



Foto: Klatr / Alamy Stock

Veröffentlichungen

des Helmholtz-Zentrums für Umweltforschung – UFZ

Vorbemerkung

Das vorliegende Veröffentlichungsverzeichnis umfasst die im Jahr 2025 erschienenen Publikationen, die von Beschäftigten des Helmholtz-Zentrums für Umweltforschung – UFZ verfasst, mitverfasst oder herausgegeben wurden.

Mit dem 01.01.2021 ist die Helmholtz-Gemeinschaft in die vierte Periode der programmorientierten Förderung (PoF IV) eingetreten. In der PoF IV ist das UFZ an einem einzigen Helmholtz-Forschungsprogramm, "Changing Earth - Sustaining our Future", des Forschungsbereichs Erde und Umwelt beteiligt, sodass alle UFZ-Publikationen diesem Programm und seinen Programm-Topics zugeordnet werden.

Redaktionsschluss für diese Publikationsliste war der 06.03.2026.

UFZ-Beschäftigte sind im Unterschied zu Externen bei allen Publikationen durch **fette Schrift** hervorgehoben.

Das anschließende Autorenregister verzeichnet die Namen der UFZ-Beschäftigten in alphabetischer Reihenfolge mit den laufenden Nummern der zugehörigen Publikationen.

Inhaltsverzeichnis

Veröffentlichungen in ISI/Scopus-gelisteten Zeitschriften/Schriftenreihen	3
Veröffentlichungen in anderen Zeitschriften	170
Bücher	179
Buchherausgaben	181
Buchkapitel	183
Berichte	200
Berichtherausgaben	208
Berichtartikel	209
Tagungsbandherausgaben	210
Tagungsbeiträge	211
Preprints	216
UFZ-Autorenregister	223

Veröffentlichungen in ISI/Scopus-gelisteten Zeitschriften/Schriftenreihen

1. Aala, S., **Kumar, R.**, Ribbe, L., **Borchardt, D.**, **Tarasova, L.** (2025):
The effects of space-time dynamics of precipitation on the shape and timing of streamflow event hydrographs
Hydrol. Process. **39** (11), e70333
[10.1002/hyp.70333](https://doi.org/10.1002/hyp.70333)
2. **Abbaszade, G.**, **Stückrath, K.**, **Müller, S.** (2025):
Bacterial colony biopsies: Spatial discrimination of heterogeneous cell types by cytometric fingerprinting
Methods Ecol. Evol. **16** (5), 972 - 987
[10.1111/2041-210x.70022](https://doi.org/10.1111/2041-210x.70022)
3. **Abdelsamad, A.M.A.**, **Saeidi, N.**, **Mackenzie, K.** (2025):
Mesoporous silica nanoparticles for rapid removal of PFOA: Impact of surface functional groups on adsorption efficiency and adsorbent regeneration
Environ. Pollut. **383**, art. 126796
[10.1016/j.envpol.2025.126796](https://doi.org/10.1016/j.envpol.2025.126796)
4. Ablormeti, F.K., Corcino Souza, P.G., Awuah, R.T., Kwoseh, C.K., Agbetiamah, D., Kena, A.W., Aidoo, K.A.S., Lutuf, H., Sossah, F.L., **Siqueira da Silva, R.**, Aidoo, O.F. (2025):
Modeling global habitat suitability of *Agroathelia rolfsii* causing *Sclerotium* wilt disease of tomato with emphasis on Ghana
Sci. Rep. **15**, art. 34034
[10.1038/s41598-025-12259-1](https://doi.org/10.1038/s41598-025-12259-1)
5. Achterberg, E.P., Rackelmann, F., Ramesh, A., O'Connor, J., Garcia-Oliva, O., Jayachandran, S., Wichert, V., Li, X., Purkiani, K., Needham, D.M., Busmann, I., Fischer, P., Kopf, A., Lemmen, C., Scharsack, J.P., **Siebert, C.**, **Kamjunke, N.**, Sokolova, I.M., Brix, H. (2025):
Identifying and addressing the components of extreme physical-oceanographical events for improved risk management in coastal systems
Front. Mar. Sci. **12**, art. 1681652
[10.3389/fmars.2025.1681652](https://doi.org/10.3389/fmars.2025.1681652)
6. Acuña Espinoza, E., Loritz, R., Kratzert, F., **Klotz, D.**, Gauch, M., Álvarez Chaves, M., Ehret, U. (2025):
Analyzing the generalization capabilities of a hybrid hydrological model for extrapolation to extreme events
Hydrol. Earth Syst. Sci. **29** (5), 1277 - 1294
[10.5194/hess-29-1277-2025](https://doi.org/10.5194/hess-29-1277-2025)

7. **Adrian, L., Sawers, R.G., Deobald, D.** (2025):
Organohalide respiration in *Dehalococcoides* strains represents a novel mode of proton motive force generation
In: Poole, R.K., Kelly, D.J. (eds.)
Advances in Microbial Physiology 86
Elsevier, London,
[10.1016/bs.ampbs.2024.12.001](https://doi.org/10.1016/bs.ampbs.2024.12.001)
8. Adul, J., **Kumar, R.**, Obringer, R. (2025):
Ensemble modeling of the climate-energy nexus for renewable energy generation across multiple US states
Environ. Res.-Infrastruct. Sustain. **5** (1), art. 015006
[10.1088/2634-4505/adad12](https://doi.org/10.1088/2634-4505/adad12)
9. **Ague, S.K.d.L., Rinke, K.**, Mama, D., **Koschorreck, M.** (2025):
Greenhouse gas emissions from a large and shallow tropical African lake: contribution of different gases and emission pathways
J. Geophys. Res.-Biogeosci. **130** (10), e2024JG008572
[10.1029/2024JG008572](https://doi.org/10.1029/2024JG008572)
10. **Agyekum, M.K.**, Pathak, D., **Kindinger, A., Kumar, R., Borchardt, D., Weitere, M., Frank, K., Schmitt-Jansen, M., Büttner, O., Brauns, M., Fink, P., Scharfenberger, U.** (2025):
A hydrologically informed agricultural land use intensity index for assessing ecological impacts on streams and rivers
Commun. Earth Environ. **6** , art. 991
[10.1038/s43247-025-02933-7](https://doi.org/10.1038/s43247-025-02933-7)
11. **Agyekum, M.K.**, Zimmer, M., MacKay, F., Weerts, S., Helfer, V. (2025):
Spatial and temporal patterns of mangrove forest canopy gaps at the southern distribution limit
Bull. Mar. Sci. **101** (3), 1161 - 1175
[10.5343/bms.2023.0165](https://doi.org/10.5343/bms.2023.0165)
12. Aidoo, O.F., Correa Amaro, G., Corcino Souza, P.G., Coutinho Picanço, M., Awuah-Mensah, K.A., **Siqueira da Silva, R.** (2025):
Climate change impacts on worldwide ecological niche and invasive potential of *Sternochetus mangiferae*
Pest Manag. Sci. **81** (2), 667 - 677
[10.1002/ps.8465](https://doi.org/10.1002/ps.8465)

13. **Albracht, C., Buscot, F., Eisenhauer, N., Gebler, A., Herrmann, S., Schmidt, A., Tarkka, M., Goldmann, K.** (2025):
Invertebrate decline has minimal effects on oak-associated microbiomes
Environ. Microbiol. **27** (2), e70051
[10.1111/1462-2920.70051](https://doi.org/10.1111/1462-2920.70051)

14. **Aldehoff, A.S., Karkossa, I., Broghammer, H., Krupka, S., Weiner, J., Goerdeler, C., Nuwayhid, R., Langer, S., Wabitsch, M., Rolle-Kampczyk, U., Klötting, N., Blüher, M., Heiker, J.T., von Bergen, M., Schubert, K.** (2025):
Advanced proteomics approaches hold potential for the risk assessment of metabolism-disrupting chemicals as omics-based NAM: A case study using the phthalate substitute DINCH
Environ. Sci. Technol. **59** (31), 16193 - 16216
[10.1021/acs.est.5c01206](https://doi.org/10.1021/acs.est.5c01206)

15. **Aldehoff, A.S., Türkowsky, D., Lohmann, P., Homsy, M.N., Rolle-Kampczyk, U., Ueberham, E., Lehmann, J., von Bergen, M., Jehmlich, N., Haange, S.-B.** (2025):
Revealing novel protein interaction partners of glyphosate in *Escherichia coli*
Environ. Int. **195**, art. 109243
[10.1016/j.envint.2024.109243](https://doi.org/10.1016/j.envint.2024.109243)

16. Allan, I.J., Miège, C., **Jahnke, A., Rojo-Nieto, E., Vorkamp, K., Kech, C., Polesello, S., Perceval, O., Booij, K., Dulio, V., Estoppey, N., Mayer, P., McHugh, B., Munschy, C., Staub, P.-F., Vrana, B.** (2025):
Passive sampling in support of biota monitoring of hydrophobic substances under the Water Framework Directive
J. Hazard. Mater. **483**, art. 136672
[10.1016/j.jhazmat.2024.136672](https://doi.org/10.1016/j.jhazmat.2024.136672)

17. Al-Mashharawi, S.K., Steele-Dunne, S.C., El Hajj, M.M., **Schrön, M., Doussan, C., Courault, D., Franz, T.E., McCabe, M.F.** (2025):
Accounting for biomass water equivalent variations in soil moisture retrievals from cosmic ray neutron sensor
Agric. Water Manage. **313**, art. 109493
[10.1016/j.agwat.2025.109493](https://doi.org/10.1016/j.agwat.2025.109493)

18. Almeida Santos, A., Vieira Araújo, F.H., Plante, N., **Siqueira da Silva, R., Pérez-Lopéz, E.** (2025):
Seasonal phenology of *Empoasca fabae* (Hemiptera: Cicadellidae) in Québec, Canada
Environ. Entomol. **54** (5), 1124 - 1135
[10.1093/ee/nvaf070](https://doi.org/10.1093/ee/nvaf070)

19. Alshetty, D., Shiva Nagendra, S.M., **Mueller, A., Schlink, U.** (2025):
Distribution of polycyclic aromatic compounds among various phases in an urban road microenvironment of a tropical megacity
Atmos. Environ-X **25** , art. 100309
[10.1016/j.aeaoa.2024.100309](https://doi.org/10.1016/j.aeaoa.2024.100309)

20. **Alvarez-Mora, I.**, Arturi, K., Béen, F., Buchinger, S., El Mais, A.E.R., Gallampos, C., Hahn, M., Hollender, J., Houtman, C., Johann, S., **Krauss, M.**, Lamoree, M., Margalef, M., **Massei, R., Brack, W., Muz, M.** (2025):
Progress, applications, and challenges in high-throughput effect-directed analysis for toxicity driver identification — is it time for HT-EDA?
Anal. Bioanal. Chem. **417** , 451 - 472
[10.1007/s00216-024-05424-4](https://doi.org/10.1007/s00216-024-05424-4)

21. **Alvarez-Mora, I., Muratuly, A.**, Johann, S., Arturi, K., Jünger, F., **Huber, C.**, Hollert, H., **Krauss, M., Brack, W., Muz, M.** (2025):
High-throughput effect-directed analysis of androgenic compounds in hospital wastewater: identifying effect drivers through non-target screening supported by toxicity prediction
Environ. Sci. Technol. **59** (45), 2413 - 2425
[10.1021/acs.est.4c09942](https://doi.org/10.1021/acs.est.4c09942)

22. Amador, C.I., Moscovitz, S.Z., Maccario, L., Herschend, J., Kramer, I.-S., Jeckel, H., Cooper, V.S., Drescher, K., **Neu, T.R.**, Burmølle, M., Røder, H.L. (2025):
Evolution of genotypic and phenotypic diversity in multispecies biofilms
npj Biofilms Microbiomes **11** , art. 118
[10.1038/s41522-025-00755-1](https://doi.org/10.1038/s41522-025-00755-1)

23. Amador, C.I., Røder, H.L., Herschend, J., **Neu, T.R.**, Burmølle, M. (2025):
Decoding the impact of interspecies interactions on biofilm matrix components
Biofilm **9** , art. 100271
[10.1016/j.bioflm.2025.100271](https://doi.org/10.1016/j.bioflm.2025.100271)

24. Amano, T., Ramírez-Castañeda, V., Berdejo-Espinola, V., Borokini, I., Chowdhury, S., **Golivets, M.**, González-Trujillo, J.D., Montaña-Centellas, F., Paudel, K., White, R.L., Veríssimo, D. (2025):
Language, economic and gender disparities widen the scientific productivity gap
PLoS Biol. **23** (9), e3003372
[10.1371/journal.pbio.3003372](https://doi.org/10.1371/journal.pbio.3003372)

25. An, L., Turner II, B.L., Liu, J., **Grimm, V.**, Zhang, Q., Wang, Z., Huang, R. (2025):
Complex adaptive systems science in the era of global sustainability crisis
Geogr. Sustain. **6** (1), art. 100250
[10.1016/j.geosus.2024.09.011](https://doi.org/10.1016/j.geosus.2024.09.011)

26. Andersen, I.M., Taylor, J.M., **Graeber, D.**, Kelly, P.T., Hoke, A.K., Robbins, C.J., Scott, J.T. (2025):
Redfield revisited: Insights into freshwater seston carbon : nitrogen : phosphorus stoichiometry
Limnol. Oceanogr. **70** (S2), S14 - S26
[10.1002/lno.70133](https://doi.org/10.1002/lno.70133)
27. **Andrzejak, M., Knight, T.M.**, Plos, C., **Korell, L.** (2025):
Changes in reproduction mediate the effects of climate change and grassland management on plant population dynamics
Ecol. Appl. **35** (1), e3063
[10.1002/eap.3063](https://doi.org/10.1002/eap.3063)
28. **Anuforo, P.C., Würz, B., Wick, L.Y., Kallies, R.** (2025):
Draft genome sequences of *Pseudomonas chengduensis* strain BW1 and *Sphingobium* sp. strain MK2 isolated from oil sands process-affected water
Microbiol. Resour. Ann. **14** (2), e00677-24
[10.1128/mra.00677-24](https://doi.org/10.1128/mra.00677-24)
29. **Armanu, E.G., Bertoldi, S.**, Chrzanowski, Ł., Volf, I., **Heipieper, H.J., Eberlein, C.** (2025):
Benefits of immobilized bacteria in bioremediation of sites contaminated with toxic organic compounds
Microorganisms **13** (1), art. 155
[10.3390/microorganisms13010155](https://doi.org/10.3390/microorganisms13010155)
30. **Armanu, E.G., Bertoldi, S., Schmidt, M., Heipieper, H.J.**, Volf, I., **Eberlein, C.** (2025):
Hydrochar from agricultural waste as a biobased support matrix enhances bacterial degradation of diethyl phthalate
Molecules **30** (5), art. 1167
[10.3390/molecules30051167](https://doi.org/10.3390/molecules30051167)
31. **Armanu, E.G.**, Secula, M.S., **Eberlein, C., Schmidt, M., Heipieper, H.J.**, Volf, I. (2025):
Hydrochars from agricultural and forestry waste designed to achieve multipurpose matrices: Modeling and optimization of process parameters
Results Eng. **28**, art. 108252
[10.1016/j.rineng.2025.108252](https://doi.org/10.1016/j.rineng.2025.108252)

32. Arnault, J., Fersch, B., **Schrön, M.**, Bogena, H.R., Hendricks Franssen, H.-J., Kunstmann, H. (2025):
Role of infiltration on land–atmosphere feedbacks in central Europe: Fully coupled WRF-Hydro simulations evaluated with cosmic-ray neutron soil moisture measurements
J. Hydrometeorol. **26** (2), 129 - 153
[10.1175/JHM-D-24-0049.1](https://doi.org/10.1175/JHM-D-24-0049.1)
33. Arturi, K., Harris, E.J., Gasser, L., **Escher, B.I., Braun, G.**, Bosshard, R., Hollender, J. (2025):
MLinvitroTox reloaded for high-throughput hazard-based prioritization of high-resolution mass spectrometry data
J. Cheminformatics **17**, art. 14
[10.1186/s13321-025-00950-4](https://doi.org/10.1186/s13321-025-00950-4)
34. Augusto, L., Borelle, R., Boča, A., Bon, L., Orazio, C., Arias-González, A., Bakker, M.R., Gartzia- Bengoetxea, N., **Auge, H.**, Bernier, F., Cantero, A., Cavender-Bares, J., Correia, A.H., De Schrijver, A., Diez-Casero, J.J., Eisenhauer, N., Fotelli, M.N., Gâteblé, G., Godbold, D.L., Gomes-Caetano-Ferreira, M., Gundale, M.J., Jactel, H., Koricheva, J., Larsson, M., Laudicina, V.A., Legout, A., Martín-García, J., Mason, W.L., Meredieu, C., Mereu, S., Montgomery, R.A., Musch, B., Muys, B., Paillassa, E., Paquette, A., Parker, J.D., Parker, W.C., Ponette, Q., Reynolds, C., Rozados-Lorenzo, M.J., Ruiz-Peinado, R., Santesteban-Insauti, X., Scherer-Lorenzen, M., Silva-Pando, F.J., Smolander, A., Spyroglou, G., Teixeira-Barcelos, E.B., Vanguelova, E.I., Verheyen, K., Vesterdal, L., Charru, M. (2025):
Widespread slow growth of acquisitive tree species
Nature **640** (8058), 395 - 401
[10.1038/s41586-025-08692-x](https://doi.org/10.1038/s41586-025-08692-x)
35. **Aurich, P.**, Spank, U., **Koschorreck, M.** (2025):
Surface CO₂ gradients challenge conventional CO₂ emission quantification in lentic water bodies under calm conditions
Biogeosciences **22** (6), 1697 - 1709
[10.5194/bg-22-1697-2025](https://doi.org/10.5194/bg-22-1697-2025)
36. **Austermeier, L.E.**, Voigt, K., **Böhme, A., Ulrich, N.** (2025):
Prediction of melting points of chemicals with a data augmentation-based neural network approach
ACS Omega **10** (23), 24296 - 24306
[10.1021/acsomega.5c00205](https://doi.org/10.1021/acsomega.5c00205)

37. **Ayuk, H.S., Arnold, S., Pierzchalski, A., Bauer, M., Stojanovska, V., Zenclussen, A.** (2025):
SARS-CoV-2 activated peripheral blood mononuclear cells (PBMCs) do not provoke adverse effects in trophoblast spheroids
Am. J. Reprod. Immunol. **93** (1), e70039
[10.1111/aji.70039](https://doi.org/10.1111/aji.70039)
38. **Ayuk, H.S., Pierzchalski, A., Tal, T., Myhre, O., Lindeman, B., Smith, N.M., Stojanovska, V., Zenclussen, A.C.** (2025):
Evaluating PFAS-Induced modulation of peripheral blood mononuclear cells (PBMCs) immune response to SARS-CoV-2 spike in COVID-19 Vaccinees
Environ. Int. **198**, art. 109409
[10.1016/j.envint.2025.109409](https://doi.org/10.1016/j.envint.2025.109409)
39. Babuchowska, K., Marks-Bielska, R., Dereszewski, W., Popławski, Ł., Fragomeni, F., Sekhniashvili, D., Žukovskis, J., **Zinke, C.** (2025):
Barriers to setting up and running companies at the local level
Int. J. Qual. Res. **19** (4), 1381 - 1392
[10.24874/IJQR19.04-23](https://doi.org/10.24874/IJQR19.04-23)
40. **Bachelder, J.,** Wigganhauser, M., Winkel, L.H.E., Frossard, E., Tolu, J. (2025):
Drastic variations in chemical composition of organic inputs: Implications for organic fertilization
Environ. Sci. Technol. **59** (31), 16463 - 16477
[10.1021/acs.est.5c06493](https://doi.org/10.1021/acs.est.5c06493)
41. Bachmann, D., Buchmann, N., Ebeling, A., **Roscher, C.** (2025):
Traits of the leaf economics spectrum do not always relate to species biomass proportions in grassland communities of varying diversity
Ecol. Evol. **15** (9), e72013
[10.1002/ece3.72013](https://doi.org/10.1002/ece3.72013)
42. Backhaus, T., Scholze, M., **Brack, W.,** Martin, O., Slunge, D., Ågerstrand, M., Kortenkamp, A., **Escher, B.** (2025):
Include a mixture allocation factor to improve EU chemical risk management. Revision of the REACH chemical regulation should enable more realistic understanding and management
Science **390** (6774), 678 - 680
[10.1126/science.aeb6374](https://doi.org/10.1126/science.aeb6374)
43. **Bade, F., Kleinstaub, S., Moeller, L.** (2025):
Foam formation during anaerobic digestion of sugar beet silage: causes and countermeasures
Bioresour. Technol. **437**, art. 133180
[10.1016/j.biortech.2025.133180](https://doi.org/10.1016/j.biortech.2025.133180)

44. Bae, E., Beil, S., **König, M.**, Stolte, S., **Escher, B.I.**, Markiewicz, M. (2025):
Assessing modes of toxic action of organic cations in in vitro cell-based bioassays: the critical role of partitioning to cells and medium components
Chem. Res. Toxicol. **38** (3), 488 - 502
[10.1021/acs.chemrestox.4c00527](https://doi.org/10.1021/acs.chemrestox.4c00527)
45. Bak, M.P., Micella, I., Jones, E.R., **Kumar, R.**, Nkwasa, A., Tang, T., van Vliet, M.T.H., Wang, M., Strokal, M. (2025):
Future river exports of nutrients, plastics, and chemicals worldwide under climate-driven hydrological changes
Environ. Res. Lett. **20** (9), art. 094033
[10.1088/1748-9326/adf860](https://doi.org/10.1088/1748-9326/adf860)
46. **Baker, D.N.**, Giraud, M., Göbbert, J.H., Scharr, H., Riedel, M., Hvannberg, E.T., Schnepf, A. (2025):
Virtual world coupling with photosynthesis evaluation for synthetic data production *in silico* *Plants* **7** (2), diaf018
[10.1093/insilicoplants/diaf018](https://doi.org/10.1093/insilicoplants/diaf018)
47. Baldivieso Soruco, C.R., Bonatti, M., De Silva, S., Ou, P., Soeun, K.O., Neth, S., Sun, V., **Rodríguez, T.**, Sean, V., Sithirith, M., Dubois, M., Sieber, S. (2025):
Disentangling community-based resource governance through knowledge systems mapping: insights from community fish refuges In rural cambodia
J. Rural Community Dev. **20** (2), 1 - 33
[10.63315/jrcd.v20i2.2595](https://doi.org/10.63315/jrcd.v20i2.2595)
48. Banjara, P., **Shrestha, P.K.**, Pandey, V.P., Sah, M., Panday, P. (2025):
Quantifying agricultural drought in the Koshi River basin through soil moisture simulation
J. Hydrol. Reg. Stud. **57** , art. 102132
[10.1016/j.ejrh.2024.102132](https://doi.org/10.1016/j.ejrh.2024.102132)
49. Barber, T.R., Ribeiro, F., Claes, S., Kawamura, Y., Yeung, J., **Byrne, H.A.**, **Weyrauch, S.**, **Reemtsma, T.**, Unice, K.M. (2025):
The identification and quantification of tire and road wear particles in Osaka Bay, Japan, by two analytical methods
Mar. Pollut. Bull. **211** , art. 117363
[10.1016/j.marpolbul.2024.117363](https://doi.org/10.1016/j.marpolbul.2024.117363)
50. Bareth, M., Koch, B.P., Zachmann, G., Kong, X., **Lechtenfeld, O.J.**, Maneth, S. (2025):
Optimizing machine learning-based prediction of terrestrial dissolved organic matter in the ocean using fluorescence and LC-FTMS data
ACS Omega **10** (27), 29497 - 29509
[10.1021/acsomega.5c02849](https://doi.org/10.1021/acsomega.5c02849)

51. Barry, K.E., Hennecke, J., Weigelt, A., Bergmann, J., Bruelheide, H., Freschet, G.T., Iversen, C.M., Kuyper, T.W., Laughlin, D.C., McCormack, M.L., Roumet, C., van der Plas, F., van Ruijven, J., Wijsmuller, R., **Auge, H.**, Eisenhauer, N., **Haase, J.**, Nock, C.A., Oelmann, Y., Wilcke, W., Mommer, L. (2025):
Rooting for function: community-level fine-root traits relate to many ecosystem functions
New Phytol. **248** (6), 3221 - 3239
[10.1111/nph.70606](https://doi.org/10.1111/nph.70606)
52. **Bartkowski, B.**, Baaken, M.C., **Nagpal, M.**, **Sodoge, J.**, **de Brito, M.M.** (2025):
What constitutes sustainable agriculture for different audiences in Germany? A comparative analysis of large-scale text data
People Nat. **7** (3), 715 - 730
[10.1002/pan3.70003](https://doi.org/10.1002/pan3.70003)
53. Bassi, L., Hennecke, J., **Albracht, C.**, Solbach, M.D., Rai, A., Alves de Souza, Y.P., Fox, A., Zeng, M., Döll, S., Doan, V.C., Richter, R., Kahl, A., von Sivers, L., Winkler, L., Eisenhauer, N., Meyer, S.T., van Dam, N.M., Weigelt, A. (2025):
Plant species richness promotes the decoupling of leaf and root defence traits while species-specific responses in physical and chemical defences are rare
New Phytol. **246** (2), 729 - 746
[10.1111/nph.20434](https://doi.org/10.1111/nph.20434)
54. Basso, S., **Musolff, A.**, de Wit, H.A. (2025):
More frequent runoff and connected sources in headwaters promote browning of northern freshwaters
Environ. Sci. Technol. Lett. **12** (1), 51 - 56
[10.1021/acs.estlett.4c00939](https://doi.org/10.1021/acs.estlett.4c00939)
55. Bastidas-Urrutia, A.M., Biber, M.F., **Böhning-Gaese, K.**, Fritz, S.A., Kreft, H., Tobias, J.A., Weigelt, P., Hof, C. (2025):
Species traits and island biogeography: Wing metrics linked to avian dispersal ability predict species occurrence on remote islands worldwide
J. Biogeogr. **52** (2), 350 - 361
[10.1111/jbi.15038](https://doi.org/10.1111/jbi.15038)
56. **Batool, M.**, **Sarrazin, F.J.**, **Kumar, R.** (2025):
Century-long reconstruction of gridded phosphorus surplus across Europe (1850–2019)
Earth Syst. Sci. Data **17** (3), 881 - 916
[10.5194/essd-17-881-2025](https://doi.org/10.5194/essd-17-881-2025)

57. **Batool, M., Sarrazin, F.J., Zhang, X., Musolff, A., Nguyen, V.T., Attinger, S., Kumar, R.** (2025):
Scenario analysis of nitrogen surplus typologies in Europe shows that a 20% fertilizer reduction may fall short of 2030 EU Green Deal goals
Nat. Food **6** (8), 787 - 798
[10.1038/s43016-025-01210-2](https://doi.org/10.1038/s43016-025-01210-2)
58. Baudraz, M.E.A., Childs, D.Z., Kelly, R., Smith, A.L., Villellas, J., **Andrzejak, M.**, Bachelot, B., Benedek, L.K., Blomberg, S.P., Bodis, J., Brearley, F.Q., Bucharova, A., Caruso, C.M., Catford, J.A., Coghill, M., Compagnoni, A., Csergő, A.M.P., Duncan, R.P., Dwyer, J., Ehrlén, J., Elderd, B.D., Finn, A., Fraser, L., García, M.B., Gremer, J.R., Groenteman, R., Hamre, L.N., Helm, A., Höhn, M., **Korell, L.**, Laanisto, L., Laine, A.-L., Lonati, M., McKeon, C.M., Molloy, A., Moore, J.L., Morales, M., Munne-Bosch, S., Münzbergová, Z., Olsen, S.L., Oprea, A., Pärtel, M., Penczykowski, R.M., Petry, W.K., Ramula, S., Rasmussen, P.U., Ravetto Enri, S., Roach, D.A., **Roeder, A., Roscher, C.**, Saastamoinen, M., Schultz, C., Sieg, R.D., Skarpaas, O., Tack, A.J.M., Töpfer, J., Vesk, P.A., Vose, G., Wandrag, E.M., Wardle, G.M., Wingler, A., Buckley, Y.M. (2025):
Several candidate size metrics explain vital rates across multiple populations throughout a widespread species' range
J. Ecol. **113** (11), 3159 - 3176
[10.1111/1365-2745.70148](https://doi.org/10.1111/1365-2745.70148)
59. Beaurepaire, A.L., Hogendoorn, K., Kleijn, D., Otis, G.W., Potts, S.G., Singer, T.L., Boff, S., Pirk, C., **Settele, J.**, Paxton, R.J., Raine, N.E., Tosi, S., Williams, N., Klein, A.-M., Le Conte, Y., Campbell, J.W., Williams, G.R., Marini, L., Brockmann, A., Sgolastra, F., Boyle, N., Neuditschko, M., Straub, L., Neumann, P., Charrière, J.-D., Albrecht, M., Dietemann, V. (2025):
Avenues towards reconciling wild and managed bee proponents
Trends Ecol. Evol. **40** (1), 7 - 10
[10.1016/j.tree.2024.11.009](https://doi.org/10.1016/j.tree.2024.11.009)
60. Becker, R., Schauburger, B., **Merz, R.**, Schulz, S., Gornott, C. (2025):
The vulnerability of winter wheat in Germany to air temperature, precipitation or compound extremes is shaped by soil-climate zones
Agric. For. Meteorol. **361**, art. 110322
[10.1016/j.agrformet.2024.110322](https://doi.org/10.1016/j.agrformet.2024.110322)

61. Becker, T., Bergmeier, E., Boch, S., Diekmann, M., Dolnik, C., **Durka, W.**, Ewald, J., Fartmann, T., Fechtler, T., Härdtle, W., Heinken, T., Hölzel, N., Horn, K., Lütt, S., Poniowski, D., Pusch, J., Remy, D., Schneider, S., Thiel, H., Tischew, S., Vynokurov, D., Willner, W. (2025):
Pflanzengesellschaft des Jahres 2026: Federgras-Steppe (*Festucion valesiaca*)
[Plant Community of the Year 2026: Feather grass steppe (*Festucion valesiaca*)]
Tuexenia **45** , 281 - 354
[10.14471/2025.45.016](https://doi.org/10.14471/2025.45.016)
62. Begill, N., Poeplau, C., Meesenburg, H., **Rebmann, C.**, Don, A. (2025):
Different amounts of added litter do not affect long-term carbon mineralization and stabilization in topsoils and subsoils
J. Plant Nutr. Soil Sci. **188** (6), 925 - 938
[10.1002/jpln.70002](https://doi.org/10.1002/jpln.70002)
63. Ben Slimene, I., Ben Moussa, A., **Geyer, S.**, Trabelsi, I. (2025):
Geospatial mapping and multivariate statistical analysis for assessing groundwater quality in Bou Arada-El Aroussa plain, Northwestern Tunisia [Mappatura e analisi statistica multivariata per valutare la qualità delle acque sotterranee nella Pianura di Bou Arada-El Aroussa, Tunisia Nord-Occidentale]
Acque Sotter. **14** (1), 65 - 83
[10.7343/as-2025-816](https://doi.org/10.7343/as-2025-816)
64. Benedix, C., Bleicher, A., Schöne, L.S., **Ayeh, D.** (2025):
Twinning green and digital futures in waste management
Environ. Sci. Policy **168** , art. 104042
[10.1016/j.envsci.2025.104042](https://doi.org/10.1016/j.envsci.2025.104042)
65. Benisch, J., Helm, B., **Krauss, M.**, **Byrne, H.A.**, Becker, S., Mayer, R.P., Rojas Gómez, K.L., **Ahlheim, J.**, **Brack, W.**, Krebs, P. (2025):
Fingerprints of micropollutants under baseflow and event discharge conditions: analysing gradients along two urban streams
Water Sci. Technol. **92** (1), 34 - 52
[10.2166/wst.2025.091](https://doi.org/10.2166/wst.2025.091)
66. Bernal, S., **Ledesma, J.L.J.**, Peñarroya, X., Jativa, C., Catalán, N., Casamayor, E.O., Lupon, A., Marcé, R., Martí, E., Triadó-Margarit, X., Rocher-Ros, G. (2025):
Expanding towards contraction: the alternation of floods and droughts as a fundamental component in river ecology
Biogeochemistry **168** , art. 11
[10.1007/s10533-024-01197-1](https://doi.org/10.1007/s10533-024-01197-1)

67. Bertram, M.G., Ågerstrand, M., Thoré, E.S.J., Allen, J., Balshine, S., Brand, J.A., Brooks, B.W., Dang, Z., Duquesne, S., Ford, A.T., Hoffmann, F., Hollert, H., Jacob, S., Kloas, W., **Klüver, N.**, Lazorchak, J., Ledesma, M., Maack, G., Macartney, E.L., Martin, J.M., Melvin, S.D., Michelangeli, M., Mohr, S., Padilla, S., Pyle, G., Saaristo, M., Sahm, R., Smit, E., Steevens, J.A., van den Berg, S., Vossen, L.E., Wlodkowic, D., Wong, B.B.M., Ziegler, M., Brodin, T. (2025):
EthoCRED: a framework to guide reporting and evaluation of the relevance and reliability of behavioural ecotoxicity studies
Biol. Rev. **100** (2), 556 - 585
[10.1111/brv.13154](https://doi.org/10.1111/brv.13154)
68. Beugnon, R., Eisenhauer, N., Lochner, A., Blechinger, M.J., Buhr, P.E., Cesarz, S., Farfan, M.A., Ferlian, O., Rompeltien Howard, A.J., Huang, Y., Kuhlmann, B.S., Lienicke, N., Mählmann, S., Nowka, A., Petereit, E., Ristok, C., **Schädler, M.**, Schmid, J.T.M., Schulte, L.J., Seim, K.-L., Thouvenot, L., Tremmel, R., Weber, L., Weitowitz, J., Yi, H., Sünemann, M. (2025):
Sustainable land use enhances soil microbial respiration responses to experimental heat stress
Glob. Change Biol. **31** (4), e70214
[10.1111/gcb.70214](https://doi.org/10.1111/gcb.70214)
69. **Bevacqua, E.**, Schleussner, C.-F., **Zscheischler, J.** (2025):
A year above 1.5 °C signals that Earth is most probably within the 20 yr period that will exceed the Paris Agreement limit
Nat. Clim. Chang. **15** (3), 262 - 265
[10.1038/s41558-025-02246-9](https://doi.org/10.1038/s41558-025-02246-9)
70. **Bhansali, I.**, Lips, S., Carmona Martinez, E., Herberth, G., Zenclussen, A., Jahnke, A., Pierzchalski, A. (2025):
Microplastic leachates may modulate immune cell responses in human peripheral blood *in vitro*
Toxicol. Lett. **411** (Supplement), S189
[10.1016/j.toxlet.2025.07.455](https://doi.org/10.1016/j.toxlet.2025.07.455)
71. Biederman, L.A., Mortensen, B., Sullivan, L., **Harpole, W.S.** (2025):
Soil microbial community structure and function in non-target and plant-influenced soils respond similarly to nitrogen enrichment
Soil Biol. Biochem. **207**, art. 109830
[10.1016/j.soilbio.2025.109830](https://doi.org/10.1016/j.soilbio.2025.109830)

72. Biella, R., Shyrokaya, A., Ionita, M., Vignola, R., Sutanto, S.J., Todorovic, A., Teutschbein, C., Cid, D., Llasat, M.C., Alencar, P., Matanó, A., Ridolfi, E., Moccia, B., Pechlivanidis, I., van Loon, A., Wendt, D.E., Stenfors, E., Russo, F., Vidal, J.-P., Barker, L., **de Brito, M.M.**, Lam, M., Bláhová, M., Trambauer, P., Hamed, R., McGrane, S.J., Ceola, S., Bakke, S.J., Krakovska, S., Nagavciuc, V., Tootoonchi, F., Di Baldassarre, G., Hauswirth, S., Maskey, S., Zubkovych, S., Wens, M., Tallaksen, L.M. (2025): The 2022 drought needs to be a turning point for European drought risk management *Nat. Hazards Earth Syst. Sci.* **25** (11), 4475 - 4501
[10.5194/nhess-25-4475-2025](https://doi.org/10.5194/nhess-25-4475-2025)
73. **Bilke, L., Fischer, T., Naumov, D., Meisel, T.** (2025): Reproducible HPC software deployments, simulations, and workflows – a case study for far-field deep geological repository assessment *Environ. Earth Sci.* **84** (17), art. 502
[10.1007/s12665-025-12501-z](https://doi.org/10.1007/s12665-025-12501-z)
74. **Bin Hudari, M.S.**, Deb, S., **Vogt, C.**, Filippini, M., **Nijenhuis, I.** (2025): Temperature-associated effects on methanogenesis and microbial reductive dechlorination of trichloroethene in contaminated aquifer sediments *Front. Water* **7**, art. 1566161
[10.3389/frwa.2025.1566161](https://doi.org/10.3389/frwa.2025.1566161)
75. **Bin Hudari, M.S., Vogt, C.** (2025): Sulfidic toluene mineralization by aquifer microbial communities at different temperatures *FEMS Microbiol. Ecol.* **101** (8), fiaf079
[10.1093/femsec/fiaf079](https://doi.org/10.1093/femsec/fiaf079)
76. Binder, M., **Händel, F.**, Engelmann, C., Steiner, B., Hasler, A.J., García Gil, A., Epting, J. (2025): The subsurface urban heat island of Basel City: more than a decade of spatiotemporal high-resolution monitoring and modelling *Philos. Trans. R. Soc. A-Math. Phys. Eng. Sci.* **383** (2308), art. 20240577
[10.1098/rsta.2024.0577](https://doi.org/10.1098/rsta.2024.0577)
77. Birkholzer, J.T., Graupner, B.J., Harrington, J., Jayne, R., **Kolditz, O.**, Kuhlman, K.L., LaForce, T., Leone, R.C., Mariner, P.E., McDermott, C., Plúa, C., Stein, E., Sugita, Y., Tamayo-Mas, E., Thatcher, K., Yoon, J.S., Bond, A.E. (2025): DECOVALEX-2023: An international collaboration for advancing the understanding and modeling of coupled thermo-hydro-mechanical-chemical (THMC) processes in geological systems *Geomech. Energy Environ.* **42**, art. 100685
[10.1016/j.gete.2025.100685](https://doi.org/10.1016/j.gete.2025.100685)

78. Bisle, E., **Haange, S.-B.**, Rojas, R., Behnke, A., Karabatsiakakis, A., Gump, A., Mack, M., Mavioglu, R.N., Lutz-Bonengel, S., **Rolle-Kampczyk, U.**, Mielcarek, A., **von Bergen, M.**, Kolassa, I-T. (2025):
Serum metabolomics in women with major depressive disorder: Associations with mitochondrial function, inflammation, and oxidative stress
Psychiatry Res. **351** , art. 116569
[10.1016/j.psychres.2025.116569](https://doi.org/10.1016/j.psychres.2025.116569)
79. Blecken, L., Böhnke, R., Götze, G., Gutsche, J.-M., **Köck, W.**, Preuß, T. (2025):
Umsetzung von verbindlichen Flächensparzielen im Rahmen der räumlichen Planung [Implementation of binding land-saving objectives within the framework of spatial planning]
Raumforsch. Raumordn. **83** (1), 31 - 45
[10.14512/rur.2568](https://doi.org/10.14512/rur.2568)
80. Blome, T., Bollig, M., **Bonn, A.**, Haefs, E., Hornidge, A.-K., Jacob, D., Potthast, T., Reichstein, M., Renner, B., Rhyner, J., Siebenhüner, B., Sonntag, S. (2025):
Advancing Sustainable Development: Sustainability Science Summit 2025
GAIA **34** (3), 185 - 187
[10.14512/gaia.34.3.100](https://doi.org/10.14512/gaia.34.3.100)
81. Bock, J., Neske, M., **Krauss, M.**, Dombrowski, A., Oehlmann, J. (2025):
Exploring urban garden ponds: considering chemical pollution as a limiting factor for insect diversity in cities
Environ. Sci. Eur. **37** , art. 78
[10.1186/s12302-025-01120-x](https://doi.org/10.1186/s12302-025-01120-x)
82. **Boehrer, B.**, **Shatwell, T.**, Damoah, A., **Aurich, P.**, **Determann, M.**, Sanful, P., **von Tümpling, W.** (2025):
Gas accumulation in Lake Bosumtwi deep waters and its potential to contribute to fish kills
Environ. Sci. Pollut. Res. **32** (9), 5371 - 5380
[10.1007/s11356-025-36032-z](https://doi.org/10.1007/s11356-025-36032-z)
83. **Boeing, F.**, **Attinger, S.**, Wagener, T., **Rakovec, O.**, **Samaniego, L.**, **Thober, S.**, **Schlaak, J.**, **Müller, S.**, Teichmann, C., **Kumar, R.**, **Marx, A.** (2025):
Spatially and seasonally differentiated response of soil moisture droughts to climate change in Germany
Earth Future **13** (5), e2024EF005495
[10.1029/2024EF005495](https://doi.org/10.1029/2024EF005495)

84. **Bohn, F.J.**, Arnold, U., Bucak, Ö., Frank, E., Schrafstetter, L., Kuse, K. (2025): CarbonFiberStone: a new carbon negative and cost-effective alternative to conventional building materials by fusing three different CDR technologies
Environ. Res. Lett. **20** (8), art. 084059
[10.1088/1748-9326/addfed](https://doi.org/10.1088/1748-9326/addfed)
85. **Bohn, F.J.**, Bastos, A., Martin, R., Rammig, A., Koh, N.S., Sioen, G.B., Buscher, B., Carver, L., DeClerck, F., Drupp, M., Fletcher, R., Forrest, M., Gasparatos, A., Godoy-Faúndez, A., Hagedorn, G., Hänsel, M.C., Hetzer, J., Hickler, T., Krug, C.B., Koot, S., Li, X., Luers, A., Matevich, S., Matthews, H.D., Meier, I.C., Migliavacca, M., Mohamed, A., O, S., Obura, D., Orlove, B., Orth, R., Pereira, L., Reichstein, M., Thakholi, L., Verburg, P.H., Yoshida, Y. (2025): Reviews and syntheses: Current perspectives on biosphere research 2024–2025 – eight findings from ecology, sociology, and economics
Biogeosciences **22** (10), 2425 - 2460
[10.5194/bg-22-2425-2025](https://doi.org/10.5194/bg-22-2425-2025)
86. **Bolay, P., Toepel, J., Bühler, B.** (2025): Biotechnological applications of cyanobacteria: *Synechocystis* and *Synechococcus* strains
In: Holtmann, D. (ed.)
Unconventional organisms in biotechnology
Adv. Biochem. Eng. Biotechnol. 192
Springer Nature, p. 155 - 191
[10.1007/10_2025_282](https://doi.org/10.1007/10_2025_282)
87. Bolster, M., Visaria, A., Matchar, D., Gerstorf, D., Schmitz, T., Labohm, B., Kohl, R., **Haase, D.**, Gellert, P., Chan, A., Herrmann, W.J. (2025): Ageing well in the urban environment: meeting the health and social needs of older adults - study protocol for a prospective, longitudinal mixed-methods study
BMC Geriatr. **25** , art. 650
[10.1186/s12877-025-06185-0](https://doi.org/10.1186/s12877-025-06185-0)
88. **Bolte, L.**, Ertmer, J., Preißler, K., Klute, L., Schaffer, S., Barth, M.B., Steinfartz, S. (2025): Unaddressed hybridization between green (*Bufo viridis*) and natterjack toads (*Epidalea calamita*) can lead to underestimation of genetic heterozygosity and inflated estimates of inbreeding
Amphib. Reptil. **46** (1), 127 - 139
[10.1163/15685381-bja10212](https://doi.org/10.1163/15685381-bja10212)
89. **Bolte, L., Henle, K., Grimm-Seyfarth, A.** (2025): Unreclaimed mines are key habitats for pioneer specialists: A case study on natterjack toad (*Epidalea calamita*) microhabitat occupancy
Glob. Ecol. Conserv. **64** , e03942
[10.1016/j.gecco.2025.e03942](https://doi.org/10.1016/j.gecco.2025.e03942)

90. **Bolte, L., Weiß, H., Henle, K.** (2025):
Übersäuerte Laichgewässer: Eine ökologische Falle für Amphibien in der
Bergbaufolgelandschaft
Natursch. Landschaftspl. **57** (03), 22 - 29
[10.1399/NuL.108585](https://doi.org/10.1399/NuL.108585)
91. **Bonato, M., Burian, A., Equihua, J.A.,** Cord, A.F., **Bartkowski, B., Strauch, M.**
(2025):
Minimizing trade-offs in agricultural landscapes through optimal spatial allocation of
agri-environmental practices
J. Environ. Manage. **393**, art. 126939
[10.1016/j.jenvman.2025.126939](https://doi.org/10.1016/j.jenvman.2025.126939)
92. Bondaruk, V.F., Xu, C., Wilfahrt, P., Yahdjian, L., Yu, Q., Borer, E.T., Jentsch, A.,
Seabloom, E.W., Smith, M.D., Alberti, J., Oñatibia, G.R., Dieguez, H., Carbognani,
M., Kübert, A., Power, S.A., Eisenhauer, N., Isbell, F., **Auge, H.**, Chandregowda, M.H.,
Churchill, A.C., Daleo, P., Forte, T., Greenville, A.C., Koerner, S.E., Ohlert, T., Peri, P.,
Petraglia, A., Salesa, D., Tedder, M., Valdecantos, A., Verhoeven, E., Wardle, G.M.,
Werner, C., Wheeler, G.R., An, H., Biancari, L., Diao, H.J., Gutknecht, J., Han, L.B., Ke,
Y.G., Liu, J.L., Maziko, Y., Tian, D.S., Tissue, D., Wanke, S., Wei, C.Z., Wilkins, K.,
Wu, H.H., Young, A.L., Zhang, F.W., Zhang, B., Zhu, J.T., Zong, N., Zuo, X.A., Hautier,
Y. (2025):
Aridity modulates grassland biomass responses to combined drought and nutrient addition
Nat. Ecol. Evol. **9** (6), 937 - 946
[10.1038/s41559-025-02705-8](https://doi.org/10.1038/s41559-025-02705-8)
93. Bonfanti, J., Langridge, J., Avadí, A., Casajus, N., Chaudhary, A., Damour, G.,
Estrada-Carmona, N., Jones, S.K., Makowski, D., Mitchell, M., **Seppelt, R.**, Beillouin, D
(2025):
Geographic, taxonomic and metric gaps in biodiversity research limit evidence-based
conservation in agricultural landscapes: an umbrella review
Ecol. Lett. **28** (10), e70220
[10.1111/ele.70220](https://doi.org/10.1111/ele.70220)
94. Bönisch, E., Eisenhauer, N., Bassi, L., **Auge, H.**, Friedlein, H., Gleixner, G.,
Weller, L.-F., Guerrero-Ramírez, N., **Reitz, T.**, Richter, R., **Schädler, M.**, Hines, J.
(2025):
Resource inequality limits transfer of nutrients from soils to plants in experimental
grassland
Oikos **2025** (10), e11103
[10.1002/oik.11103](https://doi.org/10.1002/oik.11103)

95. Boumaiza, L., Chesnaux, R., Stotler, R.L., Zahi, F., Mayer, B., Leybourne, M.I., Otero, N., Johannesson, K.H., Huneau, F., Schüth, C.K., **Knoeller, K.**, Ortega, L., Stumpp, C. (2025):
Multiple environmental tracers combined with a constrained Bayesian isotope mixing model to elucidate nitrate and sulfate contamination in a coastal groundwater system
Sci. Total Environ. **959** , art. 178265
[10.1016/j.scitotenv.2024.178265](https://doi.org/10.1016/j.scitotenv.2024.178265)
96. Bousselmi, W., Calvo, A., Gritli, T., Missbah El Idrissi, M., **Reitz, T.**, Sillo, F., Balestrini, R., Mnasri, B. (2025):
Legume choice matters: different effects on *Brassica napus* agronomic performance and root-associated bacterial communities in intercropping systems
Plant Soil **516** (2), 2139 - 2156
[10.1007/s11104-025-07855-z](https://doi.org/10.1007/s11104-025-07855-z)
97. Boussouga, Y.-A., Lin, Z.-F., **Schmidt, M.**, Schäfer, A.I. (2025):
Rethinking water resources: Harnessing The Gambia River with pressure-driven membrane processes for sustainable supply
Sci. Total Environ. **997** , art. 180158
[10.1016/j.scitotenv.2025.180158](https://doi.org/10.1016/j.scitotenv.2025.180158)
98. Boyce, J., Elles, L., **Henkel, S.**, **Kasperidus, H.D.**, Padberg, A., **Scholz, M.**, Schorn, M.E., Sickert, A., **Vieweg, M.**, Rüger, N. (2025):
Corrigendum to “How can oak regeneration in the Leipzig Floodplain Forest be effectively supported by femel plantations? Application of a demographic forest model” [Ecological Modelling 499 (2025) 110920]
Ecol. Model. **501** , art. 110989
[10.1016/j.ecolmodel.2024.110989](https://doi.org/10.1016/j.ecolmodel.2024.110989)
99. Boyce, J., Elles, L., **Henkel, S.**, **Kasperidus, H.D.**, Padberg, A., **Scholz, M.**, Schorn, M.E., Sickert, A., **Vieweg, M.**, Rüger, N. (2025):
How can oak regeneration in the Leipzig Floodplain Forest be effectively supported by femel plantations? Application of a demographic forest model
Ecol. Model. **499** , art. 110920
[10.1016/j.ecolmodel.2024.110920](https://doi.org/10.1016/j.ecolmodel.2024.110920)
100. Boyen, J., Rodríguez, M.T., Vlaeminck, B., **Fink, P.**, Hablützel, P.I., De Troch, M. (2025):
Temperature, pH, and diet interactively affect biosynthesis of polyunsaturated fatty acids in a benthic harpacticoid copepod
Limnol. Oceanogr. **70** (2), 334 - 348
[10.1002/lno.12763](https://doi.org/10.1002/lno.12763)

101. **Bozan, M., Berreth, H., Lindberg, P., Bühler, K.** (2025):
Cyanobacterial biofilms: from natural systems to applications
Trends Biotechnol. **43** (2), 318 - 332
[10.1016/j.tibtech.2024.08.005](https://doi.org/10.1016/j.tibtech.2024.08.005)
102. Bozkurt, K., Lohrmann, C., **Weinhardt, F., Hanke, D., Hopp, R., Gerlach, R., Holm, C., Class, H.** (2025):
Intermittent flow paths in biofilms grown in a microfluidic channel
Adv. Water Resour. **203**, art. 105018
[10.1016/j.advwatres.2025.105018](https://doi.org/10.1016/j.advwatres.2025.105018)
103. Brett, L., White, C.J., Domeisen, D.I.V., van den Hurk, B., Ward, P., **Zscheischler, J.** (2025):
Review article: The growth in compound weather and climate event research in the decade since SREX
Nat. Hazards Earth Syst. Sci. **25** (8), 2591 - 2611
[10.5194/nhess-25-2591-2025](https://doi.org/10.5194/nhess-25-2591-2025)
104. **Breulmann, M., Merbach, A., Bernhard, K., Moeller, L.** (2025):
Enhancing urban resilience: Stormwater retention and evapotranspiration performance of green roofs under extreme rainfall events
Land **14** (5), art. 977
[10.3390/land14050977](https://doi.org/10.3390/land14050977)
105. **Brizuela-Torres, D., Brown, C., Zinngrebe, Y.** (2025):
Is oil palm a threat or opportunity for Peru's forests?
J. Environ. Manage. **394**, art. 127462
[10.1016/j.jenvman.2025.127462](https://doi.org/10.1016/j.jenvman.2025.127462)
106. **Brizuela-Torres, D., Zinngrebe, Y., Rounswell, M., Brown, C.** (2025):
Thirty years of drivers and patterns of land-use change across the Amazon biome
Ambio **54** (12), 2135 - 2153
[10.1007/s13280-025-02199-5](https://doi.org/10.1007/s13280-025-02199-5)
107. **Brock, J., Guelbenzu-Gonzalo, M., Lozano, J.M., Lane, E.A., Gunn, M., Brady, S., Thulke, H.-H., Graham, D.A.** (2025):
Prevalence and risk factors for Bovine Herpesvirus Type 1 (BoHV-1) infection in Irish beef herds: results from the National Beef Welfare Scheme 2023
Irish Vet. J. **78**, art. 22
[10.1186/s13620-025-00308-0](https://doi.org/10.1186/s13620-025-00308-0)

108. Brown, L.E., Maavara, T., Zhang, J., Chen, X., Klaar, M., Moshe, F.O., Ben-Zur, E., Stein, S., Grayson, R., Carter, L., Levintal, E., Gal, G., Ziv, P., Tarkowski, F., **Pathak, D.**, Khamis, K., Barquín, J., Philamore, H., Gradilla-Hernández, M.S., Arnon, S. (2025): Integrating sensor data and machine learning to advance the science and management of river carbon emissions
Crit. Rev. Environ. Sci. Technol. **55** (9), 600 - 623
[10.1080/10643389.2024.2429912](https://doi.org/10.1080/10643389.2024.2429912)
109. Buchner, D., Sinclair, J.S., Ayasse, M., Beermann, A.J., Buse, J., Dziock, F., Enss, J., **Frenzel, M.**, Hörren, T., Li, Y., Monaghan, M.T., Morkel, C., Müller, J., Pauls, S.U., Richter, R., Scharnweber, T., Sorg, M., Stoll, S., Twietmeyer, S., Weisser, W.W., Wiggering, B., Wilmking, M., Zotz, G., Gessner, M.O., Haase, P., Leese, F. (2025): Upscaling biodiversity monitoring: Metabarcoding estimates 31,846 insect species from Malaise traps across Germany
Mol. Ecol. Resour. **25** (1), e14023
[10.1111/1755-0998.14023](https://doi.org/10.1111/1755-0998.14023)
110. **Buchwald, J., Grunwald, N., Wang, W.,** Shao, H., **Kolditz, O.,** Nagel, T. (2025): The relevance of two-phase flow in the thermo-hydro-mechanical evolution of clay formations exposed to high temperatures by heat-emitting waste
Appl. Therm. Eng. **264** , art. 125379
[10.1016/j.applthermaleng.2024.125379](https://doi.org/10.1016/j.applthermaleng.2024.125379)
111. **Bumberger, J., Abbrent, M.,** Brinckmann, N., **Hemmen, J.,** Kunkel, R., Lorenz, C., **Lünenschloß, P., Palm, B., Schnicke, T., Schulz, C.,** van der Schaaf, H., **Schäfer, D.** (2025): Digital ecosystem for FAIR time series data management in environmental system science
SoftwareX **29** , art. 102038
[10.1016/j.softx.2025.102038](https://doi.org/10.1016/j.softx.2025.102038)
112. Burdon, F.J., Sargac, J., Ramberg, E., Popuescu, C., Darmina, N., Bradu, C., Forio, M.A.E., **Witing, F.,** Kupilas, B., Lau, D.C.P., **Volk, M.,** Rîşnoveanu, G., Goethals, P., Friberg, N., Johnson, R.K., McKie, B.G. (2025): Fatty acid biomarkers reveal landscape influences on linkages between aquatic and terrestrial food webs
Ecol. Monogr. **95** (3), e70025
[10.1002/ecm.70025](https://doi.org/10.1002/ecm.70025)
113. Bussmann, I., Brix, H., Flöser, G., Fischer, P.F., Jayachandran, S., Achterberg, E.P., Carstens, K., Kirstein, I.V., Sanders, T., Raupers, B., Voynova, Y., **Kamjunke, N.** (2025): Winter flood significantly changes salinity and nutrient export from land to sea
Front. Mar. Sci. **12** , art. 1599007
[10.3389/fmars.2025.1599007](https://doi.org/10.3389/fmars.2025.1599007)

114. **Büttner, L.**, Kress, N. (2025):
(Re)defining the smart city at national level? Coexisting narratives of urban sustainability governance in Germany
Urban Stud. **62** (8), 1584 - 1600
[10.1177/00420980241295935](https://doi.org/10.1177/00420980241295935)
115. Cabral, A., Bender, I.M.A., Couvreur, T.L.P., Faurby, S., Hagen, O., Hensen, I., **Kühn, I.**, Rodrigues-Vaz, C., Sauquet, H., Tobias, J.A., Onstein, R.E. (2025):
Seed-dispersing vertebrates and the abiotic environment shape functional diversity of the pantropical Annonaceae
New Phytol. **246** (5), 2263 - 2279
[10.1111/nph.70113](https://doi.org/10.1111/nph.70113)
116. Cache, T., **Bevacqua, E.**, **Zscheischler, J.**, Müller-Thomy, H., Peleg, N. (2025):
Simulating realistic design storms: a joint return period approach
Water Resour. Res. **61** (7), e2024WR039739
[10.1029/2024WR039739](https://doi.org/10.1029/2024WR039739)
117. Cai, R., **Lechtenfeld, O.J.**, Yan, Z., Yi, Y., Chen, X., Zheng, Q., Koch, B.P., Jiao, N., He, D. (2025):
Constraining biorecalcitrance of carboxyl-rich alicyclic molecules in the ocean
Sci. Adv. **11** (28), eadw1148
[10.1126/sciadv.adw1148](https://doi.org/10.1126/sciadv.adw1148)
118. Cai, W., Wang, F., Zhang, Y., Jiang, J., Wang, Q., **Shao, H.**, **Kolditz, O.**, **Nagel, T.**, **Chen, C.** (2025):
Field test and long-term heat extraction performance evaluation of the deep U-type borehole heat exchanger system
Renew. Energy **240**, art. 122171
[10.1016/j.renene.2024.122171](https://doi.org/10.1016/j.renene.2024.122171)
119. Calenborn, L., Heimermann, P., Klinke, L., Lang, M., **Pohle, M.**, **Schütze, C.**, Sonnemann, T., Vornweg, L., **Werban, U.** (2025):
A sample case for geophysical meta data archival: the subsurface remains of a *villa rustica* in the Roman Rhineland
ArcheoSciences-Rev. Archeom. **49** (1), 597 - 600
[10.4000/14nuj](https://doi.org/10.4000/14nuj)
120. Callaway, R.M., Pal, R.W., Schaar, A., Hooper, D., **Auge, H.**, Hensen, I., Kožić, K., Lekberg, Y., Nagy, D.U., Selke, J.A., Thoma, A.E., Träger, S., Rosche, C. (2025):
Exotic invasive plant species increase primary productivity, but not in their native ranges
Ecol. Lett. **28** (8), e70187
[10.1111/ele.70187](https://doi.org/10.1111/ele.70187)

121. Calvo, A., **Reitz, T.**, Sillo, F., Montesano, V., Cañizares, E., Zampieri, E., Mahmoudi, R., Gohari, G., Chitarra, W., Giovannini, L., Conte, A., Mennone, C., Petruzzelli, G., Centritto, M., González-Guzmán, M., Arbona, V., Fotopoulos, V., Balestrini, R. (2025): Interactions between an arbuscular mycorrhizal inoculum and the root-associated microbiome in shaping the response of *Capsicum annuum* “Locale di Senise” to different irrigation levels
Plant Soil **508** (1-2), 361 - 383
[10.1007/s11104-024-06806-4](https://doi.org/10.1007/s11104-024-06806-4)
122. Camin, F., Besic, D., Brewer, P.J., Allison, C.E., Coplen, T.B., Dunn, P.J.H., **Gehre, M.**, Gröning, M., Meijer, H.A.J., Hélie, J.-F., Iacumin, P., Kraft, R., Krajnc, B., **Kümmel, S.**, Lee, S., Meija, J., Mester, Z., Mohn, J., Moossen, H., Qi, H., Skrzypek, G., Sperlich, P., Viallon, J., Wassenaar, L.I., Wielgosz, R.I. (2025): Stable isotope reference materials and scale definitions — Outcomes of the 2024 IAEA experts meeting
Rapid Commun. Mass Spectrom. **39** (14), e10018
[10.1002/rcm.10018](https://doi.org/10.1002/rcm.10018)
123. Canelles, Q., Pérez-Granados, C., Roura-Pascual, N., Biancolini, D., Blackburn, T.M., Capinha, C., Dawson, W., Essl, F., **Golivets, M.**, Guénard, B., Hui, C., Jeschke, J.M., **Kühn, I.**, Latombe, G., Lenzner, B., Seebens, H., Leung, B. (2025): Policies slow biological invasions in Europe, but legacies still matter
One Earth **8** (9), art. 101355
[10.1016/j.oneear.2025.101355](https://doi.org/10.1016/j.oneear.2025.101355)
124. **Canzler, S.**, Lehmann, J., **Schor, J.**, **Busch, W.**, Iacono, G., **Hackermüller, J.** (2025): From toxicogenomics data to cumulative assessment groups: A framework for chemical grouping
Toxicol. Lett. **411** (Supplement), S55 - S56
[10.1016/j.toxlet.2025.07.163](https://doi.org/10.1016/j.toxlet.2025.07.163)
125. **Canzler, S.**, **Schubert, K.**, **Rolle-Kampczyk, U.E.**, **Wang, Z.**, **Schreiber, S.**, Seitz, H., Mockly, S., Kamp, H., Haake, V., Huisinga, M., **von Bergen, M.**, Buesen, R., **Hackermüller, J.** (2025): Evaluating the performance of multi-omics integration: a thyroid toxicity case study
Arch. Toxicol. **99** (1), 309 - 332
[10.1007/s00204-024-03876-2](https://doi.org/10.1007/s00204-024-03876-2)
126. Cao, Y., **Scharfenberger, U.**, **Shatwell, T.**, Adrian, R., Agasild, H., Angeler, D.G., Beklioğlu, M., Çakıroğlu, A.I., Hejzlar, J., Papastergiadou, E., Šorf, M., Stefanidis, K., Søndergaard, M., Zingel, P., Jeppesen, E. (2025): Predicting daily net ecosystem production in shallow lakes from dissolved oxygen saturation levels: a pan-European mesocosm experiment and modelling approach
Hydrobiologia **852** (2), 471 - 487
[10.1007/s10750-024-05714-z](https://doi.org/10.1007/s10750-024-05714-z)

127. Cardador, M., Krüger, S., **Dunker, S.**, Brakel, A., Hoffmann, R., Nagel, R., Jakob, T., Goss, R., Sasso, S. (2025):
Extensive remodeling during *Chlamydomonas reinhardtii* zygote maturation leads to highly resistant zygospores
Plant J. **121** (3), e17238
[10.1111/tpj.17238](https://doi.org/10.1111/tpj.17238)
128. Cardoso, M.R., Bastidas-Urrutia, A.M., Frac, K., Hof, C., Kreft, H., Albrecht, J., **Böhning-Gaese, K.**, Fritz, S.A. (2025):
Urbanisation is related to the prevalence of threatened species on islands across the globe
Glob. Ecol. Biogeogr. **34** (12), e70125
[10.1111/geb.70125](https://doi.org/10.1111/geb.70125)
129. Carney Almroth, B., **Carmona, E.**, Chukwuone, N., Dey, T., Slunge, D., Backhaus, T., Karlsson, T. (2025):
Addressing the toxic chemicals problem in plastics recycling
Cambridge Prisms-Plastics **3**, e3
[10.1017/plc.2025.1](https://doi.org/10.1017/plc.2025.1)
130. **Castañeda-Monsalve, V., Haange, S.-B., Fröhlich, L.-F., Fu, Q., Rolle-Kampczyk, U., von Bergen, M., Jehmlich, N.** (2025):
Food colorant brilliant blue causes persistent functional and structural changes in an *in vitro* simplified microbiota model system
ISME Commun. **5** (1), ycaf050
[10.1093/ismeco/ycaf050](https://doi.org/10.1093/ismeco/ycaf050)
131. Castelli, G., Howard, B.C., Adyel, T.M., AghaKouchak, A., Agramont, A., Aksoy, H., Alba, R., Alencar, P.H.L., Amanambu, A.C., Aslam, H., Bharati, L., Bos-Burgering, L., Bresci, E., Caramiello, C., Cavus, Y., Chaudhari, K., Chiffard, P., Choukrani, H., Chun, K.P., Cudennec, C., Cumiskey, L., Dakhlaoui, H., De Angeli, S., **de Brito, M.M.**, Dembelé, M., Dewals, B., Elshenawy, A., Gwapedza, D., Hall, C., Hermans, L., Höllermann, B., Jaramillo, F., **Jomaa, S.**, Koren, G., Krause, S., Lahsaini, M., Mahé, G., Manfreda, S., Maynard, C., Merheb, M., Nóbrega, R.L.B., Ocampo-Melgar, A., Olusola, A., Orduna Alegria, M.E., Owusu, A., Pacetti, T., Panchanathan, A., Panda, S., Piemontese, L., Pradhananga, D., Shobha Ajin, R., Rusca, M., Scolobig, A., Thaler, T., Tran, B.N., Triml-Chiffard, D., Vanelli, F.M., Villani, L., Walker, D.W., Zarif, F., Buytaert, W., Ceperley, N. (2025):
Co-creating water knowledge: a community perspective
Hydrol. Sci. J.-J. Sci. Hydrol. **70** (16), 2899 - 2919
[10.1080/02626667.2025.2571065](https://doi.org/10.1080/02626667.2025.2571065)

132. Cavalcante, L., Walker, D.W., Kchouk, S., Ribeiro Neto, G., **Nunes Carvalho, T.M., de Brito, M.M.**, Pot, W., Dewulf, A., van Oel, P. (2025):
From insufficient rainfall to livelihoods: understanding the cascade of drought impacts and policy implications
Nat. Hazards Earth Syst. Sci. **25** (6), 1993 - 2005
[10.5194/nhess-25-1993-2025](https://doi.org/10.5194/nhess-25-1993-2025)
133. Celardo, I., Aschner, M., Ashton, R.S., Carstens, K.E., Cediél-Ulloa, A., Cöllen, E., Crofton, K.M., Debad, S.J., Dreser, N., Fitzpatrick, S., Fritsche, E., **Gutsfeld, S.**, Hardy, B., Hartung, T., Hessel, E., Heusinkveld, H., Hogberg, H.T., Hsieh, J.-H., Kanda, Y., Knight, G.T., Knudsen, T., Koch, K., Kuchovska, E., Mangas, I., Marty, M.S., Melching-Kollmuss, S., Müller, I., Müller, P., Myhre, O., Paparella, M., Pitzer, E., Bal-Price, A., Sachana, M., Schlüppmann, K., Shafer, T.J., Schäfer, J., Smirnova, L., **Tal, T.**, Tanaskov, Y., Tangianu, S., Testa, G., Ückert, A.-K., Whelan, M., Leist, M. (2025):
Developmental neurotoxicity (DNT): A call for implementation of new approach methodologies for regulatory purposes: Summary of the 5th International Conference on DNT Testing
ALTEX-Altern. Anim. Exp. **42** (2), 323 - 349
[10.14573/altex.2503191](https://doi.org/10.14573/altex.2503191)
134. Ceseracciu, C., Nguyen, T.P.L., Deriu, R., Branca, G., Vozinaki, A.-E.K., Karatzas, G.P., Mellah, T., Akrouf, H., Yıldırım, Ü., Kurt, M.A., **Jomaa, S.**, Carletti, A., Roggero, P.P. (2025):
Innovative governance for sustainable management of Mediterranean coastal aquifers: Evidence from Sustain-COAST living labs
Environ. Sci. Policy **167**, art. 104038
[10.1016/j.envsci.2025.104038](https://doi.org/10.1016/j.envsci.2025.104038)
135. Chaudhry, A.A., Zhang, C., Ernst, O.G., **Nagel, T.** (2025):
Effects of inhomogeneity and statistical and material anisotropy on THM simulations
Reliab. Eng. Syst. Saf. **260**, art. 110921
[10.1016/j.ress.2025.110921](https://doi.org/10.1016/j.ress.2025.110921)
136. Chen, C., Witte, F., Taherdangkoo, R., Cai, W., Chen, S., Kong, Y., **Shao, H.**, Hofmann, M., **Nagel, T.** (2025):
Thermal performance response and heat load redistribution mechanism of a deep U-type borehole heat exchanger in heating systems
Appl. Energy **382**, art. 125216
[10.1016/j.apenergy.2024.125216](https://doi.org/10.1016/j.apenergy.2024.125216)

137. **Chen, C., Zhou, H., Nagel, T., Renaud, T., Naumov, D., Kolditz, O., Shao, H.** (2025): Parametric analysis on the transient two-phase wellbore model applied to the Yangyi high-temperature geothermal field
Geotherm. Energy **13** , art. 1
[10.1186/s40517-024-00322-5](https://doi.org/10.1186/s40517-024-00322-5)
138. Chen, D., Fan, L., **Peng, J.**, De Lannoy, G., Wigneron, J.-P., Frappart, F., Tao, S., Wang, M., Li, X., Liu, X., Wang, H., Yuan, Q., Chen, X., Xiao, Y., Ciais, P. (2025): A global long-term (2002–2022) C-band vegetation optical depth record retrieved after merging AMSR-E, AMSR2 and WindSat
Int. J. Appl. Earth Obs. Geoinf. **145** , art. 104961
[10.1016/j.jag.2025.104961](https://doi.org/10.1016/j.jag.2025.104961)
139. Chen, J., **Chen, B.**, Wesseling, S., Bouwmeester, H., Rietjens, I.M.C.M., Kramer, N.I. (2025): A population physiologically based kinetic and toxicodynamic model for acute diazinon exposure
Ecotox. Environ. Safe. **294** , art. 118083
[10.1016/j.ecoenv.2025.118083](https://doi.org/10.1016/j.ecoenv.2025.118083)
140. Chen, M., Kuzyakov, Y., Zhou, J., Zamanian, K., Wang, S., Abdalla, K., Wang, J., Li, X., Li, H., Zhang, H., Mganga, K.Z., Li, Y., **Blagodatskaya, E.** (2025): High soil salinity reduces straw decomposition but primes soil organic carbon loss
Soil Biol. Biochem. **207** , art. 109835
[10.1016/j.soilbio.2025.109835](https://doi.org/10.1016/j.soilbio.2025.109835)
141. Chen, M., **Wang, G.**, Ma, B., Musat, N., Shen, P., Wei, Z., Wei, Y., **Richnow, H.H.**, Zhang, J. (2025): Deciphering the transfer of antimicrobial resistance genes in the urban water cycle from water source to reuse: a review
Environ. Int. **201** , art. 109584
[10.1016/j.envint.2025.109584](https://doi.org/10.1016/j.envint.2025.109584)

142. Chen, Q., Blowes, S.A., **Harpole, W.S.**, Ladouceur, E., Borer, E.T., MacDougall, A., Martina, J.P., Bakker, J.D., Tognetti, P.M., Seabloom, E.W., Daleo, P., Power, S., **Roscher, C.**, Adler, P., Donohue, I., Wheeler, G., Stevens, C., Veen, G.F.C., Risch, A.C., Wardle, G.M., Hautier, Y., Estrada, C., Hersch-Green, E., Niu, Y., Peri, P.L., **Eskelinen, A.**, Gruner, D.S., Venterink, H.O., D'Antonio, C., Cadotte, M.W., Haider, S., Eisenhauer, N., Catford, J., Virtanen, R., Morgan, J.W., Tedder, M., Bagchi, S., Caldeira, M.C., Bugalho, M., Knops, J.M.H., Dickman, C.R., Hagenah, N., Jentsch, A., Macek, P., Osborne, B.B., Laanisto, L., Chase, J.M. (2025):
Local nutrient addition drives plant biodiversity losses but not biotic homogenization in global grasslands
Nat. Commun. **16** , art. 4903
[10.1038/s41467-025-59166-7](https://doi.org/10.1038/s41467-025-59166-7)
143. **Chen, W., Korth, B.**, Fu, D., **Worrich, A.** (2025):
Integrating experiments and machine learning modeling to assess the half-wave potentials of antibiotics
ACS ES&T Eng. **5** (12), 3400 - 3412
[10.1021/acsestengg.5c00569](https://doi.org/10.1021/acsestengg.5c00569)
144. **Chowdhury, S.**, Bowler, D.E., Boutaud, E., Bleich, O., Bruelheide, H., Buse, J., **Engel, T.**, Gebert, J., **Grescho, V.**, Gürlich, S., Harry, I., Jansen, F., Klenke, R.A., van Klink, R., Winter, M., **Bonn, A.** (2025):
Widespread decline of ground beetles in Germany
Divers. Distrib. **31** (11), e70112
[10.1111/ddi.70112](https://doi.org/10.1111/ddi.70112)
145. **Chowdhury, S.**, Cardillo, M., Chapman, J.W., Green, D., Norris, D.R., Riva, F., Zalucki, M.P., Fuller, R.A. (2025):
Protected area coverage of the full annual cycle of migratory butterflies
Conserv. Biol. **39** (3), e14423
[10.1111/cobi.14423](https://doi.org/10.1111/cobi.14423)
146. Ciesielski, T., Titov, I., Semerád, J., Parus, A., Marecik, R., Cłapa, T., Narożna, D., Trzebny, A., Kloziński, A., Siwińska-Ciesielczyk, K., Dabert, M., Tánicsics, A., **Heipieper, H.J.**, Cajthaml, T., Woźniak-Karczewska, M., Chrzanowski, Ł. (2025):
Moisture governs diesel biodegradation in sand soil – polystyrene microplastic have a negligible impact
J. Hazard. Mater. **498** , art. 139907
[10.1016/j.jhazmat.2025.139907](https://doi.org/10.1016/j.jhazmat.2025.139907)

147. Cini, E., Potts, S.G., Senapathi, D., Albrecht, M., Arafah, K., Askri, D., Bocquet, M., Bulet, P., Costa, C., De la Rúa, P., Klein, A.-M., Knauer, A., Mänd, M., Raimets, R., **Schweiger, O.**, Stout, J.C., Breeze, T.D. (2025): Beekeepers' perceptions toward a new omics tool for monitoring bee health in Europe
PLOS One **20** (1), e0316609
[10.1371/journal.pone.0316609](https://doi.org/10.1371/journal.pone.0316609)
148. Cipriotti, P.A., Oñatibia, G.R., **Pütz, S.**, Aguiar, M.R., **Wiegand, T.** (2025): Degradation of dryland vegetation patchiness through the lens of power-law relationships
Land Degrad. Dev. **36** (8), 2831 - 2843
[10.1002/ldr.5534](https://doi.org/10.1002/ldr.5534)
149. **Coder, L., Musolff, A., Kronsbein, P.M., Knöller, K., Büttner, O., Rinke, K., Tittel, J.** (2025): How anthropogenic modification of riverscapes reduces the resilience of floodplain water bodies to drought
Ecol. Eng. **219**, art. 107686
[10.1016/j.ecoleng.2025.107686](https://doi.org/10.1016/j.ecoleng.2025.107686)
150. Correa Amaro, G., Aidoo, O.F., Corcino Souza, P.G., Nyarko, E.S., Adjei-Mantey, K., Agboyi, L.K., Anderson, R.S., Sossah, F.L., Coutinho Picanço, M., **Siqueira da Silva, R.** (2025): Global climate suitability and economic risks of the fall armyworm *Spodoptera frugiperda* to key crops in Brazil
Food Energy Secur. **14** (5), e70120
[10.1002/fes3.70120](https://doi.org/10.1002/fes3.70120)
151. Costa Maciel, J., **Siqueira da Silva, R.**, Sousa Duque, T., Martins dos Santos, M., Barbosa dos Santos, J., Shabani, F. (2025): The distribution potential of *Melinis minutiflora* (molasses grass) under current and future climates for Europe using CLIMEX tool
Theor. Appl. Climatol. **156** (6), art. 353
[10.1007/s00704-025-05589-7](https://doi.org/10.1007/s00704-025-05589-7)
152. **Cuesta-Valero, F.J., García-García, A., Beltrami, H., García-Pereira, F., González-Rouco, J.F., Peng, J.** (2025): Robust increase in observed heat storage by the global subsurface
Sci. Adv. **11** (46), eadw9958
[10.1126/sciadv.adw9958](https://doi.org/10.1126/sciadv.adw9958)

153. Cui, J., Xu, Y., Wang, M., Liu, A., Sun, L., Feng, X., Yang, Q., **Wang, S.**, Liu, H., Lv, Y., Liu, K. (2025):
Nonlinear threshold responses and spatial heterogeneity of soil organic carbon under contrasting pedoclimatic regimes
Front. Plant Sci. **16**, art. 1703663
[10.3389/fpls.2025.1703663](https://doi.org/10.3389/fpls.2025.1703663)
154. Dade, M.C., **Bonn, A.**, Eigenbrod, F., **Felipe-Lucia, M.R.**, Fisher, B., Goldstein, B., Holland, R.A., Hopping, K.A., Lavorell, S., le Polain de Waroux, Y., MacDonald, G.K., Mandle, L., Metzger, J.P., Pascual, U., Rieb, J.T., Vallet, A., Wells, G.J., Ziter, C.D., Bennett, E.M., Robinson, B.E. (2025):
Landscapes - a lens for assessing sustainability
Landsc. Ecol. **40** (2), art. 28
[10.1007/s10980-024-02007-7](https://doi.org/10.1007/s10980-024-02007-7)
155. **Dahley, C.**, **Goss, K.-U.**, **Ebert, A.** (2025):
Predicting Caco-2/MDCK intrinsic membrane permeability from HDM-PAMPA-Derived hexadecane/water partition coefficients
Eur. J. Pharm. Sci. **214**, art. 107280
[10.1016/j.ejps.2025.107280](https://doi.org/10.1016/j.ejps.2025.107280)
156. Dai, X., Wang, L., Hu, Z., Wang, R., Niu, Z., Zhang, Y., **Strauch, M.**, **Volk, M.** (2025):
Runoff and sediment dynamics induced by the “grain for green” programme: A case study in the Three Gorges Reservoir Area, China
Prog. Phys. Geogr. **49** (6), 773 - 796
[10.1177/03091333251378932](https://doi.org/10.1177/03091333251378932)
157. D'Amato, D., Rantala, S., Korhonen-Kurki, K., **Locher-Krause, K.E.**, Stoffers, T., Falco, E., Włodarczyk-Marciniak, R., Adamescu, M., Krauze, K., Orta-Ortiz, M.S., Dianoux, R., Grainger, M.J., Young, J. (2025):
A social network analysis of the European science–policy–society interface on biodiversity
Conserv. Biol. **39** (5), e70023
[10.1111/cobi.70023](https://doi.org/10.1111/cobi.70023)
158. Damoah, A., Snanful, P., Davidson, T.A., Trolle, D., Nielsen, A., Shatwell, T., **Boehrer, B.** (2025):
Changes in the stratification and mixing patterns of Lake Bosumtwi due to climate warming
Fundam. Appl. Limnol. **197** (4), 293 - 310
[10.1127/fal/1527](https://doi.org/10.1127/fal/1527)

159. **Dann, J.P.**, Ankley, G.T., Blackwell, B.R., **Escher, B.I.**, **Jahnke, A.**, Jensen, K.M., Jenson, C., **Krauss, M.**, **Scholz, S.**, Wernicke, T., **Brack, W.** (2025):
Current emission vs. legacy organic pollutants: Assessing the extent to which the eco-exposome of caged fish reflects external exposure
Environ. Pollut. **383** , art. 126808
[10.1016/j.envpol.2025.126808](https://doi.org/10.1016/j.envpol.2025.126808)
160. das Graças do Carmo, D., de Freitas, D.R., da Silva Sant'Ana, L.C., dos Reis, D.M., Queiroz Lopes, P.H., Lima, E., **Siqueira da Silva, R.**, Coutinho Picanço, M. (2025):
Global risks of *Ctenarytaina eucalypti* to eucalyptus plantations under climate change: broad or limited?
Theor. Appl. Climatol. **156** (6), art. 321
[10.1007/s00704-025-05551-7](https://doi.org/10.1007/s00704-025-05551-7)
161. Davison, A.M., de Koning, K., **Taubert, F.**, Schakel, J.-K. (2025):
Automated near real-time monitoring in ecology: Status quo and ways forward
Ecol. Inform. **89** , art. 103157
[10.1016/j.ecoinf.2025.103157](https://doi.org/10.1016/j.ecoinf.2025.103157)
162. de Aguiar Coelho, F., Barroso Farnezi, P.K., Carvalho de Sá, M., Viotti, J., Moreira, V.H., Caldeira Batista, A., Sampaio Mendes, D., Alves de Araújo, T., Lourenço de Assis Júnior, S., Alvarenga Soares, M., Coutinho Picanço, M., **Siqueira da Silva, R.** (2025):
Risk analysis for invasion of the forest pest *Paropsisterna bimaculata* present in Tasmania to areas of the world
Neotrop. Entomol. **54** , art. 10
[10.1007/s13744-024-01228-4](https://doi.org/10.1007/s13744-024-01228-4)
163. de Azevedo, M.L., Sperandio, H.V., de Aguiar Coelho, F., **Siqueira da Silva, R.**, Gorgens, E.B. (2025):
Assessment climate change impacts on a key species of campos rupestres: can we preserve the everlasting flower?
Plant Ecol. **226** (6), 587 - 601
[10.1007/s11258-025-01514-0](https://doi.org/10.1007/s11258-025-01514-0)
164. **de Brito, M.M.**, **Sodoge, J.**, Kreibich, H., **Kuhlicke, C.** (2025):
Comprehensive assessment of flood socioeconomic impacts through text-mining
Water Resour. Res. **61** (1), e2024WR037813
[10.1029/2024wr037813](https://doi.org/10.1029/2024wr037813)

165. de Brito Reis, K.H., Picanço, M.M., Pereira, P.S., Dias de Souza, H.D., Carvalho de Sá, M., Correa Amaro, G., **Siqueira da Silva, R.**, Coutinho Picanço, M., Almeida Sarmiento, R. (2025):
Mapping the potential distribution and invasion risk of watermelon mosaic virus using MaxEnt ecological niche modeling
Theor. Appl. Climatol. **156** (1), art. 45
[10.1007/s00704-024-05289-8](https://doi.org/10.1007/s00704-024-05289-8)
166. de Eyto, E., Smyth, R.L., Pilla, R.M., Laas, A., Shahabinia, A.R., Baldocchi, A., Desai, A.R., Lupon, A., Lohila, A., Obrador, B., Denfeld, B.A., Carey, C.C., Bastviken, D., Reed, D., Rudberg, D., Rõõm, E.-I., Clayer, F., Weyhenmeyer, G.A., Chmiel, H.E., Grossart, H.P., de Wit, H.A., Kokorite, I., Thrane, J.-E., Bikše, J., Rusak, J.A., Fernández, J.E., Bezerra-Neto, J.F., Brighenti, L.S., **Koschorreck, M.**, Aurela, M., Barros, N., **Keller, P.S.**, Woolway, R.I., Marcé, R., McClure, R.P., Haverinen, S., Juutinen, S., Kosten, S., Sadro, S., Doyle, B.C. (2025):
Diel variation in CO₂ flux is substantial in many lakes
Limnol. Oceanogr. Lett. **10** (6), 977 - 989
[10.1002/lol2.70066](https://doi.org/10.1002/lol2.70066)
167. **De Giorgi, F., Durka, W.**, Huang, Y., Schmid, B., **Roscher, C.** (2025):
Selection and phenotypic plasticity shape plant performance in a grassland biodiversity experiment
Ecol. Evol. **15** (3), e71117
[10.1002/ece3.71117](https://doi.org/10.1002/ece3.71117)
168. **de Rooij, G.H.** (2025):
Fitting the junction model and other parameterizations for the unsaturated soil hydraulic conductivity curve: KRIAfitter version 1.0
Geosci. Model Dev. **18** (19), 6921 - 6950
[10.5194/gmd-18-6921-2025](https://doi.org/10.5194/gmd-18-6921-2025)
169. Deepthi, Y., Passi, A., Chithra, V.S., **Schlink, U.**, Shiva Nagendra, S.M. (2025):
Personal exposure of women to PM_{2.5}-bound PAH derivatives from cooking emissions in varied rural kitchen setups
Build. Environ. **267, Part A**, art. 112189
[10.1016/j.buildenv.2024.112189](https://doi.org/10.1016/j.buildenv.2024.112189)
170. **Dega, S.**, Ferreira, M., Veldmann, M., Stirnberg, R., **Paasche, H.**, Stöcker, T. (2025):
Myelin water fraction mapping with joint inversion of gradient-echo and spin-echo data
Magn. Reson. Mat. Phys. Biol. Med. **38** (2), 317 - 332
[10.1007/s10334-025-01235-5](https://doi.org/10.1007/s10334-025-01235-5)

171. Degano, M.E., Kwaslema, S.A., **Böhning-Gaese, K.**, Hemp, A., Lehnen, L., Martín-López, B., Pearson, J., Mueller, T., Arbieu, U. (2025):
Perceptions of nature and its non-material contributions to people at Mount Kilimanjaro
People Nat. **7** (7), 1697 - 1712
[10.1002/pan3.70079](https://doi.org/10.1002/pan3.70079)
172. **Dehghani, F., Reitz, T., Schlüter, S., Kästner, M., Blagodatskaya, E.** (2025):
Decoupling of heat and CO₂ release during decomposition of cellulose and its building blocks in soil
Soil Biol. Biochem. **206**, art. 109801
[10.1016/j.soilbio.2025.109801](https://doi.org/10.1016/j.soilbio.2025.109801)
173. **Dehghani, F., Wagner, R.C., Blagodatskaya, E., Schlüter, S., Reitz, T.** (2025):
Microbial decomposition of cellulose in soil: insights into the roles of resource stoichiometry and water content
Eur. J. Soil Sci. **76** (5), e70184
[10.1111/ejss.70184](https://doi.org/10.1111/ejss.70184)
174. Demers, J., Fagan, W.F., Potluri, S., **Calabrese, J.M.** (2025):
Testing-isolation interventions will likely be insufficient to contain future novel disease outbreaks
Math. Biosci. **384**, art. 109432
[10.1016/j.mbs.2025.109432](https://doi.org/10.1016/j.mbs.2025.109432)
175. d'Espiney, A., Pinheiro, H.M., Marques, I.P., Kretzschmar, J., Cyffka, K.-F., **Thrän, D.** (2025):
Correction to: Biomass and bioenergy potentials of bioresidues: assessment methodology development and application to the region of Lafões
Biomass Convers. Biorefinery **15** (1), 375 - 379
[10.1007/s13399-024-05673-4](https://doi.org/10.1007/s13399-024-05673-4)
176. d'Espiney, A., Pinheiro, H.M., Marques, I.P., Kretzschmar, J., Cyffka, K.-F., **Thrän, D.** (2025):
Biomass and bioenergy potentials of bioresidues: assessment methodology development and application to the region of Lafões
Biomass Convers. Biorefinery **15** (1), 359 - 373
[10.1007/s13399-023-05168-8](https://doi.org/10.1007/s13399-023-05168-8)
177. **Dev Roy, S.**, Kuffer, M., Wang, J. (2025):
Exploring the influence of building morphology on surface temperatures: A multi-city analysis in Europe
Build. Environ. **282**, art. 113274
[10.1016/j.buildenv.2025.113274](https://doi.org/10.1016/j.buildenv.2025.113274)

178. **Devò, P., Basso, S., Marani, M.** (2025):
Estimation of extreme floods using a statistical and conceptual mModel of the hydrological response
Water Resour. Res. **61** (5), e2024WR038667
[10.1029/2024WR038667](https://doi.org/10.1029/2024WR038667)
179. Deylaghian, S., Nikooee, E., Seyedi, A., Niazi, A., **Nagel, T.** (2025):
Non-ureolytic EICP as a novel enzymatic pathway for sustainable soil stabilization
Sci. Rep. **15**, art. 28150
[10.1038/s41598-025-13525-y](https://doi.org/10.1038/s41598-025-13525-y)
180. Dhollander, S., Chinchio, E., Tampach, S., Mur, L., Méroc, E., **Thulke, H.-H.,**
Abrahantes Cortiñas, J., Boklund, A.E., Stahl, K., Stegemann, J.A. (2025):
A systematic literature review of variables associated with the occurrence of African swine fever
Viruses **17** (2), art. 192
[10.3390/v17020192](https://doi.org/10.3390/v17020192)
181. Dieskau, J., Hensen, I., Eisenhauer, N., Lachmuth, S., **Auge, H.** (2025):
Plant–soil feedback in European grasslands is phylogenetically independent but affected by plant species origin
J. Plant Ecol. **18** (3), rtaf021
[10.1093/jpe/rtaf021](https://doi.org/10.1093/jpe/rtaf021)
182. Dietrich, P., Elias, M., **Dietrich, P., Harpole, S., Roscher, C., Bumberger, J.** (2025):
Advancing plant biomass measurements: Integrating smartphone-based 3D scanning techniques for enhanced ecosystem monitoring
Methods Ecol. Evol. **16** (8), 1723 - 1732
[10.1111/2041-210X.70084](https://doi.org/10.1111/2041-210X.70084)
183. Dittmann, D., Görnt, A., Bauer, A., **Seelig, A.H.,** Thalmann, M., Helmecke, M.,
Thor, J.H., Reynaert, E., Wilkes, T., Silalahi, J., Junghans, V., **Zahn, D.,**
Klitzke, S., Peters, A., Pfeifer, S., Förster, C., Hübner, N., Jekel, M., **Reemtsma, T.,**
Haberkamp, J., Ruhl, A.S. (2025):
Point-of-Use Re-Use (PU2R): a viable approach for sustainable decentralized reuse of water from single-household cesspits for agricultural irrigation
Water Reuse **15** (3), 458 - 474
[10.2166/wrd.2025.029](https://doi.org/10.2166/wrd.2025.029)
184. Dittmar, S., **Weyrauch, S., Reemtsma, T.,** Eisentraut, P., Altmann, K., Ruhl, A.S., Jekel, M. (2025):
Settling velocities of tire and road wear particles: Analyzing finely graded density fractions of samples from a road simulator and a highway tunnel
Environ. Sci. Technol. **59** (26), 13434 - 13446
[10.1021/acs.est.5c04165](https://doi.org/10.1021/acs.est.5c04165)

185. Domergue, L., **Georgi, A., Schierz, A.**, Cimetière, N., Giraudet, S., Hauchard, D. (2025):
Regeneration of the adsorption properties of hydrophobic zeolites for the treatment of diclofenac by Fenton-like process: Influence of Fenton catalyst location
Sep. Purif. Technol. **379, Part 2** , art. 134557
[10.1016/j.seppur.2025.134557](https://doi.org/10.1016/j.seppur.2025.134557)
186. **Dong, X.**, Ye, Y., Su, D., Yi, S., Yang, R., **Haase, D., Lausch, A.** (2025):
Adaptive ranking of specific tree species for targeted green infrastructure intervention in response to urban hazards
Urban For. Urban Green. **107** , art. 128776
[10.1016/j.ufug.2025.128776](https://doi.org/10.1016/j.ufug.2025.128776)
187. **Dong, X.**, Ye, Y., Zhou, T., **Haase, D., Lausch, A.** (2025):
Effectiveness trade-off between green spaces and built-up land: evaluating trade-off efficiency and its drivers in an expanding city
Remote Sens. **17** (2), art. 212
[10.3390/rs17020212](https://doi.org/10.3390/rs17020212)
188. **Dordoni, M., Musolff, A., Knöller, K., Coder, L., Krauss, M., Rosenlöcher, Y., Büttner, O., Tittel, J.** (2025):
Lake-groundwater biogeochemical interactions in a river-delimited system: the Groundwater and Lakes Urban Observatory (GLUO)
Int. Rev. Hydrobiol. **110** (2), 123 - 150
[10.1002/iroh.70025](https://doi.org/10.1002/iroh.70025)
189. Dornelas, M., Antão, L.H., Bates, A.E., Brambilla, V., Chase, J.M., Chow, C.F.Y., **Klotz, S.**, Knockaert, C., et al. (2025):
BioTIME 2.0: Expanding and improving a database of biodiversity time series
Glob. Ecol. Biogeogr. **34** (5), e70003
[10.1111/geb.70003](https://doi.org/10.1111/geb.70003)
190. **dos Santos Argolo, A., Escher, B., Braun, G., König, M., Vanden Heuvel, J.P., Maia Bila, D.** (2025):
Dissolved and particulate micropollutant mixtures in surface waters: *in vitro* and chemical assessment in Rio de Janeiro versus global trends
Environ. Int. **201** , art. 109578
[10.1016/j.envint.2025.109578](https://doi.org/10.1016/j.envint.2025.109578)
191. dos Santos Souza, E.J., Fomba, K.W., Gómez Maqueo Anaya, S., Schepanski, K., Freire, S.M., **Materić, D., Reemtsma, T.**, Herrmann, H. (2025):
Particle-bound mercury in Saharan dust-loaded particulate matter in Cabo Verde
J. Hazard. Mater. **487** , art. 137053
[10.1016/j.jhazmat.2024.137053](https://doi.org/10.1016/j.jhazmat.2024.137053)

192. **Drechsler, M.** (2025):
Learning coalition formation under an agglomeration bonus: Impacts on coalition structure and scheme performance
Resour. Energy Econ. **83** , art. 101512
[10.1016/j.reseneeco.2025.101512](https://doi.org/10.1016/j.reseneeco.2025.101512)
193. **Drechsler, M., Sturm, A.** (2025):
Model-based analysis of the agglomeration bonus for the conservation of twelve meadow bird species in an agricultural landscape
Ecol. Econ. **236** , art. 108663
[10.1016/j.ecolecon.2025.108663](https://doi.org/10.1016/j.ecolecon.2025.108663)
194. Du, C., **Kong, X.**, Sun, D., Xue, Y., Zhang, C., Xue, B. (2025):
Stable isotope characteristics and recharge mechanisms of river, lake and groundwater by precipitation in the Hulun Lake basin
Hydrol. Process. **39** (6), e70174
[10.1002/hyp.70174](https://doi.org/10.1002/hyp.70174)
195. **Dudášová, S., Berger, U., Seiwert, B., Reemtsma, T., Lechtenfeld, O.J., Fu, Q.** (2025):
Retrospective identification of novel and legacy per- and polyfluoroalkyl substances in German archived fish livers using a combined high-resolution mass spectrometry approach
Environ. Sci. Technol. **59** (25), 12865 - 12877
[10.1021/acs.est.4c11600](https://doi.org/10.1021/acs.est.4c11600)
196. Długoński, A., Wellmann, T., **Haase, D.**, Marchewka, J. (2025):
Urban forests of ageing societies. Example of Łódź and Warsaw (Central Poland)
Econ. Environ. **92** (1), art. 1042
[10.34659/eis.2025.92.1.1042](https://doi.org/10.34659/eis.2025.92.1.1042)
197. **Duncan, A.H.**, Armenta, N., Garcia-Ledezma, F., Heck, C.A., Hafner, S., Planer-Friedrich, B., Fendorf, S. (2025):
Alternate wetting and drying limits arsenic in porewater and rice grain under severe future climate conditions
Environ. Sci. Technol. **59** (42), 22796 - 22806
[10.1021/acs.est.5c03552](https://doi.org/10.1021/acs.est.5c03552)
198. Duong, T.D., Tran, V.N., **Nguyen, V.T.** (2025):
Evaluating rainfall-runoff generation mechanisms of deep learning models using a process-based rainfall-runoff model
Water Resour. Manag. **39** , 5845 - 5859
[10.1007/s11269-025-04231-5](https://doi.org/10.1007/s11269-025-04231-5)

199. **Durka, W., Michalski, S.G., Höfner, J.,** Bucharova, A., Kolář, F., Müller, C.M., Oberprieler, C., Šemberová, K., Bauer, M., **Bernt, M.,** Bleeker, W., Brändel, S., Bucher, S.F., Eibes, P.M., Ewald, M., Goldberg, R., Grant, K., Haider, S., **Harpke, A.,** Haun, F., Kaufmann, R., **Korell, L.,** Kunzmann, D., Lauterbach, D., Leib, S., Lenzewski, N., Loritz, H., **Madaj, A.-M.,** Mainz, A.K., Meinecke, P., Mertens, H., Meyer, H.M., **Musche, M.,** Ristow, M., Rosche, C., **Roscher, C.,** Rutte, D., Schacherer, A., Schmidt, W., Schmoltdt, J., Schneider, S., Schwarz, J.-H., Skowronek, S., Socher, S.A., Stanik, N., Twerski, A., Weiß, K., Weiß, M., Wille, A., Zehm, A., Zidorn, C., the RegioDiv Consortium, (2025):
Assessment of genetic diversity among seed transfer zones for multiple grassland plant species across Germany
Basic Appl. Ecol. **84**, 50 - 60
[10.1016/j.baae.2024.11.004](https://doi.org/10.1016/j.baae.2024.11.004)
200. **Dushkova, D.,** Ignatieva, M. (2025):
Research in urban ecology: application into landscape design and green infrastructure
Land **14** (12), art. 2297
[10.3390/land14122297](https://doi.org/10.3390/land14122297)
201. **Dushkova, D.,** Ignatieva, M. (2025):
Rethinking urban lawns: Rewilding and other nature-based alternatives
Diversity **17** (12), art. 830
[10.3390/d17120830](https://doi.org/10.3390/d17120830)
202. **Dushkova, D.,** Ignatieva, M., Müller, N., Nilon, C. (2025):
Editorial for special issue on “Integrating Biodiversity in the Urban Planning and Design Processes”
Urban Ecosyst. **28** (2), art. 84
[10.1007/s11252-025-01697-4](https://doi.org/10.1007/s11252-025-01697-4)
203. **Dushkova, D., Ivlieva, O., Pouget, C., Vandewalle, M.** (2025):
How to support communities in the long-term sustainability transition: The tailored empowerment program
Blue-Green Syst. **7** (1), 210 - 237
[10.2166/bgs.2025.049](https://doi.org/10.2166/bgs.2025.049)
204. **Dushkova, D.,** Konstantinova, A., Matasov, V., Gaeva, D., Dovletyarova, E., Taherkhani, M. (2025):
Urban ecosystem services research in Russia: Systematic review on the state of the art
Ambio **54** (4), 577 - 602
[10.1007/s13280-024-02102-8](https://doi.org/10.1007/s13280-024-02102-8)

205. **Dushkova, D.**, Taherkhani, M., Konstantinova, A., Vasenev, V.I., Dovletyarova, E. (2025):
Understanding factors affecting the use of urban parks through the lens of ecosystem services and blue-green infrastructure: the case of Gorky Park, Moscow, Russia
Land **14** (2), art. 237
[10.3390/land14020237](https://doi.org/10.3390/land14020237)
206. **Ebeling, P., Musolff, A., Kumar, R.,** Hartmann, A., **Fleckenstein, J.H.** (2025):
Groundwater head responses to droughts across Germany
Hydrol. Earth Syst. Sci. **29** (13), 2925 - 2952
[10.5194/hess-29-2925-2025](https://doi.org/10.5194/hess-29-2925-2025)
207. **Ebert, A., Goss, K.-U.** (2025):
Blood-brain barrier permeability revisited: Predicting intrinsic passive BBB permeability using the solubility-diffusion model
Eur. J. Pharm. Sci. **215** , art. 107354
[10.1016/j.ejps.2025.107354](https://doi.org/10.1016/j.ejps.2025.107354)
208. Edebali, Ö., **Goellner, A.,** Stiborek, M., Šimek, Z., **Muz, M.,** Vrana, B., Melymuk, L. (2025):
Characterizing the distribution of aromatic amines between polyester, cotton, and wool textiles and air
Environ. Sci.-Process Impacts **27** (4), 1054 - 1062
[10.1039/d5em00015g](https://doi.org/10.1039/d5em00015g)
209. **Egli, L.,** Schmidt, J., **Grunow, H., Palliwoda, J.,** Zech, M., Rommel, M., Paech, N. (2025):
Potenziale Solidarischer Landwirtschaft in Deutschland – Einstellung und Umstellungsinteresse von Landwirt:innen [The potential of community-supported agriculture in Germany - attitudes and interest in conversion among farmers]
Ber. Landwirtsch. **103** (2), art. 531
[10.12767/buel.v103i2.531](https://doi.org/10.12767/buel.v103i2.531)
210. Řehoř, J., Brázdil, R., **Rakovec, O.,** Hanel, M., Fischer, M., **Kumar, R.,** Balek, J., Poděbradská, M., Moravec, V., **Samaniego, L.,** Markonis, Y., Trnka, M. (2025):
Global catalog of soil moisture droughts over the past four decades
Hydrol. Earth Syst. Sci. **29** (14), 3341 - 3358
[10.5194/hess-29-3341-2025](https://doi.org/10.5194/hess-29-3341-2025)
211. Eichentopf, I.-M., **Kasperidus, H.D.** (2025):
Integrating technology assessment, systems thinking, and system dynamics in sustainability education: The need for an interdisciplinary framework
International Journal of Educational Research Open **9** , art. 100535
[10.1016/j.ijedro.2025.100535](https://doi.org/10.1016/j.ijedro.2025.100535)

212. **Ejikegwu, C.P.**, Nwakaeze, E.A., Aniekwe, C.W., Onu, E.N., Adikwu, M.U., Eze, P.M. (2025):
Investigating the factors influencing antibiotic use practices and their association with antimicrobial resistance awareness among poultry farmers in Enugu State, Nigeria
Antimicrob. Steward. Healthc. Epidemiol. **5** (1), e236
[10.1017/ash.2025.10141](https://doi.org/10.1017/ash.2025.10141)
213. **Eliza, M.**, Hipperson, H., Harrison, E. (2025):
Different transcriptional impacts of prophage within the rhizobia-legume symbiosis
Symbiosis **96**, 249 - 260
[10.1007/s13199-025-01075-w](https://doi.org/10.1007/s13199-025-01075-w)
214. Ellerbrok, J.S., Spatz, T., Braunisch, V., Strohbach, M., **Haase, D.**, Januschke, K., **Kaiser, J.**, Mehring, M., Wellmann, T., Bruelheide, H., Marx, J.M., **Settele, J.**, Wirth, C., Farwig, N. (2025):
Most habitat's and species' assessments in German Natura 2000 sites reflect unfavourable conservation states
Basic Appl. Ecol. **87**, 128 - 143
[10.1016/j.baae.2025.07.001](https://doi.org/10.1016/j.baae.2025.07.001)
215. Elles, L., Boyce, J., **Henkel, S.**, **Kasperidus, H.D.**, **Scholz, M.**, Schorn, M.E., **Vieweg, M.**, Wirth, C., Rüger, N. (2025):
Supporting conservation planning in a national biodiversity hotspot – Projecting species composition across a groundwater level gradient using a demographic forest model
Ecol. Model. **501**, art. 110996
[10.1016/j.ecolmodel.2024.110996](https://doi.org/10.1016/j.ecolmodel.2024.110996)
216. **Engel, T.**, Brenz, Y., Geyer, H., Holetschek, J., **Bonn, A.**, Balthasar, C., Bengsch, S., Clément, R., Dietzen, C., Dlouhy, C., Esser, J., Griesbaum, F., Haag, M., Hauth, K.-S., Jarling, R., Kahlert, S., Kenntner, N., Krebühl, J., Kruse, J., Lischke, S., Lücking, R., Mayer, L.R., Müller, S., Nogatz, T., Ochse, M, Ogan, S., von Oheimb, K.C.M., von Oheimb, P.V., Öhm, G.A.A, Pacher, K., Pfeifer, M.A., Reutter, C., Röller, O., Rothe, F., Scheydt, N.S.N., Schmitz, O., Schmitz, D., Wagner, N., Willerding, U., Willigalla, C., Zimmermann, S.-S., **Friedrichs-Manthey, M.** (2025):
Quality-checked species records from the German citizen science platform ArtenFinder
Biodiver. Data J. **13**, e150687
[10.3897/BDJ.13.e150687](https://doi.org/10.3897/BDJ.13.e150687)

217. Erkul, E., Wunderlich, T., Wilken, D., Igel, J., Müller-Petke, M., Ronczka, M., Splith, T., Fischer, S., Gilfedder, B., Böttcher, M.E., Ehlert von Ahn, C.M., **Gründling, R.**, Hoffmann, J., Jenner, A.-K., Lu, E., Oehler, T., Rabbel, W., Sander, L., Scholten, J., **Schulze, F.**, Moosdorf, N., **Mallast, U.** (2025): Submarine groundwater discharge into a temperate tidal basin: Mapping and characterization by a multi-method and multi-scale approach
Estuar. Coast. Shelf Sci. **324** , art. 109445
[10.1016/j.ecss.2025.109445](https://doi.org/10.1016/j.ecss.2025.109445)
218. **Esmaeili Aliabadi, D.**, Pinto, T. (2025): Modeling electricity markets and energy systems: challenges and opportunities
Energies **18** (2), art. 245
[10.3390/en18020245](https://doi.org/10.3390/en18020245)
219. **Esmaeili Aliabadi, D.**, van Woensel, T. (2025): How customer choice shapes network structure over multiple periods
Comput. Ind. Eng. **210** , art. 111524
[10.1016/j.cie.2025.111524](https://doi.org/10.1016/j.cie.2025.111524)
220. **Esmaeili Aliabadi, D.**, Wulff, N., **Lehneis, R.**, **Sadr, M.**, **Gutjahr, S.**, Reutter, F.J., **Jordan, M.**, **Lehmann, P.**, **Thrän, D.** (2025): Climate change may impair the transition to a fully renewable energy system: A German case study
Energy **338** , art. 138684
[10.1016/j.energy.2025.138684](https://doi.org/10.1016/j.energy.2025.138684)
221. Espinoza Miranda, S.S., **Abbaszade, G.**, Hess, W.R., Drescher, K., Saliba, A.-E., Ziburdaev, V., Chai, L., Dreisewerd, K., Grüneberger, A., Westendorf, C., **Müller, S.**, Mascher, T. (2025): Resolving spatiotemporal dynamics in bacterial multicellular populations: approaches and challenges
Microbiol. Mol. Biol. Rev. **89** (1), e00138-24
[10.1128/mnbr.00138-24](https://doi.org/10.1128/mnbr.00138-24)
222. **Eze, O.O.**, Ogbuene, E.B., Ibraheem, O., **Küster, E.**, **Eze, T.C.** (2025): Novel flame retardants (NFRs) in e-waste: Environmental burdens, health implications, and recommendations for safety assessment and sustainable management
Toxicology **511** , art. 154037
[10.1016/j.tox.2024.154037](https://doi.org/10.1016/j.tox.2024.154037)
223. **Eziuzor, S.C.**, **Vogt, C.** (2025): Exploring benzene mineralization by anaerobes isolated from denitrifying enrichment cultures
Anaerobe **94** , art. 102979
[10.1016/j.anaerobe.2025.102979](https://doi.org/10.1016/j.anaerobe.2025.102979)

224. Fagan, W.F., Krishnan, A.G., Fleming, C.H., Ferreira, E., Chia, S., Swain, A., **Calabrese, J.M.**, Abrahms, B., et al. (2025):
Wild canids and felids differ in their reliance on reused travel routeways
Proc. Natl. Acad. Sci. U.S.A. **122** (40), e2401042122
[10.1073/pnas.2401042122](https://doi.org/10.1073/pnas.2401042122)
225. **Faikhaw, O.**, Wagner, S., **Rynek, R.**, **Peng, G.**, **Materić, D.**, **Reemtsma, T.** (2025):
Oxidative purification of microplastics in riverine suspended matter samples — Solving the challenge of plant debris removal for microplastic analysis
Sci. Total Environ. **958**, art. 177876
[10.1016/j.scitotenv.2024.177876](https://doi.org/10.1016/j.scitotenv.2024.177876)
226. **Fan, D.**, Zhao, T., Jiang, X., **García-García, A.**, **Schmidt, T.**, **Samaniego, L.**, **Attinger, S.**, Wu, H., Jiang, Y., Shi, J., Fan, L., Tang, B.-H., Wagner, W., Dorigo, W., Gruber, A., Mattia, F., Balenzano, A., Brocca, L., Jagdhuber, T., Wigneron, J.-P., Montzka, C., **Peng, J.** (2025):
A Sentinel-1 SAR-based global 1-km resolution soil moisture data product: Algorithm and preliminary assessment
Remote Sens. Environ. **318**, art. 114579
[10.1016/j.rse.2024.114579](https://doi.org/10.1016/j.rse.2024.114579)
227. **Fang, B.**, **Rakovec, O.**, **Bevacqua, E.**, **Kumar, R.**, **Zscheischler, J.** (2025):
Diverging trends in large floods across Europe in a warming climate
Commun. Earth Environ. **6**, art. 717
[10.1038/s43247-025-02734-y](https://doi.org/10.1038/s43247-025-02734-y)
228. Farani, M.R., Esmailidehkordi, M., Alipourfard, I., **Azarian, M.**, Huh, Y.S. (2025):
Utilizing armchair and zigzag nanoribbons for improved detection of SO₂ toxicity with graphene biosensor
Physica B **696**, art. 416599
[10.1016/j.physb.2024.416599](https://doi.org/10.1016/j.physb.2024.416599)
229. **Fárez-Román, V.**, **Rinke, K.**, **Dunker, S.**, Hampel, H., **Shatwell, T.** (2025):
Phytoplankton community dynamics and vertical nutrient fluxes during the winter-to-spring transition in a monomictic temperate reservoir
Limnol. Oceanogr. **70** (6), 1678 - 1692
[10.1002/lno.70082](https://doi.org/10.1002/lno.70082)
230. Farwig, N., Sprenger, P.P., Baur, B., **Böhning-Gaese, K.**, Brandt, A., Eisenhauer, N., Ellwanger, G., Hochkirch, A., Karamanlidis, A.A., Mehring, M., Pusch, M., Rehling, F., Sommerwerk, N., Spatz, T., Svenning, J.-C., Tischew, S., Tockner, K., Tschardtke, T., Vadrot, A.B.M., Taffner, J., Fürst, C., Jähnig, S.C., Mosbrugger, V. (2025):
Identifying major factors for success and failure of conservation programs in Europe
Environ. Manage. **75** (3), 425 - 443
[10.1007/s00267-024-02086-x](https://doi.org/10.1007/s00267-024-02086-x)

231. **Fatima, E., Kumar, R., Altdorff, D., Attinger, S., Boeing, F., Oswald, S., Rakovec, O., Samaniego, L., Zacharias, S., Schrön, M.** (2025):
On the value of mobile cosmic-ray neutron measurements for spatio-temporal soil moisture simulations
Front. Water **7**, art. 1630051
[10.3389/frwa.2025.1630051](https://doi.org/10.3389/frwa.2025.1630051)
232. Fay, P.A., Gherardi, L.A., Yahdjian, L., Adler, P.B., Bakker, J.D., Bharath, S., Borer, E.T., **Harpole, W.S.**, Hersch-Green, E., Huxman, T.E., MacDougall, A.S., Risch, A.C., Seabloom, E.W., Bagchi, S., Barrio, I.C., Biederman, L., Buckley, Y.M., Bugalho, M.N., Caldeira, M.C., Catford, J.A., Chen, Q., Cleland, E.E., Collins, S.L., Daleo, P., Dickman, C.R., Donohue, I., DuPre, M.E., Eisenhauer, N., **Eskelinen, A.**, Hagenah, N., Hautier, Y., Heckman, R.W., Jónsdóttir, I.S., Knops, J.M.H., Laungani, R., Martina, J.P., McCulley, R.L., Morgan, J.W., Venterink, H.O., Peri, P.L., Power, S.A., Raynaud, X., Ren, Z., **Roscher, C.**, Smith, M.D., Spohn, M., Stevens, C.J., Tedder, M.J., Virtanen, R., Wardle, G.M., Wheeler, G.R. (2025):
Interactions among nutrients govern the global grassland biomass–precipitation relationship
Proc. Natl. Acad. Sci. U.S.A. **122** (15), e2410748122
[10.1073/pnas.2410748122](https://doi.org/10.1073/pnas.2410748122)
233. Fazi, S., Cabassi, J., Capecchiacci, F., Callieri, C., Eckert, E.M., Amalfitano, S., Pasquini, L., Bertoni, R., Vaselli, O., Tassi, F., **Boehrer, B.**, Pecoraino, G., Vigni, L.L., Calabrese, S., Procesi, M., Paternoster, M. (2025):
Biogeochemical and microbial community structure differently modulates CO₂ and CH₄ dynamics in two adjacent volcanic lakes (Monticchio, Italy)
Ecohydrol. Hydrobiol. **25** (1), 42 - 53
[10.1016/j.ecohyd.2023.12.003](https://doi.org/10.1016/j.ecohyd.2023.12.003)
234. Felgentreff, E.S., Jakubka, D., **Knapp, S.**, Bernhardt-Römermann, M. (2025):
The garden biodiversity index: A self-assessment tool for evaluating biodiversity in private gardens
Landsc. Urban Plan. **263**, art. 105449
[10.1016/j.landurbplan.2025.105449](https://doi.org/10.1016/j.landurbplan.2025.105449)
235. **Feng, S., Zscheischler, J., Hao, Z., Bevacqua, E.** (2025):
Growing human-induced climate change fingerprint in regional weekly fire extremes
npj Clim. Atmos. Sci. **8**, art. 152
[10.1038/s41612-025-01021-z](https://doi.org/10.1038/s41612-025-01021-z)

236. Feord, H.K., Keuschnig, C., Trivedi, C.B., Mourot, R., Zervas, A., Turpin-Jelfs, T., Tranter, M., Anesio, A.M., **Adrian, L.**, Benning, L.G. (2025):
Linking extreme light availability to cellular function in algae-dominated communities on the Greenland Ice Sheet
FEMS Microbiol. Ecol. **101** (10), fiaf095
[10.1093/femsec/fiaf095](https://doi.org/10.1093/femsec/fiaf095)
237. **Fernandes, T., Shatwell, T., Schultze, M., Mi, C., Determann, M., Rinke, K.** (2025):
How efficient are pre-dams as reservoir guardians? A long-term study on nutrient retention
Water Res. **272**, art. 122864
[10.1016/j.watres.2024.122864](https://doi.org/10.1016/j.watres.2024.122864)
238. **Fernández, I., Bouffaud, M.-L.**, Martínez-Medina, A., **Schädler, M., Tarkka, M.T.**, Weinhold, A., van Dam, N.M., **Herrmann, S., Buscot, F.** (2025):
Endogenous rhythmic growth and ectomycorrhizal fungi modulate priming of antiherbivore defences in subsequently formed new leaves of oak trees
J. Ecol. **113** (6), 1382 - 1396
[10.1111/1365-2745.14263](https://doi.org/10.1111/1365-2745.14263)
239. Ferreira, V., Buras, A., **Zscheischler, J.**, Mahecha, M., Rammig, A. (2025):
Evaluating the 2023–2024 record dry-hot conditions in the Amazon in the context of historical compound extremes
Environ. Res. Lett. **20** (8), art. 084055
[10.1088/1748-9326/ade550](https://doi.org/10.1088/1748-9326/ade550)
240. Filatova, T., Verbeek, L., Warnier, M., Ghorbani, A., Nikolic, I., **Grimm, V.**, Berger, U., Barton, M., Bell, A., Lee, A., Magliocca, N.R., Wagenblast, T. (2025):
AGENTBLOCKS: a community platform for sharing, comparing, and improving reusable building blocks for (agent-based) models
JASSS **28** (4), art. 11
[10.18564/jasss.5831](https://doi.org/10.18564/jasss.5831)
241. Fischer, P., Brix, H., Bussmann, I., **Ködel, U.**, Schwanitz, M., **Schütze, C.**, Anselm, N., Brand, M., Jenniges, Y., Kasten, S., Kraberg, A., Lienkämper, M., Spotowitz, L., **Weber, U.**, Wiltshire, K., **Dietrich, P.** (2025):
Effects of marine heat waves and cold spells on a polar shallow water ecosystem
Sci. Rep. **15**, art. 20168
[10.1038/s41598-025-05621-w](https://doi.org/10.1038/s41598-025-05621-w)

242. Fischer, R., Anders, T., Bugmann, H., Djahangard, M., **Dreßler, G.**, Hetzer, J., Hickler, T., Hiltner, U., Marano, G., Sperlich, D., Yousefpour, R., Knapp, N. (2025): Perspectives for forest modeling to improve the representation of drought-related tree mortality [Perspektiven der Waldmodellierung zur verbesserten Darstellung der trockenheitsbedingten Baumsterblichkeit]
J. Kult. **77** (2), 50 - 69
[10.5073/JfK.2025.02.05](https://doi.org/10.5073/JfK.2025.02.05)
243. Fischer, R., **Drechsler, M.**, **Frank, K.**, Berger, U., Wang, H.-H., Semeniuk, C., Armstrong, A., **Grimm, V.** (2025): Ecological modelling for transformation
Ecol. Model. **507** , art. 111119
[10.1016/j.ecolmodel.2025.111119](https://doi.org/10.1016/j.ecolmodel.2025.111119)
244. Flemming, H.-C., van Hullebusch, E.D., Little, B.J., **Neu, T.R.**, Nielsen, P.H., Seviour, T., Stoodley, P., Wingender, J., Wuertz, S. (2025): Microbial extracellular polymeric substances in the environment, technology and medicine
Nat. Rev. Microbiol. **23** , 87 - 105
[10.1038/s41579-024-01098-y](https://doi.org/10.1038/s41579-024-01098-y)
245. Fonseca de Souza, L., Gutierrez Oliveira, H., Pellegrinetti, T.A., Mendes, L.W., **Bonatelli, M.L.**, Romão Dumaresq, A.S., Sinatti, V.V.C., Pinheiro, J.B., Azevedo, J.L., Quecine, M.C. (2025): Co-inoculation with *Bacillus thuringiensis* RZ2MS9 and rhizobia improves the soybean development and modulates soil functional diversity
FEMS Microbiol. Ecol. **101** (2), fiae013
[10.1093/femsec/fiae013](https://doi.org/10.1093/femsec/fiae013)
246. Fonvielle, J., Thuile Bistarelli, L., Tao, Y., Woodhouse, J.N., **Shatwell, T.**, Villalba, L.A., Berger, S.A., Kyba, C.C.M., Nejstgaard, J.C., Jechow, A., Kupprat, F., Stephan, S., Walles, T.J.W., Wollrab, S., Hölker, F., Dittmar, T., Gessner, M.O., Singer, G.A., Grossart, H.-P. (2025): Skyglow increases cyanobacteria abundance and organic matter cycling in lakes
Water Res. **278** , art. 123315
[10.1016/j.watres.2025.123315](https://doi.org/10.1016/j.watres.2025.123315)
247. **Forootani, A.**, **Esmaeili Aliabadi, D.**, **Thrän, D.** (2025): Bio-Eng-LLM AI Assist: A modular chatbot platform for interdisciplinary research and education
SoftwareX **31** , art. 102260
[10.1016/j.softx.2025.102260](https://doi.org/10.1016/j.softx.2025.102260)

248. **Forootani, A., Esmaeili Aliabadi, D., Thrän, D.** (2025):
Climate Aware Deep Neural Networks (CADNN) for wind power simulation
Array **28** , art. 100534
[10.1016/j.array.2025.100534](https://doi.org/10.1016/j.array.2025.100534)
249. **Foscari, A., Herzke, D., Mowafi, R., Seiwert, B., De Witte, B., Delbare, D., Heras, G.B., Gago, J., Reemtsma, T.** (2025):
Uptake of chemicals from tire wear particles into aquatic organisms - search for biomarkers of exposure in blue mussels (*Mytilus edulis*)
Mar. Pollut. Bull. **219** , art. 118311
[10.1016/j.marpolbul.2025.118311](https://doi.org/10.1016/j.marpolbul.2025.118311)
250. Fouad, S.S., Heggy, E., Amrouni, O., Hzami, A., Nijhuis, S., Mohamed, N., Saleh, I.H., **Jomaa, S.**, Elsheshtawy, Y., Weilacher, U. (2025):
Soaring building collapses in Southern Mediterranean coasts: hydroclimatic drivers & adaptive landscape mitigations
Earth Future **13** (2), e2024EF004883
[10.1029/2024EF004883](https://doi.org/10.1029/2024EF004883)
251. Francke, T., Brogi, C., Duarte Rocha, A., Förster, M., Heistermann, M., Köhli, M., Rasche, D., Reich, M., Schattan, P., Scheiffele, L., **Schrön, M.** (2025):
Virtual Joint Field Campaign: a framework of synthetic landscapes to assess multiscale measurement methods of water storage
Geosci. Model Dev. **18** (3), 819 - 842
[10.5194/gmd-18-819-2025](https://doi.org/10.5194/gmd-18-819-2025)
252. François, B., Teber, K., Brett, L., Leeding, R., Gimeno-Sotelo, L., Domeisen, D.I.V., Suarez-Gutierrez, L., **Bevacqua, E.** (2025):
Concurrent modes of climate variability linked to spatially compounding wind and precipitation extremes in the Northern Hemisphere
Earth Syst. Dynam. **16** (4), 1029 - 1051
[10.5194/esd-16-1029-2025](https://doi.org/10.5194/esd-16-1029-2025)
253. Fu, J., Wang, C., Qin, Y., Lesk, C., Müller, C., **Zscheischler, J.**, Liu, X., Liang, H., Jiang, Y., Wang, X., Zhou, F. (2025):
Regionally variable responses of maize and soybean yield to rainfall events in China
Agric. For. Meteorol. **364** , art. 110458
[10.1016/j.agrformet.2025.110458](https://doi.org/10.1016/j.agrformet.2025.110458)
254. Fusinato, E., **Han, S.**, Kobiyama, M., **de Brito, M.M.** (2025):
Unintended consequences of public policies in increasing risk: the safe development paradox in the Revólver basin, Brazil
Int. J. Disaster Risk Reduct. **128** , art. 105697
[10.1016/j.ijdrr.2025.105697](https://doi.org/10.1016/j.ijdrr.2025.105697)

255. **Gad, M.,** Tayyebi Sabet Khomami, N., **Krieg, R., Schor, J.,** Philippe, A., **Lechtenfeld, O.J.** (2025):
Environmental drivers of dissolved organic matter composition across central European aquatic systems: A novel correlation-based machine learning and FT-ICR MS approach
Water Res. **273** , art. 123018
[10.1016/j.watres.2024.123018](https://doi.org/10.1016/j.watres.2024.123018)
256. **Gai, B., Kumar, R., Hüesker, F., Mi, C., Kong, X., Boehrer, B., Rinke, K., Shatwell, T.** (2025):
Catchments amplify reservoir thermal response to climate warming
Water Resour. Res. **61** (1), e2023WR036808
[10.1029/2023WR036808](https://doi.org/10.1029/2023WR036808)
257. Garcia-Lozano, C., Pueyo-Ros, J., Canelles, Q., Latombe, G., Adriaens, T., Bacher, S., Cardoso, A.C., Cleary, M., Coromina, L., Courchamp, F., Dawson, W., de Groot, M., Essl, F., Gallardo, B., **Golivets, M.,** Huusela, E., Jauni, M., Jelaska, S.D., Jeschke, J.M., Katsanevakis, S., Kourantidou, M., **Kühn, I.,** Lenzner, B., Leung, B., Marchante, E., O'Flynn, C., Pérez-Granados, C., Pergl, J., Pipek, P., Preda, C., Ribeiro, F., Roy, H., Scalera, R., von Schmalensee, M., Seebens, H., Stefánsson, R.A., Tokarska-Guzik, B., Tricarico, E., Vanderhoeven, S., Vandvik, V., Vilà, M., Roura-Pascual, N. (2025):
Management measures and trends of biological invasions in Europe: a survey-based assessment of local managers
Glob. Change Biol. **31** (1), e70028
[10.1111/gcb.70028](https://doi.org/10.1111/gcb.70028)
258. Garrett, R., Meyfroidt, P., de Bremond, A., Wartenberg, A., Barbieri, L., Fernández-Llamazares, A., Acheampong, E., Addoah, T., Adeleye, M., Alexander, P., Brandão, J., Coomes, D.A., Ellis, E.C., Fajardo, J., Jacobi, J., Leach, M., Lele, S., **Llanque Zonta, A.,** Lyons-White, J., Martin, A., Messerli, P., Milner-Gulland, E.J., Müller, D., Mills, M., Nantongo Kalunda, P., Pascual, U., Rueda, X., Ryan, C., Setty, S., Pham, T.T., Zagaria, C. (2025):
Policy principles for sustainable and just land systems
R. Soc. Open Sci. **12** (10), art. 250810
[10.1098/rsos.250810](https://doi.org/10.1098/rsos.250810)
259. Gatiso, T.T., Kulik, L., Bachmann, M., **Bonn, A.,** Bösch, L., Freytag, A., Heurich, M., Wesche, K., Ordaz-Németh, I., Sop, T., Köhl, H.S. (2025):
The role of scientific evidence and social context in protected area decision making
Conserv. Sci. Pract. **7** (12), e70182
[10.1111/csp2.70182](https://doi.org/10.1111/csp2.70182)

260. **Gawel, E.** (2025):
Wasserstress in Deutschland: Engpässe trotz „Wasserreichtums“
Wirtschaftsdienst - Zeitschrift für Wirtschaftspolitik **105** (8), 538 - 539
[10.2478/wd-2025-0137](https://doi.org/10.2478/wd-2025-0137)
261. Gebrechorkos, S.H., Sheffield, J., Vicente-Serrano, S.M., Funk, C., Miralles, D.G., **Peng, J.**, Dyer, E., Talib, J., Beck, H.E., Singer, M.B., Dadson, S.J. (2025):
Warming accelerates global drought severity
Nature **642** (8068), 628 - 635
[10.1038/s41586-025-09047-2](https://doi.org/10.1038/s41586-025-09047-2)
262. Geers-Lucas, M., Leue, M., **Schlüter, S.**, Sommer, M. (2025):
Long-term improvement of subsoil pore structure in sandy soils by meliorative fractional deep tillage
Geoderma **463**, art. 117556
[10.1016/j.geoderma.2025.117556](https://doi.org/10.1016/j.geoderma.2025.117556)
263. **Geiger, C., Tafarte, P., Wolfram, E., Lehmann, P.** (2025):
Wind power deployment in Germany: trade-offs of spatial planning instruments
Journal of Land Use Science **20** (1), 1 - 20
[10.1080/1747423X.2025.2458849](https://doi.org/10.1080/1747423X.2025.2458849)
264. **Geistlinger, H., Zulfiqar, B.** (2025):
Absorption and diffusion process at the CO₂-decane interface considering density fluctuations near the critical CO₂ point
Surf. Interfaces **56**, art. 105520
[10.1016/j.surfin.2024.105520](https://doi.org/10.1016/j.surfin.2024.105520)
265. **Geistlinger, H., Zulfiqar, B., Koehne, J.M., Schlueter, S., Apelt, B.**, Amro, M. (2025):
Fast mass transfer processes of interfering trapped CO₂-clusters at reservoir conditions: Experiment and theory
Geoenergy Sci. Eng. **245**, art. 213509
[10.1016/j.geoen.2024.213509](https://doi.org/10.1016/j.geoen.2024.213509)
266. Gelber, S., Blowes, S.A., Chase, J.M., **Huth, A.**, Schurr, F.M., Tietjen, B., Zeller, J.W., May, F. (2025):
Geometric and demographic effects explain contrasting fragmentation-biodiversity relationships across scales
Oikos **2025** (7), e10778
[10.1111/oik.10778](https://doi.org/10.1111/oik.10778)

267. Gerling, C., **Drechsler, M.**, Kadir, K., Kahlau, B., Keuler, K., **Leins, J.**, Sturm, A., Wätzold, F. (2025):
ClimeHop: An interactive app for teaching cost-effective biodiversity conservation under climate change
J. Econ. Educ. **56** (2), 202 - 203
[10.1080/00220485.2025.2461066](https://doi.org/10.1080/00220485.2025.2461066)
268. Gerling, C., **Drechsler, M.**, Keuler, K., **Leins, J.**, Schulz, B., Sturm, A., Wätzold, F. (2025):
Effektivität und Kosteneffizienz von Artenschutzmaßnahmen unter Klimawandel – das Beispiel der Sumpfschrecke (*Stethophyma grossum*) in Schleswig-Holstein [Effectiveness and cost-effectiveness of species conservation measures under climate change – The example of the large marsh grasshopper (*Stethophyma grossum*) in Schleswig-Holstein]
Nat. Landsch. **100** (1), 2 - 8
[10.19217/NuL2025-01-01](https://doi.org/10.19217/NuL2025-01-01)
269. Gerling, C., **Drechsler, M.**, **Leins, J.A.**, Sturm, A., Wätzold, F. (2025):
Cost-effective policy instruments for biodiversity conservation under climate change – The need for flexibility
Ecol. Econ. **227**, art. 108414
[10.1016/j.ecolecon.2024.108414](https://doi.org/10.1016/j.ecolecon.2024.108414)
270. **Gey, R.**, Wittenborg, T., Struck, A., Mietchen, D., Karras, O. (2025):
Seek and you shall find - or not! Why can't we find the research software we really need?
Electronic Communications of the EASST **85**, art. 2712
[10.14279/eceasst.v85.2712](https://doi.org/10.14279/eceasst.v85.2712)
271. **Ghaderi, N.**, **Ibrahim, Z.**, Guber, A., Khosrozadeh, S., **Guliyev, V.**, **Tarkka, M.**, **Blagodatskaya, E.** (2025):
High-resolution sampling for enhanced spatial analysis of microbial growth and enzyme activity in the rhizosphere
Rhizosphere **34**, art. 101062
[10.1016/j.rhisph.2025.101062](https://doi.org/10.1016/j.rhisph.2025.101062)
272. Ghira, S.A., **Heilemann, J.** (2025):
Urban heat adaptation through co-design of public space using the new European Bauhaus principles: a case study of Józsefváros, Budapest
Discov. Sustain. **6**, art. 203
[10.1007/s43621-025-00975-7](https://doi.org/10.1007/s43621-025-00975-7)

273. **Ghosh, D.**, Shi, Y., Zimmermann, I.M., Holzhauser, K., **von Bergen, M.**, Kaster, A.-K., Spielvogel, S., Dippold, M.A., Müller, J.A., **Jehlich, N.** (2025):
Cover crop root channels promote bacterial adaptation to drought in the maize rhizosphere
Glob. Change Biol. **31** (9), e70512
[10.1111/gcb.70512](https://doi.org/10.1111/gcb.70512)
274. Gillerot, L., Landuyt, D., Bourdin, A., **Rozario, K.**, Shaw, T., Steinparzer, M., Stojek, K., Vanroy, T., Cuentas Romero, A.G., Müller, S., **Oh, R.R.Y.**, Proß, T., Bonal, D., **Bonn, A.**, Bruelheide, H., Godbold, D., Haluza, D., Jactel, H., Jaroszewicz, B., Kilpi, K., Marselle, M., Ponette, Q., Scherer-Lorenzen, M., De Frenne, P., Muys, B., Verheyen, K. (2025):
Forest biodiversity and structure modulate human health benefits and risks
Nat. Sustain. **8** (5), 485 - 497
[10.1038/s41893-025-01547-3](https://doi.org/10.1038/s41893-025-01547-3)
275. Girdler, E.B., **Knight, T.M.**, **Evers, S.M.**, Compagnoni, A., **Leberger, R.**, Marik, J.E., Hamzé, S.I., Jolls, C.L. (2025):
Small-scale stabilizing effect of asynchrony in vital rate responses to climate in an imperiled dune thistle
Ecol. Evol. **15** (9), e72080
[10.1002/ece3.72080](https://doi.org/10.1002/ece3.72080)
276. Glaberman, S., Frey, H.C., **Tal, T.** (2025):
Dismantling EPA's research office jeopardizes environmental safety, public health, and US competitiveness
Proc. Natl. Acad. Sci. U.S.A. **122** (24), e2508060122
[10.1073/pnas.2508060122](https://doi.org/10.1073/pnas.2508060122)
277. Gocke, M.I., Scheibe, A., Vergara Sosa, M., **Vetterlein, D.**, Pausch, J., **Lippold, E.**, Lehndorff, E. (2025):
Rhizodeposit carbon gradients: Potentials and limitations of destructive rhizosphere sampling on a millimeter-scale
J. Plant Nutr. Soil Sci. **188** (4), 616 - 625
[10.1002/jpln.12011](https://doi.org/10.1002/jpln.12011)
278. **Goerdeler, C.**, **Engelmann, B.**, Broghammer, H., **Aldehoff, A.S.**, Wabitsch, M., **Schubert, K.**, Blüher, M., Heiker, J.T., **Rolle-Kampczyk, U.**, **von Bergen, M.** (2025):
¹³C metabolic tracing in human SGBS cells provides a potential new approach methodology for assessing metabolism-disrupting properties of environmental chemicals
J. Hazard. Mater. **500**, art. 140384
[10.1016/j.jhazmat.2025.140384](https://doi.org/10.1016/j.jhazmat.2025.140384)

279. **Goihl, S.** (2025):
Tillage direction analysis in agricultural fields from Digital Orthophotos and Sentinel-2 imagery
Remote Sens. Appl.-Soc. Environ. **37** , art. 101486
[10.1016/j.rsase.2025.101486](https://doi.org/10.1016/j.rsase.2025.101486)
280. **Gómez-Olarte, S., Kretschmer, T., Zantop, S., Tal, T., Myhre, O., Stojanovska, V., Meyer, N., Zenclussen, A.C.** (2025):
PFAS mixture effects on single-cell CyTOF-based profiling of human primary immune cells: transitioning to new approach methodologies
Toxicol. Lett. **411** (Supplement), S184 - S185
[10.1016/j.toxlet.2025.07.444](https://doi.org/10.1016/j.toxlet.2025.07.444)
281. **Gómez-Olarte, S., Röder, S., Borte, M., Krauss, M., Zenclussen, A., Brack, W., Herberth, G., Huber, C.** (2025):
Prenatal exposure to emerging pesticides and childhood allergy risk: A mixture assessment in an urban birth cohort
Environ. Sci. Technol. Lett. **12** (12), 1611 - 1617
[10.1021/acs.estlett.5c00836](https://doi.org/10.1021/acs.estlett.5c00836)
282. **Gómez-Olarte, S., Röder, S., Rolle-Kampczyk, U., Sack, U., von Bergen, M., Borte, M., Zenclussen, A.C., Herberth, G.** (2025):
Prenatal exposure to mixtures of phthalates and bisphenol A and eczema risk: findings in atopic and non-atopic children from the LiNA birth cohort
Environ. Res. **278** , art. 121667
[10.1016/j.envres.2025.121667](https://doi.org/10.1016/j.envres.2025.121667)
283. González, A.L., Merder, J., Andrzejek, K., Brose, U., Filipiak, M., **Harpole, W.S.**, Hillebrand, H., Jackson, M.C., et al. (2025):
StoichLife: A global dataset of plant and animal elemental content
Sci. Data **12** , art. 569
[10.1038/s41597-025-04852-w](https://doi.org/10.1038/s41597-025-04852-w)
284. González, A.L., Merder, J., Andrzejek, K., Brose, U., Filipiak, M., **Harpole, W.S.**, Hillebrand, H., Jackson, M.C., Jochum, M., Leroux, S.J., Nessel, M.P., Onstein, R.E., Paseka, R., Perry, G.L.W., Peace, A., Rugenski, A., Sitters, J., Sperfeld, E., Striebel, M., Zandona, E., Mozsár, A., Bluhm, S., Doi, H., Eisenhauer, N., Farjalla, V.F., Hood, J., Kratina, P., Lovelock, C., Moody, E.K., Pollierer, M.E., Potapov, A., Romero, G.Q., Roussel, J.-M., Scheu, S., Scheunemann, N., Seeber, J., Steinwandter, M., Susanti, W.I., Tiunov, A., Dézerald, O. (2025):
Nitrogen deposition reveals global patterns in plant and animal stoichiometry
Nat. Commun. **16** , art. 10977
[10.1038/s41467-025-65960-0](https://doi.org/10.1038/s41467-025-65960-0)

285. González-Infante, E., San Román, A., Ayala-Cabrera, J.F., Etxebarria, N., González-Gaya, B., **Lopez-Herguedas, N.**, Musatadi, M., Olivares, M., Prieto, A., Zuloaga, O. (2025):
Mass spectrometry-based high-throughput sample treatment methods for analysis of xenobiotics in human biofluids
Adv. Sample Prep. **14**, art. 100183
[10.1016/j.sampre.2025.100183](https://doi.org/10.1016/j.sampre.2025.100183)
286. Görnt, A., Wilkes, T., **Seelig, A.**, Sempert, T., Brasse, G., Maier, R., **Zahn, D.**, Chang, H.-D., **Reemtsma, T.**, Dittmann, D., Haberkamp, J., Reynaert, E., Ruhl, A.S. (2025):
Chemical and microbial similarities and heterogeneities of wastewater from single-household cesspits for decentralised water reuse
Water Reuse **15** (2), 255 - 270
[10.2166/wrd.2025.011](https://doi.org/10.2166/wrd.2025.011)
287. Gould, E., Fraser, H.S., Parker, T.H., Nakagawa, S., Griffith, S.C., Vesk, P.A., **Takola, E.**, Tanentzap, A.J., et al. (2025):
Same data, different analysts: variation in effect sizes due to analytical decisions in ecology and evolutionary biology
BMC Biol. **23**, art. 35
[10.1186/s12915-024-02101-x](https://doi.org/10.1186/s12915-024-02101-x)
288. Grayson, K., **Thober, S.**, Lacima-Nadolnik, A., Alsina-Ferrer, I., Lledó, L., **Sharifi, E.**, Doblas-Reyes, F. (2025):
Statistical summaries for streamed data from climate simulations: one-pass algorithms
Geosci. Model Dev. **18** (17), 5873 - 5890
[10.5194/gmd-18-5873-2025](https://doi.org/10.5194/gmd-18-5873-2025)
289. Greenwell, M.P., Botham, M.S., Bruford, M.W., Day, J.C., Gibbs, M., Høye, T.T., Maes, D., Middlebrook, I., **Musche, M.**, Petterson, L.B., Roy, D.B., **Settele, J.**, Stefanescu, C., Teder, T., Thomas, N.E., Watts, K., Oliver, T.H. (2025):
Monitoring spatiotemporal patterns in the genetic diversity of a European butterfly species
Insect. Conserv. Divers. **18** (1), 80 - 94
[10.1111/icad.12786](https://doi.org/10.1111/icad.12786)
290. Grenié, M., Bruelheide, H., Dawson, W., Essl, F., van Kleunen, M., **Kühn, I.**, Kreft, H., Pyšek, P., Weigelt, P., Winter, M. (2025):
Gaps in global alien plant trait data and how to fill them
Glob. Ecol. Biogeogr. **34** (10), e70131
[10.1111/geb.70131](https://doi.org/10.1111/geb.70131)

291. Grêt-Regamey, A., Saunders, J., Edwards, P., Richards, D., Alemu, J.I., Bhatia, N., Carrasco, R., Drillet, Z., Fung, T.K., Gaw, Y.F.L., Jaung, W., Law, A., Leong, A.I.T., Lim, A.Y.M., Masoudi, M., Nathan, Y., **Oh, R.R.Y.**, Ooi, W.T., Shaikh, F.E.A.S., Song, X.P., Tan, C.L.Y., Tan, P.Y., Wicki, S., Wong, L.-W., Yan, Y., Yando, E., Yee, A.T.K., Zhang, J., Friess, D.A. (2025):
The pluralistic natural capital values of a tropical city
Ecosyst. Serv. **76** , art. 101774
[10.1016/j.ecoser.2025.101774](https://doi.org/10.1016/j.ecoser.2025.101774)
292. Greve, P., Schmitt, A.U., Miralles, D.G., McDermid, S., Findell, K.L., **García-García, A., Peng, J.** (2025):
Observational evidence of increased afternoon rainfall downwind of irrigated areas
Nat. Commun. **16** , art. 3415
[10.1038/s41467-025-58729-y](https://doi.org/10.1038/s41467-025-58729-y)
293. Grimm, H., Lorenz, J., Straub, D., Joshi, P., Shuster, J., Zarfl, C., **Muehe, E.M.**, Kappler, A. (2025):
Nitrous oxide is the main product during nitrate reduction by a novel lithoautotrophic iron(II)-oxidizing culture from an organic-rich paddy soil
Appl. Environ. Microb. **91** (1), e01262-24
[10.1128/aem.01262-24](https://doi.org/10.1128/aem.01262-24)
294. **Grimm, V.**, Berger, U., **Calabrese, J.M.**, **Cortés-Avizanda, A.**, Ferrer, J., Franz, M., **Groeneveld, J.**, Hartig, F., Jakoby, O., Jovani, R., Kramer-Schadt, S., Münkemüller, T., Piou, C., Premo, L.S., **Pütz, S.**, Quintaine, T., Rademacher, C., Rüger, N., Schmolke, A., Thiele, J.C., Touza, J., Railsback, S.F. (2025):
Using the ODD protocol and NetLogo to replicate agent-based models
Ecol. Model. **501** , art. 110967
[10.1016/j.ecolmodel.2024.110967](https://doi.org/10.1016/j.ecolmodel.2024.110967)
295. **Große, A.**, **Graeber, D.**, **Fink, P.**, Reisinger, A.J., **Kamjunke, N.**, **Meyer, M.**, Ilić, M., **Borchardt, D.**, **Perujo, N.** (2025):
Contrasting functional responses of benthic and hyporheic stream biofilms to light availability and macronutrient stoichiometry
Limnol. Oceanogr. **70** (S2), S126 - S139
[10.1002/lno.70069](https://doi.org/10.1002/lno.70069)
296. **Große, A.**, **Perujo, N.**, **Fink, P.**, Reisinger, A.J., **Borchardt, D.**, McCarthy, M.J., **Graeber, D.** (2025):
Stream C to N to P ratios aligned with microbial needs enhance biofilm nitrate uptake and subsequent nitrogen loss
Biogeochemistry **168** (4), art. 62
[10.1007/s10533-025-01252-5](https://doi.org/10.1007/s10533-025-01252-5)

297. Gross, M., von Wehrden, H., Mwampamba, T.H., Sanya, J., Pearson, J., Sesabo, J.K., Riechers, M., Arbieu, U., **Böhning-Gaese, K.**, Martín-López, B. (2025): Broadening the justifications for inclusive conservation: Values associated with Nature's Contributions to People
Conserv. Lett. **18** (5), e13129
[10.1111/conl.13129](https://doi.org/10.1111/conl.13129)
298. Grosse, G., Hashemi, J., van Delden, L., Lübker, T., Nitze, I., Strauss, J., Kruse, S., Herzsuh, U., Ghamisi, P., Steinbach, P., Joshi, G., Yu, W., Rizaldy, A., Gloaguen, R., Cavallaro, G., Zandi, E., Sedona, R., Hashim, S., Mandal, S., Herold, M., Song, Q., Besnard, S., Urbazaev, M., Sips, M., **Huth, A.**, Hajnsek, I., Pardini, M. (2025): 3D-ABC: A foundation model for global terrestrial 3D above and below ground carbon stock mapping
IGARSS 2025 - IEEE International Geoscience and Remote Sensing Symposium, Brisbane, Australia, 03-08 August 2025
International Geoscience and Remote Sensing Symposium
Institute of Electrical and Electronics Engineers (IEEE), New York, NY, p. 862 - 866
[10.1109/IGARSS55030.2025.11242519](https://doi.org/10.1109/IGARSS55030.2025.11242519)
299. Guan, Y., Gu, X., Dai, A., Zhou, T., Yuan, X., Mishra, A.K., **Zscheischler, J.**, Pokhrel, Y., Wang, L., Li, J., Huang, S., Luo, S., Li, L., Kong, D., Zhang, X. (2025): Anthropogenic enhancement of subsurface soil moisture droughts
Nat. Clim. Chang. **15** (12), 1355 - 1362
[10.1038/s41558-025-02458-z](https://doi.org/10.1038/s41558-025-02458-z)
300. Güntsch, A., Overmann, J., Ebert, B., **Bonn, A.**, Le Bras, Y., **Engel, T.**, Hovstad, K.A., Lange Canhos, D.A., Newman, P., van Ommen Kloeke, E., Ratcliffe, S., le Roux, M., Smith, V.S., Triebel, D., Fichtmueller, D., Luther, K. (2025): National biodiversity data infrastructures: ten essential functions for science, policy, and practice
Bioscience **75** (2), 139 - 151
[10.1093/biosci/biae109](https://doi.org/10.1093/biosci/biae109)
301. Guo, W., Huang, S., Liu, L., Leng, G., Huang, Q., Chen, D., Li, J., Li, P., Wang, Y., Zhu, X., **Peng, J.** (2025): Global critical drought thresholds of terrestrial carbon sink–source transition
Glob. Change Biol. **31** (3), e70129
[10.1111/gcb.70129](https://doi.org/10.1111/gcb.70129)

302. Guo, Y., Beyerle, U., **Bevacqua, E., Zscheischler, J.**, Suarez-Gutierrez, L., Mittermeier, M., Fu, Z., Fischer, E. (2025):
European compound flood-heat-flood events associated with Omega patterns cannot be easily reproduced by a fully coupled model
Commun. Earth Environ. **6** , art. 491
[10.1038/s43247-025-02481-0](https://doi.org/10.1038/s43247-025-02481-0)
303. Gupta, R., Singh, V.P., Sharma, A., **Sharma, P.**, Kumar, M. (2025):
Emerging roles of nanoparticles in sustainable agriculture
Plant Nano Biol. **13** , art. 100197
[10.1016/j.plana.2025.100197](https://doi.org/10.1016/j.plana.2025.100197)
304. **Gutjahr, S., Esmaeili Aliabadi, D., Thrän, D.** (2025):
Bioenergy's balancing act: navigating weather variability in energy system optimization
33rd European Biomass Conference and Exhibition, Valencia, Spain, 9-12 June 2025
EUBCE Proceedings
ETA-Florence Renewable Energies, Florence, p. 412 - 414
[10.5071/33rdEUBCE2025-2BV.9.4](https://doi.org/10.5071/33rdEUBCE2025-2BV.9.4)
305. **Gutjahr, S., Esmaeili Aliabadi, D., Thrän, D.** (2025):
Exploring the impact of weather variability on bioenergy and variable renewable energy
2025 21st International Conference on the European Energy Market (EEM), Lisbon, Portugal, 27-29 May 2025
EEM 2025
Institute of Electrical and Electronics Engineers (IEEE), New York, NY, p. 1 - 6
[10.1109/EEM64765.2025.11050134](https://doi.org/10.1109/EEM64765.2025.11050134)
306. **Gütschow, M., Bartkowski, B.** (2025):
The farmer I want to be: farmers' role identity in multifunctional agricultural landscapes
Agric. Human Values **42** , 2897 - 2915
[10.1007/s10460-025-10789-y](https://doi.org/10.1007/s10460-025-10789-y)
307. **Gutsfeld, S., Wray, C., Schweiger, N., Röhrig, A., Paschke, H., Fu, Q., Kasmanas, J.C., Kader, S., Nunes da Rocha, U., Tal, T.** (2025):
The zebrafish microbiome has the capacity to bioactivate PFOS precursor compounds
Toxicol. Lett. **411** (Supplement), S176
[10.1016/j.toxlet.2025.07.425](https://doi.org/10.1016/j.toxlet.2025.07.425)
308. **Haalck, I., Krauss, M., Brack, W., Huber, C.** (2025):
Exploring domestic discharge patterns in wastewater through LC-HRMS screening and temporal clustering
Environ. Sci. Technol. **59** (29), 15375 - 15384
[10.1021/acs.est.5c02486](https://doi.org/10.1021/acs.est.5c02486)

309. **Haase, A., Pöbneck, J.** (2025):
Urbane Ankunftsräume als Grenzräume der Segregation? Kommentar zu Nihad El-Kayed „Segregation als Grenzformation“
Suburban **13** (2/3), 331 - 343
[10.36900/suburban.v13i2/3.1080](https://doi.org/10.36900/suburban.v13i2/3.1080)
310. **Haase, D.** (2025):
What's ahead: navigating the future of environmental science in and around cities in post-pandemic times
Front. Environ. Sci. **13**, art. 1613491
[10.3389/fenvs.2025.1613491](https://doi.org/10.3389/fenvs.2025.1613491)
311. **Haase, D.** (2025):
Turning the tide—why cities can be both drivers of climate change and biodiversity loss, and leaders in tackling them
Front. Environ. Sci. **13**, art. 1685668
[10.3389/fenvs.2025.1685668](https://doi.org/10.3389/fenvs.2025.1685668)
312. **Haase, D., Dushkova, D.** (2025):
Small spaces, big impact: Kindergartens as critical nodes in climate-resilient urban green infrastructure
Urban For. Urban Green. **113**, art. 129094
[10.1016/j.ufug.2025.129094](https://doi.org/10.1016/j.ufug.2025.129094)
313. **Haase, D., Scholz, S., Wolff, M.** (2025):
Who's behind urban tree sponsorship? Lessons learned from the spatial analysis of public engagement in a tree-planting programme about justice and motivations for participation
Urban For. Urban Green. **112**, art. 128943
[10.1016/j.ufug.2025.128943](https://doi.org/10.1016/j.ufug.2025.128943)
314. Habershon, S., Nenoff, K., Kraemer, G., **Schüler, L., Zozmann, H.**, Calabrese, J.M., **Attinger, S.**, Mahecha, M.D. (2025):
The spatiotemporal dynamics of COVID-19 in Europe: time-series clustering maps 5 distinct trajectories to spatial patterns
Popul. Health Metr. **23**, art. 44
[10.1186/s12963-025-00405-w](https://doi.org/10.1186/s12963-025-00405-w)
315. **Haenelt, S., Akay, C., Richnow, H.-H., Kümmel, S., Stryhanyuk, H., Müller, J.A., Musat, N.** (2025):
Compartment-specific effect of sulfamethoxazole at low µg/L concentrations on microbial nitrogen assimilation in a river system
Water Res. X **28**, art. 100390
[10.1016/j.wroa.2025.100390](https://doi.org/10.1016/j.wroa.2025.100390)

316. Hagemann, T., **Rolle-Kampczyk, U., Schubert, K.,** Dietrich, A., **von Bergen, M.,** Blüher, M., Hoffmann, A. (2025):
Human adipose tissue gene expression signatures indicate an inflammatory response and retinoic receptor activation under persistent organic pollutants exposure
Environ. Adv. **21** , art. 100655
[10.1016/j.envadv.2025.100655](https://doi.org/10.1016/j.envadv.2025.100655)
317. Haluska, A.A., Blendinger, E., Rügner, H., Buchner, D., Duda, J.-P., Thiel, V., Blumenberg, M., Ostertag-Henning, C., **Kümmel, S.,** Grathwohl, P. (2025):
Hydrocarbons, hydrogen, and organic acids generation by ball milling and batch incubation of sedimentary rocks
Appl. Geochem. **178** , art. 106160
[10.1016/j.apgeochem.2024.106160](https://doi.org/10.1016/j.apgeochem.2024.106160)
318. Han, L., Merz, B., Nguyen, V.D., Guse, B., **Samaniego, L.,** Schröter, K., Vorogushyn, S. (2025):
Recombining past event precipitation and antecedent catchment states generates unprecedented floods
Commun. Earth Environ. **6** , art. 692
[10.1038/s43247-025-02691-6](https://doi.org/10.1038/s43247-025-02691-6)
319. **Han, L., Seiwert, B., Lichtenwald, E., Weyrauch, S., Zahn, D., Reemtsma, T.** (2025):
Biodegradation pathways and products of tire-related phenylenediamines and phenylenediamine quinones in solution – a laboratory study
Water Res. **286** , art. 124235
[10.1016/j.watres.2025.124235](https://doi.org/10.1016/j.watres.2025.124235)
320. **Han, S.** (2025):
Anchored in place, driven by risk: How place attachment amplifies the household flood adaptation
Appl. Geogr. **177** , art. 103547
[10.1016/j.apgeog.2025.103547](https://doi.org/10.1016/j.apgeog.2025.103547)
321. **Han, S.,** Plavsic, J., **Dushkova, D., Gebhardt, O.,** Izydorzyc, K., Kovačević-Majkić, J., Krauze, K., Kuzior, M., Włodarczyk-Marciniak, R., **Kuhlicke, C.** (2025):
Beyond individual barriers: a systems approach to understanding and addressing nature-based solutions implementation challenges
Clim. Risk Manag. **50** , art. 100739
[10.1016/j.crm.2025.100739](https://doi.org/10.1016/j.crm.2025.100739)

322. Handwerker, J., Barthlott, C., **Bauckholt, M.**, Belleflamme, A., Böhmländer, A., Borg, E., Dick, G., **Dietrich, P.**, Fichtelmann, B., Geppert, G., Goergen, K., Güntner, A., Hammoudeh, S., Hervo, M., Hühn, E., Kaniyodical, M., Keller, J., Kohler, M., Knippertz, P., Kunz, M., **Landmark, S.**, Li, Y., **Mohannazadeh, M.**, Möhler, O., **Morsy, M.**, **Najafi, H.**, Nallasamy, N.D., Oertel, A., **Rakovec, O.**, Reich, H., Reich, M., Saathoff, H., **Samaniego, L.**, **Schrön, M.**, **Schuetze, C.**, Steinert, T., Vogel, F., Vorogushyn, S., **Weber, U.**, Wieser, A., Zhang, H. (2025): From initiation of convective storms to their impact - the Swabian MOSES 2023 campaign in southwestern Germany
Front. Earth Sci. **13** , art. 1555755
[10.3389/feart.2025.1555755](https://doi.org/10.3389/feart.2025.1555755)
323. Harms, P., Joshi, N., **Knauß, S.** (2025): Designing multispecies role-playing games: From human-nature partnerships towards multispecies justice
npj Urban Sustain. **5** , art. 68
[10.1038/s42949-025-00257-1](https://doi.org/10.1038/s42949-025-00257-1)
324. **Harpke, A.**, **Kühn, E.**, Schmitt, T., **Settele, J.**, **Musche, M.** (2025): The Grassland Butterfly Index for Germany
Nat. Conserv. (59), 315 - 334
[10.3897/natureconservation.59.162812](https://doi.org/10.3897/natureconservation.59.162812)
325. Hartweg, B., **Grohmann, L.**, **Huth, A.**, Papathanassiou, K., Lehnert, L.W. (2025): Are locally trained allometric functions of forest aboveground biomass universal across spatial scales and forest disturbance scenarios?
Ecol. Model. **510** , art. 111339
[10.1016/j.ecolmodel.2025.111339](https://doi.org/10.1016/j.ecolmodel.2025.111339)
326. Hartwig, R.P., Santangeli, M., **Würsig, H.**, **Martín Roldán, M.**, Yim, B., **Lippold, E.**, Tasca, A., Oburger, E., **Tarkka, M.**, **Vetterlein, D.**, Bienert, P., **Blagodatskaya, E.**, Smalla, K., Hause, B., Wimmer, M.A. (2025): Drought response of the maize plant–soil–microbiome system is influenced by plant size and presence of root hairs
Ann. Bot. **136** (5-6), 1013 - 1030
[10.1093/aob/mcaf033](https://doi.org/10.1093/aob/mcaf033)
327. Hasselder, P., Helmecke, M., Tiehm, A., Aumeier, B.M., Förster, C., **Zahn, D.**, Ho, J., Stapf, M., Zacharias, N., Dockhorn, T., Miehe, U., Ruhl, A.S. (2025): Complexity and challenges in agricultural water reuse monitoring from a German perspective
Water Reuse **15** (3), 439 - 457
[10.2166/wrd.2025.026](https://doi.org/10.2166/wrd.2025.026)

328. Hauer, A., Zuev, A., **Chatzinotas, A., Jurburg, S., Kümmel, S.,** Potapov, A. (2025): Tracking assimilation of microbial biomass, leaf litter and artificially created soil organic matter by soil fauna using multi-resource stable isotope labelling
Eur. J. Soil Biol. **126**, art. 103752
[10.1016/j.ejsobi.2025.103752](https://doi.org/10.1016/j.ejsobi.2025.103752)
329. Hayot, G., Lloyd, G.R., Diwan, G.D., Keith, N., Smoot, S.R., Cramer von Clausbruch, C.A., Kaufman, T.C., Barnard, M., Tindall, A.J., Glaholt, S.P., **Massei, R.,** Martínez, R., Strähle, U., Orsini, L., Russell, R.B., Tennessen, J.M., **Scholz, S.,** Shaw, J.R., Freedman, J.H., Colbourne, J.K., Weiss, C., Dickmeis, T. (2025): Alternative vertebrate and invertebrate model organisms show similar sensitivity as rodents to a diverse set of chemicals
Environ. Sci. Technol. **59** (48), 25634 - 25648
[10.1021/acs.est.5c10177](https://doi.org/10.1021/acs.est.5c10177)
330. Heger, T., Elliot-Graves, A., Kaiser, M.I., Morrow, K.H., Bausman, W., Dietl, G.P., Dormann, C.F., Gibson, D.J., Griesemer, J., Itescu, Y., **Jax, K.,** Latimer, A.M., Liu, C., Starrfelt, J., Stephens, P.A., Jeschke, J.M. (2025): Looking beyond Popper: how philosophy can be relevant to ecology
Oikos **2025** (2), e10994
[10.1111/oik.10994](https://doi.org/10.1111/oik.10994)
331. Heggelund, Y., Lien, M., **Otto, D.** (2025): The application of a multidisciplinary framework for optimizing the monitoring system for geological CO₂ storage
C-J. Carbon Res. **11** (2), art. 34
[10.3390/c11020034](https://doi.org/10.3390/c11020034)
332. **Heilemann, J., Nagpal, M., Werner, S., Klauer, B., Gawel, E., Klassert, C.** (2025): Scenario projections of future irrigation water demand for field crops in Germany considering farmers' adaptive land use
Agric. Water Manage. **318**, art. 109699
[10.1016/j.agwat.2025.109699](https://doi.org/10.1016/j.agwat.2025.109699)
333. Heinemann, H., Don, A., Poeplau, C., **Merbach, I.,** Reinsch, T., Welp, G., Vos, C. (2025): No saturation of soil carbon under longterm extreme manure additions
Plant Soil **512**, 1367 - 1384
[10.1007/s11104-024-07146-z](https://doi.org/10.1007/s11104-024-07146-z)
334. **Heinemann, N.,** Yang, S., **Büttner, O., Borchardt, D.** (2025): Nutrient loading and stream order shape benthic and pelagic spring algal biomass in a large, temperate river basin (Elbe River)
J. Environ. Manage. **383**, art. 125440
[10.1016/j.jenvman.2025.125440](https://doi.org/10.1016/j.jenvman.2025.125440)

335. **Heinze, J., Lehmann, C., Meisel, T., Rink, K.,** Kreye, P., Renz, A., Zeunert, S., Rühaak, W. (2025):
Combining FEFLOW and OpenGeoSys for interoperable workflows in environmental geotechnics
Environ. Earth Sci. **84** (16), art. 457
[10.1007/s12665-025-12380-4](https://doi.org/10.1007/s12665-025-12380-4)
336. **Heipieper, H.** (2025):
Editorial
Appl. Microbiol. Biotechnol. **109** (1), art. 95
[10.1007/s00253-025-13488-0](https://doi.org/10.1007/s00253-025-13488-0)
337. **Heipieper, H.J.** (2025):
Marines Bakterium produziert Biotensid, um Rohöl-Bestandteile abzubauen [Marine bacterium produces biosurfactant to break down crude oil components]
Biospektrum **31** (5), 533 - 533
[10.1007/s12268-025-2545-2](https://doi.org/10.1007/s12268-025-2545-2)
338. **Heiß, I., Stegmann, F., Wolf, M., Volk, M., Kaim, A.** (2025):
Supporting the spatial allocation of management practices to improve ecosystem services – An opportunity map approach for agricultural landscapes
Ecol. Indic. **172** , art. 113212
[10.1016/j.ecolind.2025.113212](https://doi.org/10.1016/j.ecolind.2025.113212)
339. **Hemp, C.,** Ritchie, J.M., Cigliano, M.M., Heller, K.-G., Warchalowska-Śliwa, E., Grzywacz, B., Linde, J., Uluar, O., Ngoute, C.O., Song, H. (2025):
Out of sight, out of mind? Ixalidiidae, a new family of African forest grasshoppers (Orthoptera, Acridoidea) revealed by molecular phylogenetics and genital morphology
Zoosystema **47** (24), 489 - 553
[10.5252/zoosystema2025v47a24](https://doi.org/10.5252/zoosystema2025v47a24)
340. **Henkel, S.,** Richter, R., Andrzejek, K., Mundry, R., Dontschev, M., Engelmann, R.A., **Hartmann, T., Hecht, C., Kasperidus, H.D., Rieland, G., Scholz, M., Seele-Dilbat, C., Vieweg, M.,** Wirth, C. (2025):
Ash dieback and hydrology affect tree growth patterns under climate change in European floodplain forests
Sci. Rep. **15** , art. 10117
[10.1038/s41598-025-92079-5](https://doi.org/10.1038/s41598-025-92079-5)

341. **Henle, K.,** Geiger, A., Pogoda, P., Schlüpmann, M., Vogt-Porant, F., Geise, U., Zahn, A. (2025):
Empfehlungen zur Erfassung des Kleinen Wasserfrosches (*Pelophylax lessonae*) für Akteure auf EU-, Bundes- und Länderebene [Recommendations for recording the pool frog (*Pelophylax lessonae*) for actors at EU level and at federal and regional-state levels in Germany]
Nat. Landsch. **100** (12), 535 - 542
[10.19217/NuL2025-12-02](https://doi.org/10.19217/NuL2025-12-02)
342. **Henle, K., Klenke, R.,** Barth, B., **Grimm-Seyfarth, A.,** Bowler, D.E. (2025):
Challenges and opportunities for assessing trends of amphibians with heterogeneous data – a call for better metadata reporting
Nat. Conserv. (58), 31 - 60
[10.3897/natureconservation.58.137848](https://doi.org/10.3897/natureconservation.58.137848)
343. Hennecke, J., Bassi, L., **Albracht, C.,** Amyntas, A., Bergmann, J., Eisenhauer, N., Fox, A., Heimbold, L., Heintz-Buschart, A., Kuyper, T.W., Lange, M., Pinheiro Alves de Souza, Y., Rai, A., Solbach, M.D., Mommer, L., Weigelt, A. (2025):
Plant species richness and the root economics space drive soil fungal communities
Ecol. Lett. **28** (1), e70032
[10.1111/ele.70032](https://doi.org/10.1111/ele.70032)
344. **Herion, Y., Philipp, L.,** Detjen, N., **Hoffmann, P., Harpole, W.S.,** Macholdt, J., **Reitz, T., Roscher, C.** (2025):
Grassland management affects plant leaf nutrients under ambient and future climate
Ecol. Evol. **15** (7), e71615
[10.1002/ece3.71615](https://doi.org/10.1002/ece3.71615)
345. Hernández-Tenorio, R., Hernández-Ramírez, A., **Moeder, M.,** Guzmán-Mar, J.L., Hinojosa-Reyes, L. (2025):
Photocatalysis reaction of a mixture of ten pharmaceutical active compounds: transformation products generated under the major degradation pathways
J. Water Process Eng. **78**, art. 108780
[10.1016/j.jwpe.2025.108780](https://doi.org/10.1016/j.jwpe.2025.108780)
346. **Herold, N.K., Gutsfeld, S., Leuthold, D., Wray, C., Spath, J., Tal, T.** (2025):
Multi-behavioral fingerprints can identify potential modes of action for neuroactive environmental chemicals
NeuroToxicology **108**, 377 - 399
[10.1016/j.neuro.2025.05.001](https://doi.org/10.1016/j.neuro.2025.05.001)

347. **Herold, N.K.**, Sørensen, L., Creese, M.E., Nahrgang, J., **Schweiger, N., Scholz, S., Tal, T.** (2025):
Neuroactive behavioral fingerprinting of crude oil-derived water accommodated fractions in larval zebrafish using a new approach method
Toxicol. Lett. **411** (Supplement), S119
[10.1016/j.toxlet.2025.07.302](https://doi.org/10.1016/j.toxlet.2025.07.302)
348. Herrmann, D., Hodapp, P., Starman, M., Huang, P.-C., Lin, C.-L., Le, L.B.Q., **Fischer, T.G.**, Bizzarri, C., Röse, P., Oppel, N., Klar, J., Tremouilhac, P., Holzhauser, L., Herres-Pawlis, S., Hoffmann, A., Seitz, T., Dorn, A., Zeitler, K., Jung, N., Bräse, S. (2025):
Enhancing FAIRdata by providing digital workflows from data generation to the publication of data: an open source approach described for cyclic voltammetry
Chem. Sci. **16** (10), 4430 - 4441
[10.1039/d4sc08620a](https://doi.org/10.1039/d4sc08620a)
349. **Hertle, L., Zacharias, S.**, Larsen, N., Rasche, D., McJannet, D., **Schrön, M.** (2025):
Neutron monitor based incoming flux correction for cosmic-ray neutron sensing of environmental water
Water Resour. Res. **61** (9), e2025WR040527
[10.1029/2025WR040527](https://doi.org/10.1029/2025WR040527)
350. **Herzprung, P.**, Sobolev, A., **von Tümpling, W., Kamjunke, N., Schwidder, M., Lechtenfeld, O.J.** (2025):
Temporal dynamics and intermediate product formation in DOM phototransformation revealed by liquid chromatography ultrahigh-resolution mass spectrometry
Environ. Sci. Technol. **59** (27), 13787 - 13797
[10.1021/acs.est.5c01986](https://doi.org/10.1021/acs.est.5c01986)
351. Heyer, R., Wolf, M., Benndorf, D., Uzzau, S., Seifert, J., Grenga, L., Pabst, M., Schmitt, H., Mesuere, B., Van Den Bossche, T., **Haange, S.-B., Jehmlich, N.**, Di Luca, M., Ferrer, M., Serrano-Villar, S., Armengaud, J., Bode, H.B., Hellwig, P., Masselot, C.R., Léonard, R., Wilmes, P. (2025):
Metaproteomics in the One Health framework for unraveling microbial effectors in microbiomes
Microbiome **13**, art. 134
[10.1186/s40168-025-02119-5](https://doi.org/10.1186/s40168-025-02119-5)
352. Hidalgo, K.J., Centurion, V.B., Lemos, L.N., Soriano, A.U., Valoni, E., Baessa, M.P., **Richnow, H.H., Vogt, C.**, Oliveira, V.M. (2025):
Disentangling the microbial genomic traits associated with aromatic hydrocarbon degradation in a jet fuel-contaminated aquifer
Biodegradation **36**, art. 7
[10.1007/s10532-024-10100-6](https://doi.org/10.1007/s10532-024-10100-6)

353. Hill, R.C., **Pieńkowska, A., Merbach, I., Reitz, T., Muehe, E.M.,** Vengosh, A. (2025): Impacts of fertilization on metal(loid) transfer from soil to wheat in a long-term fertilization experiment – using $^{87}\text{Sr}/^{86}\text{Sr}$ isotopes as metal(loid) tracer
Environ. Int. **205**, art. 109851
[10.1016/j.envint.2025.109851](https://doi.org/10.1016/j.envint.2025.109851)
354. Hillebrand, H., Dajka, J.-C., Halbach, M., Happe, A., Röchert, R., **Seppelt, R., Settele, J., Weitere, M.,** Winter, M., **Zinngrebe, Y.,** Hodapp, D. (2025): Operational perspectives for biodiversity indicators
Ecol. Solut. Evid. **6** (4), e70134
[10.1002/2688-8319.70134](https://doi.org/10.1002/2688-8319.70134)
355. Hilman, B., **Solly, E.F.,** Hagedorn, F., Kuhlmann, I., Herrera-Ramirez, D., Trumbore, S. (2025): ^{14}C -age of carbon used to grow fine roots reflects tree carbon status
Plant Cell Environ. **48** (12), 8788 - 8802
[10.1111/pce.70154](https://doi.org/10.1111/pce.70154)
356. Himes, A., Muraca, B., Allen, K., Chapman, M., Coelho-Junior, M.G., Cundill, G., Gould, R.K., Herrmann, T.M., Kenter, J.O., Nakachi, A., Nemogá, G.R., Ortiz-Przychodzka, S., Pearson, J., Rono, B., Saito, T., Tadaki, M., **Bonn, A.** (2025): Horizontal portability: A proposal for representing place-based relational values in research and policy
People Nat. **7** (4), 752 - 764
[10.1002/pan3.70016](https://doi.org/10.1002/pan3.70016)
357. Hmedat, A.N., **Chávez Morejón, M.,** Rivera, D.G., Pantelic, N.Đ., Wessjohann, L.A., Kaluderovic, G.N. (2025): Cyclic lipopeptides as selective anticancer agents: *In vitro* efficacy on B16F10 mouse melanoma cells
Anti-Cancer Agents Med. Chem. **25** (12), 873 - 882
[10.2174/0118715206351208250102114944](https://doi.org/10.2174/0118715206351208250102114944)
358. Hodač, L., **Dunker, S.,** Schmal, M., Carreño, E., Mäder, P., Lorenz, M., Jamroszczyk, M., Šubrt, D., Meier, S., Dürselen, C.-D., Wäldchen, J. (2025): Exploiting algal strains for robust cross-domain phytoplankton classification via deep learning
Limnol. Oceanogr. Meth. **23** (11), 815 - 833
[10.1002/lom3.10723](https://doi.org/10.1002/lom3.10723)
359. **Höfner, J.,** Bucharova, A., **Durka, W., Michalski, S.G.** (2025): Spatial patterns of genomic variation and genomic offset in a common grassland plant and their relation to seed transfer zones
Ecol. Evol. **15** (10), e72152
[10.1002/ece3.72152](https://doi.org/10.1002/ece3.72152)

360. Holle, V., Rönnfeldt, A., Schifferle, K., Cabral, J.S., Craven, D., **Knight, T.**, Seebens, H., Weigelt, P., Zurell, D. (2025):
Uncertainty in blacklisting potential Pacific plant invaders using species distribution models
J. Appl. Ecol. **62** (11), 3178 - 3193
[10.1111/1365-2664.70163](https://doi.org/10.1111/1365-2664.70163)
361. Hollins, J.P.W., Fleming, C.H., **Calabrese, J.M.**, Harris, L.N., Moore, J.-S., Malley, B.K., Noonan, M.J., Fagan, W.F., Alston, J.M., Hussey, N.E. (2025):
Home range spillover in habitats with impassable boundaries: Causes, biases, and corrections using autocorrelated kernel density estimation
Methods Ecol. Evol. **16** (12), 2945 - 2959
[10.1111/2041-210X.70082](https://doi.org/10.1111/2041-210X.70082)
362. **Hommel, E., König, M., Braun, G., Krauss, M., Kamjunke, N., Brack, W., Matousu, A., Sanders, T., Bussmann, I., Achterberg, E.P., Raupers, B., Escher, B.I.** (2025):
Following the mixtures of organic micropollutants with *in vitro* bioassays in a large lowland river from source to sea
ACS Environ. Au **5** (4), 363 - 375
[10.1021/acsenvironau.4c00059](https://doi.org/10.1021/acsenvironau.4c00059)
363. Hordones, R.H., Boëchat, I.G., Cunha, D.G.F., **Brauns, M.**, Gücker, B. (2025):
Toward effective river restoration in Brazil: a systematic review of current practices, regional disparities, and success metrics
Restor. Ecol. **33** (4), e70041
[10.1111/rec.70041](https://doi.org/10.1111/rec.70041)
364. **Hornick, T., Harpole, W.S., Dunker, S.** (2025):
High-throughput assessment of anemophilous pollen size and variability using imaging cytometry
New Phytol. **246** (4), 1875 - 1888
[10.1111/nph.70070](https://doi.org/10.1111/nph.70070)
365. **Houben, T., Ebeling, P., Khurana, S., Schmid, J.S., Boog, J.** (2025):
Machine-learning based spatiotemporal prediction of soil moisture in a grassland hillslope
Vadose Zone J. **24** (2), e70011
[10.1002/vzj2.70011](https://doi.org/10.1002/vzj2.70011)
366. Hu, M., Yoon, J.S., Sasaki, T., Liu, H., Wang, Z., Park, J.-W., Park, C.-H., Rutqvist, J., **Kolditz, O.**, Birkholzer, J. (2025):
Benchmark study of a new simplified DFN model for shearing of intersecting fractures and faults
Geomech. Energy Environ. **41**, art. 100644
[10.1016/j.gete.2025.100644](https://doi.org/10.1016/j.gete.2025.100644)

367. Hua, P., Huang, Q., **Wang, Z.**, Jiang, S., Gao, F., Zhang, J., Ying, G.-G. (2025): Impact of physicochemical and microbial drivers on the formation of disinfection by-products in drinking water distribution systems: A multivariate Bayesian network modeling approach
Water Res. **273** , art. 123001
[10.1016/j.watres.2024.123001](https://doi.org/10.1016/j.watres.2024.123001)
368. Huan, C., Meng, F., Yang, Z., Cai, W., Wang, Z., Wang, F., **Chen, C.-F.** (2025): Heat extraction performance and techno-economic analysis of a deep U-type borehole heat exchanger under intermittent operation
Geothermics **130** , art. 103307
[10.1016/j.geothermics.2025.103307](https://doi.org/10.1016/j.geothermics.2025.103307)
369. **Huang, J., Borchardt, D., Rode, M.** (2025): Changes in water quality and ecosystem processes at extreme summer low flow of 2018 with high-frequency sensors
Hydrol. Earth Syst. Sci. **29** (20), 5835 - 5849
[10.5194/hess-29-5835-2025](https://doi.org/10.5194/hess-29-5835-2025)
370. **Huang, X., Ebeling, P., Liu, G., Fleckenstein, J.H., Schmidt, C.** (2025): Combining local head differences and topography-driven groundwater flow reveals gaining and losing patterns in stream networks
Water Resour. Res. **61** (2), e2024WR037443
[10.1029/2024WR037443](https://doi.org/10.1029/2024WR037443)
371. **Huber, C., Ulrich, N., Krauss, M.** (2025): Trapped ion mobility improves annotation accuracy in LC-HRMS screening applications for exposomics
Anal. Chem. **97** (44), 24608 - 24615
[10.1021/acs.analchem.5c04665](https://doi.org/10.1021/acs.analchem.5c04665)
372. **Hubig, A., Musolff, A., Shatwell, T., Weitere, M., Wachholz, A., Ebeling, P., Scharfenberger, U.** (2025): Linking spatial patterns of chlorophyll α and phosphorus concentrations: River length and upstream lakes control realized eutrophication in German rivers
Water Res. **287, Part B** , art. 124372
[10.1016/j.watres.2025.124372](https://doi.org/10.1016/j.watres.2025.124372)
373. **Iacono, R., Buscot, F., Forteva, S., Schöning, I., Schruppf, M., Solly, E.F., Wöllauer, S., Goldmann, K.** (2025): Uncovering the role of land use intensity in shaping forest and grassland-specific soil fungal communities
Environ. Microbiol. **27** (8), e70170
[10.1111/1462-2920.70170](https://doi.org/10.1111/1462-2920.70170)

374. **Iakunin, M., Taubert, F.,** Goss, R., Sasso, S., **Feilhauer, H., Doktor, D.** (2025):
Grassland management and phenology affect trait retrieval accuracy from remote sensing observations
Ecol. Inform. **87** , art. 103068
[10.1016/j.ecoinf.2025.103068](https://doi.org/10.1016/j.ecoinf.2025.103068)
375. Ickin, E., Conquet, E., Abrahms, B., Albon, S.D., Blumstein, D.T., Bond, M.L., Boersma, P.D., Clark-Wolf, T.J., Clutton-Brock, T., Compagnoni, A., Dostálek, T., **Evers, S.M.**, Fichtel, C., Gamelon, M., García-Callejas, D., Griesser, M., Hansen, B.B., Jenouvrier, S., Jerstad, K., Kappeler, P.M., Layton-Matthews, K., Lee, D.E., Lloret, F., Loonen, M.J.J.E., Malchow, A.-K., Manser, M.B., Martin, J.G.A., Morales-González, A., Münzbergová, Z., Nater, C.R., Pillay, N., Quéroúé, M., Røstadak, O.W., Sánchez-Mejía, T., Schradin, C., Sæther, B.-E., Ozgul, A., Paniw, M. (2025):
Comparative life-cycle analyses reveal interacting climatic and biotic drivers of population responses to climate change
PNAS Nexus **4** (9), pgaf286
[10.1093/pnasnexus/pgaf286](https://doi.org/10.1093/pnasnexus/pgaf286)
376. Iglesias-Riobó, J., **Bonatelli, M.L.**, Machado-Fernández, C., Mauricio-Iglesias, M., Carballa, M. (2025):
Optimising medium chain carboxylate production in xylan mixed-culture monofermentation
Bioresour. Technol. **420** , art. 132124
[10.1016/j.biortech.2025.132124](https://doi.org/10.1016/j.biortech.2025.132124)
377. Ilahi, H., Calvo, A., Dhane, S., El Idrissi, M.M., Ouahmane, L., Alfeddy, M.N., **Reitz, T.**, Sillo, F., Balestrini, R., Mnasri, B. (2025):
Impact of bacterial inoculations on *Pisum sativum* L. biometric parameters and associated bacterial and AM fungal communities under semi-arid field conditions in Tunisia
Appl. Soil Ecol. **205** , art. 105757
[10.1016/j.apsoil.2024.105757](https://doi.org/10.1016/j.apsoil.2024.105757)
378. Ingrao, C., **Bezama, A.**, Paiano, A., **Hildebrandt, J.**, Arcidiacono, C. (2025):
A review of the key findings from the Special Issue on “Life Cycle Sustainability Analysis of Resource Recovery from Waste Management Systems in the Context of Circular Models of the Economy and the Bioeconomy”
Resources **14** (3), art. 44
[10.3390/resources14030044](https://doi.org/10.3390/resources14030044)
379. Inostroza, P.A., Jessen, G.L., Li, F., Zhang, X., **Brack, W.**, Backhaus, T. (2025):
Multi-compartment impact of micropollutants and particularly antibiotics on bacterial communities using environmental DNA at river basin-level
Environ. Pollut. **366** , art. 125487
[10.1016/j.envpol.2024.125487](https://doi.org/10.1016/j.envpol.2024.125487)

380. **Itzenhäuser, M.A.**, Enkerlin, A.M., Dewald, J.A., Avşar, B., **Stauder, R., Halpick, H., Schaale, R., Baumann, L.M., Fernandez Merayo, N., Maskow, T.,** Selim, K.A., Weinberg, C.E., **Klähn, S.** (2025):
Deciphering guanidine assimilation and riboswitch-based gene regulation in cyanobacteria for synthetic biology applications
Proc. Natl. Acad. Sci. U.S.A. **122** (49), e2519335122
[10.1073/pnas.2519335122](https://doi.org/10.1073/pnas.2519335122)
381. Ivimey-Cook, E.R., Sánchez-Tójar, A., Berberi, I., Culina, A., Roche, D.G., Almeida, R.A., Amin, B., Bairos-Novak, K.R., Harshbarger, A.E., Hovstad, K.A., Martin, J.M., Martinig, A.R., Masoero, G., Moodie, I.R., Moreau, D., O'Dea, R.E., Paquet, M., Pick, J.L., Rizvi, T., Silva, I., Szabo, B., **Takola, E.**, Thoré, E.S.J., Verberk, W.C.E.P., Windecker, S.M., Winter, G., Zajková, Z., Zeiss, R., Moran, N.P. (2025):
From policy to practice: progress towards data- and code-sharing in ecology and evolution
Proc. R. Soc. B-Biol. Sci. **292** , art. 2055
[10.1098/rspb.2025.1394](https://doi.org/10.1098/rspb.2025.1394)
382. **Izadi, P., Korth, B., Harnisch, F.** (2025):
On assessing the energy efficiency of bioelectrochemical systems for cathodic synthesis and remediation
J. Power Sources **652** , art. 237631
[10.1016/j.jpowsour.2025.237631](https://doi.org/10.1016/j.jpowsour.2025.237631)
383. Jafari, A., **Mollaali, M.**, Ma, L., Shahmansouri, A.A., Zhou, Y., Dugnani, R. (2025):
Brittle fracture strength prediction via XML with reliability considerations
Eng. Fract. Mech. **328** , art. 111555
[10.1016/j.engfracmech.2025.111555](https://doi.org/10.1016/j.engfracmech.2025.111555)
384. **Jahnke, A.**, Beck, A.J., Becker, R.L., Bedulina, D., Braun, U., Gerds, G., Hildebrandt, L., Joerss, H., Klein, O., Korduan, J., Laforsch, C., Lannig, G., Leslie, H.A., **Lips, S.**, Menger, F., Nabi, D., Oberbeckmann, S., Primpke, S., Pröfrock, D., Ramsperger, A.F.R.M., **Römerscheid, M., Schmitt-Jansen, M.**, Scholz-Böttcher, B.M., Tröppner, O., **Wendt-Potthoff, K., Kühnel, D.** (2025):
Perspective article: Multisectoral considerations to enable a circular economy for plastics
J. Hazard. Mater. **496** , art. 139326
[10.1016/j.jhazmat.2025.139326](https://doi.org/10.1016/j.jhazmat.2025.139326)

385. Jankowski, M.D., Carpenter, A.F., Harrill, J.A., Harris, F.R., Hill, B., Labiosa, R., Makarov, S.S., Martinović-Weigelt, D., **Nyffeler, J.**, Padilla, S., Shafer, T.J., Smeltz, M.G., Villeneuve, D.L. (2025):
Bioactivity of the ubiquitous tire preservative 6PPD and degradant, 6PPD-quinone in fish- and mammalian-based assays
Toxicol. Sci. **204** (2), 198 - 217
[10.1093/toxsci/kfaf008](https://doi.org/10.1093/toxsci/kfaf008)
386. Jativa, C., Lupon, A., Lannergård, E., **Ledesma, J.L.J.**, Rocher-Ros, G., Peñarroya, X., Bernal, S. (2025):
Breathing storms: Enhanced ecosystem respiration during storms in a heterotrophic headwater stream
Biogeosciences **22** (21), 6411 - 6425
[10.5194/bg-22-6411-2025](https://doi.org/10.5194/bg-22-6411-2025)
387. Jayasinghe, G.J.M.S.R., Wijekoon, P., Lakkana, T., Gunatilleke, C.V.S., Ediriweera, S., **Wiegand, T.** (2025):
Species-habitat associations in a Sri Lankan dipterocarp forest
J. Veg. Sci. **36** (4), e70049
[10.1111/jvs.70049](https://doi.org/10.1111/jvs.70049)
388. **Jean-Louis, G.**, Massenber, J.R., **Bartkowski, B.** (2025):
Data on Europe-wide public preferences for plankton-based ecosystem services and marine biodiversity from a series of Deliberative Monetary Valuation workshops
Data Brief **60**, art. 111488
[10.1016/j.dib.2025.111488](https://doi.org/10.1016/j.dib.2025.111488)
389. Jenner, A.-K., Malik, C., Böttcher, G., Roeser, P., **Gehre, M.**, Schmiedinger, I., Böttcher, M.E. (2025):
Sources and fate of dissolved sulphate, carbonate, and nitrate in groundwater of the temperate climate zone: a high-resolution multi-isotope (H, C, O, S) study in north-eastern Germany
Isot. Environ. Health Stud. **61** (1), 20 - 41
[10.1080/10256016.2025.2461474](https://doi.org/10.1080/10256016.2025.2461474)
390. **Jennings, E.K.**, Sierra Olea, M., Hübner, U., **Rodrigues Matos, R.**, **Reemtsma, T.**, **Lechtenfeld, O.J.** (2025):
Molecular level insights into recalcitrant ozonation products from effluent organic matter
Environ. Sci. Technol. **59** (1), 823 - 833
[10.1021/acs.est.4c10212](https://doi.org/10.1021/acs.est.4c10212)

391. Jensen, J., Blondeel, H., Guillemot, J., Schnabel, F., Serrano-León, H., **Auge, H.**, Baeten, L., Barsoum, N., Bauhus, J., Baum, C., Bermudez, R., Beyer, F., Brancalion, P.H.S., Cavender-Bares, J., Eisenhauer, N., Felton, A., Ferlian, O., Fiedler, S., Gebauer, T., Godbold, D.L., Hajek, P., Hall, J.S., Hölscher, D., Jactel, H., Kreft, H., Lapadat, C., MacLaren, C., Martin-StPaul, N., Meredieu, C., Mereu, S., Messier, C., Montgomery, R.A., Muys, B., Nock, C.A., Parker, J.D., Parker, W.C., Paterno, G.B., Perring, M.P., Ponette, Q., Potvin, C., Reich, P.B., Rentch, J., Rewald, B., Robin, A., Scherer-Lorenzen, M., Sandén, H., Sinacore, K., Standish, R.J., Stefanski, A., Verheyen, K., Williams, L.J., Weih, M. (2025):
Diversity in resource use strategies promotes productivity in young planted tree species mixtures
Glob. Change Biol. **31** (9), e70493
[10.1111/gcb.70493](https://doi.org/10.1111/gcb.70493)
392. **Jessen, M.-T., Roeder, A., Roscher, C.** (2025):
Intensity and timing of land use influence annual increment in growth rings of *Galium mollugo* in temperate grasslands
Ann. Bot. **136** (7), 1485 - 1496
[10.1093/aob/mcaf158](https://doi.org/10.1093/aob/mcaf158)
393. Ji, C., Fincke, T., Benson, V., Camps-Valls, G., Fernández-Torres, M.-Á., Gans, F., Kraemer, G., Martinuzzi, F., Montero, D., Mora, K., Pellicer-Valero, O.J., Robin, C., Söchtig, M., Weynants, M., **Mahecha, M.D.** (2025):
DeepExtremeCubes: Earth system spatio-temporal data for assessing compound heatwave and drought impacts
Sci. Data **12**, art. 149
[10.1038/s41597-025-04447-5](https://doi.org/10.1038/s41597-025-04447-5)
394. Ji, Q., Liu, Y., Zhang, H., Gao, Y., Ding, Y., Xie, J., Zhang, J., Jin, X., **Lai, B.**, Chen, C., Wang, J., Gao, W., Mei, K. (2025):
Structural insights into the substrate recognition of ginsenoside glycosyltransferase Pq3-O-UGT2
Adv. Sci. **12** (11), art. 2413185
[10.1002/adv.202413185](https://doi.org/10.1002/adv.202413185)
395. Jiang, C., **Roscher, C.**, Broecker, M., Ebeling, A., Wolf, J.B.W., Schielzeth, H. (2025):
Context-dependent relationships between genomic traits and plant performance in temperate grasslands
Funct. Ecol. **39** (10), 2674 - 2689
[10.1111/1365-2435.70133](https://doi.org/10.1111/1365-2435.70133)

396. Jones, L., Anderson, S., Læssøe, J., **Banzhaf, E.**, Jensen, A., Tubadji, A., Hutchins, M., Yang, J., Taylor, T., Wheeler, B.W., Fletcher, D., Tenbrink, T., Wilcox-Jones, L., Iversen, S., Sang, Å., Lin, T., Xu, Y., Lu, L., Levin, G., Zandersen, M. (2025):
Re-thinking people and nature interactions in urban nature-based solutions
Sustainability **17** (7), art. 3043
[10.3390/su17073043](https://doi.org/10.3390/su17073043)
397. **Jordan, M.**, Günther, S., Wollnik, R., Röder, L.S., Cyffka, K.-F., Karras, T., Meisel, K., Schindler, H., **Esmaceli Aliabadi, D.**, **Thrän, D.** (2025):
Scenarios for the optimal use of biomass in the future German energy and bioeconomy system until 2050
33rd European Biomass Conference and Exhibition, Valencia, Spain, 9-12 June 2025
EUBCE Proceedings
ETA-Florence Renewable Energies, Florence, p. 272 - 275
[10.5071/33rdEUBCE2025-2DO.5.2](https://doi.org/10.5071/33rdEUBCE2025-2DO.5.2)
398. Joseph, N.T., Droz, B., Schwichtenberg, T., Oetjen, K., **Sühnholz, S.**, Jones, G.D., Field, J.A., Higgins, C.P., Helbling, D.E. (2025):
Discovery of comprehensive sets of chemical constituents as markers of PFAS sources through a nontarget screening and machine learning approach
Environ. Sci. Technol. **59** (42), 22852 - 22865
[10.1021/acs.est.5c07560](https://doi.org/10.1021/acs.est.5c07560)
399. **Jurburg, S.D.** (2025):
Short read lengths recover ecological patterns in 16S rRNA gene amplicon data
Mol. Ecol. Resour. **25** (6), e14102
[10.1111/1755-0998.14102](https://doi.org/10.1111/1755-0998.14102)
400. **Jurburg, S.D.**, Arboleda-Baena, C., Xie, A., Che, R., Ge, T., Yang, Y., Cai, Y., Zhang, Y., Li, G., Sun, X. (2025):
Regional collaborative data harmonization: Building the next generation of global observations
Soil Ecol. Lett. **7** (4), art. 250354
[10.1007/s42832-025-0354-7](https://doi.org/10.1007/s42832-025-0354-7)
401. **Jurkschat, L.**, Gill, A.J., Milner, R., Holzinger, R., Evangeliou, N., Eckhardt, S., **Materić, D.** (2025):
Using a citizen science approach to assess nanoplastics pollution in remote high-altitude glaciers
Sci. Rep. **15**, art. 1864
[10.1038/s41598-024-84210-9](https://doi.org/10.1038/s41598-024-84210-9)

402. Kahnt, B., Etel, A., Jarosch, F., **Schweiger, O.**, Çelikgil, A., Theodorou, P. (2025):
Prey and prejudice: predation by the European bee-eater *Merops apiaster* has species-specific effects on the ecology and genetics of bumblebees
Oikos **2025** (8), e11177
[10.1002/oik.11177](https://doi.org/10.1002/oik.11177)
403. Kaijser, W., Musiol, M., Schneider, A.R., Prati, S., Brauer, V.S., Bayer, R., Birk, S., **Brauns, M.**, Dunne, L., Enss, J., Farias, L., Feld, C.K., Feldhaus, L., Gillmann, S.M., Hupało, K., Osakpolor, S.E., Olberg, S.L.M., Pimentel, I.M., Schäfer, R.B., Schlautmann, C., Schwelm, J., Sures, B., Wagner, C.S., Wells, N.E., Wenskus, F., Schürings, C., Hering, D. (2025):
Meta-analysis-derived estimates of stressor–response associations for riverine organism groups
Nat. Ecol. Evol. **9** (12), 2304 - 2321
[10.1038/s41559-025-02884-4](https://doi.org/10.1038/s41559-025-02884-4)
404. **Kaim, A.**, Schmitt, T.M., Annuth, S.H., Haensel, M., Koellner, T. (2025):
An agent-based model to simulate field-specific nitrogen fertilizer applications in grasslands
Eur. J. Agron. **165** , art. 127539
[10.1016/j.eja.2025.127539](https://doi.org/10.1016/j.eja.2025.127539)
405. Kaiser, S., **Wang, W.**, **Buchwald, J.**, **Naumov, D.**, Chaudhry, A.A., **Nagel, T.** (2025):
Differential assessment of effects of increasing model complexity in THM coupled models of the FE experiment at Mt. Terri
Geomech. Energy Environ. **42** , art. 100637
[10.1016/j.gete.2025.100637](https://doi.org/10.1016/j.gete.2025.100637)
406. Kakavas, D., **Engelmann, B.**, **Krauss, M.**, **Rolle-Kampczyk, U.E.**, Rochfort, K.D., Grintzalis, K. (2025):
Excreted metabolite nanocoronas impact metabolic and toxicity responses of daphnids to silver nanoink
Environ. Res. **283** , art. 122131
[10.1016/j.envres.2025.122131](https://doi.org/10.1016/j.envres.2025.122131)
407. Kaminsky, E., Griebler, C., Englisch, C., Steiner, C., Formanek, C., Buga-Nyéki, E., **Knoeller, K.**, Laaha, G., Sandén, H., Stumpp, C. (2025):
Recharge and redox processes drive urban groundwater quality in Vienna’s shallow aquifers
J. Hydrol. **662, Part A** , art. 133931
[10.1016/j.jhydrol.2025.133931](https://doi.org/10.1016/j.jhydrol.2025.133931)

408. **Kas, A., Izadi, P.,** Dinges, I., Stöckl, M., **Harnisch, F.** (2025):
Gas diffusion electrodes enable enhanced energy efficiency of electrochemical CO₂ reduction in natural brine-inspired electrolytes
J. CO₂ Util. **102** , art. 103268
[10.1016/j.jcou.2025.103268](https://doi.org/10.1016/j.jcou.2025.103268)
409. Kasiske, T., Klimek, S., Dauber, J., **Harpke, A., Kühn, E.,** Levers, C., Schwieder, M., **Settele, J.,** Sietz, D., Tetteh, G.O., **Musche, M.** (2025):
Identifying typical patterns of land-use and landscape structure in citizen science butterfly monitoring
Ecol. Indic. **180** , art. 114317
[10.1016/j.ecolind.2025.114317](https://doi.org/10.1016/j.ecolind.2025.114317)
410. **Kasmanas, J.C., Magnúsdóttir, S.,** Zhang, J., Smalla, K., Schloter, M., Stadler, P.F., de Carvalho, A.C.P.L.F., **Nunes da Rocha, U.** (2025):
Integrating comparative genomics and risk classification by assessing virulence, antimicrobial resistance, and plasmid spread in microbial communities with gSpreadComp
GigaScience **14** , giaf072
[10.1093/gigascience/giaf072](https://doi.org/10.1093/gigascience/giaf072)
411. Kästner, F., Kuester, T., **Feilhauer, H.,** Sut-Lohmann, M. (2025):
Monitoring nickel and zinc accumulation in phytoremediation plants using spectroscopy and spectral indices: a pot study with *Brassica juncea* (Indian Mustard)
Int. J. Remote Sens. **46** (9), 3618 - 3641
[10.1080/01431161.2025.2487249](https://doi.org/10.1080/01431161.2025.2487249)
412. Keese, H., Rothschink, J., Stelzer, O., **Nagel, T.** (2025):
Transient hydro-mechanical analyses of column experiments on wave-induced soil liquefaction
Comput. Geotech. **185** , art. 107321
[10.1016/j.compgeo.2025.107321](https://doi.org/10.1016/j.compgeo.2025.107321)
413. Keim, P.-M., Greimel, E., Feldmann, L., Piechaczek, C.E., Harris, C.P., Flexeder, C., Berdel, B., von Berg, A., Koletzko, S., Bauer, C.-P., Schikowski, T., **Herberth, G.,** Heinrich, J., Schulte-Körne, G., Standl, M. (2025):
Prospective association between psychopathological symptoms in childhood and asthma in adolescence: Results from the GINIplus and LISA birth cohort studies
Pediatr. Allergy Immunol. **36** (7), e70151
[10.1111/pai.70151](https://doi.org/10.1111/pai.70151)

414. Kempel, A., Adamidis, G.C., Anadón, J.D., Atkinson, J., **Auge, H.**, Avtzis, D., Bachelot, B., Bashirzadeh, M., Bota, J.L., Classen, A., Constantinou, I., Crawley, M., De Bellis, T., Dostal, P., Ebeling, A., Eisenhauer, N., Eldridge, D.J., Encina, G., Estrada, C., Everingham, S., Fanin, N., Feng, Y., Gaspar, M., Gooriah, L., Graff, P., Gusmán Montalván, E., Gusmán Montalván, P., Hartke, T.R., Huang, L., Jochum, M., Kaljund, K., Karmiris, I., Koorem, K., **Korell, L.**, Laine, A.-L., Le Provost, G., Lessard, J.-P., Liu, M., Liu, X., Liu, Y., Llancabure, J., Loïez, S., Loydi, A., Marrero, H., Gockel, S., Montoya, A., Münzbergová, Z., Niu, Y., Ott, D., Oyarzabal, M., Panitsa, M., Papatheodorou, E., Piper, F.I., Püssa, K., Rand, K., Saiz, H., Sanders, N.J., **Schädler, M.**, Scherber, C., Semchenko, M., Sepp, S.-K., Shah, M.A., Shaheen, I., Stein, C., Stewart, J., Tang, Z., Tschan, G., Van Nouhuys, S., Vandegehuchte, M.L., Vernon, M., V.R., S., Wang, J., Xiao, Y., Xystrakis, F., Yang, J., Yang, S., Zografou, K., Allan, E. (2025):
The Bug-Network (BugNet): A global experimental network testing the effects of invertebrate herbivores and fungal pathogens on plant communities and ecosystem function in open ecosystems
Ecol. Evol. **15** (10), e72111
[10.1002/ece3.72111](https://doi.org/10.1002/ece3.72111)
415. Kempf, K., **Kümmel, S.**, **Gehre, M.**, Kempf, O., Steinberg, P., Molkentn, J., Münch, S., Jira, W. (2025):
A comprehensive view on the fate of ¹⁵N isotope-labeled nitrite in model systems for cured and heated sausages
Food Chem. **493**, Part 2 , art. 145755
[10.1016/j.foodchem.2025.145755](https://doi.org/10.1016/j.foodchem.2025.145755)
416. Khaliq, S., **Schlenker, A.**, **Kümmel, S.**, Höhn, D., Jochmann, M.A., Kerpen, K., **Fink, P.**, **Weitere, M.**, Schmidt, T.C. (2025):
Spatial and temporal patterns of *Gammarus* sp. in lowland streams analyzed through amino acid isotope analysis
Int. Rev. Hydrobiol. **110** (2), 151 - 165
[10.1002/iroh.70024](https://doi.org/10.1002/iroh.70024)
417. **Khan, M.I.**, Farooq, Q., Ali, M., Ali, M.H., Naveed, M. (2025):
Integrated effects of microbial culture and nitrogen application on phytoremediation, physiology and growth of maize in glyphosate-contaminated soil
Int. J. Phytoremediat. **27** (7), 991 - 1003
[10.1080/15226514.2025.2464625](https://doi.org/10.1080/15226514.2025.2464625)
418. **Khan, T.**, de Koning, K., Endresen, D., Chala, D., Kusch, E. (2025):
TwinEco: A unified framework for dynamic data-driven digital twins in ecology
Ecol. Inform. **91** , art. 103407
[10.1016/j.ecoinf.2025.103407](https://doi.org/10.1016/j.ecoinf.2025.103407)

419. **Kholis, A., Kalbacher, T., Rakovec, O., Boeing, F., Cuntz, M., Samaniego, L.** (2025):
Evaluating Richards equation and infiltration capacity approaches in mesoscale hydrologic modelling
Water Resour. Res. **61** (8), e2024WR039625
[10.1029/2024WR039625](https://doi.org/10.1029/2024WR039625)
420. Kičić, M., Scheuer, S., Korpilo, S., Vuletić, D., Seletković, A., **Haase, D.**, Krajter Ostoić, S. (2025):
Relationships between urban green space types, cultural ecosystem services and disservices - a Public Participation Geographic Information System study in Zagreb, Croatia
Sci. Total Environ. **981**, art. 179549
[10.1016/j.scitotenv.2025.179549](https://doi.org/10.1016/j.scitotenv.2025.179549)
421. Kim, B.-C. R., **Kleinsteuber, S.**, Lawson, C.E. (2025):
Carbon-efficient waste upcycling: combining syngas fermentation and chain elongation with synthetic consortia
Curr. Opin. Biotechnol. **94**, art. 103321
[10.1016/j.copbio.2025.103321](https://doi.org/10.1016/j.copbio.2025.103321)
422. **Kiszkurno, F.K., Buchwald, J.**, Silbermann, C.B., **Kolditz, O., Nagel, T.** (2025):
Is more always better? Study on uncertainties introduced by decision-making process of model design — A case study with thermo-osmosis
Int. J. Rock Mech. Min. Sci. **189**, art. 106075
[10.1016/j.ijrmms.2025.106075](https://doi.org/10.1016/j.ijrmms.2025.106075)
423. **Klaes, S., White, C.**, Alvarez-Cohen, L., **Adrian, L., Ding, C.** (2025):
De novo peptide databases enable protein-based stable isotope probing of microbial communities with up to species-level resolution
Environ. Microbiome **20**, art. 111
[10.1186/s40793-025-00767-6](https://doi.org/10.1186/s40793-025-00767-6)
424. Kleemann, K., Jaggi, M., Bernasconi, S.M., Schmitz, R.A., Künkel, A., **Simon, C.**, McNeill, K., Battagliarin, G., Sander, M. (2025):
Photochemical chain scissions enhance polyethylene glycol biodegradability: from probabilistic modeling to experimental demonstration
Environ. Sci. Technol. **59** (33), 17773 - 17784
[10.1021/acs.est.5c03567](https://doi.org/10.1021/acs.est.5c03567)

425. Kleineidam, K., Böttcher, J., Butterbach-Bahl, K., Dannenmann, M., Dittert, K., Dörsch, P., Fiedler, S., Frosch, T., Grosz, B., Henjes, S., Horn, M.A., Ippisch, O., Jansen-Willems, A., Kaiser, K., Kempe, M., Köster, J.R., Kraus, D., **Geers-Lucas, M.**, Malique, F., Matson, A., Merian, A., Mikutta, R., Müller, C.W., Ramm, E., **Rohe, L.**, Rummel, P.S., Scheer, C., Schimpf, C.M., **Schlüter, S.**, Schulze, J., Surey, R., Tenspolde, A., van Dijk, H., **Vogel, H.-J.**, Well, R., Wrage-Mönnig, N., Yankelzon, I., Zawallich, J., Müller, C. (2025): Denitrification in Agricultural Soils – Integrated control and Modelling at various scales (DASIM)
Biol. Fert. Soils **61** (3), 329 - 342
[10.1007/s00374-025-01894-5](https://doi.org/10.1007/s00374-025-01894-5)
426. **Koch, V.P., Bolte, L., Harms, W., Henle, K., Grimm-Seyfarth, A.** (2025): Wildlife detection dogs effectively survey a terrestrial amphibian, but differ among individuals, weather and habitat
Ecol. Solut. Evid. **6** (2), e70062
[10.1002/2688-8319.70062](https://doi.org/10.1002/2688-8319.70062)
427. **Köck, W.** (2025): Kohärenz gesetzlicher Rahmenbedingungen für eine sozial-ökologische Transformation des Naturschutzes [Legal framework conditions for a social-ecological transformation of nature conservation]
Nat. Landsch. **100** (6), 272 - 277
[10.19217/NuL2025-06-06](https://doi.org/10.19217/NuL2025-06-06)
428. **Köck, W.** (2025): Naturschutzrecht in Deutschland [Nature conservation legislation in Germany]
Geographische Rundschau **2025** (1-2), 10 - 14
429. Köhler, L., Masson, T., **Han, S., Kuhlicke, C.** (2025): Polarization in flood risk management? Sensitivity of norm perception and responsibility attribution to frequent flood experience
Nat. Hazards Earth Syst. Sci. **25** (12), 4983 - 5015
[10.5194/nhess-25-4983-2025](https://doi.org/10.5194/nhess-25-4983-2025)
430. Köhler, M., Castro Sánchez-Bermejo, P., Hähn, G., Ferlian, O., Eisenhauer, N., **Wubet, T.**, Haider, S., Bruehlheide, H. (2025): Foliar endophytic fungal communities are driven by leaf traits—evidence from a temperate tree diversity experiment
Ecol. Evol. **15** (7), e71691
[10.1002/ece3.71691](https://doi.org/10.1002/ece3.71691)

431. Köhler, M., Hähn, G., Kanitz, M., Ferlian, O., Eisenhauer, N., **Wubet, T.**, Bruelheide, H. (2025):
The effects of tree diversity and neighborhood on phyllosphere fungal communities
Fungal Ecol. **76**, art. 101440
[10.1016/j.funeco.2025.101440](https://doi.org/10.1016/j.funeco.2025.101440)
432. Kohlhaas, R., Hommel, J., **Weinhardt, F.**, Class, H., Oladyshkin, S., Flemisch, B. (2025):
Numerical investigation of preferential flow paths in enzymatically induced calcite precipitation supported by Bayesian model analysis
Transp. Porous Media **152** (12), art. 105
[10.1007/s11242-025-02240-x](https://doi.org/10.1007/s11242-025-02240-x)
433. Köhli, M., **Schrön, M.**, **Zacharias, S.**, Schmidt, U. (2025):
URANOS - a novel voxel engine Neutron Transport Monte-Carlo Simulation
J. Phys.: Conf. Ser. **3130** (1), art. 012017
[10.1088/1742-6596/3130/1/012017](https://doi.org/10.1088/1742-6596/3130/1/012017)
434. **Kolditz, O.**, McDermott, C., Yoon, J.S., **Mollaali, M.**, **Wang, W.**, Hu, M., Sasaki, T., Rutqvist, J., Birkholzer, J., Park, J.-W., Park, C.-H., Liu, H., Pan, P.-Z., **Nagel, T.**, Nguyen, S., Kwon, S., Lee, C., Kim, K.-I., Bond, A., Hadgu, T., Wang, Y., Zhuang, L., Yoshioka, K., Benitez Cunha, G., Fraser-Harris, A. (2025):
A systematic model- and experimental approach to hydro-mechanical and thermo-mechanical fracture processes in crystalline rocks
Geomech. Energy Environ. **41**, art. 100616
[10.1016/j.gete.2024.100616](https://doi.org/10.1016/j.gete.2024.100616)
435. **Kolditz, O.**, Zheng, Y., Ma, Y., Kolditz, B., Dörhöfer, G., LaMoreaux, J.W. (2025):
Environmental earth sciences
Environ. Earth Sci. **84**, art. 550
[10.1007/s12665-025-12601-w](https://doi.org/10.1007/s12665-025-12601-w)
436. **Kong, X.-Z.**, Wang, Z.-Y., Wang, H.-J., Gui, J.-F. (2025):
Harmonizing biodiversity, environment, and economy: A coordinative framework for aquatic conservation
The Innovation **6** (12), art. 101071
[10.1016/j.xinn.2025.101071](https://doi.org/10.1016/j.xinn.2025.101071)
437. König Kardgar, A., **Carmona, E.**, Karlsson, T.M., Brosché, S., Carney Almroth, B. (2025):
Effects of leachates from black recycled polyethylene plastics on mRNA expression of genes involved in adipogenesis and endocrine pathways in zebrafish embryos
J. Hazard. Mater. **495**, art. 138946
[10.1016/j.jhazmat.2025.138946](https://doi.org/10.1016/j.jhazmat.2025.138946)

438. **Köpke, J.**, Bayarsaikhan, U., **Adrian, L.**, Jekel, M., Ruhl, A.S. (2025):
Leaf litter material limits the elimination of organic micropollutants in
redox-differentiated lab-scale bank filtration columns
Sci. Total Environ. **993** , art. 179979
[10.1016/j.scitotenv.2025.179979](https://doi.org/10.1016/j.scitotenv.2025.179979)
439. Kørnøv, L., Ravn Boess, E., Eliassen, S.Q., Larsen, S.V., **Locher-Krause, K.E.**, **Zhu, Y.**,
Wittmer, H., Borges Laporta, L., Geneletti, D., Monteiro, M.B., Partidario, M.R. (2025):
Beyond compliance: Enhancing biodiversity through transformative mitigation strategies
in spatial planning related SEAs and EIAs
Environ. Impact Assess. Rev. **114** , art. 107960
[10.1016/j.eiar.2025.107960](https://doi.org/10.1016/j.eiar.2025.107960)
440. Kortz, A., Hejda, M., Čuda, J., Pattison, Z., Brůna, J., Novoa, A., Pergl, J., Pipek,
P., Štajerová, K., Anastasiu, P., Ansong, M., Arianoutsou, M., Barcelona, J.F.,
Bhatta, S., Bordbar, F., Borokini, I., Celesti-Grapow, L., Chacón-Madrigal, E.,
Dawson, W., Dorjee, , Essl, F., Ferrufino-Acosta, L., Figueiredo, E., Flores, R.,
Fried, G., Fuentes, N., Galán, P., Gilli, C., Glaser, M., Grande Allende, J.R.,
Gudžinskas, Z., Holmes, R., Hulme, P.E., Inderjit, , Kang, E.S., Kreft, H., Krix,
D.W., **Kühn, I.**, Lopez, O., MacVean, A., Makhkamov, T., Marchante, E., Marchante, H.,
Maroyi, A., Meddour, R., Meerts, P., Mukul, S.A., Murray, B.R., Murray, M.L., Nickrent,
D.L., Norman, P.E., Omer, A., Patzelt, A., Pelser, P.B., Pino, J., Riera, M., Rodríguez
Delcid, D., Rojas-Sandoval, J., Rotchés-Ribalta, R., Ruiz-Cruz, J.Y.S., Senator, S.,
Sennikov, A.N., Shrestha, B.B., Smith, G.F., Sohrabi, S., Tokarska-Guzik, B., van
Kleunen, M., Vilà, M., Wagner, V., Weigelt, P., Winter, M., Yazlık, A., Zykova, E.,
Pyšek, P. (2025):
A global synthesis of naturalised and invasive plants in aquatic habitats
NeoBiota **102** , 473 - 494
[10.3897/neobiota.102.151156](https://doi.org/10.3897/neobiota.102.151156)
441. **Kotze, S.**, **Goss, K.-U.**, **Ebert, A.** (2025):
Classifying effluxable versus non-effluxable compounds using a permeability threshold
based on fundamental energy constraints
Pharmaceutics **17** (11), art. 1455
[10.3390/pharmaceutics17111455](https://doi.org/10.3390/pharmaceutics17111455)
442. Koukianaki, E.A., Lilli, M.A., Efstathiou, D., Matthews, B., Knaebel, K., Pröll, G.,
Kobler, J., Dirnböck, T., Bäck, J., **Mirtl, M.**, Nikolaidis, N.P. (2025):
Modeling soil functions of forested ecosystems
J. Environ. Manage. **386** , art. 125636
[10.1016/j.jenvman.2025.125636](https://doi.org/10.1016/j.jenvman.2025.125636)

443. Krach, D., **Weinhardt, F.**, Wang, M., Schneider, M., Class, H., Steeb, H. (2025):
A novel geometry-informed drag term formulation for pseudo-3D Stokes simulations
with varying apertures
Adv. Water Resour. **195**, art. 104860
[10.1016/j.advwatres.2024.104860](https://doi.org/10.1016/j.advwatres.2024.104860)
444. **Krausser, K., Howanski, J., Fink, B., Bauer, M., Fischer, F., Romanelli, F., Zenclussen, A.C., Schumacher, A.** (2025):
The endocrine-disrupting chemical benzophenone-3 in concentrations ranging from 0.001
to 10 µM does not affect the human decidualization process in an in vitro setting
Int. J. Mol. Sci. **26** (19), art. 9314
[10.3390/ijms26199314](https://doi.org/10.3390/ijms26199314)
445. Kreibich, H., Sivapalan, M., AghaKouchak, A., Addor, N., Aksoy, H., Arheimer, B.,
Arnbjerg-Nielsen, K., Vail-Castro, C., Cudennec, C., **de Brito, M.M.**, Di Baldassarre, G.,
et al. (2025):
Panta Rhei: a decade of progress in research on change in hydrology and society
Hydrol. Sci. J.-J. Sci. Hydrol. **70** (7), 1210 - 1236
[10.1080/02626667.2025.2469762](https://doi.org/10.1080/02626667.2025.2469762)
446. **Kretschmer, T., Krieger, E., Fischer, F., Rödiger, J., Howanski, J., Wagner, M., Romanelli, F., Fink, B., Bauer, M., Schumacher, A., Zenclussen, A.** (2025):
Implications of a combined perinatal exposure to BPA and BP-3 for offspring gonadal
function and reproductive health in mice
Hum. Reprod. **40** (S1), deaf097936
[10.1093/humrep/deaf097.936](https://doi.org/10.1093/humrep/deaf097.936)
447. **Kretschmer, T.**, Turnwald, E.-M., Thiele, A., Kallage, C., Neweling, L., Kammerer, M.,
Janoschek, R., Zentis, P., Handwerk, M., Wohlfarth, M., Kalis, S., Nüsken, E., Nüsken,
K.-D., Bae-Gartz, I., Köninger, A., Gellhaus, A., Gründemann, D., Hucklenbruch-Rother,
E., Dötsch, J., Alcazar, M.A.A., Appel, S. (2025):
Maternal body composition and the placental-fetal unit under maternal high-fat feeding
partially improve by metformin treatment or lifestyle interventions during pregnancy in a
mouse model
Placenta **171**, 91 - 101
[10.1016/j.placenta.2025.09.016](https://doi.org/10.1016/j.placenta.2025.09.016)
448. **Kreuer, D., Stubenrauch, J., Bortic, F., Schwarzer, D., Berghöfer, A., Wittmer, H.**
(2025):
From crisis to transformation: Exploring pathways for German forest policy
People Nat. **7** (12), 3344 - 3356
[10.1002/pan3.70200](https://doi.org/10.1002/pan3.70200)

449. **Krieger, E., Fischer, F., Howanski, J., Wagner, M., Romanelli, F., Fink, B., Bauer, M., Schumacher, A., Kretschmer, T., Zenclussen, A.C.** (2025):
Implications of a combined perinatal exposure to BPA and BP-3 for offspring folliculogenesis and ovarian function in mice
Ecotox. Environ. Safe. **302**, art. 118750
[10.1016/j.ecoenv.2025.118750](https://doi.org/10.1016/j.ecoenv.2025.118750)
450. Kronstein-Wiedemann, R., Thiel, J., Brändle, D., Sürün, D., Teichert, M., Künzel, S.R., **Schubert, K.**, Friedrich, U., Dahl, A., Buchholz, F., Hölig, K., Tonn, T. (2025):
Restoration of actin network dynamics by scinderin knockout in immortalized erythroid cells plays a key role in effective blood pharming
Cytotherapy **27** (5), S97
[10.1016/j.jcyt.2025.03.186](https://doi.org/10.1016/j.jcyt.2025.03.186)
451. Krupka, S., **Aldehoff, A.S., Goerdeler, C., Engelmann, B., Rolle-Kampczyk, U., Schubert, K.**, Klötting, N., **von Bergen, M.**, Blüher, M. (2025):
Metabolic and molecular characterization, following dietary exposure to DINCH, reveals new implications for its role as a metabolism-disrupting chemical
Environ. Int. **196**, art. 109306
[10.1016/j.envint.2025.109306](https://doi.org/10.1016/j.envint.2025.109306)
452. **Kuchenbuch, A., Al-Sbei, S., Rosa, L.F.M., Boto, S.T., Westermann, M., Rosenbaum, M.A., Harnisch, F.** (2025):
Reducing oxygen stress and improving hydrogen availability boosts microbial electrosynthesis by *Clostridium ljungdahlii*
ChemSusChem **18** (21), e202501118
[10.1002/cssc.202501118](https://doi.org/10.1002/cssc.202501118)
453. **Kuchenbuch, A., Al-Sbei, S., Rosa, L.F.M., Boto, S.T., Westermann, M., Rosenbaum, M.A., Harnisch, F.** (2025):
Cover Feature: Reducing oxygen stress and improving hydrogen availability boosts microbial electrosynthesis by *Clostridium ljungdahlii* (ChemSusChem 21/2025)
ChemSusChem **18** (21), e70262
[10.1002/cssc.70262](https://doi.org/10.1002/cssc.70262)
454. **Kühn, I., Hecht, C., Herzsuh, U., Scherler, D.** (2025):
Introducing a glacier forefield monitoring site network to understand succession in the Northern Limestone Alps
Web Ecol. **25** (2), 157 - 168
[10.5194/we-25-157-2025](https://doi.org/10.5194/we-25-157-2025)

455. Kumar, A., Gosling, S.N., Johnson, M.F., Jones, M.D., Nkwasa, A., Koutroulis, A., Müller Schmied, H., Li, H-Y., Kim, H., Hanasaki, N., **Kumar, R.**, Thiery, W., Pokhrel, Y. (2025):
Cascading droughts: Exploring global propagation of meteorological to hydrological droughts (1971–2001)
Sci. Total Environ. **979**, art. 179486
[10.1016/j.scitotenv.2025.179486](https://doi.org/10.1016/j.scitotenv.2025.179486)
456. **Kumar, R., Samaniego, L., Thober, S., Rakovec, O., Marx, A.,** Wanders, N., Pan, M., **Hesse, F., Attinger, S.** (2025):
Multi-model assessment of groundwater recharge across Europe under warming climate
Earth Future **13** (1), e2024EF005020
[10.1029/2024ef005020](https://doi.org/10.1029/2024ef005020)
457. Kumari, S., Tessema, T.T., Husamaldin, L., **Gupta, S.K.**, Cox, P., Mortimer, D., Benedetto, A., Tosti, F. (2025):
Resilient cities and urban green infrastructure – nexus between remote sensing and sustainable development
Engineering Proceedings **94** (1), art. 8
[10.3390/engproc2025094008](https://doi.org/10.3390/engproc2025094008)
458. **Kümmel, S.,** Ottosen, C.F., Olsson, M.E., Broholm, M.M., Bjerg, P.L., **Richnow, H.H.** (2025):
Development of a ¹³C and ³⁴S isotope analysis method for sulfadimidine and its potential to trace contaminant transformation in groundwater systems
Anal. Chem. **97** (7), 4014 - 4020
[10.1021/acs.analchem.4c05625](https://doi.org/10.1021/acs.analchem.4c05625)
459. Kunze, C., **Bahlburg, D.,** Urrutia-Cordero, P., Striebel, M., Kelpsiene, E., Langenheder, S., Donohue, I., Hillebrand, H. (2025):
Partitioning species contributions to ecological stability in disturbed communities
Ecol. Monogr. **95** (1), e1636
[10.1002/ecm.1636](https://doi.org/10.1002/ecm.1636)
460. **Küster, E., Addo, G.G., Aulhorn, S., Kühnel, D.** (2025):
Miniaturisation of the *Daphnia magna* immobilisation assay for the reliable testing of low volume samples
UCL Open Environ. **7** (1), art. 3037
[10.14324/111.444/ucloe.3037](https://doi.org/10.14324/111.444/ucloe.3037)
461. Labohm, B., **Wolff, M., Haase, D.** (2025):
Integration of high-resolution data for a complementary assessment of forest dynamics in Europe
MethodsX **14**, art. 103303
[10.1016/j.mex.2025.103303](https://doi.org/10.1016/j.mex.2025.103303)

462. Ladouceur, E., Wohlwend, M., Schutzenhofer, M.R., Chase, J.M., **Knight, T.M.** (2025): Invasion timing affects multiple scales, metrics, and facets of biodiversity outcomes in ecological restoration experiments
Ecol. Appl. **35** (4), e70062
[10.1002/eap.70062](https://doi.org/10.1002/eap.70062)
463. Lagisz, M., Bairos-Novak, K.R., Martinig, A.R., Bertram, M.G., Mizuno, A., Sabet, S.S., Paquet, M., Santana, M.S., Thoré, E.S.J., Trubanová, N., Rutkowska, J., Orr, J.A., **Takola, E.**, Yang, Y., Pottier, P., Gomes, D.G.E., Chan, Y.-C., Xian, Z., Akogwu, C.O., Drobniak, S.M., Nakagawa, S. (2025): Priced out of belonging? Insufficient concessions on membership fees across international societies in ecology and evolution
Proc. R. Soc. B-Biol. Sci. **292** (2040), art. 20241430
[10.1098/rspb.2024.1430](https://doi.org/10.1098/rspb.2024.1430)
464. Lalechère, E., Lenoir, J., Marrec, R., Essl, F., **Kühn, I.**, Ergon, T. (2025): Assessing biodiversity trends in a quasi-permanent non-equilibrium state
Trends Ecol. Evol. **40** (10), 949 - 959
[10.1016/j.tree.2025.07.003](https://doi.org/10.1016/j.tree.2025.07.003)
465. Lambertucci, S.A., Frantzeskaki, N., Villasante, S., Wickson, F., **Zinngrebe, Y.**, Reyes-García, V., Bennett, E., O'Brien, K., Calderón-Contreras, R., Liao, C., Garibaldi, L.A., Shannon, L., Singh, P.K., Smith, P., Leventon, J., Ley, D., Ricketts, T.H., Hayman, D.T.S., Gosnell, H., McElwee, P., Biggs, R., Carr, E.R., Agrawal, A. (2025): Supporting researchers' engagement in international science-policy bodies
Nat. Sustain. **8** (9), 982 - 985
[10.1038/s41893-025-01612-x](https://doi.org/10.1038/s41893-025-01612-x)
466. Lange-Enyedi, N.T., Tóth, E., **Abbaszade, G.**, Németh, P., Garvie, L.A.J., Wolf, J., Neumann-Schaal, M., Khayer, B., Sipos, G., Makk, J. (2025): *Pseudogemmobacter sonorensis* sp. nov., a new alphaproteobacterium isolated from the slime flux of a tree (*Populus fremontii*) in the Sonoran Desert (Arizona, USA)
Int. J. Syst. Evol. Microbiol. **75** (7), art. 006859
[10.1099/ijsem.0.006859](https://doi.org/10.1099/ijsem.0.006859)

467. Lanuza, J.B., **Knicht, T.M.**, Montes-Perez, N., **Glenny, W.**, Acuña, P., Albrecht, M., Artamendi, M., Badenhausser, I., Bennett, J.M., Biella, P., Bommarco, R., Cappellari, A., Castro, S., Clough, Y., Colom, P., Costa, J., Cyrille, N., de Manincor, N., Dominguez-Lapido, P., **Dominik, C.**, Dupont, Y.L., **Feldmann, R.**, Felten, E., Ferrero, V., Fiordaliso, W., Fisogni, A., FitzPatrick, Ú., Galloni, M., Gaspar, H., Gazzea, E., Goia, I., Gómez-Martínez, C., González-Estévez, M.A., González-Varo, J.P., Grass, I., Hadrava, J., Hautekèete, N., Hederström, V., Heleno, R., Hervias-Parejo, S., **Heuschele, J.M.**, Hoiss, B., Holzschuh, A., Hopfenmüller, S., Iriondo, J.M., Jauker, B., Jauker, F., Jersáková, J., Kallnik, K., Karise, R., Kleijn, D., **Klotz, S.**, Krausl, T., **Kühn, E.**, Lara-Romero, C., Larkin, M., Laurent, E., Lázaro, A., Librán-Embid, F., **Liu, Y.**, Lopes, S., López-Núñez, F., Loureiro, J., Magrach, A., Mänd, M., Marini, L., Beltran Mas, R., Massol, F., Maurer, C., Michez, D., Molina, F.P., Morente-López, J., Mullen, S., Nakas, G., Neuenkamp, L., Nowak, A., O'Connor, C.J., O'Rourke, A., Öckinger, E., Olesen, J.M., Opedal, Ø.H., Petanidou, T., Piquot, Y., Potts, S.G., Power, E.F., Proesmans, W., **Rakosy, D.**, Reverté, S., Roberts, S.P.M., Rundlöf, M., Russo, L., Schatz, B., Scheper, J., **Schweiger, O.**, Serra, P.E., Siopa, C., Smith, H.G., Stanley, D., **Ştefan, V.**, Steffan-Dewenter, I., Stout, J.C., Sutter, L., **Motivans Švara, E.**, Świerszcz, S., Thompson, A., Traveset, A., Trefflich, A., Tropek, R., Tschardtke, T., Vanbergen, A.J., Vilà, M., Vujić, A., White, C., Wickens, J.B., Wickens, V.B., Winsa, M., Zoller, L., Bartomeus, I. (2025): EuPPollNet: a European database of plant-pollinator networks
Glob. Ecol. Biogeogr. **34** (2), e70000
[10.1111/geb.70000](https://doi.org/10.1111/geb.70000)
468. Lappalainen, H.K., Baklanov, A., Bäck, J., Arvanitidis, C., Basart, S., Bernier, N., Berod, D., Bornman, T., Buttigieg, P.L., Carmichael, G., Dañobeitia, J., de Roeck, Y.-H., Dey, S., Gerasopoulos, E., Feig, G., Gani, S., Graves, H., Häme, S., Juurola, E., Klausen, J., Laj, P., Lefer, B., Loescher, H.W., **Mirtl, M.**, Morris, B., Muraoka, H., Noda, H.M., Paton-Walsh, C., Pade, N., Petzold, A., Salmon, E., Schaap, D., Scory, S., Achuta Rao, K., Rathore, J., Steinbacher, M., **Teutsch, G.**, Vermeulen, A., Yu, X., **Zacharias, S.**, Zhang, L., Petäjä, T., Luterbacher, J., Hannigan, J.W., Kulmala, M. (2025): Towards a Global Ground-Based Earth Observatory (GGBEO): Leveraging existing systems and networks
Big Earth Data **9** (4), 615 - 650
[10.1080/20964471.2025.2574174](https://doi.org/10.1080/20964471.2025.2574174)
469. Larsson, Y., **Nikolausz, M.**, Kisielius, V., Møller, H.B., Gosewinkel, U., Bester, K. (2025): Metabolic pathways for biotransformation of benzalkonium compounds in fungal- and bacteria-based biofilm reactors
J. Hazard. Mater. **496**, art. 139494
[10.1016/j.jhazmat.2025.139494](https://doi.org/10.1016/j.jhazmat.2025.139494)

470. Larsson, Y., **Nikolausz, M.**, Møller, H.B., Bester, K. (2025):
Removal of antibiotic and disinfectant compounds from digested pig manure by an aerobic hybrid biofilm process
Sci. Total Environ. **982**, art. 179600
[10.1016/j.scitotenv.2025.179600](https://doi.org/10.1016/j.scitotenv.2025.179600)
471. **Lausch, A., Bumberger, J.**, Jung, A., Pause, M., **Selsam, P.**, Zhou, T., Herzog, F. (2025):
Monitoring agricultural land use intensity with remote sensing and traits
Agriculture **15** (21), art. 2233
[10.3390/agriculture15212233](https://doi.org/10.3390/agriculture15212233)
472. **Lausch, A., Selsam, P.**, Heege, T., von Trentini, F., Almeroth, A., Borg, E., **Klenke, R., Bumberger, J.** (2025):
Monitoring and modelling landscape structure, land use intensity and landscape change as drivers of water quality using remote sensing
Sci. Total Environ. **960**, art. 178347
[10.1016/j.scitotenv.2024.178347](https://doi.org/10.1016/j.scitotenv.2024.178347)
473. Lauterbach, M., Adam, J., **Bolte, L.**, Paule, S., Reinhardt, T. (2025):
On the occurrence of a golden colour variant in the Common Spadefoot Toad, *Pelobates fuscus* (Laurenti, 1768), in the state of Saxony, Germany
Herpetology Notes **18**, 941 - 946
474. **Ledesma, J.L.J., Musolff, A.**, Sponseller, R.A., Lupon, A., Peñarroya, X., Jativa, C., Bernal, S. (2025):
The riparian zone controls headwater hydrology and biogeochemistry, doesn't it? Reassessing linkages across European ecoregions
Glob. Biogeochem. Cycles **39** (2), e2024GB008250
[10.1029/2024gb008250](https://doi.org/10.1029/2024gb008250)
475. **Lehmann, J.**, Yazbeck, A., **Hackermüller, J., Canzler, S.** (2025):
An extended miRNA repertoire in *Rattus norvegicus*
Front. Bioinform. **5**, art. 1545680
[10.3389/fbinf.2025.1545680](https://doi.org/10.3389/fbinf.2025.1545680)
476. **Lehmann, P., Köck, W., Gawel, E., Geiger, C., Rheinschmitt, C., Schaffner, S.** (2025):
Ausbau erneuerbarer Energien und räumliche Verteilungsgerechtigkeit: Eine juristisch-ökonomische Bewertung regulatorischer Handlungsoptionen
Nat. Recht **47**, 509 - 521
[10.1007/s10357-025-4571-8](https://doi.org/10.1007/s10357-025-4571-8)

477. **Lehneis, R.** (2025):
The electricity generation landscape of bioenergy in Germany
Energies **18** (6), art. 1497
[10.3390/en18061497](https://doi.org/10.3390/en18061497)
478. **Lehneis, R.** (2025):
Effects of climate change on wind power generation: A case study for the German Bight
Energies **18** (13), art. 3287
[10.3390/en18133287](https://doi.org/10.3390/en18133287)
479. Leiter, N., Wohlschläger, M., Versen, M., Harter, S.D., Kießlich, T., Lederer, F., **Clauß, S., Schlosser, D., Armanu, E.G., Eberlein, C., Heipieper, H.J.,** Löder, M.G.J., Laforsch, C. (2025):
Effects of defined organic layers on the fluorescence lifetime of plastic materials
Anal. Bioanal. Chem. **417** , 3651 - 3663
[10.1007/s00216-025-05888-y](https://doi.org/10.1007/s00216-025-05888-y)
480. **Leng, P., Rode, M., Koschorreck, M.** (2025):
Summer drought enhances diurnal amplitude of CO₂ in two German rivers of different size
Water Res. **271** , art. 122870
[10.1016/j.watres.2024.122870](https://doi.org/10.1016/j.watres.2024.122870)
481. Lenti, A., Kelemen, E., Czett, K., Klusmann, C., Pataki, G., Geneletti, D., Jähnig, S.C., Stoffers, T., Chinweuba, E., Dumortier, M., Sharma, N., van Dijk, J., **Vandewalle, M.,** Vierikko, K., Zólyomi, Á. (2025):
Implementing the European Union Biodiversity Strategy: Interlinked challenges and a potential way forward
People Nat. **7** (9), 2212 - 2227
[10.1002/pan3.70106](https://doi.org/10.1002/pan3.70106)
482. Leslie, H.A., **Jahnke, A., Rojo-Nieto, E.,** Arp, H.P.H. (2025):
Plastic-associated chemicals: Late lessons from early equilibrium partitioning science
Environ. Sci. Technol. **59** (22), 10707 - 10710
[10.1021/acs.est.5c04383](https://doi.org/10.1021/acs.est.5c04383)
483. Letschert, J., **Müller, B., Dressler, G.,** Möllmann, C., Stelzenmüller, V. (2025):
Simulating fishery dynamics by combining empirical data and behavioral theory
Ecol. Model. **501** , art. 111036
[10.1016/j.ecolmodel.2025.111036](https://doi.org/10.1016/j.ecolmodel.2025.111036)

484. Lettau, E., **Till, J., Toepel, J.**, Appel, J., Boehm, M., **Sacco, D.**, Lorent, C., Teutloff, C., Mach, R.L., Gutekunst, K., **Bühler, B.**, Lauterbach, L. (2025): Engineering O₂-tolerant chimeric hydrogenases optimized for ferredoxin coupling in *Synechocystis* sp. PCC 6803
ACS Synth. Biol. **14** (11), 4478 - 4495
[10.1021/acssynbio.5c00494](https://doi.org/10.1021/acssynbio.5c00494)
485. **Levers, C.**, Mehrabi, Z., Bajaj, K., Ramankutty, N., Siebert, S., **Seppelt, R.** (2025): Different places, different challenges: mapping global variations in agrifood-system burdens
Environ. Res. Lett. **20** (12), art. 124051
[10.1088/1748-9326/ae20ac](https://doi.org/10.1088/1748-9326/ae20ac)
486. Li, A., Meidl, P., Wang, S., Tang, B., Rillig, M.C., Yu, G., Chen, J., Liu, R., Lie, Z., Wu, A., Rong, L., **Peng, C.**, Liu, Z., Zhang, W., Lu, X., Liu, J., Ye, Q., Mo, J., Zheng, M. (2025): Atmospheric nitrogen deposition has minor impacts on the abundance and diversity of arbuscular mycorrhizal fungi and their contribution to soil carbon stock in tropical forests
Soil Biol. Biochem. **204**, art. 109746
[10.1016/j.soilbio.2025.109746](https://doi.org/10.1016/j.soilbio.2025.109746)
487. Li, C., Jin, L.N., Bank, M.S., Fan, C., Gillings, M.R., Zhao, T., Han, Y., Chen, T., Gao, M., Zhu, D., Chen, Q., Zhu, G., Wang, J., Wang, L., Liu, J., Yuan, G., Huang, Q., Wang, X., **Jahnke, A.**, Brahney, J., Allen, S., Arp, H.P.H., Oberbeckmann, S., Bergmann, M., Pointing, S.B., Zhang, D., Rillig, M.C. (2025): Potential planetary health impacts of the airborne plastisphere
One Earth **8** (10), art. 101446
[10.1016/j.oneear.2025.101446](https://doi.org/10.1016/j.oneear.2025.101446)
488. Li, C., Zhang, D., Zhang, S., Wen, Y., Wang, W., Chen, Y., **Peng, J.** (2025): Atmospheric vapor pressure deficit outweighs soil moisture deficit in controlling global ecosystem water use efficiency
J. Geophys. Res.-Biogeosci. **130** (3), e2024JG008605
[10.1029/2024JG008605](https://doi.org/10.1029/2024JG008605)

489. Li, D., Potgieter, L.J., Aronson, M.F.J., Axmanová, I., Baiser, B., Carboni, M., Celesti-Grapow, L., **Knapp, S., Kühn, I.**, Lacerda de Matos, A.C., Lososová, Z., Montaña-Centellas, F.A., Pyšek, P., Richardson, D.M., Trotta, L.B., Zenni, R.D., Cilliers, S.S., Clarkson, B.D., Davis, A.J.S., Dolan, R.W., Dyderski, M.K., Essl, F., Gaoue, O.G., Gui, J., Géron, C., Heringer, G., Hui, C., Khuroo, A.A., **Klotz, S.**, Kotanen, P.M., Kreft, H., La Sorte, F.A., Lembrechts, J.J., Lenzner, B., Lepczyk, C.A., MacIvor, S., Martínez-Garza, C., Mori, A.S., Nilon, C., Pergl, J., Siebert, S.J., Tretyakova, A.S., Tsang, T.P.N., Uchida, K., van Kleunen, M., Vilà, M., Wang, H.-F., Weigelt, P., Werner, P., Williams, N.S.G., Winter, M., Cadotte, M.W. (2025):
GUBIC: The global urban biological invasions compendium for plants
Ecol. Solut. Evid. **6** (1), e70020
[10.1002/2688-8319.70020](https://doi.org/10.1002/2688-8319.70020)
490. Li, J., Leng, G., **Pyarali, K., Peng, J.** (2025):
High-resolution drought detection across contrasting climate zones in China
Remote Sens. **17** (7), art. 1169
[10.3390/rs17071169](https://doi.org/10.3390/rs17071169)
491. Li, J., **Liu, Q.**, Yin, R., You, C., Zhang, L., Li, H., Wang, L., Xu, H., Xu, L., Liu, S., Tan, B., Xu, Z. (2025):
Nitrogen addition and plant functional type mediate the mesofauna-driven litter element release of subtropical forest
Plant Soil **510** (1-2), 907 - 921
[10.1007/s11104-024-06969-0](https://doi.org/10.1007/s11104-024-06969-0)
492. Li, L., Gu, X., Guan, Y., Gulakhmadov, A., Slater, L.J., **Li, X.**, Wang, L., Ashrafi, K., Tang, X., Kong, D., Zhang, X. (2025):
Fingerprint-based attribution and constrained projection of global risk of daily compound hot extremes
J. Geophys. Res.-Atmos. **130** (13), e2024JD041986
[10.1029/2024JD041986](https://doi.org/10.1029/2024JD041986)
493. Li, R., Luo, Y., Zhu, X., Zhang, J., Hua, P., **Wang, Z.**, Yang, W., Chen, Q., Li, H. (2025):
Increasing health burdens driven by global trade induced air pollution
Earth Future **13** (1), e2024EF004814
[10.1029/2024EF004814](https://doi.org/10.1029/2024EF004814)
494. **Li, S.**, Li, L., Tian, X., Gao, Q., Dong, S. (2025):
Spatiotemporal dynamics of ammonium monooxygenase (*amoA*) genes in sediments of the aquaculture area in the Yellow Sea Cold Water Mass
Reg. Stud. Mar. Sci. **89**, art. 104298
[10.1016/j.rsma.2025.104298](https://doi.org/10.1016/j.rsma.2025.104298)

495. **Li, S., Vogt, C.** (2025):
Anaerobic mineralization of ¹³C-labeled biomass by thermophilic microorganisms from aquifer sediments
Environ. Technol. Innov. **40**, art. 104547
[10.1016/j.eti.2025.104547](https://doi.org/10.1016/j.eti.2025.104547)
496. Li, X., Zhou, J., Bai, Y., Qiao, M., Xiong, W., **Schulze, T., Krauss, M.**, Williams, T.D., Brown, B., Orsini, L., Guo, L.-H., Colbourne, J.K. (2025):
Bioactivity profiling of chemical mixtures for hazard characterization
Environ. Sci. Technol. **59** (1), 291 - 301
[10.1021/acs.est.4c11095](https://doi.org/10.1021/acs.est.4c11095)
497. Li, Y., Helfenstein, J., Swart, R., Levers, C., Mohr, F., Diogo, V., Bürgi, M., Williams, T.G., Zafeiriou, R., Zarina, A., Ammann, J., Rolo, V., Verburg, P.H., **Beckmann, M.**, Hernik, J., Kizos, T., Herzog, F. (2025):
Agroecological and technological practices in European arable farming: Past uptake and expert visions for future development
Land Use Pol. **153**, art. 107553
[10.1016/j.landusepol.2025.107553](https://doi.org/10.1016/j.landusepol.2025.107553)
498. Li, Y., Tao, C., Li, S., **Chen, W.**, Fu, D., Jafvert, C.T., Zhu, T. (2025):
Feasibility study of machine learning to explore relationships between antimicrobial resistance and microbial community structure in global wastewater treatment plant sludges
Bioresour. Technol. **417**, art. 131878
[10.1016/j.biortech.2024.131878](https://doi.org/10.1016/j.biortech.2024.131878)
499. **Li, Y.**, Yang, X., Lischeid, G., Wollheim, W.M., **Jomaa, S., Zhou, X., Rode, M.** (2025):
Responses of wetted river network contraction and expansion dynamics to prolonged drought
Water Resour. Res. **61** (6), e2024WR038938
[10.1029/2024WR038938](https://doi.org/10.1029/2024WR038938)
500. Lima, C.G., Bastos, R., Cabral, J.A., Alves, P., Fernandes, P.M., Honrado, J.P., **Kühn, I.**, Malta-Pinto, E., Marchante, E., Richardson, D.M., Santos, M., Verburg, P.H., Vicente, J.R. (2025):
The combined effects of site susceptibility to invasion and fire on population dynamics of the invasive tree *Acacia dealbata*
Biol. Invasions **27** (11), art. 242
[10.1007/s10530-025-03698-y](https://doi.org/10.1007/s10530-025-03698-y)

501. Lin, H., Yuan, Y., Li, J., Bennett, J.M., Ashman, T.-L., Arceo-Gomez, G., Burd, M., Burkle, L.A., Burns, J.H., **Durka, W.**, Ellis, A.G., Freitas, L., Rodger, J.G., Vamosi, J.C., Wolowski, M., Xia, J., **Knight, T.M.** (2025):
Global meta-analysis shows that threatened flowering plants have higher pollination deficits
Nat. Commun. **16** , art. 5882
[10.1038/s41467-025-61032-5](https://doi.org/10.1038/s41467-025-61032-5)
502. Lin, S., Lyu, T., **Pan, M.**, Hou, Y., Guo, C., Chen, Z., Dong, R., Liu, S. (2025):
Exploration of ammonia stripping coupled adsorption-membrane filtration process for treating kitchen waste biogas slurry
Environ. Res. **274** , art. 121318
[10.1016/j.envres.2025.121318](https://doi.org/10.1016/j.envres.2025.121318)
503. **Linke, T., Paufler, S., Dusny, C., Maskow, T., Schmid, A.** (2025):
Experimental dataset on the characterization of a new photo-calorespirometry setup
Data Brief **63** , art. 112157
[10.1016/j.dib.2025.112157](https://doi.org/10.1016/j.dib.2025.112157)
504. **Lipaeva, P.**, Drozdova, P., Vereshchagina, K., Jakob, L., **Schubert, K.**, Bedulina, D., **Luckenbach, T.** (2025):
How to reproduce in the Siberian winter: Proteome dynamics reveals the timing of reproduction-related processes in an amphipod species endemic to Lake Baikal
Ecol. Evol. **15** (7), e71675
[10.1002/ece3.71675](https://doi.org/10.1002/ece3.71675)
505. **Lipperera, M.C., Khurelbaatar, G., Despot, D.**, Lipeme Kouyi, G., Rizzo, A., **Friesen, J.** (2025):
Spatial-economic scenarios to increase resilience to urban flooding
Water Res. X **26** , art. 100284
[10.1016/j.wroa.2024.100284](https://doi.org/10.1016/j.wroa.2024.100284)
506. **Lippold, E.**, Landl, M., **Braatz, E., Schlüter, S.**, Kilian, R., Mikutta, R., Schnepf, A., **Vetterlein, D.** (2025):
Linking micro-X-ray fluorescence spectroscopy and X-ray computed tomography with model simulation explains differences in nutrient gradients around roots of different types and ages
New Phytol. **246** (4), 1780 - 1795
[10.1111/nph.70102](https://doi.org/10.1111/nph.70102)
507. **Liu, Q.**, Eisenhauer, N., Scheu, S., **Reitz, T., Schädler, M.** (2025):
Grasslands support more diverse and resilient earthworm communities to climate change than croplands in Central Europe
Agric. Ecosyst. Environ. **377** , art. 109259
[10.1016/j.agee.2024.109259](https://doi.org/10.1016/j.agee.2024.109259)

508. Liu, X., **Köpke, J.**, **Akay, C.**, **Kümmel, S.**, Imfeld, G. (2025):
Sulfamethoxazole transformation by heat-activated persulfate: Linking transformation products patterns with carbon and nitrogen isotope fractionation
Environ. Sci. Technol. **59** (11), 5704 - 5714
[10.1021/acs.est.4c09732](https://doi.org/10.1021/acs.est.4c09732)
509. Liu, Y.-J., Yang, H.-Y., **Gao, S.-X.**, Li, Z.-H., Hu, Y.-Y., Zheng, X., Sheng, G.-P. (2025):
Molecular fractionation mediates genotoxicity evolution of hydrochar-derived dissolved organic matter at the iron oxyhydroxides-water interface
Water Res. **268, Part A**, art. 122584
[10.1016/j.watres.2024.122584](https://doi.org/10.1016/j.watres.2024.122584)
510. Liu, Y., Wang, M., **Yang, X.** (2025):
Earnings optimism in green stocks
J. Sustain. Financ. Invest. **15** (2), 319 - 341
[10.1080/20430795.2024.2389152](https://doi.org/10.1080/20430795.2024.2389152)
511. Liu, Y., **Yoshioka, K.**, **You, T.**, Li, H., Zhang, F. (2025):
Variational phase-field fracture approach for non-isothermal CO₂-water two-phase flow in deformable porous media
Comput. Geotech. **188**, art. 107596
[10.1016/j.compgeo.2025.107596](https://doi.org/10.1016/j.compgeo.2025.107596)
512. Liu, Y., **Yoshioka, K.**, **You, T.**, Li, H., Zhang, F. (2025):
Thermally induced fracture modeling during a long-term water injection
Int. J. Rock Mech. Min. Sci. **186**, art. 106022
[10.1016/j.ijrmms.2024.106022](https://doi.org/10.1016/j.ijrmms.2024.106022)
513. **Llanque Zonta, A.**, Zuin Zeidler, V.G. (2025):
Ancestral cuisine as regenerative social technologies in Amazon: eco-humanist perspectives towards a critical sustainable chemistry
Curr. Opin. Green Sustain. Chem. **52**, art. 101006
[10.1016/j.cogsc.2025.101006](https://doi.org/10.1016/j.cogsc.2025.101006)
514. Lu, C., Leng, G., Yu, L., Qiu, J., **Peng, J.** (2025):
Temporal evolution of maize yield spatial heterogeneity in northeast China: shift of dominant factors from human management to climate change
J. Clean Prod. **519**, art. 145957
[10.1016/j.jclepro.2025.145957](https://doi.org/10.1016/j.jclepro.2025.145957)
515. **Lucas, M.**, Gil, J., Robertson, G.P., Ostrom, N.E., Kravchenko, A. (2025):
Changes in soil pore structure generated by the root systems of maize, sorghum and switchgrass affect in situ N₂O emissions and bacterial denitrification
Biol. Fert. Soils **61** (3), 367 - 383
[10.1007/s00374-023-01761-1](https://doi.org/10.1007/s00374-023-01761-1)

516. Lück, S., Callaghan, M., **Borchers, M.**, Cowie, A., Fuss, S., Geden, O., Gidden, M., Hartmann, J., Kammann, C., Keller, D.P., Kraxner, F., Lamb, W., Mac Dowell, N., Müller-Hansen, F., Nemet, G., Probst, B., Renforth, P., Repke, T., Rickels, W., Schulte, I., Smith, P., Smith, S.M., **Thrän, D.**, van der Spek, M., Minx, J.C. (2025):
Scientific literature on carbon dioxide removal revealed as much larger through AI-enhanced systematic mapping
Nat. Commun. **16** , art. 6632
[10.1038/s41467-025-61485-8](https://doi.org/10.1038/s41467-025-61485-8)
517. **Ludwig, A., Feilhauer, H., Doktor, D.** (2025):
Exploring Sentinel-2-based spectral variability for enhancing grassland diversity assessments across Germany
Appl. Veg. Sci. **28** (3), e70030
[10.1111/avsc.70030](https://doi.org/10.1111/avsc.70030)
518. Lumbierres, M., **Milanović, M.**, Beja, P., **Bonn, A.**, Breeze, T.D., Brotons, L., Fernández, N., Junker, J., Liqueste, C., Lyche Solheim, A., Morán Ordóñez, A., Moreira, F., Santana, J., Shinneman, S., Smets, B., Pereira, H.M., Valdez, J.W., van Grunsven, R.H.A., Kissling, W.D. (2025):
Towards implementing workflows for essential biodiversity variables at a European scale
Glob. Ecol. Conserv. **62** , e03699
[10.1016/j.gecco.2025.e03699](https://doi.org/10.1016/j.gecco.2025.e03699)
519. **Lupacchini, S., Stauder, R., Opel, F., Klähn, S., Schmid, A., Bühler, B., Toepel, J.** (2025):
Co-expression of auxiliary genes enhances the activity of a heterologous O₂-tolerant hydrogenase in the cyanobacterium *Synechocystis* sp. PCC 6803
Biotechnol. Biofuels Bioprod. **18** , art. 41
[10.1186/s13068-025-02634-5](https://doi.org/10.1186/s13068-025-02634-5)
520. **Luttermann, M.**, Prestele, R., **Grimm, V., Groeneveld, J.** (2025):
Expanding the scope of the bumblebee model BEE-STEWARD: a simple foraging module facilitates the parameterization
Ecol. Evol. **15** (5), e71468
[10.1002/ece3.71468](https://doi.org/10.1002/ece3.71468)
521. Lv, F., Li, X., Zhang, L., Chang, X., Zuo, X., **Settele, J.** (2025):
Distribution, habitat preferences, and threat factors of the butterfly *Bhutanitis thaidina*
J. Insect Conserv. **29** (3), art. 42
[10.1007/s10841-025-00677-5](https://doi.org/10.1007/s10841-025-00677-5)

522. Ma, M., **Eskelinen, A.**, Zhao, Y., Baskin, C.C., Xin, C., Zhang, P., Guo, Z., Zhang, H., Wang, X., Zhang, P., Du, G. (2025):
Multiple mechanisms associated with loss of seed bank diversity under nitrogen enrichment
J. Ecol. **113** (3), 649 - 661
[10.1111/1365-2745.14486](https://doi.org/10.1111/1365-2745.14486)
523. Macaulay, S.J., Jeppesen, E., Riebesell, U., Nejtgaard, J.C., Berger, S.A., Lewandowska, A.M., Rico, A., Kefford, B.J., Vad, C.F., Costello, D.M., Wang, H., Pimentel, I.M., Barcelos e Ramos, J., González, J., Spilling, K., de Senerpont Domis, L., Boersma, M., Stockenreiter, M., Meerhoff, M., Vijver, M.G., Kelly-Quinn, M., Beklioglu, M., Matias, M.G., Sswat, M., Juvigny-Khenafou, N.P.D., **Fink, P.**, Zhang, P., Taniwaki, R.H., Ptacnik, R., Langenheder, S., Nederstigt, T.A.P., Horváth, Z., Piggott, J.J. (2025):
Addressing grand ecological challenges in aquatic ecosystems: how can mesocosms be used to advance solutions?
Oikos **2025** (5), e11020
[10.1111/oik.11020](https://doi.org/10.1111/oik.11020)
524. Madaj, A.-M., Huang, Y., Ebeling, A., Ertel, L., Gebler, A., Gleixner, G., Hines, J., **Roscher, C.**, Weigelt, A., **Albracht, C.**, Amyntas, A., Bassi, L., Bonato Asato, A.E., Bonkowski, M., Bröcher, M., **Buscot, F.**, **De Giorgi, F.**, Pinheiro Alves de Souza, Y., Doan, V.C., **Durka, W.**, Heintz-Buschart, A., Hennecke, J., Lange, M., Medina-van Berkum, P., Meyer, S.T., Krawczyk, S., Rai, A., **Reitz, T.**, Ristok, C., Scheu, S., Schlöter, M., Schulz, S., Solbach, M.D., Unsicker, S.B., Eisenhauer, N. (2025):
JenaTron - an experimental approach to study the effects of plant history and soil history on grassland ecosystem functioning
J. Vis. Exp. **2025** (217), e67496
[10.3791/67496](https://doi.org/10.3791/67496)
525. **Mailaender, V.M.**, **Gómez-Olarte, S.**, **Fu, Q.**, **Stojanovska, V.**, **Meyer, N.**, **Zenclussen, A.C.** (2025):
Investigating placental barrier integrity under exposure to a real-life PFAS mixture
Placenta **171**, e257
[10.1016/j.placenta.2025.08.090](https://doi.org/10.1016/j.placenta.2025.08.090)
526. **Mailaender, V.M.**, **Gómez-Olarte, S.**, **Fu, Q.**, **Stojanovska, V.**, **Meyer, N.**, **Zenclussen, A.C.** (2025):
Investigating placental barrier integrity under exposure to a real-life PFAS mixture
Toxicol. Lett. **411** (Supplement), S350 - S350a
[10.1016/j.toxlet.2025.07.812](https://doi.org/10.1016/j.toxlet.2025.07.812)

527. Malliou-Becher, M.-N., Turnwald, E.-M., Skupin, L., **Kretschmer, T.**, Mesaros, A., Purrio, M., Wohlfarth, M., Handwerk, M., Kalis, S., Gründemann, D., Dötsch, J., Germeyer, A., Appel, S. (2025):
Effect of metformin on the endometrial proteome of diet-induced obese mice
J. Mol. Endocrinol. **74** (4), e240098
[10.1530/JME-24-0098](https://doi.org/10.1530/JME-24-0098)
528. **Manske, D., Lehneis, R., Jordan, M., Thrän, D.** (2025):
Spatial dynamics of residential heat pump integration and its potential role in the energy transition of German municipalities
Energy **332**, art. 136918
[10.1016/j.energy.2025.136918](https://doi.org/10.1016/j.energy.2025.136918)
529. **Manske, D., Lehneis, R., Thrän, D.** (2025):
The landscape of the renewable electricity supply - municipal contributions to Germany's energy transition
Renew. Energy **240**, art. 122172
[10.1016/j.renene.2024.122172](https://doi.org/10.1016/j.renene.2024.122172)
530. Marini, L., Gazzea, E., Albrecht, M., Báldi, A., Batáry, P., Bartomeus, I., Bommarco, R., Bruun, H.H., Cappellari, A., Cole, L.J., Craivoeanu, C., Decocq, G., Demeter, I., Diekmann, M., Gallé, R., Garratt, M.P.D., Geppert, C., Holzschuh, A., Karise, R., Kolb, A., Knauer, A., Kovács-Hostyánszki, A., Labonté, A., Oh, K.L., Liiskmann, E., Ljubomirov, T., Lundin, O., Maurer, C., Molina, F.P., Montes-Pérez, N., Mudri-Stojnić, S., Öckinger, E., Piross, I.S., Potts, S.G., Proesmans, W., Radenković, S., Raderschall, C.A., Scheper, J., **Schmidt, A., Schweiger, O.**, Senapathi, D., **Settele, J.**, Spicher, F., Sponsler, D., Steffan-Dewenter, I., Szigeti, V., Tamburini, G., Timus, N., Török, E., Vanbergen, A.J., Velado-Alonso, E., Verheyen, K., Vujić, A., Winsa, M., Wulf, M., Zimmermann, N.E., Kleijn, D. (2025):
Using total abundance as a proxy for wild bee species richness: A practical tool for non-experts
J. Appl. Ecol. **62** (11), 3065 - 3077
[10.1111/1365-2664.70167](https://doi.org/10.1111/1365-2664.70167)
531. **Marquard, E., Hermsdorf, M.**, Dahms, H., Schleicher, K., Strunz, S., Baron, M., Salomon, M., Schmid, H.-L., Wiegand, S., Hornberg, C., Farwig, N., Wolters, V., Bauhus, J., Feindt, P.H., **Köck, W., Settele, J.** (2025):
Underpinning the EU Nature Restoration Regulation: five success factors for effective measures in the Member States
Restor. Ecol. **33** (7), e70121
[10.1111/rec.70121](https://doi.org/10.1111/rec.70121)

532. Marques, E.Q., Silvério, D.V., **Ribeiro, A.F.S., Zscheischler, J.**, Seneviratne, S.I., Marra, D.D., Rebelatto, B.F., Rattis, L., Brando, P.M. (2025):
Vertical forest dynamics: the influence of windthrows and extreme weather events on Southern Amazon canopy height
Environ. Res. Commun. **7** (12), art. 125010
[10.1088/2515-7620/ae24cb](https://doi.org/10.1088/2515-7620/ae24cb)
533. Martin, C.C., Lockley, A., Hendricks, S., Clark, C.J., Mundra, I., **Matzner, N.** (2025):
Women climate scientists are connected, productive, and successful but have shorter careers
Proc. Natl. Acad. Sci. U.S.A. **122** (26), e2506023122
[10.1073/pnas.2506023122](https://doi.org/10.1073/pnas.2506023122)
534. **Martín Roldán, M., Würsig, H., Tarkka, M.T.**, Hartwig, R.P., Wimmer, M.A., **Blagodatskaya, E.** (2025):
Maize roots modulate microbial functional traits in the rhizosphere to mitigate drought stress
Soil Biol. Biochem. **207**, art. 109837
[10.1016/j.soilbio.2025.109837](https://doi.org/10.1016/j.soilbio.2025.109837)
535. Martínez, R., González-Sánchez, J.C., Sampani, S.I., **Scholz, S., Escher, B.I., Henneberger, L., Huchthausen, J.**, Whelan, M., Dickmeis, T., Weiss, C., Colbourne, J.K., Freedman, J.H. (2025):
The PrecisionTox chemical library: creation of a chemical collection to discover evolutionary conserved biomolecular signatures of toxicity
Toxicol. Sci. **208** (2), 317 - 329
[10.1093/toxsci/kfaf126](https://doi.org/10.1093/toxsci/kfaf126)
536. Martinez-Nuñez, C., Velado-Alonso, E., Avelino, J., Rey, P.J., ten Hoopen, G.M., **Pe'er, G.**, Zou, Y., Liu, Y., Antwi-Agyei, P., Rusch, A., Staver, C., Priyadarshana, T.S., Sonwa, D.J., Buchori, D., Garibaldi, L.A., Concepción, E.D., Lewis, O.T., Perfecto, I., Bartomeus, I. (2025):
Tailored policies for perennial woody crops are crucial to advance sustainable development
Nat. Sustain. **8** (2), 133 - 141
[10.1038/s41893-024-01483-8](https://doi.org/10.1038/s41893-024-01483-8)
537. Marzioletti, F., Grosso, G., Rosario Acosta, A.T., Malavasi, M., Pinna, L.C., Sternberg, M., **Gupta, S.K.**, Brundu, G., Carranza, M.L. (2025):
Dunes under attack: untangling the effects of landscape changes on Iceplant invasion (*Carpobrotus* spp., Aizoaceae) in Mediterranean coasts
NeoBiota **98**, 269 - 295
[10.3897/neobiota.98.132805](https://doi.org/10.3897/neobiota.98.132805)

538. **Masch, D., Buscot, F.,** Rohe, W., **Goldmann, K.** (2025):
Bark beetle infestation alters mycobiomes in wood, litter and soil associated with Norway spruce
FEMS Microbiol. Ecol. **101** (3), fiaf015
[10.1093/femsec/fiaf015](https://doi.org/10.1093/femsec/fiaf015)
539. **Massei, R., Busch, W.,** Serrano-Solano, B., **Bernt, M., Scholz, S., Nicolay, E.K., Bohring, H., Bumberger, J.** (2025):
High-content screening (HCS) workflows for FAIR image data management with OMERO
Sci. Rep. **15** , art. 16236
[10.1038/s41598-025-00720-0](https://doi.org/10.1038/s41598-025-00720-0)
540. **Massenberg, J.R.** (2025):
Economic valuation of a holistic rewilding approach in multifunctional landscapes: Evidence from the German Oder Delta
Ambio **54** (7), 1213 - 1236
[10.1007/s13280-025-02143-7](https://doi.org/10.1007/s13280-025-02143-7)
541. Matteo, A., Garnés-Morales, G., Moreno, A., **Ribeiro, A.F.S.,** Azorin-Molina, C., Bedia, J., Di Giuseppe, F., Dunn, R.J.H., Herrera, S., Provenzale, A., Quilcaille, Y., Torres-Vázquez, M.A., Turco, M. (2025):
Challenges in assessing Fire Weather changes in a warming climate
npj Clim. Atmos. Sci. **8** , art. 284
[10.1038/s41612-025-01163-0](https://doi.org/10.1038/s41612-025-01163-0)
542. **Matzner, N., Otto, D., Polzin, C., Siedschlag, D., Thrän, D.** (2025):
Regional climate protection with biomass. Stakeholder perspectives on regional governance of biomass-based CDR
33rd European Biomass Conference and Exhibition, Valencia, Spain, 9-12 June 2025
EUBCE Proceedings
ETA-Florence Renewable Energies, Florence, p. 261 - 264
[10.5071/33rdEUBCE2025-2CO.16.3](https://doi.org/10.5071/33rdEUBCE2025-2CO.16.3)
543. **Mayer, T., Goblirsch, T.,** Petrich, R., **Borsdorf, H.** (2025):
Towards an event-based and quality assured air sampling: A portable system for sensing and sampling volatile organic compounds
Anal. Chem. **97** (43), 23765 - 23772
[10.1021/acs.analchem.5c03799](https://doi.org/10.1021/acs.analchem.5c03799)
544. Mayer, T., **Teutloff, E.,** Unger, K., Lehenberger, P., Agler, M.T. (2025):
Deterministic colonization arises early during the transition of soil bacteria to the phyllosphere and is shaped by plant–microbe interactions
Microbiome **13** , art. 102
[10.1186/s40168-025-02090-1](https://doi.org/10.1186/s40168-025-02090-1)

545. McGlinn, D.J., Blowes, S.A., Dornelas, M., **Engel, T.**, Martins, I.S., Shimadzu, H., Gotelli, N.J., Magurran, A., McGill, B.J., Chase, J.M. (2025):
Disentangling nonrandom structure from random placement when estimating β -diversity through space or time
Ecosphere **16** (3), e70061
[10.1002/ecs2.70061](https://doi.org/10.1002/ecs2.70061)
546. McJannet, D., Rasche, D., Marano, J., Hawdon, A., Stenson, M., **Schrön, M.** (2025):
Over-water low-energy neutron observations for intensity corrections across cosmic-ray soil moisture sensor networks
Water Resour. Res. **61** (9), e2024WR039727
[10.1029/2024WR039727](https://doi.org/10.1029/2024WR039727)
547. McKenna, R., Lilliestam, J., Heinrichs, H.U., Weinand, J., Schmidt, J., Staffell, I., Hahmann, A.H., Burgherr, P., Burdack, A., Bucha, M., Chen, R., Klingler, M., **Lehmann, P.**, Lowitzsch, J., Novo, R., Price, J., Sacchi, R., Scherhauser, P., Schöll, E.M., Visconti, P., Velasco-Herrejón, P., Zeyringer, M., Camargo, L.R. (2025):
System impacts of wind energy developments: Key research challenges and opportunities
Joule **9** (1), art. 101799
[10.1016/j.joule.2024.11.016](https://doi.org/10.1016/j.joule.2024.11.016)
548. McPhearson, T., Frantzeskaki, N., Ossola, A., Diep, L., Anderson, P.M.L., Blatch, T., Collier, M.J., Cook, E.M., Culwick Fatti, C., Grabowski, Z.J., Grimm, N.B., **Haase, D.**, Herreros-Cantis, P., Kavonic, J., Lin, B.B., Lopez Meneses, D.H., Matsler, A.M., Moglia, M., Morató, J., O'Farrell, P., Roy, P., Singh, C., Wang, J., Zhou, W. (2025):
Global synthesis and regional insights for mainstreaming urban nature-based solutions
Proc. Natl. Acad. Sci. U.S.A. **122** (29), e2315910121
[10.1073/pnas.2315910121](https://doi.org/10.1073/pnas.2315910121)
549. Meador, J.P., **Escher, B.I.** (2025):
Fish early-life stage toxicity and environmental relevance: what does high-dose toxicity testing tell us?
Environ. Toxicol. Chem. **44** (5), 1222 - 1227
[10.1093/etjnl/vgaf002](https://doi.org/10.1093/etjnl/vgaf002)
550. Mederer, D., **Feilhauer, H.**, Cherif, E., Berger, K., Hank, T.B., Kovach, K.R., Dao, P.D., Lu, B., Townsend, P.A., Kattenborn, T. (2025):
Plant trait retrieval from hyperspectral data: Collective efforts in scientific data curation outperform simulated data derived from the PROSAIL model
ISPRS Open Journal of Photogrammetry and Remote Sensing **15**, art. 100080
[10.1016/j.ophoto.2024.100080](https://doi.org/10.1016/j.ophoto.2024.100080)

551. Mederer, D., Kattenborn, T., Cherif, E., Guimaraes-Steinicke, C., Joswig, J.S., Schneider, F.D., **Feilhauer, H.** (2025):
Unraveling the seasonality of functional diversity through remote sensing
Commun. Earth Environ. **6** , art. 790
[10.1038/s43247-025-02646-x](https://doi.org/10.1038/s43247-025-02646-x)
552. Medina-van Berkum, P., **De Giorgi, F.**, Rothe, B., **Durka, W.**, Gershenson, J., **Roscher, C.**, Unsicker, S.B. (2025):
Selection strengthens the relationship between plant diversity and the metabolic profile of *Plantago lanceolata*
New Phytol. **247** (6), 2982 - 2997
[10.1111/nph.70340](https://doi.org/10.1111/nph.70340)
553. **Meier, L., Grimm, V., Frank, K.** (2025):
Model perpetuation by designing and documenting models and workflows so that they can be reused and further developed by others: The case of multiple stressors in ecology
Ecol. Model. **501** , art. 111029
[10.1016/j.ecolmodel.2025.111029](https://doi.org/10.1016/j.ecolmodel.2025.111029)
554. Meijer, M., Klein, M., Camaraschi, D., Clark, S.L., Cosin-Tomas, M., Koen, N., Lu, X., Mulder, R.H., **Röder, S.W.**, Zhang, Y., Zilich, L., Bustamente, M., Deuschle, M., Felix, J.F., Gonzáles, J.R., Gražulevičiene, R., Streit, F., Wright, J., Carracedo, A., Cecil, C.A.M., Corpeleijn, E., Hartman, C., **Herberth, G.**, Huels, A., Relton, C., Snieder, H., Stein, D.J., Sunyer, J., Witt, S.H., Zar, H.J., **Zenclussen, A.C.**, Franke, B., Copeland, W., Aberg, K.A., van den Oort, E.J.C.G. (2025):
Cell type-specific methylome-wide association studies of childhood ADHD symptoms
Eur. Neuropsychopharmacol. **101** , 7 - 17
[10.1016/j.euroneuro.2025.09.010](https://doi.org/10.1016/j.euroneuro.2025.09.010)
555. Menezes, R., **Calabrese, J.M.**, Fagan, W.F., Prado, P.I., Martinez-Garcia, R. (2025):
The range-resident logistic model: a new framework to formalise the population-dynamics consequences of range residency
Ecol. Lett. **28** (12), e70269
[10.1111/ele.70269](https://doi.org/10.1111/ele.70269)
556. **Meng, Y., Schmidt, J., Zscheischler, J., Bevacqua, E.** (2025):
Climate-driven compounding effects and historical trends in renewable electricity droughts in Europe
Appl. Energy **401, Part B** , art. 126623
[10.1016/j.apenergy.2025.126623](https://doi.org/10.1016/j.apenergy.2025.126623)

557. Menzel, A., **Egli, L.**, Gross, A. (2025):
Energy-efficiency of community supported agriculture farms and conventional vegetable production
Front. Sustain. Food Syst. **9**, art. 1490652
[10.3389/fsufs.2025.1490652](https://doi.org/10.3389/fsufs.2025.1490652)
558. Meran, G., **Schwarze, R.** (2025):
Unveiling ecological unequal exchange: The role of biophysical flows as an indicator of ecological exploitation in the North-South relations
Economics-Kiel **19** (1), art. 20250149
[10.1515/econ-2025-0149](https://doi.org/10.1515/econ-2025-0149)
559. **Merz, N.**, Zachariah, M. (2025):
Understanding droughts under climate change in South America based on severity-duration-frequency curves and drought atlases
Clim. Change **178** (9), art. 163
[10.1007/s10584-025-04015-1](https://doi.org/10.1007/s10584-025-04015-1)
560. Mesa-Jurado, M.A., Novo, P., **Calderón-Contreras, R.**, Pereira, L.M., Bisht, V., Boffi, L., Dalla Torre, C., Gianelli, I., Gutiérrez Sánchez, C., Österblom, H., Strand, M., Tengö, M., Vervoort, J.M., Balvanera, P. (2025):
Meaningful transdisciplinary collaborations for sustainability: local, artistic, and scientific knowledge
Ecol. Soc. **30** (4), art. 7
[10.5751/ES-16491-300407](https://doi.org/10.5751/ES-16491-300407)
561. Messori, G., Muheki, D., Batibeniz, F., **Bevacqua, E.**, Suarez-Gutierrez, L., Thiery, W. (2025):
Global mapping of concurrent hazards and impacts associated with climate extremes under climate change
Earth Future **13** (6), e2025EF006325
[10.1029/2025EF006325](https://doi.org/10.1029/2025EF006325)
562. **Meyer, M.**, **Koschorreck, M.**, **Weitere, M.**, Kneis, D., **Graeber, D.**, **Perujo, N.** (2025):
Local controls rather than short-term drought regulate microbial phosphorus and greenhouse gas dynamics in floodplain sediments
Biogeochemistry **168** (6), art. 98
[10.1007/s10533-025-01295-8](https://doi.org/10.1007/s10533-025-01295-8)
563. **Mi, C.**, **Shatwell, T.**, **Kong, X.**, **Rinke, K.** (2025):
Cascading climate effects in deep reservoirs: Full assessment of physical and biogeochemical dynamics under ensemble climate projections and ways towards adaptation
Ambio **54** (3), 385 - 401
[10.1007/s13280-023-01950-0](https://doi.org/10.1007/s13280-023-01950-0)

564. **Michaelis, P., Klüver, N., Aulhorn, S., Bohring, H., Bumberger, J., Haase, K., Kuhnert, T., Küster, E., Krüger, J., Luckenbach, T., Massei, R., Nerlich, L., Petruschke, S., Schnicke, T., Schnurpel, A., Scholz, S., Schweiger, N., Sielaff, D., Busch, W.** (2025):
Leveraging zebrafish embryo phenotypic observations to advance data-driven analyses in toxicology
Environ. Sci. Technol. **59** (9), 4304 - 4317
[10.1021/acs.est.4c11757](https://doi.org/10.1021/acs.est.4c11757)
565. Migliavacca, M., Grassi, G., Bastos, A., Ceccherini, G., Ciais, P., Janssens-Maenhout, G., Lugato, E., **Mahecha, M.D.**, Novick, K.A., Peñuelas, J., Pilli, R., Reichstein, M., Avitabile, V., Beck, P.S.A., Barredo, J.I., Forzieri, G., Herold, M., Korosuo, A., Mansuy, N., Mubareka, S., Orth, R., Rougieux, P., Cescatti, A. (2025):
Securing the forest carbon sink for the European Union's climate ambition
Nature **643** (8074), 1203 - 1213
[10.1038/s41586-025-08967-3](https://doi.org/10.1038/s41586-025-08967-3)
566. Miglino, D., **Jomaa, S., Rode, M.**, Saddi, K.C., Isgrò, F., Manfreda, S. (2025):
Technical note: Image processing for continuous river turbidity monitoring – full-scale tests and potential applications
Hydrol. Earth Syst. Sci. **29** (17), 4133 - 4151
[10.5194/hess-29-4133-2025](https://doi.org/10.5194/hess-29-4133-2025)
567. **Milanović, M.**, Bakker, J.D., Biedermann, L., Borer, E.T., Catford, J.A., Cleland, E., Hagenah, N., Haider, S., **Harpole, W.S.**, Komatsu, K., MacDougall, A.S., Römermann, C., Seabloom, E.W., **Knapp, S., Kühn, I.** (2025):
Successful alien plant species exhibit functional dissimilarity from natives under varied climatic conditions but not under increased nutrient availability
J. Veg. Sci. **36** (2), e70032
[10.1111/jvs.70032](https://doi.org/10.1111/jvs.70032)
568. **Min, N.**, Yao, J., Li, H., **Kümmel, S.**, Schaefer, T., Hermann, H., **Richnow, H.H.** (2025):
Multi-element isotope fractionation analysis to investigate the photosensitized reactions of humic substance with 3-chloroaniline
Water Res. **282**, art. 123633
[10.1016/j.watres.2025.123633](https://doi.org/10.1016/j.watres.2025.123633)
569. **Min, N.**, Yao, J., Li, H., **Kümmel, S.**, Schaefer, T., Herrmann, H., **Richnow, H.H.** (2025):
Carbon, hydrogen, nitrogen and chlorine isotope fractionation during 3-chloroaniline transformation in aqueous environments by direct photolysis, TiO₂ photocatalysis and hydrolysis
Water Res. **273**, art. 122956
[10.1016/j.watres.2024.122956](https://doi.org/10.1016/j.watres.2024.122956)

570. Minaudo, C., Abonyi, A., Alcaraz, C., Diamond, J., Howden, N.J.K., **Rode, M.**, Romero, E., Thieu, V., Worrall, F., Zhang, Q., Benito, X. (2025):
OLIGOTREND, a global database of multi-decadal chlorophyll *a* and water quality time series for rivers, lakes, and estuaries
Earth Syst. Sci. Data **17** (7), 3411 - 3430
[10.5194/essd-17-3411-2025](https://doi.org/10.5194/essd-17-3411-2025)
571. Miralles, D.G., Vilà-Guerau de Arellano, J., McVicar, T.R., **Mahecha, M.D.** (2025):
Vegetation–climate feedbacks across scales
Ann. N.Y. Acad. Sci. **1544** (1), 27 - 41
[10.1111/nyas.15286](https://doi.org/10.1111/nyas.15286)
572. Mishra, V., Chuphal, D.S., Kong, Q., Raymond, C., Parsons, L., **Kumar, R.**, Tumbe, C., Huber, M. (2025):
Migrant laborers in India face increased heat stress driven by climate warming and ENSO variability
Earth Future **13** (11), e2025EF006167
[10.1029/2025EF006167](https://doi.org/10.1029/2025EF006167)
573. **Mittelstädt, N., Manske, D., Thrän, D.** (2025):
The development of ground-mounted photovoltaic systems next to transport routes
Renew. Sust. Energ. Rev. **208**, art. 114978
[10.1016/j.rser.2024.114978](https://doi.org/10.1016/j.rser.2024.114978)
574. **Möckel, S.** (2025):
Monatliche Rubrik "Natur und Recht"
Nat. Landsch. **100** (8), 391 - 394
575. **Möckel, S.** (2025):
Wiederherstellung von Natur und Natura 2000 Gebieten mit künstlich veränderten Standortverhältnissen - Verträglichkeitsprüfung und Ausnahmemöglichkeiten
Nat. Recht **47** (6), 370 - 378
[10.1007/s10357-025-4549-6](https://doi.org/10.1007/s10357-025-4549-6)
576. **Möckel, S.** (2025):
Wiederherstellung von Natur in oder in der Nähe von Natura 2000 Gebieten mit künstlich veränderten Standortverhältnissen
Nat. Recht **47** (7), 441 - 450
[10.1007/s10357-025-4560-y](https://doi.org/10.1007/s10357-025-4560-y)
577. **Möckel, S.** (2025):
Natur und Recht Spezial: 100 Jahre rechtlicher Schutz von Natur und Landschaft in Deutschland
Nat. Landsch. **100** (2/3), 124 - 127

578. **Möckel, S.** (2025):
Monatliche Rubrik "Natur und Recht"
Nat. Landsch. **100** (6), 292 - 294
579. **Möckel, S.** (2025):
Monatliche Rubrik "Natur und Recht"
Nat. Landsch. **100** (4), 176 - 178
580. **Möckel, S.** (2025):
Monatliche Rubrik "Natur und Recht"
Nat. Landsch. **100** (1), 34 - 37
581. **Möckel, S.** (2025):
Monatliche Rubrik "Natur und Recht"
Nat. Landsch. **100** (11), 514 - 516
582. **Möckel, S.** (2025):
Wiederherstellung der Natur in Europa – Priorisierung besonders wirkungsvoller
Maßnahmen statt Aufweichung der Ziele
Nat. Landsch. **100** (9-10), 468 - 470
583. **Moeller, L., Bernhard, K.,** Kruckow, S., Wolf, S., **Georgi, A., Friesen, J., Mackenzie,
K., Müller, R.A.** (2025):
Tree infiltration trenches in the City of Leipzig – Experiences from four years of
operation
Land **14** (7), art. 1315
[10.3390/land14071315](https://doi.org/10.3390/land14071315)
584. **Moeller, L., Wollschläger, N., Hecht, C., Schlosser, D.,** Dietrich, P., **Friesen, J.,
Trabitzsch, R., Bernhard, K.,** Otto, P. (2025):
Research green roof in Leipzig, Germany
Ecol. Eng. **220** , art. 107729
[10.1016/j.ecoleng.2025.107729](https://doi.org/10.1016/j.ecoleng.2025.107729)
585. **Mollaali, M., Yoshioka, K., Lu, R., Montoya, V.,** Vilarrasa, V., **Kolditz, O.** (2025):
Variational phase-field fracture approach in reactive porous media
Int. J. Numer. Methods Eng. **126** (1), e7621
[10.1002/nme.7621](https://doi.org/10.1002/nme.7621)
586. **Moloi, M.S.,** Lehutso, R.F., Seopela, M.P., Hansen, R., Wesley-Smith, J.,
Motaung, L.T.T., **Kühnel, D.,** Erasmus, M., Oberholster, P.J., Thwala, M. (2025):
Commercial nano-enabled products as sources of engineered nanomaterials' (ENMs)
contamination in water: Release, behaviour, and ecotoxicity effects
J. Environ. Chem. Eng. **13** (5), art. 118080
[10.1016/j.jece.2025.118080](https://doi.org/10.1016/j.jece.2025.118080)

587. Monikh, F.A., **Materić, D.**, Valsami-Jones, E., Grossart, H.-P., Altmann, K., Holzinger, R., Lynch, I., **Stubenrauch, J.**, Peijnenburg, W. (2025): Challenges in studying microplastics in human brain
Nat. Med. **31** (12), 4034 - 4035
[10.1038/s41591-025-04045-3](https://doi.org/10.1038/s41591-025-04045-3)
588. Mooren, C.E., Munaretto, S., La Jeunesse, I., Sievers, E., Hegger, D.L.T., Driessen, P.P.J., **Hüesker, F.**, Cirelli, C., Canovas, I., Mounir, K., Madrigal, J.G. (2025): Water–energy–food–ecosystem nexus: how to frame and how to govern
Sustain. Sci. **20** (6), 2313 - 2334
[10.1007/s11625-025-01691-x](https://doi.org/10.1007/s11625-025-01691-x)
589. **Morales-Fonseca, D.**, Barantal, S., **Buscot, F.**, Hättenschwiler, S., Milcu, A., Nahamani, J., Gritti, E.S., **Goldmann, K.**, **Prada-Salcedo, L.D.** (2025): Functional diversity of soil macrofauna may contribute to microbial community stabilization under drought stress
Front. Microbiol. **16** , art. 1597272
[10.3389/fmicb.2025.1597272](https://doi.org/10.3389/fmicb.2025.1597272)
590. Morera, B., Garrote, P.J., **Wiegand, T.**, Ayllón, D., Fedriani, J.M. (2025): Invariant spatial pattern across Mediterranean scrublands in the Iberian pear (*Pyrus bourgaeana*)
Ecol. Evol. **15** (1), e70757
[10.1002/ece3.70757](https://doi.org/10.1002/ece3.70757)
591. Motteau, S., Dervilly, G., Cariou, R., Margalef, M., Lamoree, M., Hamers, T., **König, M.**, **Escher, B.I.**, Vinggaard, A.M., Rørbye, C., Le Bizec, B., Antignac, J.-P. (2025): Determination of chemical mixtures in environmental, food, and human samples using high-resolution mass spectrometry-based suspect screening approaches
Environ. Sci. Technol. **59** (39), 21265 - 21277
[10.1021/acs.est.4c12608](https://doi.org/10.1021/acs.est.4c12608)
592. Muhammad, S., **Ullah, R.**, Amin, S., Ahmad, A. (2025): Radon contamination, risk evaluation, and their spatial distribution in groundwater of three selected northern districts
J. Geochem. Explor. **269** , art. 107644
[10.1016/j.gexplo.2024.107644](https://doi.org/10.1016/j.gexplo.2024.107644)

593. Müller Schmied, H., Newland Gosling, S., Garnsworthy, M., Müller, L., Telteu, C.-E., Ahmed, A.K., Andersen, L.S., Boulange, J., Buek, P., Chang, J., Chen, H., Gudmunsson, L., Grillakis, M., Guillaumot, L., Hanasaki, N., Koutroulis, A., **Kumar, R.**, Leng, G., Liu, J., Liu, X., Menke, I., Mishra, V., Pokhrel, Y., **Rakovec, O.**, **Samaniego, L.**, Satoh, Y., Lovekumar Shah, H., Smilovic, M., Stacke, T., Sutanudjaja, E., Thiery, W., Tsilimigkras, A., Wada, Y., Wanders, N., Yokohata, T. (2025):
Graphical representation of global water models
Geosci. Model Dev. **18** (8), 2409 - 2425
[10.5194/gmd-18-2409-2025](https://doi.org/10.5194/gmd-18-2409-2025)
594. **Müller, S., Lange, M., Fischer, T., König, S., Kelbling, M., Leal Rojas, J.J., Thober, S.** (2025):
FINAM – is not a model (v1.0): a new Python-based model coupling framework
Geosci. Model Dev. **18** (14), 4483 - 4498
[10.5194/gmd-18-4483-2025](https://doi.org/10.5194/gmd-18-4483-2025)
595. Münch, M.L., Lia, M., Wolf, B., Köhler, M., Baber, R., Singh, K., **Schumacher, A., Kretschmer, T., Grabowska, R.O.**, Linde, K., Schmidt, V., Kramuschke, M., Bartley, J., Kabbani, N., Vogel, M., Guo, Y., Kohli, S. (2025):
Multidisciplinary assessment of the impact of assisted reproductive techniques on pregnancy and long-term outcomes of mother and child: Foundation of the LE-REP (Leipzig Reproductive Health) Center
J. Reprod. Immunol. **169**, art. 104457
[10.1016/j.jri.2025.104457](https://doi.org/10.1016/j.jri.2025.104457)
596. Mungi, N.A., Ordonez Gloria, A., **Rastogi, R.**, Svenning, J.-C. (2025):
Expanding the Resist–Accept–Direct framework for developing nature-based solutions and societal adaptations to biological invasions
People Nat. **7** (7), 1505 - 1520
[10.1002/pan3.70073](https://doi.org/10.1002/pan3.70073)
597. Murad, M., Reuken, P.A., **Schubert, K.**, Reißing, J., Ibidapo-Obe, O., Große, K., Frissen, M., Haedge, F., El-Hassani, M., **von Bergen, M.**, Bruns, T. (2025):
The prognostic significance of HDL-associated apolipoproteins in ascitic fluid from patients with cirrhosis and spontaneous bacterial peritonitis
Sci. Rep. **15**, art. 25714
[10.1038/s41598-025-08238-1](https://doi.org/10.1038/s41598-025-08238-1)
598. **Mutlu, İ., Hackermüller, J., Schor, J.** (2025):
Automated curation of spatial metadata in environmental monitoring data
Ecol. Inform. **86**, art. 103038
[10.1016/j.ecoinf.2025.103038](https://doi.org/10.1016/j.ecoinf.2025.103038)

599. Nabi, D., **Carmona, E.**, Menger, F., **Römerscheid, M.**, **Lips, S.**, Beck, A.J., **Böhme, A.**, Joerss, H., **Jahnke, A.**, Tasdemir, D., Achterberg, E.P. (2025):
UV weathering alters toxicity and chemical composition of consumer plastic leachates
J. Hazard. Mater. **498**, art. 139791
[10.1016/j.jhazmat.2025.139791](https://doi.org/10.1016/j.jhazmat.2025.139791)
600. Nadolski, L., El-Madany, T.S., Nelson, J., Carrara, A., Moreno, G., Nair, R., Luo, Y., **Hildebrandt, A.**, Rolo, V., Reichstein, M., Lee, S.-C. (2025):
Altered seasonal sensitivity of net ecosystem exchange to controls driven by nutrient balances in a semi-arid savanna
Biogeosciences **22** (12), 2935 - 2958
[10.5194/bg-22-2935-2025](https://doi.org/10.5194/bg-22-2935-2025)
601. **Nagel, T.**, **Gerasimov, T.**, Remes, J., Kern, D. (2025):
Neighborhood watch in mechanics: nonlocal models and convolution
SIAM Rev. **67** (1), 176 - 193
[10.1137/22M1541721](https://doi.org/10.1137/22M1541721)
602. **Nagel, T.**, Rühaak, W., Amann, F., Bracke, G., Buske, S., Kowalski, J., Reiche, S., Schäfer, T., Scheytt, T., Stumpf, T., Völzke, H., Wellmann, F., **Kolditz, O.** (2025):
Deep geological disposal
Environ. Earth Sci. **84** (3), art. 78
[10.1007/s12665-024-12075-2](https://doi.org/10.1007/s12665-024-12075-2)
603. **Nagpal, M.**, **Heilemann, J.**, **Samaniego, L.**, **Klauer, B.**, **Gawel, E.**, **Klassert, C.** (2025):
Measuring extremes-driven direct biophysical impacts in agricultural drought damages
Nat. Hazards Earth Syst. Sci. **25** (6), 2115 - 2135
[10.5194/nhess-25-2115-2025](https://doi.org/10.5194/nhess-25-2115-2025)
604. Namazi, A., **Modiri, E.**, Blesić, S., Knežević, O.M., Mirkov, D.M. (2025):
Comparative analysis of machine learning techniques for heart rate prediction employing wearable sensor data
Sports **13** (3), art. 87
[10.3390/sports13030087](https://doi.org/10.3390/sports13030087)
605. Naqvi, S.A.H., Malik, M.T., Umar, U.U.D., Rehman, A.U., Ahmad, S., Hakim, M.F., Mustafa, G., Farhan, M., Pereira, R.M., da Silva Galdino, T.V., Coutinho Picanço, M., **Siqueira da Silva, R.** (2025):
Mango Tree Sudden Decline disease: 65-years global perspective of ecology, biology, epidemiology, and management - Challenge of tropical landscape pathology
Physiol. Mol. Plant Pathol. **138**, art. 102713
[10.1016/j.pmpp.2025.102713](https://doi.org/10.1016/j.pmpp.2025.102713)

606. Nasrabadi, A.M., **Eckstein, D.**, Mettke, P., **Ghanem, N.**, **Kallies, R.**, **Schmidt, M.**, Mothes, F., Schaefer, T., Graefe, R., **Bandara, C.D.**, Maier, M., Liebert, U.G., **Richnow, H.**, Hermann, H. (2025):
A virus aerosol chamber study: The impact of UVA, UVC, and H₂O₂ on airborne viral transmission
Environ. Health **3** (6), 648 - 658
[10.1021/envhealth.4c00215](https://doi.org/10.1021/envhealth.4c00215)
607. Nasta, P., Blöschl, G., Bogena, H.R., **Zacharias, S.**, Baatz, R., De Lannoy, G., Jensen, K.H., Manfreda, S., Pfister, L., Tarquis, A.M., van Meerveld, I., Voltz, M., Zeng, Y., Kustas, W., Li, X., Vereecken, H., Romano, N. (2025):
HESS Opinions: Towards a common vision for the future of hydrological observatories
Hydrol. Earth Syst. Sci. **29** (2), 465 - 483
[10.5194/hess-29-465-2025](https://doi.org/10.5194/hess-29-465-2025)
608. Nau, K., Krug, H.F., Marquardt, C., **Mattern, A.**, Möller, N., Steinbach, C., **Kühnel, D.** (2025):
Reliable communication on advanced materials—The impact of science communication on society
In: Jolly, M., Scholz, S.G., Howlett, R.J., Setchi, R. (eds.)
Sustainable Design and Manufacturing 2024. SDM 2024
Smart Innovation, Systems and Technologies 112
Springer Nature, Singapore, p. 57 - 66
[10.1007/978-981-96-4459-9_6](https://doi.org/10.1007/978-981-96-4459-9_6)
609. Nava, V., Dar, J.Y., De Santis, V., Fehlinger, L., **Pasqualini, J.**, Adekolurejo, O.A., Burri, B., Cabrerizo, M.J., Chonova, T., Cour, M., Dory, F., Drost, A.M., Figler, A., Gionchetta, G., Halabowski, D., Harvey, D.R., Manzanares-Vázquez, V., Misteli, B., Mori-Bazzano, L., Moser, V., Rotta, F., Schmid-Paech, B., Touchet, C.M., Gostyńska, J. (2025):
Zooming in the plastisphere: the ecological interface for phytoplankton–plastic interactions in aquatic ecosystems
Biol. Rev. **100** (2), 834 - 854
[10.1111/brv.13164](https://doi.org/10.1111/brv.13164)
610. Neale, P.A., **Escher, B.I.**, Leusch, F.D.L. (2025):
Applying effect-based methods to evaluate the mixture effects of disinfection by-products and other chemicals in disinfected water
Curr. Opin. Environ. Sci. Health **48**, art. 100678
[10.1016/j.coesh.2025.100678](https://doi.org/10.1016/j.coesh.2025.100678)

611. Nelson, R.A., Sullivan, L.L., Hersch-Green, E.I., Seabloom, E.W., Borer, E.T., Tognetti, P.M., Adler, P.B., Biederman, L., Bugalho, M.N., Caldeira, M.C., Cancela, J.P., Carvalheiro, L.G., Catford, J.A., Dickman, C.R., Dolezal, A.J., Donohue, I., Ebeling, A., Eisenhauer, N., Elgersma, K.J., Eskelinen, A., Estrada, C., Garbowski, M., Graff, P., Gruner, D.S., Hagenah, N., Haider, S., **Harpole, W.S.**, Hautier, Y., Jentsch, A., Johanson, N., Koerner, S.E., Lannes, L.S., MacDougall, A.S., Martinson, H., Morgan, J.W., Venterink, H.O., Orr, D., Osborne, B.B., Peri, P.L., Power, S.A., Raynaud, X., Risch, A.C., Shrestha, M., Smith, N.G., Stevens, C.J., Veen, G.F.C., Virtanen, R., Wardle, G.M., Wolf, A.A., Young, A.L., Harrison, S.P. (2025):
Forb diversity globally is harmed by nutrient enrichment but can be rescued by large mammalian herbivory
Commun. Biol. **8** , art. 444
[10.1038/s42003-025-07882-7](https://doi.org/10.1038/s42003-025-07882-7)
612. Neumann, A., Sammallahti, S., Cosin-Tomas, M., Reese, S.E., Suderman, M., Alemany, S., Almqvist, C., Andrusaityte, S., Arshad, S.H., Bakermans-Kranenburg, M.J., Beilin, L., Breton, C., Bustamante, M., Czamara, D., Dabelea, D., Eng, C., Eskenazi, B., Fuemmeler, B.F., Gilliland, F.D., Grazuleviciene, R., Håberg, S.E., **Herberth, G.**, Holland, N., Hough, A., Hu, D., Huen, K., Hüls, A., Jarvelin, M.-R., Jin, J., Julvez, J., Koletzko, B.V., Koppelman, G.H., Kull, I., Lu, X., Maitre, L., Mason, D., Melén, E., Merid, S.K., Molloy, P.L., Mori, T.A., Mulder, R.H., Page, C.M., Richmond, R.C., **Röder, S.**, Ross, J.P., Schellhas, L., Sebert, S., Sheppard, D., Snieder, H., Starling, A.P., Stein, D.J., Tindula, G., van IJzendoorn, M.H., Vonk, J., Walton, E., Witonsky, J., Xu, C.-J., Yang, I.V., Yousefi, P.D., Zar, H.J., **Zenclussen, A.C.**, Zhang, H., Tiemeier, H., London, S.J., Felix, J.F., Cecil, C. (2025):
Epigenetic timing effects on child developmental outcomes: a longitudinal meta-regression of findings from the Pregnancy And Childhood Epigenetics Consortium
Genome Med. **17** , art. 39
[10.1186/s13073-025-01451-7](https://doi.org/10.1186/s13073-025-01451-7)
613. **Neumann, C., Sritongchuay, T., Seppelt, R.** (2025):
Model-based impact analysis of climate change and land-use intensification on trophic networks
Ecography **2025** (4), e07533
[10.1111/ecog.07533](https://doi.org/10.1111/ecog.07533)
614. **Nguyen, V.T.**, Tran, V.N., Tran, H., Van Binh, D., Duong, T.D., Dang, T.D., **Ebeling, P.** (2025):
HydroEcoLSTM: A Python package with graphical user interface for hydro-ecological modeling with long short-term memory neural network
Ecol. Inform. **85** , art. 102994
[10.1016/j.ecoinf.2025.102994](https://doi.org/10.1016/j.ecoinf.2025.102994)

615. Ni, X., Dong, Z., Jia, W., Wang, W., Xie, W., Yao, H., **Chen, M.**, Zhang, T., Li, Z. (2025):
A novel method for measuring interaction among multiple objectives in reservoir operation using niche theory
Water Sci. Eng. **18** (1), 78 - 89
[10.1016/j.wse.2024.03.002](https://doi.org/10.1016/j.wse.2024.03.002)
616. **Nicolay, E.K., Massei, R.**, Trofimova, D., Haase, R., Isensee, F., **Tal, T.** (2025):
Establishing a high-content imaging workflow to investigate the effect of environmental chemicals on macrophages and enteric neurons in zebrafish larvae
Neurogastroenterol. Motil. **37** (S2), e70126 - NGS21070-82
[10.1111/nmo.70126](https://doi.org/10.1111/nmo.70126)
617. **Nieto, E.E., Ghanem, N.**, Cammarata, R.V., **Borim Corrêa, F.**, Coppotelli, B.M., **Chatzinotas, A.** (2025):
Effects of a novel *Paraburkholderia* phage IPK on the phenanthrene degradation efficiency of the PAH-degrading strain *Paraburkholderia caledonica* Bk
Biodegradation **36** (5), art. 86
[10.1007/s10532-025-10181-x](https://doi.org/10.1007/s10532-025-10181-x)
618. Niknam Safari Kouchi, E., Nikooee, E., Habibagahi, G., Niazi, A., **Nagel, T.** (2025):
The swelling characteristics of an unsaturated bio-cemented sand-bentonite mixture: Analyzing the effect of bacterial concentration and suction
Iran. J. Sci. Technol.-Trans. Civ. Eng. **49** , 6005 - 6025
[10.1007/s40996-025-01808-3](https://doi.org/10.1007/s40996-025-01808-3)
619. **Nikolausz, M.**, Kornatz, P. (2025):
The future of anaerobic digestion: challenges and opportunities
Bioengineering **12** (5), art. 524
[10.3390/bioengineering12050524](https://doi.org/10.3390/bioengineering12050524)
620. **Niu, L., Gärtner, A.A.E., König, M., Krauss, M.**, Spahr, S., **Escher, B.I.** (2025):
Role of suspended particulate matter for the transport and risks of organic micropollutant mixtures in rivers: A comparison between baseflow and high discharge conditions
Environ. Sci. Technol. **59** (10), 4857 - 4867
[10.1021/acs.est.4c13378](https://doi.org/10.1021/acs.est.4c13378)
621. Noble, D.W.A., Xirocostas, Z.A., Wu, N.C., Martinig, A.R., Almeida, R.A., Bairos-Novak, K.R., **Takola, E.**, Thoré, E.S.J., et al. (2025):
The promise of community-driven preprints in ecology and evolution
Proc. R. Soc. B-Biol. Sci. **292** (2039), art. 20241487
[10.1098/rspb.2024.1487](https://doi.org/10.1098/rspb.2024.1487)

622. **Nöth, J., Michaelis, P., Schüler, L., Scholz, S., Krüger, J., Haake, V., Busch, W.** (2025):
Dynamics in zebrafish development define transcriptomic specificity after angiogenesis inhibitor exposure
Arch. Toxicol. **99** (4), 1561 - 1578
[10.1007/s00204-024-03944-7](https://doi.org/10.1007/s00204-024-03944-7)
623. **Nothaaß, D., Huth, A.** (2025):
Community recomposition caused by species extinction in the colonization-competition trade-off model for vegetation
Ecol. Model. **499**, art. 110906
[10.1016/j.ecolmodel.2024.110906](https://doi.org/10.1016/j.ecolmodel.2024.110906)
624. **Nunes da Rocha, U., Bonidia, R., Dzevela Kong, J., Dauhajre, M., Struchiner, C., Goedert, G., Stadler, P.F., Sanches, D., Day, T., Castro, M.C., Edmunds, J., Colomé-Hidalgo, M., Herrera Morban, D.A., Franco, E.F., Ugarte-Gil, C., Espinoza-Lopez, P., Carrasco-Escobar, G., de Carvalho, A.** (2025):
Democratising artificial intelligence for pandemic preparedness and global governance in Latin American and Caribbean countries
Microb. Biotechnol. **18** (10), e70256
[10.1111/1751-7915.70256](https://doi.org/10.1111/1751-7915.70256)
625. **Nyffeler, J.** (2025):
Application of cell painting in environmental toxicology
Toxicol. Lett. **411** (Supplement), S32
[10.1016/j.toxlet.2025.07.099](https://doi.org/10.1016/j.toxlet.2025.07.099)
626. **Nyffeler, J., Harris, F.R., Willis, C., Byrd, G., Blackwell, B., Escher, B.I., Kasperek, A., Nichols, J., Haselman, J.T., Patlewicz, G., Villeneuve, D.L., Harrill, J.A.** (2025):
A combination of high-throughput in vitro and in silico new approach methods for ecotoxicology hazard assessment for fish
Environ. Toxicol. Chem. **44** (9), 2599 - 2621
[10.1093/etojnl/vgae083](https://doi.org/10.1093/etojnl/vgae083)
627. **Nyffeler, J., Tal, T., Schildknecht, S., Viviani, B., Tanja, B., Fu, Q., Owen, R., Krishnakumar, A.E.V., Mangas, I., Terron, A.** (2025):
Towards a defined approach to assess pesticides for their potential to cause Parkinsonian neurodegeneration
Toxicol. Lett. **411** (Supplement), S397 - S398
[10.1016/j.toxlet.2025.07.916](https://doi.org/10.1016/j.toxlet.2025.07.916)

628. **Oh, R.R.Y.**, Suarez Castro, A.F., Fuller, R.A., Tervo, M., **Rozario, K.**, **Peters, B.**, **Chowdhury, S.**, **von Gönner, J.**, **Friedrichs-Manthey, M.**, Berger, A., Schultz, T., Dean, A.J., Tulloch, A., **Bonn, A.** (2025):
Using nature-based citizen science initiatives to enhance nature connection and mental health
Front. Environ. Sci. **13**, art. 1461601
[10.3389/fenvs.2025.1461601](https://doi.org/10.3389/fenvs.2025.1461601)
629. Ohlert, T., Smith, M.D., Collins, S.L., Knapp, A.K., Dukes, J.S., Sala, O., Wilkins, K.D., Munson, S.M., Anderson, M.I., Avolio, M.L., Chen, A., Hayden, M.T., Holdrege, M.C., Slette, I.J., Wilfahrt, P., Beier, C., Fraser, L.H., Jentsch, A., Loik, M.E., Luo, Y., Maestre, F.T., Phillips, R.P., Power, S.A., Yahdjian, L., Yu, Q., Chen, A., Felton, A.J., Gherardi, L.A., Lyon, N.J., Abdoli, H., Abedi, M., Alberti, J., Arroyo, A.I., Asbjornsen, H., **Auge, H.**, Bachle, S., Bahn, M., Bartholomew, D.C., Batbaatar, A., Bauerle, T.L., Beard, K.H., Behn, K., Beil, I., Biancari, L., Blindow, I., Bondaruk, V.F., Borer, E.T., Bork, E.W., Bruschetti, C.M., Byrne, K.M., Cahill jr., J.F., Calvo, D.A., Carbognani, M., Carlyle, C.M., Castillioni, K., Castillo-Garcia, M., Chandregowda, M.H., Chang, S.X., Chieppa, J., Churchill, A.C., Cianciaruso, M.V., Cordeiro, A.L., Cousins, S.A.O., Cusack, D.F., Dahlke, S., Daleo, P., Dietterich, L.H., Dubbert, M., Eisenhauer, N., Forte, T.G.W., Funk, F.A., Galiano, D., Greenville, A.C., Han, L., Haugum, S.V., Hautier, Y., Hector, A., Henry, H.A.L., Hoss, D., Isbell, F., Jordan, S.E., Ke, Y., Kelly, E.F., Koerner, S.E., Kreyling, J., Kröel-Dulay, G., Kröpfl, A.I., Kübert, A., Kulmatiski, A., Lamb, E.G., Larsen, K.S., Lee, S., Limbu, S.P., Linstädter, A., Liu, S., Longo, G., Loydi, A., Luan, J., Lubbe, F.C., Malyshev, A.V., McIntire, C.D., Metcalfe, D.B., Mokoka, M.V., Mori, A.S., Mudongo, E., Newman, G.S., Nielsen, U.N., Ochoa-Hueso, R., O'Connor, R.C., Ogaya, R., Oñatibia, G.R., Orbán, I., Osborne, B.B., Otfinowski, R., Pärtel, M., Pascual, J., Peñuelas, J., Peri, P.L., Pescador, D.S., Peter, G., Petraglia, A., Picon-Cochard, C., Pillar, V.D., Piñeiro-Guerra, J.M., Ploughe, L.W., Plowes, R.M., Portales-Reyes, C., Prober, S.M., Pueyo, Y., Rahmati, G., Reed, S.C., Rodríguez, D.A., Rogers, W.E., **Roscher, C.**, Rowley, D.W., Sánchez, A.M., Santos, B.A., Schellenberg, M.P., Scherer-Lorenzen, M., Seabloom, E.W., Shen, R., Shi, B., Souza, L., Stampfli, A., Standish, R.J., Sternberg, M., Sun, W., Sünnemann, M., Tedder, M., Terry, T.J., Thorvaldsen, P., Tielbörger, K., Tissink, M., Vadeboncoeur, M.A., Valdecantos, A., van den Brink, L., Vandvik, V., Velle, L.G., Wanke, S., Wardle, G.M., Wei, C., Werner, C., Wiehl, G., Williams, J.L., Wolf, A.A., Wu, H., Xu, C., Yang, X., Yang, Y., Yost, J.L., Young, A.L., Yue, P., Zeberio, J.M., Zeiter, M., Zhang, H., Zhu, J., Zuo, X. (2025):
Drought intensity and duration interact to magnify losses in primary productivity
Science **390** (6770), 284 - 289
[10.1126/science.ads8144](https://doi.org/10.1126/science.ads8144)

630. **Ohnemus, T.,** Dirnböck, T., Bäck, J., Gaube, V., **Kühn, I., Mirtl, M., Mollenhauer, H.,** Vereecken, H., **Zacharias, S.** (2025):
Fitness for future: eLTER RI's representation of climate and land use change
Ecol. Indic. **171** , art. 113159
[10.1016/j.ecolind.2025.113159](https://doi.org/10.1016/j.ecolind.2025.113159)
631. **Ohnemus, T., Zacharias, S.,** Bäck, J., **Mirtl, M.,** Dirnböck, T. (2025):
The potential of co-location to mitigate sampling bias in Research Infrastructures
Ecol. Indic. **181** , art. 114376
[10.1016/j.ecolind.2025.114376](https://doi.org/10.1016/j.ecolind.2025.114376)
632. Oprei, A., Franzmann, I., Schreckinger, J., Mutz, M., **Risse-Buhl, U.** (2025):
From soil to sediment: Bedform migration shapes microbial communities from eroding bank soil during terrestrial–aquatic regime shift
J. Geophys. Res.-Biogeosci. **130** (10), e2024JG008549
[10.1029/2024JG008549](https://doi.org/10.1029/2024JG008549)
633. Oscilowicz, E., Anguelovski, I., García-Lamarca, M., Cole, H.V.S., Shokry, G., **Perez-del-Pulgar, C.,** Argüelles, L., Connolly, J.J.T. (2025):
Grassroots mobilization for a just, green urban future: Building community infrastructure against green gentrification and displacement
J. Urban Aff. **47** (2), 347 - 380
[10.1080/07352166.2023.2180381](https://doi.org/10.1080/07352166.2023.2180381)
634. **Otto, D., Reckhaus, Z., Kuhlicke, C.** (2025):
Caring, coping and rebuilding — The role of social infrastructure during and after the 2021 flood event in Germany
J. Flood Risk Manag. **18** (1), e70007
[10.1111/jfr3.70007](https://doi.org/10.1111/jfr3.70007)
635. **Owen, R.,** de Macedo, G., Nerlich, J., Scharkin, I., Bartmann, K., Döbler, J., **Engelmann, B., Rolle-Kampczyk, U.E., Leuthold, D., Gutsfeld, S., Schweiger, N., Tal, T.** (2025):
Perfluorooctanesulfonic acid (PFOS) antagonizes gamma-aminobutyric acid (GABA) receptors in larval zebrafish and mammalian models
Toxicol. Sci. **207** (2), 449 - 466
[10.1093/toxsci/kfaf101](https://doi.org/10.1093/toxsci/kfaf101)
636. **Owen, R.,** Herzke, D., Haug, L.S., Myhre, O., Nerlich, J., Scharkin, I., Bartmann, K., **Tal, T.** (2025):
Exposure to a human-relevant PFAS mixture causes behavioral effects in larval zebrafish: A focus on chemical drivers, phenotypes, and underlying mechanisms
Toxicol. Lett. **411** (Supplement), S56 - S57
[10.1016/j.toxlet.2025.07.165](https://doi.org/10.1016/j.toxlet.2025.07.165)

637. **Paasche, H., Dega, S., Schrön, M., Dietrich, P.** (2025):
Comprehensive data aleatory uncertainty propagation in regression random forest using a Monte Carlo approach: a struggle with incomplete data provision using a case study on probabilistic soil moisture regionalization
Front. Environ. Sci. **13**, art. 1599320
[10.3389/fenvs.2025.1599320](https://doi.org/10.3389/fenvs.2025.1599320)
638. **Paasche, H., Dumais, M.-A., Haase, C., Larsen, B.E., Nasuti, A., Saalman, K., Tassis, G., Wang, Y., Müller, A., Bronner, M.** (2025):
Data-driven pegmatite exploration targeting in a geologically underexplored area in the Tysfjord region, Norway
Geophys. Prospect. **73** (6), e70060
[10.1111/1365-2478.70060](https://doi.org/10.1111/1365-2478.70060)
639. Pafumi, E., Angiolini, C., Bacaro, G, Fanfarillo, E., Fiaschi, T., Rocchini, D., Sarmati, S., Torresani, M., **Feilhauer, H., Maccherini, S.** (2025):
Fuzzy approaches provide improved spatial detection of coastal dune EU habitats
Ecol. Inform. **86**, art. 103059
[10.1016/j.ecoinf.2025.103059](https://doi.org/10.1016/j.ecoinf.2025.103059)
640. **Pan, M., Amarante Colpo, R., Roussou, S., Ding, C., Lindblad, P., Krömer, J.O.** (2025):
Engineering a photoautotrophic microbial coculture toward enhanced biohydrogen production
Environ. Sci. Technol. **59** (1), 337 - 348
[10.1021/acs.est.4c08629](https://doi.org/10.1021/acs.est.4c08629)
641. **Pan, M., Krömer, J.O.** (2025):
Phototrophe Konsortien für nachhaltige Energie und Stoffkreisläufe
Biospektrum **31**, 764 - 766
[10.1007/s12268-025-2624-4](https://doi.org/10.1007/s12268-025-2624-4)
642. Pandey, K., **Saharan, B.S.** (2025):
Potassium-solubilizing endophytes: mechanisms and applications in enhancing sustainable agriculture and plant resilience
Symbiosis **95** (3), 291 - 305
[10.1007/s13199-025-01052-3](https://doi.org/10.1007/s13199-025-01052-3)
643. Papadopoulou, K.K., **Chatzinotas, A., Diaz-Otero, B.G., Brader, G., Karpouzas, D.G., Garces Ruiz, M., Prados, J.L.A., Declerck, S., Kellari, L.M., Sessitsch, A.** (2025):
Benefits and challenges of upcoming microbial plant protection applications sustaining planetary health
iScience **28** (10), art. 113557
[10.1016/j.isci.2025.113557](https://doi.org/10.1016/j.isci.2025.113557)

644. Park, J.-W., Park, C.-H., Park, E.-S., **Kolditz, O.** (2025):
A novel FEM–DEM coupling methodology for hydro-mechanical modeling in fractured geological media
Int. J. Rock Mech. Min. Sci. **196** , art. 106324
[10.1016/j.ijrmms.2025.106324](https://doi.org/10.1016/j.ijrmms.2025.106324)
645. Parreño, M.A., Werle, S., Buydens, L., Spitzer, J., Härtl, F., Montoya, J., Ruedenauer, F., Arisoy, B., Seiler, R., Leroy, C., Feng-Spitz, Q., Nebauer, C.A., Ferrari, A., Proessl, N., Borchardt, R., **Peters, B.**, Siebler, S., Reese, M., Schumacher, N., Phung, T., Schildt, K., Ebensberger, J., Seiler, M., Reiter, P., Beelaert, S., Buydens, M., Koirala, S., Moreniere, J., Tänzler, R., Alaux, C., Filipiak, M., Meeus, I., Piot, N., Kuhlmann, M.T., Requier, F., Klein, A.M., Brunet, J.L., Henry, M., Keller, A., Leonhardt, S.D. (2025):
Data on visitation records from wild bees and plants along a land use gradient in Germany and Belgium: laboratory work and protocol description for barcoding
Data Brief **61** , art. 111672
[10.1016/j.dib.2025.111672](https://doi.org/10.1016/j.dib.2025.111672)
646. Pärtel, M., Tamme, R., Carmona, C.P., Riibak, K., Moora, M., Bennett, J.A., **Korell, L.**, Koroleva, N., et al. (2025):
Global impoverishment of natural vegetation revealed by dark diversity
Nature **641** (8064), 917 - 924
[10.1038/s41586-025-08814-5](https://doi.org/10.1038/s41586-025-08814-5)
647. **Pasqualini, J.**, Majdi, N., **Weitere, M.**, **Brauns, M.** (2025):
The contribution of the hyporheos to whole-stream invertebrate secondary production
Freshw. Sci. **44** (2), 170 - 186
[10.1086/735823](https://doi.org/10.1086/735823)
648. Paulus, S.J., Migliavacca, M., Reichstein, M., Orth, R., Lee, S.-C., Carrara, A., **Hildebrandt, A.**, Nelson, J.A. (2025):
Insights into water vapor uptake by dry soils using a global eddy covariance observation network
Glob. Change Biol. **31** (10), e70547
[10.1111/gcb.70547](https://doi.org/10.1111/gcb.70547)
649. **Pe'er, G.**, **Kachler, J.**, Herzon, I., Hering, D., Arponen, A., Bosco, L., Bruelheide, H., **Finch, E.A.**, **Friedrichs-Manthey, M.**, Hagedorn, G., **Hansjürgens, B.**, **Ladouceur, E.**, Lakner, S., Liqueste, C., López-Hoffman, L., Sousa Pinto, I., Robuchon, M., Selva, N., **Settele, J.**, Sirami, C., van Dam, N.M., **Wittmer, H.**, **Bonn, A.** (2025):
Role of science and scientists in public environmental policy debates: The case of EU agrochemical and Nature Restoration Regulations
People Nat. **7** (8), 1772 - 1788
[10.1002/pan3.70064](https://doi.org/10.1002/pan3.70064)

650. Pellicer-Valero, O.J., Fernández-Torres, M.-Á., Ji, C., **Mahecha, M.D.**, Camps-Valls, G. (2025):
Explainable earth surface forecasting under extreme events
Earth Future **13** (9), e2024EF005446
[10.1029/2024EF005446](https://doi.org/10.1029/2024EF005446)
651. Pena, R., Awad, A., **Nawaz, A.**, Shang, Y., **Wubet, T.**, Tibbett, M. (2025):
Unravelling the facilitation-competition continuum among ectomycorrhizal and saprotrophic fungi
Soil Biol. Biochem. **208**, art. 109865
[10.1016/j.soilbio.2025.109865](https://doi.org/10.1016/j.soilbio.2025.109865)
652. **Peng, C.**, Wang, S., Zhu, Y., Li, A., Yu, G., Mao, Q., Zheng, M., Huang, J., Tan, X., Mo, J., Zhang, W. (2025):
Adsorption/desorption processes dominate the soil P fractions dynamic under long-term N/P addition in a subtropical forest
Geoderma **457**, art. 117284
[10.1016/j.geoderma.2025.117284](https://doi.org/10.1016/j.geoderma.2025.117284)
653. **Penzel, S., Mayer, T., Borsdorf, H.**, Rudolph, M., Kanoun, O. (2025):
In situ water quality monitoring for the assessment of algae and harmful substances in water bodies with consideration of uncertainties
Sensors **25** (22), art. 7055
[10.3390/s25227055](https://doi.org/10.3390/s25227055)
654. **Penzel, S., Mayer, T., Goblirsch, T., Borsdorf, H.**, Rudolph, M., Kanoun, O. (2025):
A novel turbidity compensation method for water measurements by UV/Vis and fluorescence spectroscopy
Measurement **239**, art. 115447
[10.1016/j.measurement.2024.115447](https://doi.org/10.1016/j.measurement.2024.115447)
655. Penzel, S., Rudolph, M., **Borsdorf, H.**, Kanoun, O. (2025):
Development of a methodology for monitoring of key parameters for the early assessment of water quality in reservoirs
2025 IEEE International Instrumentation and Measurement Technology Conference (I2MTC), Chemnitz, Germany, 19-22 May 2025
IEEE International Instrumentation and Measurement Technology Conference
Institute of Electrical and Electronics Engineers (IEEE), New York, NY, p. 1 - 5
[10.1109/I2MTC62753.2025.11078949](https://doi.org/10.1109/I2MTC62753.2025.11078949)

656. **Perea, A.J., Wiegand, T.,** Bastida, J.M., Pajares-Murgó, M., Cano, D., López-García, Á., Pomareda, L.C., Prieto-Rubio, J., Rey, P.J., Garrido, J.L., Alcántara, J.M. (2025): Seed dispersal mechanisms modulate Janzen-Connell effects in Mediterranean forests through antagonists and mutualists
Funct. Ecol. **39** (1), 77 - 90
[10.1111/1365-2435.14692](https://doi.org/10.1111/1365-2435.14692)
657. Pérez-Granados, C., Benítez-López, A., Díaz, M., Gameiro, J., Lenzner, B., Roura-Pascual, N., Gómez-Catasús, J., Tarjuelo, R., **Golivets, M.,** Latombe, G., et al. (2025): Key conservation actions for European steppes in the context of the Post-2020 Global Biodiversity Framework
Sustain. Sci. **20** (2), 499 - 509
[10.1007/s11625-024-01602-6](https://doi.org/10.1007/s11625-024-01602-6)
658. Pérez-Granados, C., Lenzner, B., Díaz, M., Benítez-López, A., Marques, A.T., Tarjuelo, R., Gómez-Catasús, J., Roura-Pascual, N., Vögeli, M., Valera, F., Václav, R., Tryjanowski, P., Traba, J., Santangeli, A., Ruiz Jiménez, G., Revilla-Martín, N., Mougeot, F., Moreira, F., Morales, M.B., Mañosa, S., López-Iborra, G.M., Latombe, G., **Golivets, M.,** Concepción, E.D., Cabodevilla, X., Brotons, L., Bravo, C., Brambilla, M., Bota, G., Bolonio, L., Arroyo, B., Zurdo, J., Silva, J.P., Serrano, D., Sanz-Pérez, A., Salgado, I., Šálek, M., Sáez-Gómez, P., Reverter, M., Onrubia, A., Olea, P.P., Nikolov, B., Martín, C.A., López-Poveda, G., Leiva, A., Giralt, D., Crispim-Mendes, T., Casas, F., Bustillo-de la Rosa, D., Barrero, A., Gameiro, J. (2025): Using scenarios for reducing uncertainties in biodiversity conservation: From global targets to European steppes
Conserv. Lett. **18** (5), e13138
[10.1111/conl.13138](https://doi.org/10.1111/conl.13138)
659. **Perujo, N., Graeber, D., Fink, P., Neuert, L., Sunjidmaa, N., Weitere, M.** (2025): Bioavailable dissolved organic carbon serves as a key regulator of phosphorus dynamics in stream biofilms
Environ. Microbiol. Rep. **17** (3), e70115
[10.1111/1758-2229.70115](https://doi.org/10.1111/1758-2229.70115)
660. Peruzzo, L., **Werban, U., Pohle, M.,** Pavoni, M., Mary, B., Cassiani, G., Consoli, S., Vanella, D. (2025): High-resolution frequency-domain electromagnetic mapping for the hydrological modeling of an orange orchard
Soil **11** (2), 811 - 831
[10.5194/soil-11-811-2025](https://doi.org/10.5194/soil-11-811-2025)

661. Peters, J., Avramidou, N., Hennecke, D., Simon, M., Schäffer, A., **Jahnke, A.**, Hüben, M. (2025):
Performance of a modified screening method for polymer biodegradability testing
Environ. Sci. Eur. **37** , art. 86
[10.1186/s12302-025-01126-5](https://doi.org/10.1186/s12302-025-01126-5)
662. Petersen, C., Læssøe, J., Russel, D., **Elze, S., Banzhaf, E.** (2025):
Interactive walkable floor maps as a science-policy-interface tool for nature-based solutions
Nature-Based Solutions **8** , art. 100262
[10.1016/j.nbsj.2025.100262](https://doi.org/10.1016/j.nbsj.2025.100262)
663. Petrova, E., **Selzer, P.**, Kranz, S., Zeilfelder, S., Hebig, K.H., Machida, I., Marui, A., Blöcher, G., Scheytt, T. (2025):
Surrogate-model-based calibration of effective transport parameters from push-pull tests in the Horonobe aquifer (Japan)
Geothermics **133** , art. 103449
[10.1016/j.geothermics.2025.103449](https://doi.org/10.1016/j.geothermics.2025.103449)
664. **Phalempin, M.**, Jentzsch, N., **Köhne, J.M., Schreiter, S., Gründling, R., Vetterlein, D., Schlüter, S.** (2025):
Soil structure development in a five-year chronosequence of maize cropping on two contrasting soil textures
Soil Tillage Res. **251** , art. 106561
[10.1016/j.still.2025.106561](https://doi.org/10.1016/j.still.2025.106561)
665. **Phalempin, M.**, Krämer, L., Geers-Lucas, M., Isensee, F., **Schlüter, S.** (2025):
Deep learning segmentation of soil constituents in 3D X-ray CT images
Geoderma **458** , art. 117321
[10.1016/j.geoderma.2025.117321](https://doi.org/10.1016/j.geoderma.2025.117321)
666. **Phalempin, M.**, Schneider, H., Han, E., Cheng, L., **Vetterlein, D.** (2025):
Designing future roots with the power of databases
Trends Plant Sci. **30** (5), 439 - 441
[10.1016/j.tplants.2025.01.012](https://doi.org/10.1016/j.tplants.2025.01.012)
667. **Philipp, L., Blagodatskaya, E., Tarkka, M., Reitz, T.** (2025):
Soil microbial communities are more disrupted by extreme drought than by gradual climate shifts under different land-use intensities
Front. Microbiol. **16** , art. 1649443
[10.3389/fmicb.2025.1649443](https://doi.org/10.3389/fmicb.2025.1649443)

668. **Philipp, L.,** Sünemann, M., **Schädler, M., Blagodatskaya, E., Tarkka, M., Eisenhauer, N., Reitz, T.** (2025):
Soil depth shapes the microbial response to land use and climate change in agroecosystems
Appl. Soil Ecol. **209** , art. 106025
[10.1016/j.apsoil.2025.106025](https://doi.org/10.1016/j.apsoil.2025.106025)
669. Philippe, A., Tayyebi Sabet Khomami, N., **Gad, M.,** Hahn, F., Trouillet, V., **Lechtenfeld, O.,** Kunz, S., Gormaz Aravena, M.J., Wollersen, V., Di Lodovico, E. (2025):
Measuring and predicting the ζ -potential of anthropogenic TiO₂ nanoparticles in surface waters
Environ. Sci.-Nano **12** (10), 4646 - 4664
[10.1039/d5en00248f](https://doi.org/10.1039/d5en00248f)
670. **Pieńkowska, A., Fleischmann, J., Drabesch, S., Merbach, I., Wang, G., Nunes da Rocha, U., Reitz, T., Muehe, E.M.** (2025):
Long-term organic fertilization shields soil prokaryotes from metal stress while mineral fertilization exacerbates it
Environ. Pollut. **382** , art. 126747
[10.1016/j.envpol.2025.126747](https://doi.org/10.1016/j.envpol.2025.126747)
671. Piergiovanni, M., Mennecozi, M., Barale-Thomas, E., Danovi, D., Dunst, S., Egan, D., Fassi, A., Hartley, M., Kainz, P., Koch, K., Le Dévédec, S.E., Mangas, I., Miranda, E., **Nyffeler, J.,** Pesenti, E., Ricci, F., Schmied, C., Schreiner, A., Stokar-Regenscheit, N., Swedlow, J.R., Uhlmann, V., Wieland, F.C., Wilson, A., Whelan, M. (2025):
Bridging imaging-based in vitro methods from biomedical research to regulatory toxicology
Arch. Toxicol. **99** (4), 1271 - 1285
[10.1007/s00204-024-03922-z](https://doi.org/10.1007/s00204-024-03922-z)
672. Pinto-Vidal, F.A., **Krauss, M.,** Novák, J., Melymuk, L., **Brack, W.,** Hilscherová, K. (2025):
Identification of compounds contributing to glucocorticoid activity in indoor dust supported by orthogonal fractionation
Environ. Pollut. **367** , art. 125579
[10.1016/j.envpol.2024.125579](https://doi.org/10.1016/j.envpol.2024.125579)
673. Pisa, L.W., Amaral-Rogers, V., Belzunces, L.P., Bonmatin, J.M., Downs, C.A., Goulson, D., Kreuzweiser, D.P., Krupke, C., **Liess, M.,** McField, M., Morrissey, C.A., Noome, D.A., **Settele, J.,** Simon-Delso, N., Stark, J.D., Van der Sluijs, J.P., Van Dyck, H., **Wiemers, M.** (2025):
Correction to: Effects of neonicotinoids and fipronil on non-target invertebrates
Environ. Sci. Pollut. Res. **32** , 26017 - 26018
[10.1007/s11356-025-37124-6](https://doi.org/10.1007/s11356-025-37124-6)

674. **Pothmann, P.**, Kampen, H., Werner, D., **Thulke, H.-H.** (2025):
Systematic review of variable selection bias in species distribution models for *Aedes vexans* (Diptera: Culicidae)
Insects **16** (10), art. 1061
[10.3390/insects16101061](https://doi.org/10.3390/insects16101061)
675. Pottier, P., **Oh, R.R.Y.**, Pollo, P., Rivera-Villanueva, A.N., Yang, Y., Varon, S., Longo, A.V., Burke, S., Lin, H.-Y., Valdebenito, J.O., Amano, T., Drobniak, S.M., Nakagawa, S., Claunch, N. (2025):
AmphiTherm: a comprehensive database of amphibian thermal tolerance and preference
Sci. Data **12**, art. 1987
[10.1038/s41597-025-06286-w](https://doi.org/10.1038/s41597-025-06286-w)
676. Potts, S.G., Bartomeus, I., Biesmeijer, K., Bosch, J., Breeze, T., Kleijn, D., Michez, D., Oteman, B., Quaranta, M., **Schweiger, O.**, Vujic, A. (2025):
EU Pollinator Monitoring Scheme: a science-policy co-design process – a reply to Krahner et al.
J. Pollinat. Ecol. **38**, 186 - 190
[10.26786/1920-7603\(2025\)871](https://doi.org/10.26786/1920-7603(2025)871)
677. **Pouresmaeil, S.**, Schliermann, T., **Schmidt, M.**, **Harnisch, F.**, Kretzschmar, J. (2025):
Biochar cathodes for bioelectrochemical systems: understanding the effect of material heterogeneity on performance for abiotic hydrogen evolution reaction
ChemElectroChem **12** (20), e202500008
[10.1002/celec.202500008](https://doi.org/10.1002/celec.202500008)
678. Prasianakis, N.I., Laloy, E., Jacques, D., Meeussen, J.C.L., Miron, G.D., Kulik, D.A., Idiart, A., Demirer, E., Coene, E., Cochepin, B., Leconte, M., Savino, M.E., Samper-Pilar, J., De Lucia, M., Churakov, S.V., **Kolditz, O.**, Yang, C., Samper, J., Claret, F. (2025):
Geochemistry and machine learning: methods and benchmarking
Environ. Earth Sci. **84** (5), art. 121
[10.1007/s12665-024-12066-3](https://doi.org/10.1007/s12665-024-12066-3)
679. Pratisoli Pancieri, G., do Socorro Cavalcante de Souza Mota, M., da Silva Paes, J., da Silva Sant'Ana, L.C., Magalhães Soares, J., das Graças do Carmo, D., **Siqueira da Silva, R.**, Coutinho Picanço, M. (2025):
Prediction model of the temporal dynamics of severe pest cashew *Anacampsis phytomiella* using artificial neural networks
J. Appl. Entomol. **149** (3), 350 - 362
[10.1111/jen.13383](https://doi.org/10.1111/jen.13383)

680. **Prause, L.** (2025):
The farm as digital factory: controlling labour and nature in digital agriculture
J. Peasant Stud. **52** (5), 907 - 925
[10.1080/03066150.2024.2443667](https://doi.org/10.1080/03066150.2024.2443667)
681. Prifling, B., Weber, M., Rötzer, M., Ray, N., Prechtel, A., **Phalempin, M., Schlüter, S., Vetterlein, D.**, Schmidt, V. (2025):
Correlating pore space morphology with numerically computed soil gas diffusion for structured loam and sand, including stochastic 3D microstructure modeling
Sci. Rep. **15**, art. 20174
[10.1038/s41598-025-05825-0](https://doi.org/10.1038/s41598-025-05825-0)
682. **Pröbstl, F.** (2025):
Biodiversity Policy Integration at the sub-national level: Insights from the German *Länder* in the context of sub-national biodiversity strategies and action plans
J. Environ. Pol. Plan. **27** (4), 329 - 342
[10.1080/1523908X.2024.2446478](https://doi.org/10.1080/1523908X.2024.2446478)
683. **Pröbstl, F., Korinth, H., Zinngrebe, Y.** (2025):
Politikintegration von Biodiversitätszielen als Teil einer sozial-ökologischen Transformation [Biodiversity policy integration as part of a social-ecological transformation]
Nat. Landsch. **100** (6), 240 - 246
[10.19217/NuL2025-06-02](https://doi.org/10.19217/NuL2025-06-02)
684. **Pröbstl, F., Zinngrebe, Y.**, Böcher, M., **Schmid, S., Scholz, M.**, Stammel, B., **Hüesker, F.** (2025):
Living with the incoherent: Practical insights on implementing European restoration policies for biodiversity policy integration
Ambio **54**, 1635 - 1647
[10.1007/s13280-025-02180-2](https://doi.org/10.1007/s13280-025-02180-2)
685. **Purahong, W., Tanunchai, B., Ji, L.**, Stellmach, H., Hilman, B., Schulze, E.-D., Hause, B., **Tarkka, M., Buscot, F., Herrmann, S.** (2025):
Plasticity of symbiotroph-saprotroph lifestyles of *Piloderma croceum* associated with *Quercus robur* L.
Commun. Biol. **8**, art. 1344
[10.1038/s42003-025-08762-w](https://doi.org/10.1038/s42003-025-08762-w)
686. **Qian, J.**, Zhang, L., **Schlink, U.**, Hu, X., Meng, Q., Gao, J. (2025):
Impact of urban land use and anthropogenic heat on winter and summer outdoor thermal comfort in Beijing
Urban Climate **59**, art. 102306
[10.1016/j.uclim.2025.102306](https://doi.org/10.1016/j.uclim.2025.102306)

687. Qiao, Z., Liu, D., Gong, X., **Schädler, M.**, Zhang, S., Yang, Q., Liu, X., Xie, Z., Chang, L., Wu, D., Scheu, S., Sun, X. (2025):
Land-use change reshapes communities and guild structure of Collembola across a wide geographic range of the temperate zone
Appl. Soil Ecol. **209**, art. 106036
[10.1016/j.apsoil.2025.106036](https://doi.org/10.1016/j.apsoil.2025.106036)
688. Qin, Z., Zhou, M., Chen, Z., **Jahnke, A.**, Schäffer, A., Shao, Y. (2025):
Unexpected discovery of the food additive nonivamide as a main estrogenic contributor in the Three Gorges Reservoir
Environ. Sci. Technol. **59** (37), 20019 - 20030
[10.1021/acs.est.5c09539](https://doi.org/10.1021/acs.est.5c09539)
689. **Quiroga-González, C.A., Prada-Salcedo, L.D., Buscot, F., Tarkka, M., Herrmann, S., Bouffaud, M.-L., Goldmann, K.** (2025):
Severe drought impacts tree traits and associated soil microbial communities of clonal oaks
Environ. Microbiome **20**, art. 63
[10.1186/s40793-025-00720-7](https://doi.org/10.1186/s40793-025-00720-7)
690. **Raab, J., Gutsfeld, S., Tal, T.** (2025):
NeuroBEAT: A comprehensive and flexible behavior analysis tool for neurotoxicity testing in larval zebrafish
Toxicol. Lett. **411** (Supplement), S109
[10.1016/j.toxlet.2025.07.282](https://doi.org/10.1016/j.toxlet.2025.07.282)
691. Rad, S.P.H., Duque, T.S., Flory, S.L., do Nascimento, V.G., Mendes, D.S., Maciel, J.C., dos Santos, J.B., **Siqueira da Silva, R.**, Shabani, F. (2025):
Predicting the spread of invasive *Imperata cylindrica* under climate change: A global risk assessment and future distribution scenarios
PLOS One **20** (5), e0321027
[10.1371/journal.pone.0321027](https://doi.org/10.1371/journal.pone.0321027)
692. **Rahman, K.Z., Mählmann, J., Blumberg, M., Bernhard, K., Müller, R.A., Moeller, L.** (2025):
Performance of textile-based water-storage mats treating municipal wastewater on urban rooftops for climate resilient cities
Clean Technol. **7** (3), art. 75
[10.3390/cleantechnol7030075](https://doi.org/10.3390/cleantechnol7030075)

693. **Rahmsdorf, E., Doktor, D., Feilhauer, H.,** Brede, B., **Dienstbach, L.,** Eisenhauer, N., **Hildebrandt, A.,** Rüger, N., **Lange, M.** (2025):
Drivers of remotely sensed tree height heterogeneity across spatial scales: Tree species diversity effects depend on local conditions and forest type
Ecol. Indic. **179** , art. 114245
[10.1016/j.ecolind.2025.114245](https://doi.org/10.1016/j.ecolind.2025.114245)
694. Railsback, S.F., Gallagher, C.A., **Grimm, V.,** McCary, M.A., Harvey, B.C. (2025):
Empirical ecology to support mechanistic modelling: Different objectives, better approaches and unique benefits
Methods Ecol. Evol. **16** (8), 1564 - 1573
[10.1111/2041-210X.70083](https://doi.org/10.1111/2041-210X.70083)
695. **Raith, F.,** Scheuermann, G., Heine, C. (2025):
Simplifying Jacobi sets' topology and geometry by selective smoothing of bivariate 2D scalar fields
Journal of WSCG **33** (1-2), 63 - 72
[10.24132/JWSCG.2025-7](https://doi.org/10.24132/JWSCG.2025-7)
696. Rakowski, J.J., **Schaan, L.N.,** van Klink, R., Herzon, I., Arth, A., Hagedorn, G., **Rode, J.,** Creutzig, F., **Pe'er, G.** (2025):
Characterizing the global polycrisis: A systematic review of recent literature
Annu. Rev. Environ. Resour. **50** , 159 - 183
[10.1146/annurev-environ-111523-102238](https://doi.org/10.1146/annurev-environ-111523-102238)
697. Ramírez, L.A., **Flinspach, L.,** Nikolić, N., Toivonen, J., Bader, M.Y. (2025):
Microsite preferences of three conifers in calcareous and siliceous treeline ecotones in the French alps
Alp. Bot. **135** (1), 51 - 63
[10.1007/s00035-024-00319-7](https://doi.org/10.1007/s00035-024-00319-7)
698. Ramírez-Amador, F., Paul, S., Kumar, A., Lorent, C., Keller, S., Bohn, S., Nguyen, T., Lometto, S., Vlegels, D., Kahnt, J., **Deobald, D.,** Abendroth, F., Vázquez, O., Hochberg, G., Scheller, S., Stripp, S.T., Schuller, J.M. (2025):
Structure of the ATP-driven methyl-coenzyme M reductase activation complex
Nature **642** , 814 - 821
[10.1038/s41586-025-08890-7](https://doi.org/10.1038/s41586-025-08890-7)
699. Ramírez-Mejía, D., **Zinngrebe, Y.,** Ellis, E.C., Verburg, P.H. (2025):
Land-use spillovers from environmental policy interventions
Glob. Environ. Change **92** , art. 103013
[10.1016/j.gloenvcha.2025.103013](https://doi.org/10.1016/j.gloenvcha.2025.103013)

700. **Ramke, L., Knapp, S.,** Straka, T.M. (2025):
How does the choice of trees in favour of high carbon storage benefit faunistic biodiversity in urban areas? A systematic review
Landsc. Urban Plan. **261** , art. 105404
[10.1016/j.landurbplan.2025.105404](https://doi.org/10.1016/j.landurbplan.2025.105404)
701. Ramljak, A., **Jurburg, S., Chatzinotas, A.,** Lučić, M., Žižek, M., Babić, I., Udiković-Kolić, N. (2025):
Identifying the drivers of microbial community changes and interactions in polluted coastal sediments
Environ. Microbiome **20** , art. 117
[10.1186/s40793-025-00785-4](https://doi.org/10.1186/s40793-025-00785-4)
702. Rapöhn, I., Broghammer, H., Hoffmann, A., Möhlis, K., Moormann, A., Kaczmarek, I., Thor, D., **Großkopf, H., Krieg, L., Karkossa, I., Schubert, K., von Bergen, M.,** Krause, K., Breitfeld, J., Kovacs, P., Klöting, N., Nuwayhid, R., Langer, S., Ghosh, A., Wolfrum, C., Stumvoll, M., Blüher, M., Heiker, J.T., Weinert, J. (2025):
Inhibition of adipocyte lipolysis by vaspin impairs thermoregulation in vivo
Nat. Commun. **16** , art. 11075
[10.1038/s41467-025-66950-y](https://doi.org/10.1038/s41467-025-66950-y)
703. **Raps, S., Aldehoff, A.S.,** Schmidt, C., Wagner, U., **von Bergen, M.,** Rossol, M., **Schubert, K.** (2025):
Molecular characterisation of triclosan-induced inflammasome activation in human macrophages
Toxicol. Lett. **411** (Supplement), S186 - S187
[10.1016/j.toxlet.2025.07.449](https://doi.org/10.1016/j.toxlet.2025.07.449)
704. Rasmussen, J.J., Bundschuh, M., Jensen, T.M., Wiberg-Larsen, P., Baattrup-Pedersen, A., Friberg, N., **Graeber, D.** (2025):
Multiple stressor effects act primarily on microbial leaf decomposers in stream mesocosms
Sci. Total Environ. **958** , art. 178065
[10.1016/j.scitotenv.2024.178065](https://doi.org/10.1016/j.scitotenv.2024.178065)
705. Rastandeh, A., Borgström, S., Pickering, C.M., Miller, A.B., Geneletti, D., Kohsaka, R., Rose, J., Engström, A., Andersson, E., Stahl Olafsson, A., **Haase, D.** (2025):
Priorities for peri-urban recreation ecology research, policy, and practice in a transforming world
Landsc. Ecol. **40** (12), art. 230
[10.1007/s10980-025-02263-1](https://doi.org/10.1007/s10980-025-02263-1)

706. Razavi, S., Duffy, A., Eamen, L., Jakeman, A.J., Jardine, T.D., Wheater, H., Hunt, R.J., Maier, H.R., Abdelhamed, M.S., Ghoreishi, M., Gupta, H., Döll, P., Moallemi, E.A., Yassin, F., Strickert, G., Nabavi, E., Mai, J., Li, Y., Thériault, J.M., Wu, W., Pomeroy, J., Clark, M.P., Ferguson, G., Gober, P., Cai, X., Reed, M.G., Saltelli, A., Elshorbagy, A., Sedighkia, M., Terry, J., Lindenschmidt, K.-E., Hannah, D.M., Li, K., Asadzadeh, M., Harvey, N., Moradkhani, H., **Grimm, V.** (2025):
Convergent and transdisciplinary integration: On the future of integrated modeling of human-water systems
Water Resour. Res. **61** (2), e2024WR038088
[10.1029/2024WR038088](https://doi.org/10.1029/2024WR038088)
707. Reddy, L.R., Egerter, C., **Jehmlich, N.**, Fiskal, A., Helmholz, L., Castronovo, S., Schweyen, P., Wulf, S.-E., Ternes, T., Wick, A., Meier, J. (2025):
New insights in the metabolic functions of freshwater sulfate reducing communities during steel corrosion by biophysicochemical, 16S rRNA gene sequence and metaproteomic analysis
Int. Biodeterior. Biodegrad. **198**, art. 105995
[10.1016/j.ibiod.2024.105995](https://doi.org/10.1016/j.ibiod.2024.105995)
708. Rehbein, M., Escobari, B., Fischer, S., Güntsch, A., Haas, B., Matheisen, G., Perschl, T., Wieshuber, A., **Engel, T.** (2025):
Quantitative and qualitative data on historical vertebrate distributions in Bavaria 1845
Sci. Data **12**, art. 525
[10.1038/s41597-025-04846-8](https://doi.org/10.1038/s41597-025-04846-8)
709. Rehman, S., Zheng, X., Aujla, M.I., **Mehmood, T.** (2025):
Recent advances in adsorptive removal of hazardous VOCs by metal-organic-framework-based materials
Chem. Eng. J. **505**, art. 159257
[10.1016/j.cej.2025.159257](https://doi.org/10.1016/j.cej.2025.159257)
710. **Reichelt, P., Schumacher, A., Meyer, N., Zenclussen, A.** (2025):
Climate change and child health: The growing burden of climate-related adverse health outcomes
Environ. Res. **285, Part 3**, art. 122502
[10.1016/j.envres.2025.122502](https://doi.org/10.1016/j.envres.2025.122502)
711. **Reichmuth, A., Kühn, I., Schmidt, A., Doktor, D.** (2025):
Forested Natura 2000 sites under climate change: effects of tree species distribution shifts
Web Ecol. **25** (1), 59 - 89
[10.5194/we-25-59-2025](https://doi.org/10.5194/we-25-59-2025)

712. **Reichmuth, A., Rakovec, O., Boeing, F., Müller, S., Samaniego, L., Marx, A., Komischke, H., Schmidt, A., Doktor, D.** (2025):
BioVars - A bioclimatic dataset for Europe based on a large regional climate ensemble for periods in 1971–2098
Sci. Data **12** , art. 217
[10.1038/s41597-025-04507-w](https://doi.org/10.1038/s41597-025-04507-w)
713. Reinermann, S., Boos, C., **Kaim, A.**, Schucknecht, K., Asam, S., Gessner, U., Annuth, S.H., Schmitt, T.M., Koellner, T., Kiese, R. (2025):
Grassland yield estimations – potentials and limitations of remote sensing in comparison to process-based modeling and field measurements
Biogeosciences **22** (18), 4969 - 4992
[10.5194/bg-22-4969-2025](https://doi.org/10.5194/bg-22-4969-2025)
714. Remih, K., Hufnagel, F.-M., Karl, A.S., Durkalski-Mauldin, V.L., Lee, W.M., Karvellas, C.J., Su, Z., Rule, J.A., Tomanová, P., **Krieg, L., Karkossa, I., Schubert, K., von Bergen, M.**, Tacke, F., Luckhardt, S., Ziegler, N., Kannt, A., Engel, B., Taubert, R., Fontana, R.J., Strnad, P., US Acute Liver Failure Study Group, (2025):
Serum proteomics of adults with acute liver failure provides mechanistic insights and attractive prognostic biomarkers
JHEP Rep. **7** (5), art. 101338
[10.1016/j.jhepr.2025.101338](https://doi.org/10.1016/j.jhepr.2025.101338)
715. Resch, M.G., Badgett, A., **Krömer, J.O.**, Marcellin, E. (2025):
Upstream considerations for gas fermentation processes
Curr. Opin. Biotechnol. **95** , art. 103337
[10.1016/j.copbio.2025.103337](https://doi.org/10.1016/j.copbio.2025.103337)
716. Reyes-García, V., Villasante, S., Benessaiah, K., Pandit, R., Agrawal, A., Claudet, J., Garibaldi, L.A., Kabisa, M., Pereira, L., **Zinngrebe, Y.** (2025):
The costs of subsidies and externalities of economic activities driving nature decline
Ambio **54** , 1128 - 1141
[10.1007/s13280-025-02147-3](https://doi.org/10.1007/s13280-025-02147-3)
717. Richardson, D., Hobeichi, S., **Sweet, L.-B.**, Rey-Costa, E., Abramowitz, G., Pitman, A.J. (2025):
Predicting Australian energy demand variability using weather data and machine learning
Environ. Res. Lett. **20** , art. 014028
[10.1088/1748-9326/ad9b3b](https://doi.org/10.1088/1748-9326/ad9b3b)

718. Richardson, D.M., Trotta, L.B., Aaronson, M.F..J., Baiser, B., Cadotte, M.W., Carboni, M., Celesti-Grapow, L., **Knapp, S., Kühn, I.**, Lacerda de Matos, A.C., Lososová, Z., Li, D., Montaña-Centellas, F.A., Potgieter, L.J., Zenni, R.D., Pyšek, P. (2025):
Here, there and everywhere: widespread non-native plants in the world's urban ecosystems
Glob. Ecol. Biogeogr. **34** (11), e70159
[10.1111/geb.70159](https://doi.org/10.1111/geb.70159)
719. Richardson, D., **Ribeiro, A.F.S.**, Batibeniz, F., Quilcaille, Y., Taschetto, A.S., Pitman, A.J., **Zscheischler, J.** (2025):
Increasing fire weather season overlap between North America and Australia challenges firefighting cooperation
Earth Future **13** (4), e2024EF005030
[10.1029/2024EF005030](https://doi.org/10.1029/2024EF005030)
720. Richter, S., Szarka, N., **Bezama, A., Thrän, D.** (2025):
Enhancing the circular bioeconomy transition in Germany: A systematic scenario analysis
Sustain. Prod. Consump. **53** , 125 - 146
[10.1016/j.spc.2024.12.004](https://doi.org/10.1016/j.spc.2024.12.004)
721. Rico, A., Hommen, U., **Escher, B.I.**, Koch, A., Bado-Nilles, A., González-Gaya, B., Cody, E., Sylvester, F., Treu, G., Alurralde, G., Hollert, H., **Alvarez-Mora, I.**, Moe, S.J., De Jonge, J., Ng, K., Soto, M., **Liess, M., Muz, M.**, Bundschuh, M., **Lopez-Herguedas, N.**, Pucheux, N., Alygizakis, N., von der Ohe, P.C., Beaudouin, R., **Finckh, S.**, Schulze, T., Verhaegen, Y., van den Brink, P.J. (2025):
The use of diagnostic tools to assess the risks of chemicals to freshwater ecosystems: towards a unified evaluation framework
Environ. Manage. **75** (12), 3433 - 3448
[10.1007/s00267-025-02265-4](https://doi.org/10.1007/s00267-025-02265-4)
722. **Rieß, A., Dietrich, P.** (2025):
Investigation of hydrogeological structures in carbonate rock with ground penetrating radar
Environ. Earth Sci. **84** (8), art. 202
[10.1007/s12665-025-12162-y](https://doi.org/10.1007/s12665-025-12162-y)
723. Rigano, L., Schmitz, M., Linnemann, V., **Krauss, M.**, Hollert, H., Pfenninger, M. (2025):
Exposure to complex mixtures of urban sediments containing Tyre and Road Wear Particles (TRWPs) increases the germ-line mutation rate in *Chironomus riparius*
Aquat. Toxicol. **281** , art. 107292
[10.1016/j.aquatox.2025.107292](https://doi.org/10.1016/j.aquatox.2025.107292)

724. Riggi, F., **Hertle, L.**, Abbrescia, M., Avanzini, C., Baldini, L., Baldini Ferroli, R., Batignani, G., Battaglieri, M., Boi, S., Boike, J., Bossini, D., Carnesecchi, F., Cavazza, D., Cicalò, C., Cifarelli, L., Coccetti, F., Coccia, E., Corvaglia, S., De Gruttola, D., De Pasquale, S., **Dietrich, P.**, Galante, L., Garbini, M., Gericke, E., Gnesi, I., Gramegna, F., Gramstad, E., Grazzi, S., Haland, E.S., Hatzifotiadou, D., La Rocca, P., Krebs, N., **Landmark, S.**, Liu, Z., Mandaglio, G., Margotti, A., Maron, G., Maturilli, M., Mazziotta, M.N., Mulliri, A., Nania, R., Noferini, F., Nozzoli, F., Ould-Saada, F., Palmonari, F., Panareo, M., Panetta, M.P., Paoletti, R., Pellegrino, C., Perasso, L., Pinto, C., Pisano, S., Righini, G., Ripoli, C., Rizzi, M., Sartorelli, G., Scapparone, E., Schattan, P., Schioppa, M., **Schrön, M.**, Scioli, G., Scribano, A., Selvi, M., Taiuti, M., Terreni, G., Trifirò, A., Trimarchi, M., Vistoli, C., Votano, L., Williams, M.C.S., **Zacharias, S.**, Zichichi, A., Zuyewski, R., Pinazza, O. (2025):
High latitude observation of the Forbush decrease during the May 2024 solar storms with muon and neutron detectors on Svalbard
Adv. Space Res. **76** (2), 1225 - 1239
[10.1016/j.asr.2025.05.023](https://doi.org/10.1016/j.asr.2025.05.023)
725. **Rinke, K., Fernandes, T., Schultze, M.** (2025):
Begrenzung externer Nährstoffbelastungen durch Vorsperren [Reducing external nutrient loading into reservoirs by small pre-dams]
WasserWirtschaft **115** (2-3), 62 - 65
[10.1007/s35147-025-2476-3](https://doi.org/10.1007/s35147-025-2476-3)
726. **Rinke, K., Mi, C.**, Magee, M.R., Carey, C.C. (2025):
Increasing exposure to global climate change and hopes for the era of climate adaptation: An aquatic perspective
Ambio **54** (3), 379 - 384
[10.1007/s13280-024-02125-1](https://doi.org/10.1007/s13280-024-02125-1)
727. **Rocha Vogel, A., Kolberg, Y., von Tümpling, W.** (2025):
Effects of salinity on the adsorption of cadmium and zinc to tire and road wear particles in water – Significance for river systems and road runoff treatment
Sci. Total Environ. **977**, art. 179359
[10.1016/j.scitotenv.2025.179359](https://doi.org/10.1016/j.scitotenv.2025.179359)
728. **Rode, J., Bartkowski, B., Büttner, N., Müller, B.** (2025):
Grouping agri-environmental practices in Germany along behavioural drivers for adoption
Ger. J. Agric. Econ. **74**, art. 2543
[10.52825/gjae.v74i.2543](https://doi.org/10.52825/gjae.v74i.2543)

729. **Rodrigues Matos, R.**, Craig, A., Koch, B.P., Hawkes, J., Moodie, L.W.K., Ivanova, A., Gleixner, G., Guth, P., Knorr, K.-H., Tebben, J., **Reemtsma, T.**, Zherebker, A., **Lechtenfeld, O.J.** (2025):
Functional group distribution shapes chemical properties of degraded terrestrial and marine dissolved organic matter
Environ. Sci. Technol. **59** (49), 26539 - 26549
[10.1021/acs.est.5c01998](https://doi.org/10.1021/acs.est.5c01998)
730. Rodríguez Cortéz, C.A., Duvauchelle, J.-E., Demaille, D., Zapata, R., Estève, I., Biscaras, J., Maisonhaute, E., Jarrier, R., **Buchwald, J.**, Patriarche, G., Zheng, Y., Cruguel, H., Vidal, F., Hennes, M. (2025):
Photoinduced thermal strain in epitaxial SrRuO₃ thin films
Phys. Rev. Mater. **9** (10), art. 103605
[10.1103/cn7d-pt7](https://doi.org/10.1103/cn7d-pt7)
731. **Rodríguez, T.**, Bonatti, M., Löhr, K., Sieber, S. (2025):
Rethinking knowledge systems for agroforestry: Insights from the mental models of cacao farmers in Colombia
Ambio **54** (11), 1852 - 1866
[10.1007/s13280-025-02189-7](https://doi.org/10.1007/s13280-025-02189-7)
732. Rogoll, L., Schulz, K., Schulz, J., **Brock, J.**, **Thulke, H.-H.** (2025):
Beyond crisis response: A roundtable on long-term strategies for managing African swine fever
Viruses **17** (5), art. 604
[10.3390/v17050604](https://doi.org/10.3390/v17050604)
733. Rogue, H., Miège, C., Bonnineau, C., Daval, A., Depret, G., **Susset, L.**, Tardy, V., Lyautey, E., Devers, M., Pesce, S. (2025):
Sulfamethazine biodegradation in sediments is driven by chronic exposure concentrations
Ecotox. Environ. Safe. **303**, art. 118785
[10.1016/j.ecoenv.2025.118785](https://doi.org/10.1016/j.ecoenv.2025.118785)
734. Rohlmann, L., **Köhne, J.M.**, Deiglmayr, K., Geers-Lucas, M. (2025):
Perennial roots, lasting structure: How *Silphium perfoliatum* alters pore structure to shape carbon storage and water flow
Geoderma **463**, art. 117565
[10.1016/j.geoderma.2025.117565](https://doi.org/10.1016/j.geoderma.2025.117565)
735. **Röhring, K.**, **Harnisch, F.** (2025):
3D-printed add-on allows using commercially available rotating disc electrodes in tilted position
Electrochem. Commun. **170**, art. 107854
[10.1016/j.elecom.2024.107854](https://doi.org/10.1016/j.elecom.2024.107854)

736. **Rohwerder, T., Kleinsteuber, S.** (2025):
Satt werden ohne Kalorien – Bakterien in Kläranlagen fressen Acesulfam
Biospektrum **31** , 500 - 502
[10.1007/s12268-025-2488-7](https://doi.org/10.1007/s12268-025-2488-7)
737. Rojas-Troncoso, N., Gómez-Silva, V., **Grimm-Seyfarth, A.**, Schüttler, E. (2025):
Dog–stranger interactions can facilitate canine incursion into wilderness: The role of food provisioning and sociability
Biology-Basel **14** (8), art. 1006
[10.3390/biology14081006](https://doi.org/10.3390/biology14081006)
738. **Romanelli, F., Zhang, N., Bauer, M., Fink, B., Zenclussen, A.C., Schumacher, A., Meyer, N.** (2025):
Bisphenol A interferes with mast cell-mediated promotion of cellular processes critical for spiral artery remodeling
Int. J. Mol. Sci. **26** (19), art. 9706
[10.3390/ijms26199706](https://doi.org/10.3390/ijms26199706)
739. Romani, A.M., **Perujo, N.**, Pujol, M., Gionchetta, G. (2025):
Drought drives extracellular polymeric substances accumulation and functional shifts in streambed biofilm communities
Microb. Ecol. **88** , art. 133
[10.1007/s00248-025-02649-3](https://doi.org/10.1007/s00248-025-02649-3)
740. Römer, C.I., Ashauer, R., **Escher, B.I.**, Hollender, J., Burkhard, R., Höfer, K., Muehlebach, M., Buchholz, A. (2025):
Comparison of absorption and excretion of test compounds in sucking versus chewing pests
PLOS One **20** (4), e0321302
[10.1371/journal.pone.0321302](https://doi.org/10.1371/journal.pone.0321302)
741. **Romig, M., Eberwein, M., Deobald, D., Schmid, A.** (2025):
Reactivation and long-term stabilization of the [NiFe] Hox hydrogenase of *Synechocystis* sp. PCC6803 by glutathione after oxygen exposure
J. Biol. Chem. **301** (1), art. 108086
[10.1016/j.jbc.2024.108086](https://doi.org/10.1016/j.jbc.2024.108086)
742. **Roscher, C.** (2025):
Competitive superiority of non-native invaders becomes weaker when plant diversity increases – a case study with *Solidago* species
NeoBiota **100** , 239 - 256
[10.3897/neobiota.100.153209](https://doi.org/10.3897/neobiota.100.153209)

743. Rosti, H., Hemp, A., Pihlström, H., Kilawe, C.J., Witting, O., Knapp, L., **Hemp, C.** (2025):
Adapted to deforestation? Eastern tree hyraxes (*Dendrohyrax validus*) in crevices in Pare Mountains, Tanzania
Afr. J. Ecol. **63** (8), e70134
[10.1111/aje.70134](https://doi.org/10.1111/aje.70134)
744. **Rouhani, A., Ben-Salem, N., D'Oria, M., Chávez García Silva, R.,** Viglione, A., Coptý, N.K., **Rode, M.,** Barry, D.A., Gómez-Hernández, J.J., **Jomaa, S.** (2025):
Direct impact of climate change on groundwater levels in the Iberian Peninsula
Sci. Total Environ. **970**, art. 179009
[10.1016/j.scitotenv.2025.179009](https://doi.org/10.1016/j.scitotenv.2025.179009)
745. Roussou, S., **Pan, M., Krömer, J.O.,** Lindblad, P. (2025):
Exploring and increased acetate biosynthesis in *Synechocystis* PCC 6803 through insertion of a heterologous phosphoketolase and overexpressing phosphotransacetylase
Metab. Eng. **88**, 250 - 260
[10.1016/j.ymben.2025.01.008](https://doi.org/10.1016/j.ymben.2025.01.008)
746. Roy, F., Baumann, P., Ullrich, R., **Moll, J.,** Bässler, C., Hofrichter, M., Kellner, H. (2025):
Illuminating ecology and distribution of the rare fungus *Phellinidium pouzarii* in the Bavarian Forest National Park
Sci. Rep. **15**, art. 8604
[10.1038/s41598-025-91672-y](https://doi.org/10.1038/s41598-025-91672-y)
747. **Rozario, K.,** Shaw, T., Marselle, M.R., **Oh, R.R.Y.,** Schröger, E., Botero, M.G., Frey, J., **Ştefan, V.,** Müller, S., Scherer-Lorenzen, M., Jaroszewicz, B., Verheyen, K., **Bonn, A.** (2025):
Perceived biodiversity: Is what we measure also what we see and hear?
People Nat. **7** (8), 2019 - 2037
[10.1002/pan3.70087](https://doi.org/10.1002/pan3.70087)
748. Rozemeijer, J., Jordan, P., Hooijboer, A., Kronvang, B., Glendell, M., Hensley, R., **Rinke, K.,** Stutter, M., Bieroza, M., Turner, R., Mellander, P.E., Thorburn, P., Cassidy, R., Appels, J., Ouwerkerk, K., **Rode, M.** (2025):
Best practice in high-frequency water quality monitoring for improved management and assessment; a novel decision workflow
Environ. Monit. Assess. **197** (4), art. 353
[10.1007/s10661-025-13795-z](https://doi.org/10.1007/s10661-025-13795-z)

749. **Rufino, P.R.**, Gücker, B., **Volk, M.**, **Strauch, M.**, da Silva Cardozo, F., Boëchat, I.G., Faramarzi, M., Pereira, G. (2025):
Modeling the nexus of climate change and deforestation: implications for the blue water resources of the Jari River, Amazonia
Water **17** (5), art. 660
[10.3390/w17050660](https://doi.org/10.3390/w17050660)
750. **Rupp, J.**, Guckert, M., **Berger, U.**, **Fu, Q.**, Nödler, K., Nürenberg, G., Koschorreck, J., Schulze, J., **Reemtsma, T.** (2025):
Long term trends of legacy per- and polyfluoroalkyl substances (PFAS), their substitutes and precursors in archived wildlife samples from the German Environmental Specimen Bank
Environ. Int. **201** , art. 109592
[10.1016/j.envint.2025.109592](https://doi.org/10.1016/j.envint.2025.109592)
751. Russo, A., Bento, V.A., **Ribeiro, A.F.S.**, Lima, D.C.A., Careto, J.A.M., Soares, P.M.M., Libonati, R., Trigo, R.M., Gouveia, C.M. (2025):
Increased population exposure to extreme droughts in Iberia due to 0.5 °C additional anthropogenic warming
Environ. Res. Lett. **20** (1), art. 014075
[10.1088/1748-9326/ad975d](https://doi.org/10.1088/1748-9326/ad975d)
752. **Rynek, R.**, **Mayer, T.**, **Borsdorf, H.** (2025):
Enhancing forest air sampling using a novel reusable ozone filter design
Atmos. Meas. Tech. **18** (17), 4103 - 4117
[10.5194/amt-18-4103-2025](https://doi.org/10.5194/amt-18-4103-2025)
753. **Rynek, R.**, Tekman, M.B., Veit-Köhler, G., **Wagner, S.**, **Reemtsma, T.**, **Jahnke, A.** (2025):
Plastics from surface to seabed: Vertical distribution of (micro)plastic particles in the North Pacific Ocean
Environ. Sci. Technol. **59** , 26145 - 26156
[10.1021/acs.est.5c11358](https://doi.org/10.1021/acs.est.5c11358)
754. Saal, L., Ingold, V., Kämpfe, A., Bader, T., **Reemtsma, T.**, Ruhl, A.S. (2025):
Survey of polar organic micropollutants in German tap waters
Int. J. Hyg. Environ. Health. **269** , art. 114653
[10.1016/j.ijheh.2025.114653](https://doi.org/10.1016/j.ijheh.2025.114653)
755. **Saavedra, F.**, Vergopolan, N., **Musolff, A.**, **Merz, R.**, **Wang, Z.**, Winter, C., **Tarasova, L.** (2025):
From soil moisture spatial patterns to catchment nitrate dynamics using explainable AI
Water Resour. Res. **61** (11), e2025WR040295
[10.1029/2025WR040295](https://doi.org/10.1029/2025WR040295)

756. Saberi Riseh, R., Fathi, F., Gholizadeh Vazvani, M., **Tarkka, M.T.** (2025):
Plant colonization by biocontrol bacteria and improved plant health: A review
Front. Biosci. **30** (1), art. 23223
[10.31083/FBL23223](https://doi.org/10.31083/FBL23223)
757. **Sadr, M., Esmaeili Aliabadi, D., Thrän, D.** (2025):
Exploring key cost drivers and barriers for deploying BECCS technologies in Germany
33rd European Biomass Conference and Exhibition, Valencia, Spain, 9-12 June 2025
EUBCE Proceedings
ETA-Florence Renewable Energies, Florence, p. 356 - 361
[10.5071/33rdEUBCE2025-2BV.7.7](https://doi.org/10.5071/33rdEUBCE2025-2BV.7.7)
758. **Saeidi, N., Lotteraner, L., Sigmund, G., Hofmann, T., Krauss, M., Mackenzie, K., Georgi, A.** (2025):
Towards a better understanding of sorption of persistent and mobile contaminants to activated carbon: Applying data analysis techniques with experimental datasets of limited size
Water Res. **274** , art. 123032
[10.1016/j.watres.2024.123032](https://doi.org/10.1016/j.watres.2024.123032)
759. **Salomaa, A.** (2025):
Finnish experts' perceptions of IPBES operating principles – Synergies and tensions between the multiple evidence base and credibility, policy relevance and legitimacy
Environ. Sci. Policy **171** , art. 104149
[10.1016/j.envsci.2025.104149](https://doi.org/10.1016/j.envsci.2025.104149)
760. Salvestrini, S., **Kopinke, F.-D.** (2025):
Comment to “Role of MnO₂ as an activator of molecular oxygen for singlet oxygen production” published by Zhai et al. in Separation and Purification Technology (2024)
Sep. Purif. Technol. **376, Part 3** , art. 134091
[10.1016/j.seppur.2025.134091](https://doi.org/10.1016/j.seppur.2025.134091)
761. **Samaniego, L.** (2025):
Permanent shifts in the global water cycle
Science **387** (6741), 1348 - 1350
[10.1126/science.adw5851](https://doi.org/10.1126/science.adw5851)
762. Sanches, P.M., Mascarenhas, A., **Haase, D.**, Ferreira da Silva Filho, D. (2025):
Balancing density and open space provision towards sustainable compact cities: Evidence from São Paulo, Brasília and Berlin
Habitat Int. **160** , art. 103362
[10.1016/j.habitatint.2025.103362](https://doi.org/10.1016/j.habitatint.2025.103362)

763. **Sánchez, N., Merbach, I., Drabesch, S., Blagodatskaya, E.,** Jamoteau, F., Keiluweit, M., **Bachelder, J., Tarkka, M., Muehe, E.M.** (2025): Bioavailability and phyto-extractability of metals in a peat-amended agricultural soil under climate stress
J. Environ. Manage. **394** , art. 127167
[10.1016/j.jenvman.2025.127167](https://doi.org/10.1016/j.jenvman.2025.127167)
764. Sánchez-Gómez, A., **Schürz, C.,** Bieger, K., Martínez-Pérez, S., Molina-Navarro, E. (2025): Using sensitivity analysis and soft calibration of geological regions to improve the representation of hydrological processes in a SWAT+ model
Hydrol. Sci. J.-J. Sci. Hydrol. **70** (4), 628 - 645
[10.1080/02626667.2024.2446268](https://doi.org/10.1080/02626667.2024.2446268)
765. Santoro, E.P., Cárdenas, A., Villela, H.D.M., Vilela, C.L.S., Ghizelini, A.M., Duarte, G.A.S., Perna, G., **Saraiva, J.P.,** Thomas, T., Voolstra, C.R., Peixoto, R.S. (2025): Inherent differential microbial assemblages and functions associated with corals exhibiting different thermal phenotypes
Sci. Adv. **11** (3), eadq2583
[10.1126/sciadv.adq2583](https://doi.org/10.1126/sciadv.adq2583)
766. São Pedro, M., Smith, M.N., Zuquim, G., Tuomisto, H., Stark, S.C., do Amaral Pereira, L.G., Bobrowiec, P.E.D., Bueno, A.S., Capaverde Jr., U., Castilho, C., Esteban, E., Lima, A., Magnusson, W., **Menger, J.,** Goretti Pinto, M., Rincón, L., da Cunha Tavares, V., Waldez, F., Schiatti, J. (2025): Forest structure predicts plant and animal species diversity and composition changes in an Amazonian forest
Biodivers. Conserv. **34** , 3865 - 3888
[10.1007/s10531-025-03136-4](https://doi.org/10.1007/s10531-025-03136-4)
767. Sarkki, S., Young, J.C., **Vandewalle, M.,** Heikkinen, H.I., Norum, R., Stenseke, M., Nesshöver, C., **Wittmer, H.** (2025): Transformative science–policy interfacing: the case of biodiversity and ecosystem services
Sustain. Sci. **20** (1), 231 - 249
[10.1007/s11625-024-01593-4](https://doi.org/10.1007/s11625-024-01593-4)
768. Sarwar, A.N., Caramiello, C., Pugliese, F., **Jomaa, S.,** Guelmami, A., Ronse, M., Roggero, P.P., Marrone, N., De Paola, F., Cetinkaya, I.D., Coptý, N.K., **Rode, M.,** Manfreda, S. (2025): A framework for selecting Nature-based Solutions: applications and challenges at the catchment scale
J. Environ. Manage. **394** , art. 127220
[10.1016/j.jenvman.2025.127220](https://doi.org/10.1016/j.jenvman.2025.127220)

769. **Sauke, F., Fischer, R., Rode, M.** (2025):
A review on modelling forest biogeochemistry and the coupled forest - soil interactions in a changing world
Environ. Modell. Softw. **187** , art. 106381
[10.1016/j.envsoft.2025.106381](https://doi.org/10.1016/j.envsoft.2025.106381)
770. **Schaan, L.N., Finch, E.A., Wartenberg, A.C., Boettner, V.S., Bellingrath-Kimura, S.D., Bonn, A., Pe'er, G.** (2025):
Mapping and prioritising landscape feature restoration in agricultural landscapes: A case study in Brandenburg, Germany
Land Use Pol. **154** , art. 107531
[10.1016/j.landusepol.2025.107531](https://doi.org/10.1016/j.landusepol.2025.107531)
771. Schäfer, R.B., Baikova, D., Bayat, H.S., Beermann, A.J., Berger, S.A., Boenigk, J., **Brauns, M.**, Burfeid-Castellanos, A., Cardinale, B.J., David, G.M., Feckler, A., Feld, C.K., **Fink, P.**, Gessner, M.O., Hadziomerovic, U., Hering, D., Yen Le, T.T., Macaulay, S.J., Medina Madariaga, G., Mayombo, N.A.S., Pimentel, I.M., Orr, J.A., Osakpolor, S., **Schlenker, A.**, Sures, B., Vermiert, A.-M., Vos, M., **Weitere, M.**, Schürings, C. (2025):
Effects of biodiversity loss on freshwater ecosystem functions increase with the number of stressors
Glob. Change Biol. **31** (11), e70617
[10.1111/gcb.70617](https://doi.org/10.1111/gcb.70617)
772. **Schaller, R., Gawel, E., Korte, K., Zenetti, J.M., Markus, T.** (2025):
Entnahme von Kohlendioxid aus der Atmosphäre durch Anpassungen in der landwirtschaftlichen Landnutzung: Eine Analyse des geltenden Rechtsrahmens in Deutschland [Removing carbon dioxide from the atmosphere through adjustments in agricultural land use: An analysis of the current legal framework in Germany]
Nat. Recht **47** , 590 - 599
[10.1007/s10357-025-4576-3](https://doi.org/10.1007/s10357-025-4576-3)
773. **Schauer, L.S., Jawitz, J.W., Cohen, M.J., Musolff, A.** (2025):
Spatial and temporal variability of river water quality
Hydrol. Process. **39** (5), e70154
[10.1002/hyp.70154](https://doi.org/10.1002/hyp.70154)
774. Schimmel, H., Amelung, W., Sebastiá, M.-T., Keizer, J.J., Martins, M.A.S., Lohila, A., **Müller, C.**, Laudon, H., Klumpp, E., Braun, M. (2025):
Natural nanoparticles and colloids in forested streams across Europe: Seasonal patterns and impact of soil groups
Glob. Biogeochem. Cycles **39** (6), e2024GB008467
[10.1029/2024GB008467](https://doi.org/10.1029/2024GB008467)

775. Schlöber, S., Ullrich, A.-L., Modares, N.F., Schmitz, M.A., Schöneich, J., Zhang, K., Richter, I., Robrahn, L., Schraven, S., Nagai, J.S., **Haange, S.-B.**, Jennings, S.A.V., Clavel, T., **Rolle-Kampczyk, U.**, Kiessling, F., Costa, I.G., Muncan, V., Repnik, U., **von Bergen, M.**, Dupont, A., Hornef, M.W. (2025): *Salmonella* infection accelerates postnatal maturation of the intestinal epithelium *Proc. Natl. Acad. Sci. U.S.A.* **122** (1), e2403344122
[10.1073/pnas.2403344122](https://doi.org/10.1073/pnas.2403344122)
776. **Schlüter, S., Lucas, M.**, Grosz, B., Ippisch, O., Zawallich, J., He, H., Dechow, R., Kraus, D., Blagodatsky, S., Senbayram, M., Kravchenko, A., **Vogel, H.-J.**, Well, R. (2025):
The anaerobic soil volume as a controlling factor of denitrification: a review
Biol. Fert. Soils **61** (3), 343 - 365
[10.1007/s00374-024-01819-8](https://doi.org/10.1007/s00374-024-01819-8)
777. **Schlüter, S., Wu, M., Phalempin, M., Philipp, L., Blagodatskaya, E., Reitz, T., Simon, C., Lechtenfeld, O., Vogel, H.-J., Schädler, M., Merbach, I.** (2025):
Divergence in physical, chemical, and biological soil properties caused by different long-term bare fallow management and natural succession
Geoderma **459**, art. 117361
[10.1016/j.geoderma.2025.117361](https://doi.org/10.1016/j.geoderma.2025.117361)
778. **Schmid, A.** (2025):
Dialog mit Praxisbezug. Buchrezension: Stolpersteine im Klimadialog. Ein Gespräch zwischen Sozialethik, Biologie und Wirtschaft. Christian Wilhelm, Markus Vogt, Norbert Weißmann, Oekom-Verlag, München, 2024, 222 S. 19,00 Euro, ISBN 978-3-98726-134-3
Biologie in unserer Zeit **55** (3), 296 - 297
779. Schmidt, J., **Egli, L.**, Gaspers, M., Zech, M., **Gastinger, M.**, Rommel, M. (2025):
Conversion to community-supported agriculture — pathways, motives and barriers for German farmers
Reg. Envir. Chang. **25** (1), art. 1
[10.1007/s10113-024-02332-2](https://doi.org/10.1007/s10113-024-02332-2)
780. Schmidt, M., **Aulhorn, S.**, Latif, A.A., **Krauss, M., Schmitt-Jansen, M.**, Breite, D., **Küster, E.**, Schulze, A. (2025):
Photocatalytic membrane treatment of antibiotics: combined chemical and toxicological evaluation of effectiveness
Front. Env. Sci. Eng. **19** (12), art. 163
[10.1007/s11783-025-2083-7](https://doi.org/10.1007/s11783-025-2083-7)

781. Schmidt, N., **Foscari, A.**, Herzke, D., Garel, M., Tamburini, C., **Seiwert, B.**, **Reemtsma, T.**, Sempéré, R. (2025):
Aging of tire particles in deep-sea conditions: Interactions between hydrostatic pressure, prokaryotic growth and chemical leaching
Environ. Sci. Technol. **59** (38), 20748 - 20760
[10.1021/acs.est.5c10705](https://doi.org/10.1021/acs.est.5c10705)
782. Schmidt, T., **Ding, C.**, Moreno-Chicano, T., Granatino, P., Nickel, J., Zimmermann, S., **Adrian, L.**, Dietl, A., Barends, T. (2025):
Roles of acyl carrier proteins in ladderane fatty acid producing-organisms
Biochim. Biophys. Acta-Gen. Subj. **1869** (3), art. 130763
[10.1016/j.bbagen.2025.130763](https://doi.org/10.1016/j.bbagen.2025.130763)
783. **Schneider, H.**, **Lai, B.**, **Krömer, J.O.** (2025):
Understanding the electron pathway fluidity of *Synechocystis* in biophotovoltaics
Plant J. **121** (2), e17225
[10.1111/tbj.17225](https://doi.org/10.1111/tbj.17225)
784. Schneider, H.M., **Vetterlein, D.** (2025):
The hidden half in the spotlight: the diverse strategies of root systems under stress
Ann. Bot. **136** (5-6), 919 - 921
[10.1093/aob/mcaf222](https://doi.org/10.1093/aob/mcaf222)
785. **Scholz, S.**, **Zanini, C.**, **Koblitz, A.-K.**, **Möller, T.**, **Aslam, M.A.**, **Ajugwo, G.C.**, **Chukwu, E.**, Colbourne, J., **Kader, S.**, **Fu, Q.**, **Grasse, N.**, **Reemtsma, T.**, **Massei, R.** (2025):
Grouping and assessment of chemicals for hazard and risk assessment by high content analysis using the zebrafish embryos as an alternative non-sentient animal model
Toxicol. Lett. **411** (Supplement), S399
[10.1016/j.toxlet.2025.07.919](https://doi.org/10.1016/j.toxlet.2025.07.919)
786. Schomberg, A.C., **von Tümpling, W.**, Kynast, E. (2025):
Arsenic leakage crisis in supply chain of battery storage materials: Water quality footprint of cobalt mining demands action
Water Resour. Ind. **33** , art. 100277
[10.1016/j.wri.2025.100277](https://doi.org/10.1016/j.wri.2025.100277)
787. **Schor, J.**, **Schulze, T.**, **Ulrich, N.**, **Mutlu, İ.**, **Krauss, M.**, **Brack, W.**, Doan, T., Bingert, S., **Bumberger, J.**, **Busch, W.**, **Hackermüller, J.** (2025):
Chemical mixture risk drivers and their heterogeneity in European freshwaters
Environ. Int. **205** , art. 109881
[10.1016/j.envint.2025.109881](https://doi.org/10.1016/j.envint.2025.109881)

788. **Schöbaw, Y., Meyer, M., Zorc, O., Haus, P., Korth, B.** (2025):
Investigation of acetate uptake kinetics of mature *Geobacter sulfurreducens* biofilms in continuous bioelectrochemical systems reveals unexpected challenges
Bioelectrochemistry **165** , art. 108978
[10.1016/j.bioelechem.2025.108978](https://doi.org/10.1016/j.bioelechem.2025.108978)
789. Schreiner, V., Mehring, M., Kleemann, J., Hauck, J., **Knauß, S.**, Poßer, C., Schleyer, C., Potthast, T., Grunewald, K., Fürst, C., Müller, J., Albert, C., Egerer, M., **Haase, D.**, Jähnig, S.C., **Kaiser, J.**, Sanders, T.G.M., Sommer, P., Wellmann, T., Keil, P., **Wittmer, H.** (2025):
Towards transformative change for biodiversity: What can we learn from case studies in Germany?
J. Environ. Manage. **386** , art. 125663
[10.1016/j.jenvman.2025.125663](https://doi.org/10.1016/j.jenvman.2025.125663)
790. Schreyers, L., van Emmerik, T.H.M., Kirschke, S., Pinto, R., Schmidtke, L., **Schmidt, C., Wendt-Potthoff, K.** (2025):
Suitability of river plastic monitoring methods for citizen science
Cambridge Prisms-Plastics **3** , e31
[10.1017/plc.2025.10027](https://doi.org/10.1017/plc.2025.10027)
791. Schroeter, S.A., Orme, A.M., Lehmann, K., Lehmann, R., Chaudhari, N.M., Küsel, K., Wang, H., **Hildebrandt, A.**, Totsche, K.U., Trumbore, S., Gleixner, G. (2025):
Hydroclimatic extremes threaten groundwater quality and stability
Nat. Commun. **16** , art. 720
[10.1038/s41467-025-55890-2](https://doi.org/10.1038/s41467-025-55890-2)
792. **Schubert, M.,** Kopitz, J. (2025):
Radio-sulphur (³⁵S) detection by LSC – How to deal with interfering natural radionuclides
J. Environ. Radioact. **290** , art. 107813
[10.1016/j.jenvrad.2025.107813](https://doi.org/10.1016/j.jenvrad.2025.107813)
793. **Schubert, M.,** Kopitz, J., **Taeglich, S.**, Bibby, R.K., Copia, L., McGuire, B., Wangari, S., Harjung, A. (2025):
Radio-sulfur (³⁵S) as short-term water residence time tracer – Step-by-step instruction for sample preparation and LSC setup
J. Environ. Radioact. **282** , art. 107627
[10.1016/j.jenvrad.2025.107627](https://doi.org/10.1016/j.jenvrad.2025.107627)
794. **Schubert, M., Müller, C., Knoeller, K.,** Juranová, E. (2025):
Anthropogenic tritium as indicator for groundwater inflow into major rivers – Potentials and challenges of a tracer application
J. Environ. Radioact. **288** , art. 107745
[10.1016/j.jenvrad.2025.107745](https://doi.org/10.1016/j.jenvrad.2025.107745)

795. **Schubert, M., Saavedra Melendez, F., Lin, M., Terzer-Wassmuth, S., Hertle, L., Tegen, I., Knoeller, K., Schmidt, A.** (2025):
Tackling voids in observations: An approach to reconstruct rainfall ³⁵S timeseries from proxy parameters
ACS ES&T Wat. **5** (7), 4002 - 4012
[10.1021/acsestwater.5c00250](https://doi.org/10.1021/acsestwater.5c00250)
796. **Schöffler, A., Kretschmer, T., Meyer, N., Howanski, J., Zantop Linares, S., Zenclussen, A.C., Schumacher, A.** (2025):
Single and combined exposure to bisphenol A and benzophenone 3 shows no major effects on trophoblasts and mast cells
Placenta **171**, e254
[10.1016/j.placenta.2025.08.080](https://doi.org/10.1016/j.placenta.2025.08.080)
797. **Schübler, C., Schulz, P., Tomczyk, S., Schmidt, S., Stoll-Kleemann, S.** (2025):
Psychometric properties of the German version of the moral disengagement in meat questionnaire (MDMQ-G)
Food. Qual. Prefer. **127**, art. 105439
[10.1016/j.foodqual.2025.105439](https://doi.org/10.1016/j.foodqual.2025.105439)
798. Schwefel, R., **Nkwale, L.G.T., Jordan, S., Rinke, K., Hupfer, M.** (2025):
Temperatures and hypolimnetic oxygen in German lakes: Observations, future trends and adaptation potential
Ambio **54** (3), 428 - 447
[10.1007/s13280-024-02046-z](https://doi.org/10.1007/s13280-024-02046-z)
799. **Schweiger, L., Foit, M., Vormeier, P., Schäfer, R., Liess, M.** (2025):
Pesticide contamination is associated with invertebrate community change in non-agricultural streams
Water Res. **282**, art. 123903
[10.1016/j.watres.2025.123903](https://doi.org/10.1016/j.watres.2025.123903)
800. **Seelig, A.H., Junghans, V., Reemtsma, T., Zahn, D.** (2025):
Plant uptake of persistent and mobile chemicals in rocket (*Eruca sativa*)—A greenhouse study on agricultural wastewater reuse
Environ. Sci. Technol. **59** (18), 9265 - 9274
[10.1021/acs.est.5c02379](https://doi.org/10.1021/acs.est.5c02379)
801. **Seifert, P., Howanski, J., Fischer, F., Kretschmer, T., Meyer, N., Schüler, T., Zenclussen, A.C., Schumacher, A.** (2025):
Estrogen alpha receptor deficiency in innate lymphoid cells impairs proper fetal development in murine pregnancy
Placenta **171**, e322 - e323
[10.1016/j.placenta.2025.08.080](https://doi.org/10.1016/j.placenta.2025.08.080)

802. Serraye, A., Idder, T., Bouhoun, M.D., Diatta, J.B., Tani, A., **Genz, P.**, Ackermann, M., Nili, M.S. (2025):
Dynamics of Eucalyptus and Sorghum biomass growth and nitrogen assessment at a Saharan sandy soil irrigated with treated wastewater
Sci. Rep. **15** , art. 18551
[10.1038/s41598-025-00522-4](https://doi.org/10.1038/s41598-025-00522-4)
803. Shabani, F., Ahmadi, M., Lorestani, N., Bibi, S., Esmaeili, A., Lane, T., Breed, M.F., Llewelyn, J., Liddicoat, C., Langat, P.K., Kalantar, B., Ramírez-Cabral, N., Singh, P., **Siqueira da Silva, R.**, Abu-Dieyeh, M., Nazarizadeh, M., Ossola, A. (2025):
Pedology and plant provenance can improve species distribution predictions of Australian native flora: A calibrated and validated modeling exercise on 5033 species
Ecol. Evol. **15** (6), e71430
[10.1002/ece3.71430](https://doi.org/10.1002/ece3.71430)
804. Shah, G.M., Shabbir, Z., Rabbani, F., Rashid, M.I., Bakhat, H.F., Naeem, M.A., Abbas, G., Shah, G.A., **Shahid, N.** (2025):
Soil texture mediates the toxicity of ZnO and Fe₃O₄ nanoparticles to microbial activity
Toxics **13** (2), art. 84
[10.3390/toxics13020084](https://doi.org/10.3390/toxics13020084)
805. **Shahid, N., Iqbal, H.H.**, Ahmad, S.R., Qadir, A., **Krauss, M., Finckh, S., Tanui, I., Carmona, E., Brack, W.** (2025):
Mixtures of toxic organic micropollutants compromise the safety of water resources in urban agglomerations in low- and medium-income countries: The example of Lahore, Pakistan
Environ. Pollut. **365** , art. 125383
[10.1016/j.envpol.2024.125383](https://doi.org/10.1016/j.envpol.2024.125383)
806. **Shahid, N., Siddique, A., Krauss, M., Böhme, A., Brack, W., Jahnke, A., Liess, M.** (2025):
Double trouble: The synergistic threat of environmental stressors and pesticide mixtures
J. Hazard. Mater. **500** , art. 140293
[10.1016/j.jhazmat.2025.140293](https://doi.org/10.1016/j.jhazmat.2025.140293)
807. Shakoori, A., **Azarian, M.**, Aghaei, M.H., Maddahi, M., Aghazadeh, K., Tabari, A., Farmani, S., Azani, A., Fard, A.M., Mokhtari, Z., Derakhshan, A., Idani, A., Lotfi, M., Shahzadi, S.Z., Siahbani, S., Motamedi, S., Saffarzadeh, N. (2025):
valuation of methylation and changes in the transcriptomics and proteomics of the GRHL3, PHLDA3, and in patients with head and neck squamous cell carcinoma
Indian J. Otolaryngol. Head Neck Surg. **77** (1), 13 - 21
[10.1007/s12070-024-05057-0](https://doi.org/10.1007/s12070-024-05057-0)

808. Shan, Y., Hao, H., **He, J.**, Hu, N., Liu, P., Zhang, M., Jiao, W., Yin, Y. (2025):
Thermal enhanced electrokinetic bacterial transport in porous media
Environ. Sci. Technol. **59** (3), 1683 - 1692
[10.1021/acs.est.4c07954](https://doi.org/10.1021/acs.est.4c07954)
809. **Sharma, P., Muehe, E.M.** (2025):
Metal-tainted soils: a hidden threat to agriculture and health
Trends Plant Sci. **30** (9), 918 - 920
[10.1016/j.tplants.2025.07.004](https://doi.org/10.1016/j.tplants.2025.07.004)
810. **Sharma, P., Reitz, T.**, Singh, S.P., **Worrich, A., Muehe, E.M.** (2025):
Going beyond improving soil health: cover plants as contaminant removers in agriculture
Trends Plant Sci. **30** (5), 539 - 552
[10.1016/j.tplants.2025.01.009](https://doi.org/10.1016/j.tplants.2025.01.009)
811. **Shen, G.**, Guber, A., Khosrozadeh, S., **Ghaderi, N.**, Kravchenko, A., **Blagodatskaya, E.**
(2025):
Plant-microbial interplay for organic nitrogen mediated by functional specificity of root
compartments
Rhizosphere **33**, art. 101024
[10.1016/j.rhisph.2025.101024](https://doi.org/10.1016/j.rhisph.2025.101024)
812. Shen, W., Kruse, S., Liu, S., Stoof-Leichsenring, K., **Kühn, I.**, Li, W., Cao, X., Zhang,
Z.-R., Zeng, C.-X., Yang, J.-B., Li, D.-Z., Herzschuh, U. (2025):
Post-glacial vegetation trajectories on the eastern Tibetan Plateau reflect millennial-scale
migration lags in complex mountain terrain based on sedimentary ancient DNA and
dynamic dispersal modeling
Ecol. Evol. **15** (1), e70862
[10.1002/ece3.70862](https://doi.org/10.1002/ece3.70862)
813. Shi, Z., He, C., Huang, H., Huang, X., Hu, T., He, Y., Yang, D., Xia, S., **Zhang, H.**,
Deng, L. (2025):
A novel polydopamine-loaded copper sulfide (CuS@PDA) for activating H₂O₂ to
eliminate tetracycline via ¹O₂ dominated oxidation pathway
J. Water Process Eng. **71**, art. 107223
[10.1016/j.jwpe.2025.107223](https://doi.org/10.1016/j.jwpe.2025.107223)
814. **Shrestha, P.K., Samaniego, L., Rakovec, O., Kumar, R., Thober, S.** (2025):
A novel stream network upscaling scheme for accurate local streamflow simulations in
gridded global hydrological models
Water Resour. Res. **61** (6), e2024WR038183
[10.1029/2024WR038183](https://doi.org/10.1029/2024WR038183)

815. Siebers, M.A.C., Werther, M., Werther, D., Mackay, E., May, L., **Shatwell, T.**, Jones, I., Blake, M., Hunter, P.D. (2025):
Improving algal bloom modelling in eutrophic lakes by calibrating the General Lake Model with satellite remote sensing products
Water Res. X **28** , art. 100386
[10.1016/j.wroa.2025.100386](https://doi.org/10.1016/j.wroa.2025.100386)
816. Sierra-Olea, M., **Seiwert, B.**, **Reemtsma, T.**, **Lechtenfeld, O.J.**, Hübner, U. (2025):
Monitoring the formation of oxygen-rich functional groups by ¹⁸O ozonation of pharmaceuticals containing S- and N-scaffolds
ACS ES&T Wat. **5** (11), 6365 - 6374
[10.1021/acsestwater.5c00525](https://doi.org/10.1021/acsestwater.5c00525)
817. **Sievers, E.**, Canovas, I., Kristensen, D., **Hüesker, F.** (2025):
Assessing to act: A water-energy-food-ecosystem (WEFE) nexus governance assessment for the Inkomati-Usuthu river basin in South Africa
Environ. Sci. Policy **164** , art. 103986
[10.1016/j.envsci.2025.103986](https://doi.org/10.1016/j.envsci.2025.103986)
818. Silbermann, C.B., **Zill, F.**, **Meisel, T.**, Kern, D., **Kolditz, O.**, Magri, F., **Nagel, T.** (2025):
Automated thermo-hydro-mechanical simulations capturing glacial cycle effects on nuclear waste repositories in clay rock
Geomech. Geophys. Geo-Energy Geo-Resour. **11** (1), art. 58
[10.1007/s40948-025-00960-4](https://doi.org/10.1007/s40948-025-00960-4)
819. Sillo, F., **Blaser, S.R.G.A.**, Díaz-Tielas, C., **Clayton, J.**, Araniti, F., Sánchez-Moreiras, A.M., George, T.S., Balestrini, R., **Vetterlein, D.** (2025):
Size matters: influence of available soil volume on the root architecture and plant response at transcriptomic and metabolomic levels in barley
Plant Cell Environ. **48** (6), 4685 - 4702
[10.1111/pce.15457](https://doi.org/10.1111/pce.15457)
820. Simo, E., de Lesquen, C., Leon-Vargas, R.P., Vu, M.-n., Raude, S., El Tabbal, G., Dizier, A., Seetharam, S., Narkuniene, A., Collin, F., Song, H., Gens, A., Song, F., Tatomir, A.-B., **Nagel, T.**, **Buchwald, J.** (2025):
THM-modelling benchmark initiative on the effects of temperature on the disposal of heat-generating radioactive waste in clay formations
Acta Geotech. **20** , 1621 - 1642
[10.1007/s11440-024-02502-w](https://doi.org/10.1007/s11440-024-02502-w)

821. Simo, E., de Lesquen, C., Vu, M.-n., Raude, S., El Tabbal, G., Narkuniene, A., Poskas, P., Collin, F., Abhishek, R., Song, H., Gens, A., Song, F., Leon-Vargas, R.P., Tatomir, A.-B., Mánica, M., **Nagel, T., Buchwald, J.** (2025):
Benchmarking thermo-hydro-mechanical models for geological barrier integrity in clay-based repositories
Acta Geotech. **20** (10), 5407 - 5425
[10.1007/s11440-025-02683-y](https://doi.org/10.1007/s11440-025-02683-y)
822. **Simon, C., Miltner, A.,** Mulder, I., Kaiser, K., **Lorenz, M.,** Thiele-Bruhn, S., **Lechtenfeld, O.J.** (2025):
Long-term effects of manure addition on soil organic matter molecular composition: Carbon transformation as a major driver of energetic potential
Soil Biol. Biochem. **205**, art. 109755
[10.1016/j.soilbio.2025.109755](https://doi.org/10.1016/j.soilbio.2025.109755)
823. **Simoneit, M., Langer, H., Ulrich, N., Böhme, A.** (2025):
Refining the amino reactivity-based identification of respiratory sensitizers
Chem. Res. Toxicol. **38** (6), 1046 - 1060
[10.1021/acs.chemrestox.4c00545](https://doi.org/10.1021/acs.chemrestox.4c00545)
824. Simonetti, S., Mutemi, K.N., Romano, P., **Luckenbach, T.,** Zupo, V., Gambi, M.C., Corsi, I. (2025):
Hydrothermal vents as observatories for future ocean acidification (OA) scenarios: an *in-situ* study to unravel the involvement of ATP binding cassette transporters in the adaptation of marine polychaetes *Platynereis* spp. to OA
Front. Mar. Sci. **12**, art. 1573367
[10.3389/fmars.2025.1573367](https://doi.org/10.3389/fmars.2025.1573367)
825. Sinclair, J.S., Buchner, D., Gessner, M.O., Müller, J., Pauls, S.U., Stoll, S., Welti, E.A.R., Bässler, C., Buse, J., Dziock, F., Enss, J., Hörren, T., Künast, R., Li, Y., Marten, A., Morkel, C., Richter, R., Seibold, S., Sorg, M., Twietmeyer, S., Weis, D., Weisser, W., Wiggner, B., Wilmking, M., Zotz, G., **Frenzel, M.,** Leese, F., Haase, P. (2025):
Effects of land cover and protected areas on flying insect diversity
Conserv. Biol. **39** (4), e14425
[10.1111/cobi.14425](https://doi.org/10.1111/cobi.14425)
826. Siol, C., Majer, S., **Thrän, D.** (2025):
Integrating soil- and agro-ecosystem models into life cycle assessments of sustainable management of agricultural residues: a review in the context of Sustainable Development Goals and planetary boundaries
Int. J. Life Cycle Assess. **30** (12), 2908 - 2924
[10.1007/s11367-025-02550-8](https://doi.org/10.1007/s11367-025-02550-8)

827. Sitek, S., Janik, K., Wunderlich, A., Jakóbczyk-Karpierz, S., Imig, A., Kondracka, M., **Knöller, K.**, Rein, A. (2025):
Integrated Managed Aquifer Recharge: Assessing the efficiency of riverbank filtration and infiltration ditches for sustainable groundwater management in industrial areas
J. Environ. Manage. **389**, art. 125849
[10.1016/j.jenvman.2025.125849](https://doi.org/10.1016/j.jenvman.2025.125849)
828. **Soares, L.M.V.**, Thouillot, M., Frossard, V., Desgué-Itier, O., Barouillet, C., Baulaz, Y., Clément, J.-C., Domaizon, I., Dorioz, J.-M., Goulon, C., Guillard, J., Jacquet, S., Réalis, E., Tran Khac, V., Jenny, J.-P. (2025):
Expanding the European water Framework Directive indicators to address long-term climate change impacts on lakes using mechanistic lake models
Ecol. Indic. **172**, art. 113220
[10.1016/j.ecolind.2025.113220](https://doi.org/10.1016/j.ecolind.2025.113220)
829. **Soder-Walz, J.M.**, Granados-Rigol, E., Fernández-Verdejo, D., Vicent, T., Marco-Urrea, E., Blánquez, P. (2025):
Enhanced aerobic bioremediation of an aquifer heavily contaminated with a mixture of chlorobenzenes and hexachlorocyclohexanes at the *Sardas* landfill (Spain)
J. Hazard. Mater. **484**, art. 136717
[10.1016/j.jhazmat.2024.136717](https://doi.org/10.1016/j.jhazmat.2024.136717)
830. **Sodoge, J.**, Nunes Carvalho, T.M., de Brito, M.M. (2025):
GC Insights: Breaking the silos – leveraging natural language processing (NLP) to encourage interdisciplinary interaction at the European Geosciences Union (EGU)
Geosci. Commun. **8** (3), 191 - 196
[10.5194/gc-8-191-2025](https://doi.org/10.5194/gc-8-191-2025)
831. **Solly, E.F.**, Jaeger, A.C.H., Barthel, M., Six, J., Mueller, R.C., Hartmann, M. (2025):
Soil water limitation intensity alters nitrogen cycling at the plant-soil interface in Scots pine mesocosms
Plant Soil **516** (2), 705 - 723
[10.1007/s11104-025-07758-z](https://doi.org/10.1007/s11104-025-07758-z)
832. Soltani, S., Gillespie, L.E., Exposito-Alonso, M., Ferlian, O., Eisenhauer, N., **Feilhauer, H.**, Kattenborn, T. (2025):
Automated mask generation in citizen science smartphone photos and their value for mapping plant species in drone imagery
Biogeosciences **22** (21), 6545 - 6561
[10.5194/bg-22-6545-2025](https://doi.org/10.5194/bg-22-6545-2025)

833. **Soman, S.C.**, Sarsavan, A., Ganesh, S.R. (2025):
Preserving breeding habitats in socio-ecological systems: insights from the stenotopic toad species *Duttaphrynus hololius*
Curr. Sci. **128** (10), 1019 - 1025
[10.18520/cs/v128/i10/1019-1025](https://doi.org/10.18520/cs/v128/i10/1019-1025)
834. Soose, L.J., **Krauss, M.**, Landripet, M., Laier, M., **Brack, W.**, Hollert, H., Klimpel, S., Oehlmann, J., Jourdan, J. (2025):
Acanthocephalans as pollutant sinks? Higher pollutant accumulation in parasites may relieve their crustacean host
Sci. Total Environ. **958**, art. 177998
[10.1016/j.scitotenv.2024.177998](https://doi.org/10.1016/j.scitotenv.2024.177998)
835. Soulignac, F., Anneville, O., Bolognesi, T., da Costa, P., Ibelings, B.W., Richard, A., **Soares, L.M.V.**, Vinçon-Leite, B., Dorioz, J.-M., Jacquet, S. (2025):
A global overview of the impacts of phytoplankton blooms on lake and reservoir ecosystem services
Environ. Res. Lett. **20** (12), art. 123005
[10.1088/1748-9326/ae2696](https://doi.org/10.1088/1748-9326/ae2696)
836. Sousa Duque, T., Madureira Barroso, G., Borges, C.E., Sampaio Mendes, D., **Siqueira da Silva, R.**, Barbosa Evaristo, A., Barbosa dos Santos, J. (2025):
Current and future development of *Acrocomia aculeata* focused on biofuel potential and climate change challenges
Sci. Rep. **15**, art. 8120
[10.1038/s41598-025-92681-7](https://doi.org/10.1038/s41598-025-92681-7)
837. Spank, U., **Koschorreck, M.**, **Aurich, P.**, Sanchez Higuera, A.M., Raabe, A., Holstein, P., Bernhofer, C., Mauder, M. (2025):
Rethinking evaporation measurement and modelling from inland waters – A discussion of the challenges to determine the actual values on the example of a shallow lowland reservoir
J. Hydrol. **651**, art. 132530
[10.1016/j.jhydrol.2024.132530](https://doi.org/10.1016/j.jhydrol.2024.132530)
838. Sponagel, C., Thompson, A., Paetow, H., Mupepele, A.-C., Bieling, C., Sommer, M., Klein, A.-M., **Settele, J.**, Finger, R., Huber, R., Albert, C., Filser, J., Jansen, F., Kleemann, J., Schreiner, V., Lakner, S. (2025):
Pathways for biodiversity enhancement in German agricultural landscapes
People Nat. **7** (9), 2172 - 2193
[10.1002/pan3.70103](https://doi.org/10.1002/pan3.70103)

839. **Srebny, V., Henneberger, L., König, M., Huchthausen, J., Braasch, J., Escher, B.I.** (2025):
Beyond estrogenicity: A comparative assessment of bisphenol A and its alternatives in in vitro assays questions safety of replacements
Environ. Sci. Technol. **59** (33), 17457 - 17470
[10.1021/acs.est.5c07018](https://doi.org/10.1021/acs.est.5c07018)
840. **Stadler, J., Brandl, R., Klotz, S.** (2025):
Plant communities converge to resource-dependent transient states during succession on old fields
Sci. Rep. **15**, art. 31070
[10.1038/s41598-025-16501-8](https://doi.org/10.1038/s41598-025-16501-8)
841. Stagos-Georgiadis, A., Suciú, I., **Busch, W.**, Bloch, D. (2025):
Comparing the effects of active substances and plant protection products *in vitro* using gene expression patterns in HepaRG cells and zebrafish embryos
Toxicol. Lett. **411** (Supplement), S257
[10.1016/j.toxlet.2025.07.607](https://doi.org/10.1016/j.toxlet.2025.07.607)
842. Stark, J.S., **Schröder, O.**, Müller, J., Seifert, L., Pauls, S.U. (2025):
Temporal monitoring of genetic diversity in aquatic insects: a pilot study in the Bavarian Forest National Park
ZooKeys (1263), 499 - 518
[10.3897/zookeys.1263.147797](https://doi.org/10.3897/zookeys.1263.147797)
843. Stark, T., Wurm, M., **Ştefan, V., Wolf, F.**, Taubenböck, H., **Knight, T.M.** (2025):
Utilizing CNNs for classification and uncertainty quantification for 15 families of European fly pollinators
PLOS One **20** (9), e0323984
[10.1371/journal.pone.0323984](https://doi.org/10.1371/journal.pone.0323984)
844. Staude, I.R., Grenié, M., Thomas, C.D., **Kühn, I.**, Zizka, A., **Golivets, M., Ledger, S.E.H., Méndez, L.** (2025):
Many non-native plant species are threatened in parts of their native range
New Phytol. **247** (4), 1579 - 1583
[10.1111/nph.70193](https://doi.org/10.1111/nph.70193)
845. Staudinger, M., Herzog, A., Loritz, R., Houska, T., Pool, S., Spieler, D., Wagner, P.D., Mai, J., Kiesel, J., **Thober, S.**, Guse, B., Ehret, U. (2025):
How well do process-based and data-driven hydrological models learn from limited discharge data?
Hydrol. Earth Syst. Sci. **29** (19), 5005 - 5029
[10.5194/hess-29-5005-2025](https://doi.org/10.5194/hess-29-5005-2025)

846. Stefan, K., Namasivayam, V., **Akhter, M.T.**, Gyimesi, G., Rafahi, M., Busch, H., Trombik, T., **Luckenbach, T.**, König, J., Stefan, S.M. (2025): Polypharmacology translates between species and phylogenetic distance: A functional, bioinformatic, and structural study on organic anion transporting polypeptides
Biochem. Pharmacol. **239**, art. 117049
[10.1016/j.bcp.2025.117049](https://doi.org/10.1016/j.bcp.2025.117049)
847. Stemmler, R., Arab, A., Bauer, S., Beyer, C., Blöcher, G., Bossennec, C., **Dörnbrack, M.**, Hahn, F., Jaeger, P., Kranz, S., Mauerberger, A., Nordheim, J.N., Ohagen, M., Petrova, E., Regenspurg, S., Rettenmaier, D., Saadat, A., Sass, I., Scheytt, T., Scholliers, N., **Shao, H.**, Tzoufka, K., Zosseder, K., Blum, P. (2025): Current research on aquifer thermal energy storage (ATES) in Germany [Aktuelle Forschung zu thermischen Aquiferspeichern in Deutschland]
Grundwasser **30** (2), 107 - 124
[10.1007/s00767-025-00590-3](https://doi.org/10.1007/s00767-025-00590-3)
848. Stockenreiter, M., Hammerstein, S., Ilić, M., Titocci, J., **Fink, P.**, Stibor, H. (2025): Mesocosm studies linking phytoplankton diversity and zooplankton nutrition: The role of essential fatty acids in complex natural communities
Limnol. Oceanogr. **70** (S2), S84 - S98
[10.1002/lno.70252](https://doi.org/10.1002/lno.70252)
849. **Strobel, P., Bezama, A.**, Gheewala, S.H., **Thrän, D.** (2025): Techno-economic and environmental evaluation of decentralized bioethanol production from agricultural residues in Thailand
Energy Conv. Manag.-X **27**, art. 101095
[10.1016/j.ecmx.2025.101095](https://doi.org/10.1016/j.ecmx.2025.101095)
850. **Stumpf, K., Simon, C., Miltner, A., Maskow, T., Lechtenfeld, O.J.** (2025): Deciphering the energy use channels in soil organic matter: Impacts of long-term manure addition and necromass revealed by LC-FT-ICR-MS
Soil Biol. Biochem. **208**, art. 109857
[10.1016/j.soilbio.2025.109857](https://doi.org/10.1016/j.soilbio.2025.109857)
851. Subirana, M.A., Thomas, S., Hause, G., Dobritsch, D., Glahn, F., Schaumlöffel, D., **Herzberg, M.** (2025): Uptake, localization and dissolution of barium sulfate nanoparticles in human lung cells explored by the combination of ICP-MS, TEM and NanoSIMS
J. Trace Elem. Med. Biol. **89**, art. 127650
[10.1016/j.jtemb.2025.127650](https://doi.org/10.1016/j.jtemb.2025.127650)

852. **Sunjidmaa, N.,** Mendoza-Lera, C., **Pasqualini, J., Fink, P., Bartusch, A., Borchardt, D., Jähkel, A., Graeber, D.** (2025):
Correction to: Irradiance and biofilm age control daytime and nighttime macronutrient cycling in stream mesocosms
Biogeochemistry **168** (2), art. 42
[10.1007/s10533-025-01227-6](https://doi.org/10.1007/s10533-025-01227-6)
853. **Sunjidmaa, N.,** Mendoza-Lera, C., **Pasqualini, J., Fink, P., Bartusch, A., Borchardt, D., Jähkel, A., Graeber, D.** (2025):
Irradiance and biofilm age control daytime and nighttime macronutrient cycling in stream mesocosms
Biogeochemistry **168** (2), art. 25
[10.1007/s10533-025-01215-w](https://doi.org/10.1007/s10533-025-01215-w)
854. **Sweet, L.-B.,** Athanasiadis, I.N., van Bree, R., Castellano, A., Martre, P., Paudel, D., Ruane, A.C., **Zscheischler, J.** (2025):
Transdisciplinary coordination is essential for advancing agricultural modeling with machine learning
One Earth **8** (4), art. 101233
[10.1016/j.oneear.2025.101233](https://doi.org/10.1016/j.oneear.2025.101233)
855. Sylvester, Z.T., Veytia, D., Bahl, A.A., **Bahlburg, D.,** Benkort, D., Bestley, S., Cagdas, B., Cleary, A.C., Constable, A., Corney, S., Fach, B.A., Hellessey, N., Hill, S.L., Johnston, N.M., Labrousse, S., Merkel, B., Murphy, E.J., Subramaniam, R.C., Thorpe, S., Raymond, B. (2025):
Untangling the complexities of larval Antarctic krill overwintering success under climate change
ICES J. Mar. Sci. **82** (4), fsaf049
[10.1093/icesjms/fsaf049](https://doi.org/10.1093/icesjms/fsaf049)
856. **Synodinos, A.D.,** Montoya, J.M., Sentis, A., Haegeman, B. (2025):
A simplified approach for assessing the effects of temperature change on the stability of consumer–resource interactions
Oikos **2025** (5), e10761
[10.1111/oik.10761](https://doi.org/10.1111/oik.10761)
857. Szabó, D., Jung, A., Varga, Z., Hajdu, E., Revoly, A., **Lausch, A.,** Vohland, M., Sipos, L. (2025):
Agricultural lighting strategies in portugal: insights from DLI mapping
Agronomy-Basel **15** (12), art. 2860
[10.3390/agronomy15122860](https://doi.org/10.3390/agronomy15122860)

858. Taheri, Z., Javid, M., Esmaili, S., Sedighi, A., Firozjaei, M.K., **Haase, D.** (2025): Mapping urban environmental quality in Isfahan: A scenario-driven framework for decision support
Land **14** (11), art. 2213
[10.3390/land14112213](https://doi.org/10.3390/land14112213)
859. **Tal, T.** (2025): The microbiome modifies neurobehavior in zebrafish exposed to Aryl Hydrocarbon Receptor (AHR) modulators
Toxicol. Lett. **411** (Supplement), S45 - S46
[10.1016/j.toxlet.2025.07.138](https://doi.org/10.1016/j.toxlet.2025.07.138)
860. Talози, S., Al-Kebsi, A., **Klassert, C.** (2025): Energy for water and food: Assessing the energy demand of Jordan's main water conveyance system between 2015 and 2050
Water **17** (10), art. 1496
[10.3390/w17101496](https://doi.org/10.3390/w17101496)
861. Tammeorg, O., Kragh, T., Nürnberg, G.K., Carvalho, L., Huser, B., Jilbert, T., Augustyniak-Tunowska, R., **Dadi, T., Friese, K.,** Grinberga, L., Grochowska, J.K., Haande, S., Härkönen, L.H., Hupfer, M., Irvine, K., Jamwal, P., Klamt, A.-M., Liu, Z., McElarney, Y., Mucci, M., Özkundakci, D., Ozoliņš, D., Polauke, E., Portilla, K., Reitzel, K., **Rinke, K.,** Sammalkorpi, I., Sarvala, J., Schampera, C., Silva, A.M.M., Skuja, A., Spears, B.M., Tammeorg, P., Wang, H., Zhang, P., Lüring, M. (2025): Towards sustainable lake restoration
Sci. Total Environ. **994**, art. 180001
[10.1016/j.scitotenv.2025.180001](https://doi.org/10.1016/j.scitotenv.2025.180001)
862. Tanabe, S., Burgdorf, T., Choi, J., Delrue, N., Edwards, S.W., Filipovska, J., FitzGerald, R., Halappanavar, S., Hench, V.K., Karschnik, T., LaLone, C., Landesmann, B., La Rocca, C., Luijten, M., Meek, B., O'Brien, J.M., Perkins, E.J., Perkins, S., **Scholz, S.,** Song, Y., Tcheremenskaia, O., Thomas, R., Tollefsen, K.E., Villeneuve, D.L., Viviani, B., Whelan, M., Wittwehr, C., Yauk, C. (2025): Adverse Outcome Pathway (AOP) Coaching Program—how it functions and contributes to a more harmonized approach to AOP development and construction of AOP networks with regulatory utility
Environ. Toxicol. Chem. **44** (10), 2725 - 2732
[10.1093/etjnl/vgaf173](https://doi.org/10.1093/etjnl/vgaf173)

863. Tanca, A., Schallert, K., Grenga, L., Peters, S.L., Abbondio, M., De Diego, L., Deledda, M.A., **Haange, S.-B.**, Miotello, G., Sáenz, J.S., Wolf, M., Bastida, F., Devos, S., Hernandez-Raquet, G., Seifert, J., Wilmes, P., Van Den Bossche, T., Kunath, B.J., Heyer, R., **Jehlich, N.**, Benndorf, D., Hettich, R.L., Armengaud, J., Uzzau, S. (2025):
Critical Assessment of MetaProteome Investigation 2 (CAMPI-2): multi-laboratory assessment of sample processing methods to stabilize fecal microbiome for functional analysis
Microbiome **13** , art. 245
[10.1186/s40168-025-02248-x](https://doi.org/10.1186/s40168-025-02248-x)
864. Tang, Q., Lu, T., Zhang, J., Huang, H., Guo, B., **Nunes da Rocha, U.**, **Nikolausz, M.**, Shen, P., Wei, Y., Deng, Y., **Richnow, H.H.** (2025):
Response of antibiotic resistance genes expression and mediating role of viral community to antibiotics and heavy metals in anaerobic digestion
Chem. Eng. J. **509** , art. 161396
[10.1016/j.cej.2025.161396](https://doi.org/10.1016/j.cej.2025.161396)
865. Tang, T., Schmid, B., Schuman, M.C., Bongers, F.J., Li, S., Liang, Y., van Moorsel, S.J., von Oheimb, G., **Durka, W.**, Bruelheide, H., Ma, K., Liu, X. (2025):
Identifying seed families with high mixture performance in a subtropical forest biodiversity experiment
New Phytol. **246** (6), 2537 - 2550
[10.1111/nph.70130](https://doi.org/10.1111/nph.70130)
866. **Tanui, I.C.**, Kandie, F., Chepchirchir, R., Mwalimu, R., Kiprop, A., **Shahid, N.**, **Liess, M.**, **Krauss, M.**, Smith, K.E.C., **Brack, W.** (2025):
Assessment of chemical footprints of hydrophobic pesticide/biocide contamination in western Kenya using polydimethylsiloxane silicone passive samplers
Environ. Pollut. **382** , art. 126652
[10.1016/j.envpol.2025.126652](https://doi.org/10.1016/j.envpol.2025.126652)
867. **Tanui, I.C.**, Kandie, F., **Krauss, M.**, **Piotrowska, A.**, **Finckh, S.**, Kiprop, A., Hollert, H., **Shahid, N.**, **Liess, M.**, **Brack, W.** (2025):
Occurrence and potential risk of steroid hormones in selected surface water and wastewater treatment plants in western Kenya
Environ. Pollut. **367** , art. 125623
[10.1016/j.envpol.2024.125623](https://doi.org/10.1016/j.envpol.2024.125623)
868. Tanunchai, B., Nonthijun, P., **Schädler, M.**, Disayathanoowat, T., Noll, M. (2025):
The enrichment of nitrogen-fixing bacteria on degrading biodegradable plastics during the early stage of degradation under agricultural soil conditions and changing climate
J. Hazard. Mater. Adv. **20** , art. 100793
[10.1016/j.hazadv.2025.100793](https://doi.org/10.1016/j.hazadv.2025.100793)

869. Tanunchai, B., **Schädler, M.**, Noll, M. (2025):
Future climate and agricultural farming systems affect the fungal plastisphere of different biodegradable plastics at the early stage of field degradation
Environ. Sci. Eur. **37** , art. 23
[10.1186/s12302-025-01051-7](https://doi.org/10.1186/s12302-025-01051-7)
870. Tao, Y., Zhang, Y., **Kong, X.**, Zhang, S., Xue, Y., Ao, W., Pang, B., Dou, H., Xue, B. (2025):
Record-setting cyanobacterial bloom in the largest freshwater lake in northern China caused by joint effects of hydrological variations and nutrient enrichment
Environ. Res. **268** , art. 120813
[10.1016/j.envres.2025.120813](https://doi.org/10.1016/j.envres.2025.120813)
871. Tapas, M.R., Etheridge, R., Tran, T.-N.-D., Le, M.-H., Hinckley, B., **Nguyen, V.T.**, Lakshmi, V. (2025):
Evaluating combinations of rainfall datasets and optimization techniques for improved hydrological predictions using the SWAT+ model
J. Hydrol. Reg. Stud. **57** , art. 102134
[10.1016/j.ejrh.2024.102134](https://doi.org/10.1016/j.ejrh.2024.102134)
872. **Ştefan, V.**, Stark, T., Wurm, M., Taubenböck, H., **Knight, T.M.** (2025):
Successes and limitations of pretrained YOLO detectors applied to unseen time-lapse images for automated pollinator monitoring
Sci. Rep. **15** , art. 30671
[10.1038/s41598-025-16140-z](https://doi.org/10.1038/s41598-025-16140-z)
873. **Ştefan, V.**, **Workman, A.**, **Cobain, J.C.**, **Rakosy, D.**, **Knight, T.M.** (2025):
Utilising affordable smartphones and open-source time-lapse photography for pollinator image collection and annotation
J. Pollinat. Ecol. **38** , 1 - 21
[10.26786/1920-7603\(2025\)778](https://doi.org/10.26786/1920-7603(2025)778)
874. Teggers, E.-M., Hardebusch, J., Meisterjahn, B., Simon, M., Hennecke, D., Heumann, R., Egger, H., Dalkmann, P., Schäffer, A., **Jahnke, A.** (2025):
Diversifying endpoints in biodegradation testing of microplastics
Environ. Sci. Eur. **37** , art. 65
[10.1186/s12302-025-01096-8](https://doi.org/10.1186/s12302-025-01096-8)
875. Teggers, E.-M., Heck, S., Meisterjahn, B., Simon, M., Hennecke, D., Heumann, R., Egger, H., Dalkmann, P., **Jahnke, A.**, Schäffer, A. (2025):
Modified oil extraction of pristine and weathered synthetic polyurea microcapsules and polyethylene microplastics from soil
Microplastics and Nanoplastics **5** , art. 21
[10.1186/s43591-025-00121-0](https://doi.org/10.1186/s43591-025-00121-0)

876. Teggers, E.-M., Winterhoff, S., Heck, S., Hardebusch, J., Meisterjahn, B., Simon, M., Hennecke, D., Heumann, R., Egger, H., Dalkmann, P., Schäffer, A., **Jahnke, A.** (2025):
Simulated sunlight exposure as a prerequisite for the biodegradation of persistent microplastics
J. Hazard. Mater. **500** , art. 140424
[10.1016/j.jhazmat.2025.140424](https://doi.org/10.1016/j.jhazmat.2025.140424)
877. ten Hietbrink, S., **Materić, D.**, Holzinger, R., Groeskamp, S., Niemann, H. (2025):
Nanoplastic concentrations across the North Atlantic
Nature **643** (8071), 412 - 416
[10.1038/s41586-025-09218-1](https://doi.org/10.1038/s41586-025-09218-1)
878. Thakur, V., Markonis, Y., **Kumar, R.**, Thomson, J.R., Vargas Godoy, M.R., Hanel, M., Rakovec, O. (2025):
Unveiling the impact of potential evapotranspiration method selection on trends in hydrological cycle components across Europe
Hydrol. Earth Syst. Sci. **29** (18), 4395 - 4416
[10.5194/hess-29-4395-2025](https://doi.org/10.5194/hess-29-4395-2025)
879. Thaler, T., **Kuhlicke, C.**, Hartmann, T. (2025):
Social innovations and transformations in flood risk management
J. Flood Risk Manag. **18** (1), e70008
[10.1111/jfr3.70008](https://doi.org/10.1111/jfr3.70008)
880. Theodorou, P., Osterman, W.H.A., Mrozek, J.H., Wild, B.S., **Beckmann, M.**, Osterman, J., Paxton, R.J. (2025):
Protected areas do not outperform urban wastelands in supporting insect pollinators and pollination in central Germany
Basic Appl. Ecol. **84** , 29 - 39
[10.1016/j.baae.2025.02.001](https://doi.org/10.1016/j.baae.2025.02.001)
881. Thiel, J., Sürün, D., Brändle, D.C., Teichert, M., Künzel, S.R., Friedrich, U., Dahl, A., **Schubert, K.**, Rzagalinski, I., Shevchenko, A., Traikov, S., Mirtschink, P., Wagenführ, L., Buchholz, F., Hölig, K., Tonn, T., Kronstein-Wiedemann, R. (2025):
Knock out of miRNA-30a-5p and reconstitution of the actin network dynamics partly restores the impaired terminal erythroid differentiation during blood pharming
Stem Cell Rev. Rep. **21** , 2637 - 2653
[10.1007/s12015-025-10957-x](https://doi.org/10.1007/s12015-025-10957-x)

882. **Thrän, D.**, Adetona, A., **Borchers, M.**, Cyffka, K.-F., Daniel-Gromke, J., Oehmichen, K. (2025):
Potential contribution of biogas to net zero energy systems - A comparative study of Canada and Germany
Biomass Bioenerg. **193** , art. 107561
[10.1016/j.biombioe.2024.107561](https://doi.org/10.1016/j.biombioe.2024.107561)
883. **Thrän, D.**, **Borchers, M.**, Lenz, V., **Jordan, M.**, **Markus, T.**, **Matzner, N.**, Oehmichen, K., **Otto, D.**, Radtke, K.S., **Reshef, N.**, **Sadr, M.**, **Siedschlag, D.**, Wollnik, R. (2025):
The role of BECCS in Germany: a key to sustainable and permanent CO₂ removal?
Environ. Res. Commun. **7** (9), art. 091010
[10.1088/2515-7620/ae02ee](https://doi.org/10.1088/2515-7620/ae02ee)
884. **Thrän, D.**, Nevander, M., Lange, N., Schipfer, F., Schildhauer, T., Kiel, J., Hennig, C., Kanto, T., Schleker, T., Anderson, K. (2025):
Flexible bioenergy provision and system integration - concepts, examples and the expected contribution in net zero energy systems
33rd European Biomass Conference and Exhibition, Valencia, Spain, 9-12 June 2025
EUBCE Proceedings
ETA-Florence Renewable Energies, Florence, p. 424 - 433
[10.5071/33rdEUBCE2025-3BO.3.1](https://doi.org/10.5071/33rdEUBCE2025-3BO.3.1)
885. Tingskov Pedersen, C.-E., Hoang, T.T., Jin, J., Starnawska, A., Granell, R., Elliott, H.R., Huels, A., Zar, H.J., Stein, D.J., Zhang, Y., den Dekker, H.T., Duijts, L., Felix, J.F., Sangüesa, J., Bustamante, M., Casas, M., Vrijheid, M., Kadalayil, L., Rezwan, F.I., Arshad, H., Holloway, J.W., **Röder, S.**, **Zenclussen, A.C.**, **Herberth, G.**, Heine Staunstrup, N., Thisted Horsdal, H., Mill, J., Hannon, E., iPSYCH-MINERvA Group, et al. (2025):
Maternal asthma and newborn DNA methylation
Clin. Epigenetics **17** , art. 79
[10.1186/s13148-025-01858-4](https://doi.org/10.1186/s13148-025-01858-4)
886. Tipaldi, M., Iervolino, R., Massenio, P.R., **Forootani, A.** (2025):
A data-driven practical stabilization approach for solving stochastic dynamic programming problems
Automatica **178** , art. 112372
[10.1016/j.automatica.2025.112372](https://doi.org/10.1016/j.automatica.2025.112372)

887. Tisler, S., Zweigle, J., Kregler Gotil, M., **Finckh, S., Brack, W.**, Braxmaier, E.-M., Meyer, C., Hollender, J., Kosjek, T., Schymanski, E.L., Larsson, P., Kärrman, A., Selin, E., Elabbadi, D., Elliss, H., Kasprzyk-Hordern, B., Boogaerts, T., Covaci, A., Oberacher, H., Flores Quintana, H., Lai, F.Y., Ahrens, L., Assoumani, A., Béen, F., Christensen, J.H. (2025):
Nontarget and suspect screening of fluorinated ionic liquids and PFAS in European wastewaters using supercritical fluid chromatography
Environ. Sci. Technol. **59** (39), 21300 - 21311
[10.1021/acs.est.5c06876](https://doi.org/10.1021/acs.est.5c06876)
888. **Tittel, J.**, Lüderitz, V., Radke, S., **Rosenlöcher, Y., Lechtenfeld, O.J.** (2025):
Invariable selection of compounds from organic matter by stream microbes
Geochim. Cosmochim. Acta **392**, 107 - 118
[10.1016/j.gca.2024.12.003](https://doi.org/10.1016/j.gca.2024.12.003)
889. Tourbez, C., Gekière, A., Bottero, I., Chauzat, M.-P., Cini, E., Corvucci, F., de Miranda, J.R., di Prisco, G., **Dominik, C.**, Grillenzoni, F.V., Hodge, S., Kiljanek, T., Knauer, A., Laurent, M., Martínez-López, V., Raimets, R., Schwarz, J.M., Senapathi, D., Serra, G., Tamburini, G., Wintermantel, D., Brown, M.J.F., Albrecht, M., Costa, C., De la Rúa, P., Klein, A.-M., Mänd, M., Potts, S.G., Rundlöf, M., **Schweiger, O.**, Stout, J.C., Michez, D. (2025):
Variation in the pollen diet of managed bee species across European agroecosystems
Agric. Ecosyst. Environ. **383**, art. 109518
[10.1016/j.agee.2025.109518](https://doi.org/10.1016/j.agee.2025.109518)
890. Tran, V.N., Xu, D., **Nguyen, V.T.**, Kim, T., Ivanov, V.Y. (2025):
CAMELSH: A large-sample hourly hydrometeorological dataset and attributes at watershed-scale for CONUS
Sci. Data **12**, art. 1307
[10.1038/s41597-025-05612-6](https://doi.org/10.1038/s41597-025-05612-6)
891. **Tripathi, M., Vinson, A.C.**, Yadav, P.K., Chahar, B.R., **Dietrich, P.** (2025):
Analytical quantification of streambed and aquifer influence on exchange flux in fully connected losing streams
Sustain. Wat. Resour. Manag. **11** (2), art. 31
[10.1007/s40899-025-01192-w](https://doi.org/10.1007/s40899-025-01192-w)
892. Tsang, T.P.N., De Santis, A.A.A., Armas-Quiñonez, G., Ascher, J.S., Ávila-Gómez, E.S., Báldi, A., Ballare, K.M., **Sritongchuay, T.**, Steffan-Dewenter, I., et al. (2025):
Land use change consistently reduces α - but not β - and γ -diversity of bees
Glob. Change Biol. **31** (1), e70006
[10.1111/gcb.70006](https://doi.org/10.1111/gcb.70006)

893. **Tüllinghoff, A., Sträuber, H., Baleeiro, F.C.F., Aurich, A., Chávez Morejón, M., Meisel, K., Cyffka, K.-F., Harnisch, F., Bühler, K., Thrän, D.** (2025):
Towards net zero land biotechnology: an assessment of biogenic feedstock potential for selected bioprocesses in Germany
Biotechnol. Biofuels Bioprod. **18** , art. 69
[10.1186/s13068-025-02673-y](https://doi.org/10.1186/s13068-025-02673-y)
894. Tyllianakis, E., **Will, M.**, Václavík, T., Ziv, G. (2025):
Drivers and preferences of European farmers for agri-environmental public goods schemes: A two-stage analysis
J. Nat. Conserv. **86** , art. 126912
[10.1016/j.jnc.2025.126912](https://doi.org/10.1016/j.jnc.2025.126912)
895. **Ude, E.O., Sure, P., Rimjhim, R., Adrian, L., Ding, C.** (2025):
Fractionating proteins with nitrite-reducing activity in “*Candidatus Kuenenia stuttgartiensis*” strain CSTR1
Front. Microbiol. **16** , art. 1483703
[10.3389/fmicb.2025.1483703](https://doi.org/10.3389/fmicb.2025.1483703)
896. Uebel, K., **Bonn, A., Marselle, M.**, Dean, A.J., Rhodes, J.R. (2025):
Understory vegetation can promote bird sounds and reduce traffic noise in urban park soundscapes
Urban Ecosyst. **28** (2), art. 71
[10.1007/s11252-025-01673-y](https://doi.org/10.1007/s11252-025-01673-y)
897. **Ul Haq, H.**, Hauer, A., **Singavarapu, B.**, Christel, H., Cesarz, S., Eisenhauer, N., Ferlian, O., Bruelheide, H., **Wubet, T.** (2025):
The interactive effect of tree mycorrhizal type, mycorrhizal type mixture and tree diversity shapes rooting zone soil fungal communities in temperate forest ecosystems
Funct. Ecol. **39** (6), 1441 - 1454
[10.1111/1365-2435.14651](https://doi.org/10.1111/1365-2435.14651)
898. **Ul Haq, H., Singavarapu, B.**, Ferlian, O., Christel, H., Cesarz, S., Eisenhauer, N., Bruelheide, H., **Wubet, T.** (2025):
Impacts of mycorrhizal types, tree diversity and species identity on the soil microbial genomic functional potential in temperate forests
Microbiol. Spectr. **13** (12), e00295-25
[10.1128/spectrum.00295-25](https://doi.org/10.1128/spectrum.00295-25)
899. **Ul Haq, H.**, Singavarapu, B., Hauer, A., Eisenhauer, N., Ferlian, O., Bruelheide, H., **Wubet, T.** (2025):
Temperate forest soil microbiomes and their assembly processes are modulated by the interplay of co-existing tree species identity, diversity and their mycorrhizal type
Journal of Sustainable Agriculture and Environment **4** (2), e70064
[10.1002/sae2.70064](https://doi.org/10.1002/sae2.70064)

900. Ul, Z., Sulonen, M., **Haus, P., Izadi, P.**, Baeza, J.A., **Harnisch, F.**, Guisasola, A. (2025): Evaluation of single chamber electrochemical reduction of CO₂ to formate for application under biocompatible conditions
J. CO₂ Util. **97** , art. 103136
[10.1016/j.jcou.2025.103136](https://doi.org/10.1016/j.jcou.2025.103136)
901. **Ulrich, N.**, Voigt, K., **Kudria, A., Böhme, A., Ebert, R.-U.** (2025): Prediction of the water solubility by a graph convolutional-based neural network on a highly curated dataset
J. Cheminformatics **17** , art. 55
[10.1186/s13321-025-01000-9](https://doi.org/10.1186/s13321-025-01000-9)
902. **Uthoff, C., Herold, N.**, Alkassab, A.T., **Engelmann, B., Rolle-Kampczyk, U.**, Pistorius, J., **Schweiger, N., Finckh, S., Krauss, M.**, Thum, A.S., **Jehmlich, N., Tal, T., von Bergen, M.** (2025): Cross-taxa sublethal impacts of plant protection products on honeybee in-hive and zebrafish swimming behaviours at environmentally relevant concentrations
Environ. Int. **203** , art. 109750
[10.1016/j.envint.2025.109750](https://doi.org/10.1016/j.envint.2025.109750)
903. Valloton, J.D., Galagedara, L., **Altdorff, D.**, Unc, A. (2025): Boreal soil homogenization after conversion to agricultural use is constrained by carbon dynamics and soil health
Catena **261** , art. 109553
[10.1016/j.catena.2025.109553](https://doi.org/10.1016/j.catena.2025.109553)
904. Van Binh, D., Nguyen, B.Q., Nguyen, T.-T.-H., Le, X.-H., Tuan, L.A., Le, M.-H., Kantoush, S.A., **Nguyen, V.T.**, Dinh, V.N., Luan, N.T., Ahmed, M.F., Sumi, T. (2025): Quantifying the impacts of climate change and human interventions on flow alterations in a tropical river
Water Resour. Manag. **39** , 3537 - 3552
[10.1007/s11269-025-04121-w](https://doi.org/10.1007/s11269-025-04121-w)
905. Van Den Bossche, T., Armengaud, J., Benndorf, D., Blakeley-Ruiz, J.A., Brauer, M., Cheng, K., Creskey, M., Figeys, D., Grenga, L., Griffin, T.J., Henry, C., Hettich, R.L., Holstein, T., Jagtap, P.D., **Jehmlich, N.**, Kim, J., Kleiner, M., Kunath, B.J., Malliet, X., Martens, L., Mehta, S., Mesuere, B., Ning, Z., Tanca, A., Uzzau, S., Verschaffelt, P., Wang, J., Wilmes, P., Zhang, X., Zhang, X., Li, L., The Metaproteomics Initiative, (2025): The microbiologist's guide to metaproteomics
iMeta **4** (3), e70031
[10.1002/imt2.70031](https://doi.org/10.1002/imt2.70031)

906. van Dijk, H., **Geers-Lucas, M.**, Henjes, S., Rohe, L., **Vogel, H.-J.**, Horn, M.A., **Schlüter, S.** (2025):
Moderate effects of distance to air-filled macropores on denitrification potentials in soils
Biol. Fert. Soils **61** (3), 385 - 399
[10.1007/s00374-024-01864-3](https://doi.org/10.1007/s00374-024-01864-3)
907. van Wyk, E., Moore, L., Lecavalier, E., **Berghöfer, A.**, **Karutz, R.**, Kyessi, A., Maree, G. (2025):
Mainstreaming nature-based solutions in Dar es Salaam, Tanzania: a capacity perspective on transformative change
Nature-Based Solutions **8**, art. 100261
[10.1016/j.nbsj.2025.100261](https://doi.org/10.1016/j.nbsj.2025.100261)
908. Varsadiya, M., **Dehghani, F.**, **Yang, S.**, **Blagodatskaya, E.**, **Maskow, T.**, Meier, D.V., Lueders, T. (2025):
Carbon and energy utilization in microbial cell extracts from soil
Eur. J. Soil Biol. **124**, art. 103713
[10.1016/j.ejsobi.2025.103713](https://doi.org/10.1016/j.ejsobi.2025.103713)
909. Vartanian, M., Endres, K.J., Lee, Y.T., Friedrich, S., **Meemken, M.-T.**, Schamarek, I., Rohde-Zimmermann, K., Schürfeld, R., Eisenberg, L., Hilbert, A., Beyer, F., Stumvoll, M., Sacher, J., Villringer, A., Christensen, J.F., Witte, A.V. (2025):
Investigating the impact of microbiome-changing interventions on food decision-making: MIFOOD study protocol
BMC Nutr. **11**, art. 8
[10.1186/s40795-024-00971-6](https://doi.org/10.1186/s40795-024-00971-6)
910. **Vehling, F.**, Kosakowski, G., **Shao, H.** (2025):
Two-phase reactive transport modeling of heterogeneous gas production in a low- and intermediate-level radioactive waste repository
Appl. Geochem. **178**, art. 106219
[10.1016/j.apgeochem.2024.106219](https://doi.org/10.1016/j.apgeochem.2024.106219)
911. **Veit, M.C.**, **Stauder, R.**, **Bai, Y.**, **Gabhrani, R.**, **Schmidt, M.**, **Klähn, S.**, **Lai, B.** (2025):
The necessity of multi-parameter normalization in cyanobacterial research: A case study of the PsbU in *Synechocystis* sp. PCC 6803 using CRISPRi
J. Biol. Chem. **301** (11), art. 110763
[10.1016/j.jbc.2025.110763](https://doi.org/10.1016/j.jbc.2025.110763)
912. Verbücheln, N., Schaufelberger, S., Cardis, T., **Tanui, I.C.**, Kandie, F., **Brack, W.**, Backhaus, T., Inostroza, P.A. (2025):
Bacterial community responses to micropollutants in chemically stressed small rivers in Kenya using environmental DNA
FEMS Microbiol. Lett. **372**, fnaf113
[10.1093/femsle/fnaf113](https://doi.org/10.1093/femsle/fnaf113)

913. Villamar, J., **Kelbling, M.**, More, H.L., Denker, M., Tetzlaff, T., Senk, J., **Thober, S.** (2025):
Metadata practices for simulation workflows
Sci. Data **12**, art. 942
[10.1038/s41597-025-05126-1](https://doi.org/10.1038/s41597-025-05126-1)
914. Villette, R., Ortís Sunyer, J., Novikova, P.V., Aho, V.T.E., Petrov, V.A., Hickl, O., Busi, S.B., De Rudder, C., Kunath, B.J., Heintz-Buschart, A., Trezzi, J.-P., Halder, R., Jäger, C., Lebrun, L.A., Daujeumont, A., Schade, S., Janzen, A., **Jehmlich, N.**, **von Bergen, M.**, Laczny, C.C., May, P., Trenkwalder, C., Oertel, W., Mollenhauer, B., Wilmes, P. (2025):
Integrated multi-omics highlights alterations of gut microbiome functions in prodromal and idiopathic Parkinson's disease
Microbiome **13**, art. 200
[10.1186/s40168-025-02227-2](https://doi.org/10.1186/s40168-025-02227-2)
915. Vindušková, O., Deckmyn, G., Reynaert, S., Vancampenhout, K., **Schlüter, S.**, Frouz, J., De Boeck, H., Portillo-Estrada, M., Verbruggen, E., Asard, H., Beemster, G.T.S., Nijs, I. (2025):
More persistent precipitation regimes induce soil degradation
Geoderma **455**, art. 117230
[10.1016/j.geoderma.2025.117230](https://doi.org/10.1016/j.geoderma.2025.117230)
916. **Virtanen, R.**, Borer, E.T., Crawley, M., Ebeling, A., **Harpole, W.S.**, Risch, A.C., **Roscher, C.**, Schütz, M., Seabloom, E.W., **Eskelinen, A.** (2025):
Neglecting non-vascular plants leads to underestimation of grassland plant diversity loss under experimental nutrient addition
J. Ecol. **113** (7), 1672 - 1685
[10.1111/1365-2745.70052](https://doi.org/10.1111/1365-2745.70052)
917. Vorogushyn, S., Han, L., Apel, H., Nguyen, V.D., Guse, B., Guan, X., **Rakovec, O.**, **Najafi, H.**, **Samaniego, L.**, Merz, B. (2025):
It could have been much worse: spatial counterfactuals of the July 2021 flood in the Ahr Valley, Germany
Nat. Hazards Earth Syst. Sci. **25** (6), 2007 - 2029
[10.5194/nhess-25-2007-2025](https://doi.org/10.5194/nhess-25-2007-2025)
918. Wacker, T.S., van der Bom, F., Delory, B.M., **Vetterlein, D.**, Postma, J.A., Nagel, K.A., Schnepf, A., Dresbøll, D.B. (2025):
Back to the roots: standardizing root length density terminology
Plant Soil **511** (1-2), 91 - 98
[10.1007/s11104-024-07075-x](https://doi.org/10.1007/s11104-024-07075-x)

919. Waesch, C., Gao, Y., Koch, N., Gaede, N., **Hornick, T., Dusny, C.**, Fuchs, J., Börner, A., Himmelbach, A., Mascher, M., Pillen, K., **Dunker, S.**, Dreissig, S. (2025): Pollen and anther morphological variation in rye was shaped by domestication
BMC Plant Biol. **25**, art. 389
[10.1186/s12870-025-06416-x](https://doi.org/10.1186/s12870-025-06416-x)
920. Wagner, P.D., Duethmann, D., Kiesel, J., Pool, S., Hrachowitz, M., Ceola, S., Herzog, A., Houska, T., Loritz, R., Spieler, D., Staudinger, M., **Tarasova, L., Thober, S.**, Fohrer, N., Tetzlaff, D., Wagener, T., Guse, B. (2025): The unexploited treasures of hydrological observations beyond streamflow for catchment modeling
Wiley Interdiscip. Rev.-Water **12** (2), e70018
[10.1002/wat2.70018](https://doi.org/10.1002/wat2.70018)
921. Walder, L., Pallocca, G., Bastos, L.F., Beekhuijzen, M., Busquet, F., Constantino, H., Corvaro, M., Courtot, L., **Escher, B.**, Fernandez, R., Gougeon, E., Hansell, L., Herzler, M., Holden, L., Hornek-Gausterer, R., Irizar, A., Kandarova, H., Kern, P., Kolle, S., Lacasse, K., Lee, I., Macmillan, D.S., Maxwell, G., Moriarty, O., Nadzialek, S., Pochat, J., Reid, K., Revel, M., Ritskes-Hoitinga, M., Sobanski, T., Stoddart, G., Underhill, D., Veillette, M., Vriend, J., Westmoreland, C., Baines, J. (2025): EU roadmap for phasing out animal testing for chemical safety assessments: Recommendations from a multi-stakeholder roundtable
ALTEX-Altern. Anim. Exp. **42** (3), 435 - 450
[10.14573/altex.2503241](https://doi.org/10.14573/altex.2503241)
922. **Walther, F.**, Hofmann, M., **Rakosy, D.**, Plos, C., Deilmann, T.J., Lenk, A., Römermann, C., **Harpole, W.S., Hornick, T., Dunker, S.** (2025): Multispectral imaging flow cytometry for spatio-temporal pollen trait variation measurements of insect-pollinated plants
Cytom. Part A **107** (5), 293 - 308
[10.1002/cyto.a.24932](https://doi.org/10.1002/cyto.a.24932)
923. **Wang, G., Haenelt, S., Borim Corrêa, F., Nunes da Rocha, U., Musat, F., Zhang, J., Müller, J.A., Musat, N.** (2025): Riverine antibiotic resistome along an anthropogenic gradient
Front. Microbiol. **16**, art. 1516033
[10.3389/fmicb.2025.1516033](https://doi.org/10.3389/fmicb.2025.1516033)
924. Wang, H.-J., **Merz, R.**, Basso, S. (2025): Constructing a geography of heavy-tailed flood distributions: insights from common streamflow dynamics
Hydrol. Earth Syst. Sci. **29** (6), 1525 - 1548
[10.5194/hess-29-1525-2025](https://doi.org/10.5194/hess-29-1525-2025)

925. Wang, J., Shi, W., Zhang, W., Zeng, H., Deng, J., **Zhang, H.** (2025):
Ultrafast degradation of Cu(II)-EDTA by peroxymonosulfate activated with polyoxometalate clusters intercalated layered double hydroxides: Simultaneous decomplexation and resourcelization
Colloid Surf. A-Physicochem. Eng. Asp. **707** , art. 135835
[10.1016/j.colsurfa.2024.135835](https://doi.org/10.1016/j.colsurfa.2024.135835)
926. **Wang, M.**, Tausch, F., Schmidt, K., Diehl, M., Knaebe, S., Bargen, H., Faramarzi, F., **Grimm, V.** (2025):
Reduced honeybee pollen foraging under neonicotinoid exposure: Exploring reproducible individual and colony level effects in the field using AI and simulation
Environ. Sci. Technol. **59** (10), 4883 - 4892
[10.1021/acs.est.4c13656](https://doi.org/10.1021/acs.est.4c13656)
927. Wang, Q., Yang, J., **Heidbüchel, I.**, Xu, T., Lu, C. (2025):
The effect of rainfall variability on Nitrogen dynamics in a small agricultural catchment
Hydrol. Earth Syst. Sci. **29** (21), 6093 - 6113
[10.5194/hess-29-6093-2025](https://doi.org/10.5194/hess-29-6093-2025)
928. **Wang, S.**, Razavi, B.S., Spielvogel, S., **Blagodatskaya, E.** (2025):
Energy and matter dynamics in an estuarine soil are more sensitive to warming than salinization
Soil Biol. Biochem. **204** , art. 109742
[10.1016/j.soilbio.2025.109742](https://doi.org/10.1016/j.soilbio.2025.109742)
929. Wang, X., Geng, Y., **Zhou, T.**, Zhao, Y., Li, H., Liu, Y., Li, H., Ren, R., Zhang, Y., Xu, X., Liu, T., Si, B., **Lausch, A.** (2025):
Mapping the soil C:N ratio at the European scale by combining multi-year Sentinel radar and optical data via cloud computing
Soil Tillage Res. **245** , art. 106311
[10.1016/j.still.2024.106311](https://doi.org/10.1016/j.still.2024.106311)
930. Wang, Y., Huang, S., Singh, V.P., Shi, H., Leng, G., Huang, Q., Luo, J., Zheng, X., **Peng, J.** (2025):
Meteorological drought predictability dynamics and possible driving mechanisms in a changing environment in the Loess Plateau, China
Atmos. Res. **315** , art. 107842
[10.1016/j.atmosres.2024.107842](https://doi.org/10.1016/j.atmosres.2024.107842)
931. **Wang, Z.**, Yang, Y., **Kümmel, S.**, **Richnow, H.-H.**, **Nijenhuis, I.**, **Vogt, C.** (2025):
Heterotrophic nitrate reduction potential of an aquifer microbial community from psychrophilic to thermophilic conditions
Sci. Total Environ. **967** , art. 178716
[10.1016/j.scitotenv.2025.178716](https://doi.org/10.1016/j.scitotenv.2025.178716)

932. Wannous, M., **Siebert, C.** (2025):
Groundwater of the eastern Egyptian desert: Age and salinity patterns
Appl. Geochem. **184**, art. 106367
[10.1016/j.apgeochem.2025.106367](https://doi.org/10.1016/j.apgeochem.2025.106367)
933. Warner, W., Moeck, C., Haaf, E., Liesch, T., **Ebeling, P.**, Broda, S., Schulz, S. (2025):
Grundwasserdaten: Zugänglichkeit, Anforderungen und Potenziale für Forschung, Praxis
und Gesellschaft
Grundwasser **30** (3-4), 193 - 194
[10.1007/s00767-025-00593-0](https://doi.org/10.1007/s00767-025-00593-0)
934. Watermann, L.Y., **Durka, W.**, Erfmeier, A. (2025):
An established plant invader may still benefit from increasing genetic diversity —
Insights from artificial populations in a common garden experiment
Ecol. Evol. **15** (2), e70963
[10.1002/ece3.70963](https://doi.org/10.1002/ece3.70963)
935. Wayo, K., **Sritongchuay, T.**, Simla, P., Karnchananiyom, S., Nguyen, T.N.,
Duangphakdee, O., van Kleunen, M. (2025):
Pollinator interactions of native and introduced plants in smallholder tropical orchards
across a gradient of anthropogenic landscapes
Divers. Distrib. **31** (8), e70057
[10.1111/ddi.70057](https://doi.org/10.1111/ddi.70057)
936. Weber, S.N., **Ulrich, N.**, Mühlenberg, J., Engler, N., Nelles, M. (2025):
Determination of veterinary antibiotics in German poultry manure by ultrasonic assisted
extraction and QuEChERS coupled with LC-MS/MS
Talanta Open **12**, art. 100592
[10.1016/j.talo.2025.100592](https://doi.org/10.1016/j.talo.2025.100592)
937. Weichert, F.G., Inostroza, P.A., **Ahlheim, J.**, Backhaus, T., **Brack, W.**, **Brauns, M.**,
Fink, P., **Krauss, M.**, Svedberg, P., Hollert, H. (2025):
AI-aided chronic mixture risk assessment along a small European river reveals multiple
sites at risk and pharmaceuticals being the main risk drivers
Environ. Int. **197**, art. 109370
[10.1016/j.envint.2025.109370](https://doi.org/10.1016/j.envint.2025.109370)
938. Weimer, A., **Krömer, J.**, **Lai, B.**, Wittmann, C. (2025):
The TonB-dependent transport system facilitates the uptake of inorganic metal mediators
in *Pseudomonas putida* KT2440 in a bioelectrochemical system
Microb. Biotechnol. **18** (8), e70206
[10.1111/1751-7915.70206](https://doi.org/10.1111/1751-7915.70206)

939. Welch, E.W., Eakin, H., Methner, N., **Yogya, Y.**, Ma, J. (2025):
Conceptualizing meso-level organizations and their relations to catalyze transformative climate adaptation
Wiley Interdiscip. Rev.-Clim. Chang. **16** (6), e70034
[10.1002/wcc.70034](https://doi.org/10.1002/wcc.70034)
940. Wellenbeck, A., Hein, N., Tarkhnishvili, D., Misof, B., Schmidlein, S., Janiashvili, Z., Dzadzamia, L., **Feilhauer, H.** (2025):
Predicting woody species assemblages using ecophylogenetics and Earth observation data
For. Ecol. Manage. **589**, art. 122763
[10.1016/j.foreco.2025.122763](https://doi.org/10.1016/j.foreco.2025.122763)
941. Wellmann, T., **Knapp, S.**, Albert, C., Egerer, M., Fischer, L.K., **Kaiser, J.**, Kramer-Schadt, S., Mascarenhas, A., Ristok, C., Sporberr, M., Straka, T.M., Strohbach, M.W., Bleidorn, C., Marx, J.M., Xylander, W.E.R., Keil, P., **Haase, D.** (2025):
Status and trends of Germany's urban biodiversity: a nationwide assessment and identified knowledge gaps
Basic Appl. Ecol. **89**, 37 - 49
[10.1016/j.baae.2025.10.002](https://doi.org/10.1016/j.baae.2025.10.002)
942. Wendelboe-Nelson, C., Fisher, J.C., Straka, T.M., Sousa-Silva, R., Menzel, C., Alexandre, J.C., de Bell, S., **Oh, R.R.Y.**, **Bonn, A.**, Marselle, M.R. (2025):
Outdoor health intervention for refugees, migrants, and asylum-seekers: A mixed-methods pilot study
Health Place **91**, art. 103387
[10.1016/j.healthplace.2024.103387](https://doi.org/10.1016/j.healthplace.2024.103387)
943. **Wendt-Potthoff, K.**, **Mi, C.**, **Ahmadi, P.**, **Fleckenstein, J.H.**, **Rinke, K.** (2025):
Trapping of microplastic particles in Germany's largest drinking water reservoir: a simulation study
Environ. Sci. Eur. **37**, art. 150
[10.1186/s12302-025-01192-9](https://doi.org/10.1186/s12302-025-01192-9)
944. Wenskus, F., **Hecht, C.**, Hering, D., Januschke, K., **Rieland, G.**, Rumm, A., **Scholz, M.**, Weber, A., Horchler, P. (2025):
Effects of floodplain decoupling on taxonomic and functional diversity of terrestrial floodplain organisms
Ecol. Indic. **170**, art. 113106
[10.1016/j.ecolind.2025.113106](https://doi.org/10.1016/j.ecolind.2025.113106)

945. Wenskus, F., **Hecht, C.**, Horchler, P., Januschke, K., **Rieland, G.**, **Scholz, M.**, Weber, A., Hering, D. (2025):
Unravelling direct and indirect effects of river-floodplain connectivity on biodiversity: insights from the Elbe River floodplains
Biodivers. Conserv. **34** (8), 2829 - 2850
[10.1007/s10531-025-03098-7](https://doi.org/10.1007/s10531-025-03098-7)
946. Westerband, A.C., **Knight, T.M.**, Barton, K.E. (2025):
Scale-dependent variation in leaf functional traits clarifies mechanisms of invasion
Ecography **2025** (7), e07566
[10.1111/ecog.07566](https://doi.org/10.1111/ecog.07566)
947. Weynants, M., Ji, C., Linscheid, N., Weber, U., **Mahecha, M.D.**, Gans, F. (2025):
Dheed: an ERA5 based global database of compound dry and hot extreme events from 1950 to 2023
Earth Syst. Sci. Data **17** (11), 6621 - 6645
[10.5194/essd-17-6621-2025](https://doi.org/10.5194/essd-17-6621-2025)
948. **Weyrauch, S.**, **Seiwert, B.**, **Voll, M.**, **Reemtsma, T.** (2025):
Environmental aging of tire and road wear particles and tire additives: a long-term field study
Environ. Sci.-Process Impacts **11** (27), 3498 - 3505
[10.1039/D5EM00444F](https://doi.org/10.1039/D5EM00444F)
949. **Weyrauch, S.**, **Seiwert, B.**, **Voll, M.**, **Reemtsma, T.** (2025):
Long term biodegradation study on tire and road wear particles and chemicals thereof
Sci. Total Environ. **975** , art. 179240
[10.1016/j.scitotenv.2025.179240](https://doi.org/10.1016/j.scitotenv.2025.179240)
950. White, S.E., **Witing, F.**, **Wittekind, C.I.H.**, **Volk, M.**, **Strauch, M.** (2025):
Distilling the Pareto optimal front into actionable insights
Environ. Modell. Softw. **191** , art. 106508
[10.1016/j.envsoft.2025.106508](https://doi.org/10.1016/j.envsoft.2025.106508)
951. **Wick, L.Y.** (2025):
Rebuttal to correspondence on "DC electric fields promote biodegradation of waterborne naphthalene in biofilter systems"
Environ. Sci. Technol. **59** (40), 21761 - 21762
[10.1021/acs.est.5c12499](https://doi.org/10.1021/acs.est.5c12499)

952. Wiedenhofer, D., Wieland, H., **Leipold, S.**, Aoki-Suzuki, C., Watari, T., Aguilar-Hernandez, G.A., Graf, S., Edelenbosch, O.Y., Zanon-Zotin, M., Kaufmann, L., Fortes, P., Haas, W., Streeck, J. (2025):
The circular economy and climate change: The state of national and global evidence on mitigation potential
Annu. Rev. Environ. Resour. **50** , 563 - 592
[10.1146/annurev-environ-111523-102441](https://doi.org/10.1146/annurev-environ-111523-102441)
953. **Wiegand, T.**, Wang, X., **Fischer, S.M.**, Kraft, N.J.B., Bourg, N.A., Brockelman, W.Y., Cao, G., Cao, M., Chanthorn, W., Chu, C., Davies, S., Ediriweera, S., Gunatilleke, C.V.S., Gunatilleke, I.A.U.N., Hao, Z., Howe, R., Jiang, M., Jin, G., Kress, W.J., Li, B., Lian, J., Lin, L., Liu, F., Ma, K., McShea, W., Mi, X., Myers, J.A., Nathalang, A., Orwig, D.A., Shen, G., Su, S.-H., Sun, I.-F., Wang, X., Wolf, A., Yan, E., Ye, W., Zhu, Y., **Huth, A.** (2025):
Latitudinal scaling of aggregation with abundance and coexistence in forests
Nature **640** (8060), 967 - 973
[10.1038/s41586-025-08604-z](https://doi.org/10.1038/s41586-025-08604-z)
954. Wienkenjohann, H., **Bin Hudari, M.S.**, Mosthaf, K., **Vogt, C.**, **Nijenhuis, I.**, Rolle, M. (2025):
Combining microcosm biodegradation and reactive transport modeling to explore the feasibility of ATEs-bioremediation approaches
Front. Water **7** , art. 1499448
[10.3389/frwa.2025.1499448](https://doi.org/10.3389/frwa.2025.1499448)
955. **Will, M.**, **Jäger, F.**, **Müller, B.** (2025):
Farmer decision-making on agri-environmental schemes: An agent-based modelling approach to evaluate different policy designs in Saxony, Germany
Agric. Syst. **229** , art. 104439
[10.1016/j.agsy.2025.104439](https://doi.org/10.1016/j.agsy.2025.104439)
956. Williams, T.K.E., Moreno Martínez, A., Martinuzzi, F., **Mahecha, M.D.**, Camps-Valls, G. (2025):
Sub-seasonal forest carbon dynamics lose persistence under extremes
Environ. Res. Lett. **20** (8), art. 084052
[10.1088/1748-9326/ade8ff](https://doi.org/10.1088/1748-9326/ade8ff)
957. Wilms, W., **Horn, J.**, Riesch, F., Hamidi, D., Komainda, M., Hamidi, M., Isselstein, J. (2025):
Investigating cattle responses to acoustic signals to extend the functions of virtual fencing collars
Livest. Sci. **300** , art. 105788
[10.1016/j.livsci.2025.105788](https://doi.org/10.1016/j.livsci.2025.105788)

958. Wilson, H., Raasakka, N., Spyrakos, E., Millar, D., Neely, M.B., Salyani, A., Pawar, S., Chernov, I., de Lespérance Ague, S.K., Aguilar Vega, X., Akinsemolu, A., Baltodano Martínez, A., Cillero Castro, C., Del Valle, M., Fadlelseed, M., Ferral, A., Hassen, J.M., Jiang, D., Mubambi, T.K., La Fuente, S., Lateef, L.O., Lobo, F.d.L., Marty, J., Nkwasa, A., Obuya, J.A., Ogashawara, I., Reusen, I., Rogers, A., **Schmidt, S.I.**, Sharma, K., Simis, S.G.H., Wang, S., Warner, S., Tyler, A. (2025):
Unlocking the global benefits of Earth Observation to address the SDG 6 *in situ* water quality monitoring gap
Front. Remote Sens. **6** , art. 1549286
[10.3389/frsen.2025.1549286](https://doi.org/10.3389/frsen.2025.1549286)
959. Wirsching, J., Endress, M.-G., **Di Lodovico, E.**, Blagodatsky, S., Fricke, C., **Lorenz, M.**, Marhan, S., Kandeler, E., Poll, C. (2025):
Coupling energy balance and carbon flux during cellulose degradation in arable soils
Soil Biol. Biochem. **202** , art. 109691
[10.1016/j.soilbio.2024.109691](https://doi.org/10.1016/j.soilbio.2024.109691)
960. Wolf, K., Jäkel, E., Ehrlich, A., Schäfer, M., Feilhauer, H., **Huth, A.**, Weigelt, A., Wendisch, M. (2025):
Impact of stratiform liquid water clouds on vegetation albedo quantified by coupling an atmosphere and a vegetation radiative transfer model
Biogeosciences **22** (12), 2909 - 2933
[10.5194/bg-22-2909-2025](https://doi.org/10.5194/bg-22-2909-2025)
961. Wolf, K., Jäkel, E., Ehrlich, A., Schäfer, M., Feilhauer, H., **Huth, A.**, Wendisch, M. (2025):
Biases in estimated vegetation indices from observations under cloudy conditions
Biogeosciences **22** (23), 7797 - 7817
[10.5194/bg-22-7797-2025](https://doi.org/10.5194/bg-22-7797-2025)
962. Wollenweber, M., Schmitz, M., Albaseer, S.S., Schiwy, S., Reininger, N., **Brack, W.**, Oehlmann, J., Curtius, J., Vogel, A.L., Hollert, H. (2025):
Aquatic ecosystems as a final receptor of atmospheric organic particulate-bound pollutants: a plea for the integration of aquatic ecotoxicology into the risk assessment of air pollution
Environ. Sci. Eur. **37** , art. 109
[10.1186/s12302-025-01136-3](https://doi.org/10.1186/s12302-025-01136-3)
963. Wollnik, R., Szarka, N., **Matzner, N.**, **Otto, D.**, **Sadr, M.**, **Esmaeili Aliabadi, D.**, Tremmel, R., Röbisch, J., **Thrän, D.** (2025):
Scenario storylines for carbon dioxide removal in Germany: drawing from regional perspectives
GCB Bioenergy **17** (9), e70075
[10.1111/gcbb.70075](https://doi.org/10.1111/gcbb.70075)

964. Woolway, R.I., Zhang, Y., Jennings, E., Zohary, T., Jane, S.F., Jansen, J., Weyhenmeyer, G.A., Long, D., Fleischmann, A., Feng, L., Qin, B., Shi, K., Shi, H., Wang, W., Tong, Y., Zhang, G., **Zscheischler, J.**, Ren, Z., Jeppesen, E. (2025): Extreme and compound events in lakes
Nat. Rev. Earth Environ. **6** (9), 593 - 611
[10.1038/s43017-025-00710-w](https://doi.org/10.1038/s43017-025-00710-w)
965. **Wray, C.**, Kader, S., **Escher, B.I.**, **Henneberger, L.**, **Krauss, M.**, **Schweiger, N.**, **Owen, R.**, Tyler, C.R., **Tal, T.** (2025): Chemical-microbiome interactions in larval zebrafish: Unraveling the interactive effects of microbiome induced biotransformation of PAHs and host behavior
Toxicol. Lett. **411** (Supplement), S174
[10.1016/j.toxlet.2025.07.421](https://doi.org/10.1016/j.toxlet.2025.07.421)
966. Wu, L., Wang, C., Wang, X., Zhang, X., Yu, Q., Jiang, Y., Chen, K., Yang, W., **Guo, P.**, Li, H. (2025): Carbonyl-induced reduction from Co(III) to Co(II) in Co_xS_y enables sulfate radical-dominated peroxymonosulfate activation
Environ. Sci.-Nano **12** (10), 4567 - 4578
[10.1039/d5en00632e](https://doi.org/10.1039/d5en00632e)
967. **Wu, M.**, **Phalempin, M.**, **Reitz, T.**, **Blagodatskaya, E.**, **Schlüter, S.** (2025): Links between soil microstructure dynamics and carbon cycling in response to land use and climate change
Soil Biol. Biochem. **211** , art. 109982
[10.1016/j.soilbio.2025.109982](https://doi.org/10.1016/j.soilbio.2025.109982)
968. **Wu, M.**, **Yang, X.**, **Reitz, T.**, **Blagodatskaya, E.**, Eisenhauer, N., **Schädler, M.**, **Schlüter, S.** (2025): Microhabitat properties explain variations in soil nematode communities across climate conditions in cropland, but not in grassland
Soil Biol. Biochem. **201** , art. 109657
[10.1016/j.soilbio.2024.109657](https://doi.org/10.1016/j.soilbio.2024.109657)
969. **Wu, S.**, **Böhme, A.**, **Ulrich, N.**, Chen, Z., Schäffer, A., **Jahnke, A.** (2025): The vertical migration of a pesticide mixture in sandy soil is strongly driven by their sorption behavior and can be altered by Polyethylene Microplastics
J. Hazard. Mater. **494** , art. 138511
[10.1016/j.jhazmat.2025.138511](https://doi.org/10.1016/j.jhazmat.2025.138511)
970. **Wu, S.**, Helm, B., Teran-Velasquez, G., Krebs, P., **Kumar, R.** (2025): Spatially and seasonally resolved predictions reveal widespread ecotoxicological risk from pharmaceutical mixtures in German (Saxon) rivers
Environ. Sci. Technol. **59** (33), 17722 - 17734
[10.1021/acs.est.5c01639](https://doi.org/10.1021/acs.est.5c01639)

971. Wulff, N., **Esmaeili Aliabadi, D.**, Hasselwander, S., Pregger, T., Gils, H.C., Kronshage, S., Grimme, W., Horst, J., Hoyer-Klick, C., Jochem, P. (2025):
Energy system implications of demand scenarios and supply strategies for renewable transportation fuels
Energy Strateg. Rev. **58** , art. 101606
[10.1016/j.esr.2024.101606](https://doi.org/10.1016/j.esr.2024.101606)
972. **Würsig, H.**, Yim, B., **Martín Roldán, M.**, **Ghaderi, N.**, Stoll, F., **Bouffaud, M.-L.**, **Vetterlein, D.**, **Reitz, T.**, **Blagodatskaya, E.**, Smalla, K., **Tarkka, M.** (2025):
Responses of maize roots, rhizosphere enzyme kinetics, and prokaryote diversity to alternating precipitation: Insights from a three-year field study
Ann. Bot. **136** (5-6), 1081 - 1099
[10.1093/aob/mcaf180](https://doi.org/10.1093/aob/mcaf180)
973. Wurz, A., Albrecht, J., **Böhning-Gaese, K.**, Brandl, R., Neuschulz, E.L., Bendix, J., Fischer, M., Hemp, A., Homeier, J., Kiese, R., Kuzyakov, Y., Leuschner, C., Peters, M.K., Scheu, S., Steffan-Dewenter, I., Velescu, A., Wilcke, W., Schleuning, M., Farwig, N. (2025):
Effects of species richness and turnover on ecosystem functioning in heterogeneous environments of two tropical mountains
Divers. Distrib. **31** (11), e70093
[10.1111/ddi.70093](https://doi.org/10.1111/ddi.70093)
974. **Xia, Y.**, **Fu, Q.**, Voss, H., **Fest, S.**, **Arnold, S.**, **Bauer, M.**, **Fink, B.**, **Zenclussen, A.C.**, **Stojanovska, V.** (2025):
Real-life per- and polyfluoroalkyl substances mixture impairs placental function: insights from a trophoblast spheroid model
Environ. Res. **287** , art. 123037
[10.1016/j.envres.2025.123037](https://doi.org/10.1016/j.envres.2025.123037)
975. Xin, Y., Zhang, J., Tang, Q., Wei, M., Zhu, L., Zhao, Y., Cui, Y., Sun, T., Wei, Y., **Richnow, H.H.** (2025):
Virus-host interactions driving the transfer of antibiotic resistance genes in a river-reservoir system under heavy rainfall
J. Hazard. Mater. **494** , art. 138605
[10.1016/j.jhazmat.2025.138605](https://doi.org/10.1016/j.jhazmat.2025.138605)
976. Xing, Z., Zhao, L., Fan, L., De Lannoy, G., Bai, X., Liu, X., **Peng, J.**, Frappart, F., Yang, K., Li, X., Zhou, Z., Li, X., Zeng, J., Zou, D., Du, E., Wang, C., Wang, L., Li, Z., Wigneron, J.-P. (2025):
Retrieval of 1 km surface soil moisture from Sentinel-1 over bare soil and grassland on the Qinghai-Tibetan Plateau
Remote Sens. Environ. **318** , art. 114563
[10.1016/j.rse.2024.114563](https://doi.org/10.1016/j.rse.2024.114563)

977. Xu, G., He, H., Tang, D., Lu, Q., Mai, B., He, Z., **Adrian, L.**, He, J., Dolfing, J., Wang, S. (2025):
High-throughput screening of microbial reductive dechlorination of polychlorinated biphenyls: Patterns in reactivity and pathways
Environ. Sci. Technol. **59** (15), 7712 - 7721
[10.1021/acs.est.4c13917](https://doi.org/10.1021/acs.est.4c13917)
978. **Xu, J.**, Wen, X., Wang, S., **Worrich, A.**, Ma, B., Zou, Y., Wang, Y., Wu, Y. (2025):
Identification of key species and molecular mechanisms driving conjugative transfer of antibiotic resistance genes in swine manure-derived bacterial communities
J. Hazard. Mater. **497**, art. 139638
[10.1016/j.jhazmat.2025.139638](https://doi.org/10.1016/j.jhazmat.2025.139638)
979. Xu, L.-L., McIlroy, S.E., Ni, Y., Guibert, I., Chen, J., **Nunes da Rocha, U.**, Baker, D.M., Panagiotou, G. (2025):
Chemical pollution drives taxonomic and functional shifts in marine sediment microbiome, influencing benthic metazoans
ISME Commun. **5** (1), ycae141
[10.1093/ismeco/ycae141](https://doi.org/10.1093/ismeco/ycae141)
980. Xue, Y., **Kong, X.**, Mao, Z., Zhang, C., Xue, B., Shi, X., Gu, X. (2025):
Hydrological variation drives changes in food web structure and ecosystem function with potential hysteresis in a large temperate shallow lake
J. Hydrol. **650**, art. 132463
[10.1016/j.jhydrol.2024.132463](https://doi.org/10.1016/j.jhydrol.2024.132463)
981. Xue, Y., **Kong, X.**, Xue, B., Yi, Y., van Wijk, D. (2025):
Unraveling the role of natural attributes in driving lake ecosystem response patterns to nutrient variations
Ecosyst. Health Sustain. **11**, art. 0376
[10.34133/ehs.0376](https://doi.org/10.34133/ehs.0376)
982. Yadav, D., **Kumar, R.**, Shah, J., Thakur, V., Hanel, M., Rakovec, O. (2025):
Increasing spatial extent and frequency of flash drought in Europe with each degree of global warming
Environ. Res. Lett. **20** (11), art. 114046
[10.1088/1748-9326/ae11c8](https://doi.org/10.1088/1748-9326/ae11c8)
983. Yan, X., Xin, Y., Zhu, L., Tang, Q., Chen, M., Wei, Y., Zhang, J., **Richnow, H.H.** (2025):
Neglected role of virus-host interactions driving antibiotic resistance genes reduction in an urban river receiving treated wastewater
Water Res. **282**, art. 123627
[10.1016/j.watres.2025.123627](https://doi.org/10.1016/j.watres.2025.123627)

984. Yang, J., Wang, Q., **Heidbüchel, I.**, Xu, T., Lu, C. (2025):
Cut-off walls alter nitrogen loads and fluxes in small islands
J. Hydrol. **647** , art. 132266
[10.1016/j.jhydrol.2024.132266](https://doi.org/10.1016/j.jhydrol.2024.132266)
985. **Yang, S., Rupp, A., Kästner, M., Harms, H., Miltner, A., Maskow, T.** (2025):
Experimental access to cellulose oxidation and the dynamics of microbial carbon and energy use in artificial soil under varying temperature, water content, and C/N ratio
Soil Biol. Biochem. **203** , art. 109717
[10.1016/j.soilbio.2025.109717](https://doi.org/10.1016/j.soilbio.2025.109717)
986. **Yang, W., Schmidt, C., Wu, S., Zhao, Z., Wang, Z., Wang, H., Hua, P., Krebs, P., Zhang, J.** (2025):
Exacerbated anthropogenic water pollution under climate change and urbanization
Water Res. **280** , art. 123449
[10.1016/j.watres.2025.123449](https://doi.org/10.1016/j.watres.2025.123449)
987. **Yang, W., Zhao, Z., Wang, Z., Wang, X., Li, R., Hua, P., Cheng, X., Liu, Y., Wang, H., Krebs, P., Zhang, J.** (2025):
Climate change and population aging exacerbate flood risk to the elderly in European regions
Earth Future **13** (9), e2025EF006366
[10.1029/2025EF006366](https://doi.org/10.1029/2025EF006366)
988. Yano, A., **Ehme, F., Adrian, L.,** Fujii, Y., Bhattacharjee, U., Yoshida, N. (2025):
Isolation of *Dehalococcoides mccartyi* strain (NIT-OB Y) and identification of a reductive dehalogenase dechlorinating cis-1,3-dichloropropene but not *trans*-1,3-dichloropropene to non-toxic propene
J. Hazard. Mater. **495** , art. 138996
[10.1016/j.jhazmat.2025.138996](https://doi.org/10.1016/j.jhazmat.2025.138996)
989. Yao, L., Leng, G., Yu, L., Li, H., Tang, Q., Python, A., Hall, J.W., Liao, X., Li, J., Qiu, J., Quaas, J., Huang, S., Jin, Y., **Zscheischler, J., Peng, J.** (2025):
Emergent constraints on global soil moisture projections under climate change
Commun. Earth Environ. **6** , art. 39
[10.1038/s43247-025-02024-7](https://doi.org/10.1038/s43247-025-02024-7)

990. Yao, W., Morganti, T.M., Wu, J., **Borchers, M.**, Anschütz, A., Bednarz, L.-K., Bhaumik, K.A., Böttcher, M., Burkhard, K., Cabus, T., Chua, A.S., Diercks, I., Esposito, M., Fink, M., Fouqueray, M., Gasanzade, F., Geilert, S., Hauck, J., Havermann, F., Hellige, I., Hoog, S., Jürchott, M., Kalapurakkal, H.T., Kemper, J., Kremin, I., Lange, I., Marquez Lencina-Avila, J., Liadova, M., Liu, F., Mathesius, S., Mehendale, N., Nagwekar, T., Philippi, M., Neves da Luz, G.L., Ramasamy, M., Stahl, F., Tank, L., Vorrath, M.-E., Westmark, L., Wey, H.-W., Wollnik, R., Wölfelschneider, M., Bach, W., Bischof, K., Boersma, M., Daewel, U., Fernández-Méndez, M., Geuer, J., Keller, D.P., Kopf, A., Merk, C., Moosdorf, N., Oppelt, N., Oschlies, A., Pongratz, J., Proelss, A., Rehder, G.J., Rüpke, L., Szarka, N., **Thrän, D.**, Wallmann, K., Mengis, N. (2025):
Exploring site-specific carbon dioxide removal options with storage or sequestration in the marine environment - The 10 Mt CO₂ yr⁻¹ removal challenge for Germany
Earth Future **13** (4), e2024EF004902
[10.1029/2024EF004902](https://doi.org/10.1029/2024EF004902)
991. Yin, X., Leng, G., Qiu, J., Liao, X., Huang, S., **Peng, J.** (2025):
Crop model ensemble averaging: A large but underappreciated uncertainty source for global crop yield projections under climate change
Earth Future **13** (6), e2024EF005900
[10.1029/2024EF005900](https://doi.org/10.1029/2024EF005900)
992. Youssef, M., **Peng, J.**, Bimber, O. (2025):
DeepForest: Sensing into self-occluding volumes of vegetation with aerial imaging
J. Remote Sens. **5**, art. 0907
[10.34133/remotesensing.0907](https://doi.org/10.34133/remotesensing.0907)
993. Yu, H., Ma, L., **Kümmel, S.**, Liu, X., Schaefer, T., Herrmann, H., **Richnow, H.-H.** (2025):
Multi-element compound-specific stable isotope analysis (²H, ¹³C, ¹⁵N, ^{33/34}S) to characterize the mechanism of sulfate and hydroxyl radical reaction and photolysis of benzothiazole
Water Res. **279**, art. 123479
[10.1016/j.watres.2025.123479](https://doi.org/10.1016/j.watres.2025.123479)
994. Yu, T., Huang, Y., Zhang, Y., **Wang, S.**, Wang, X., Jiang, Y., Zang, H., Zeng, Z., Yang, Y. (2025):
Manure input propagated antibiotic resistance genes and virulence factors in soils by regulating microbial carbon metabolism
Environ. Pollut. **375**, art. 126293
[10.1016/j.envpol.2025.126293](https://doi.org/10.1016/j.envpol.2025.126293)

995. Yu, Y., **Herzberg, M.**, Pat-Espadas, A.M., Vinuesa, P., Feng, R., Rosen, B., Amachi, S., Jia, X., Rensing, C., Zhou, S. (2025):
Genome deletions and rewiring of the transcriptome underlying high antimonite resistance in *Achromobacter* sp. SMAs-55
Int. J. Mol. Sci. **26** (1), art. 107
[10.3390/ijms26010107](https://doi.org/10.3390/ijms26010107)
996. **Yuan, J.**, Appel, J., Gutekunst, K., **Lai, B.**, **Krömer, J.O.** (2025):
Molecular dynamics of photosynthetic electron flow in a biophotovoltaic system
Environ. Sci. Ecotechnol. **23**, art. 100519
[10.1016/j.ese.2024.100519](https://doi.org/10.1016/j.ese.2024.100519)
997. **Yuan, J.**, **Bai, Y.**, **Lenz, C.**, **Reilly-Schott, V.**, **Schneider, H.**, **Lai, B.**, **Krömer, J.O.** (2025):
The impact of redox mediators on the electrogenic and physiological properties of *Synechocystis* sp. PCC 6803 in a biophotovoltaic system
ChemSusChem **18** (13), e202402543
[10.1002/cssc.202402543](https://doi.org/10.1002/cssc.202402543)
998. **Zahn, D.**, Burkhardt, E.M., **Scheller, A.**, Treu, G. (2025):
First evidence for the environmental occurrence of water-soluble polyquaternium polymers
Environ. Sci. Technol. Lett. **12** (10), 1432 - 1436
[10.1021/acs.estlett.5c00880](https://doi.org/10.1021/acs.estlett.5c00880)
999. Zampieri, E., Sillo, F., Metelli, G., Cucu, M.A., Montesano, V., Quagliata, G., **Philipp, L.**, Brescia, F., Conte, A., Giovannini, L., Mennone, C., Fiore, A., Astolfi, S., Savatin, D., Sestili, F., **Reitz, T.**, Balestrini, R. (2025):
Insights into the influence of intercropping and arbuscular mycorrhizal inoculation on two modern durum wheat cultivars and their associated microbiota
Biol. Fert. Soils **61** (1), 85 - 107
[10.1007/s00374-024-01872-3](https://doi.org/10.1007/s00374-024-01872-3)
1000. Zech, M., Paech, N., Schmidt, J., **Palliwoda, J.**, Rommel, M. (2025):
Innovationsbarrieren bei der Umstellung auf Solidarische Landwirtschaft
GAIA **34** (1), 10 - 16
[10.14512/gaia.34.1.6](https://doi.org/10.14512/gaia.34.1.6)

1001. **Zenclussen, A.C.**, Belmar Erilkin, V., Böhmert, L., Borilova Linhartova, P., Braeuning, A., **Braun, G.**, Chevrier, C., Duijts, L., **Escher, B.I.**, Felix, J., **Gómez-Olarte, S.**, Guxens, M., **Herberth, G.**, Hilscherova, K., Klanova, J., Kohl, Y., Krischak, K., Lagadic-Gossmann, D., Langouët, S., Llop, S., Lopez-Espinosa, M.-J., Maitre, L., Martin-Chouly, C., **Meyer, N.**, Ouidir, M., **Pham, T.A.M.**, Philippat, C., Pieters, R., Pinel-Marie, M.-L., Podechard, N., **Polte, T.**, Price, E., Robinson, O., **Schubert, K.**, **Schumacher, A.**, **Stojanovska, V.**, **Tal, T.**, Vineis, P., van Vorstenbosch, R., Vermeulen, R., Warembourg, C. (2025):
The ENDOMIX project: an interdisciplinary approach to understanding how real-life chemical mixtures target the immune system to trigger disease [version 2]
Open Research Europe **4**, art. 271
[10.12688/openreseurope.19088.2](https://doi.org/10.12688/openreseurope.19088.2)
1002. Zeng, H., Che, Y., Yang, B., Deng, J., Zhang, C., Wang, J., **Zhang, H.** (2025):
Differential catalytic mechanism induced by selective adsorption of pollutants in metal clusters decorated single atom catalyst mediated heterogeneous Fenton-like reaction
J. Hazard. Mater. **491**, art. 138029
[10.1016/j.jhazmat.2025.138029](https://doi.org/10.1016/j.jhazmat.2025.138029)
1003. **Zhang, C.**, Su, B., Beckmann, M., Fang, S., Xiao, Y., Ma, H., Yan, N., **Volk, M.** (2025):
Energy-based valuation of glacier ecosystem services: A case from the Tibetan Plateau
J. Environ. Manage. **374**, art. 123966
[10.1016/j.jenvman.2024.123966](https://doi.org/10.1016/j.jenvman.2024.123966)
1004. Zhang, H., Voskuhl, L., Hassoun, M., Brauer, V.S., Dannehl, A., Kaspereit, Y.M., **Heipieper, H.J.**, Meckenstock, R.U. (2025):
The chemolithoautotrophic bacterium CB1MN can utilize hydrogen and sulfur as electron donors with ferric iron as electron acceptor
Int. Biodeterior. Biodegrad. **198**, art. 105988
[10.1016/j.ibiod.2024.105988](https://doi.org/10.1016/j.ibiod.2024.105988)
1005. Zhang, P., Seabloom, E.W., Foo, J., MacDougall, A.S., **Harpole, W.S.**, Adler, P.B., Hautier, Y., Eisenhauer, N., Spohn, M., Bakker, J.D., Lekberg, Y., Young, A.L., Carbutt, C., Risch, A.C., Peri, P.L., Smith, N.G., Stevens, C.J., Prober, S.M., Knops, J.M.H., Wardle, G.M., Dickman, C.R., Ebeling, A., **Roscher, C.**, Martinson, H.M., Martina, J.P., Power, S.A., Niu, Y., Ren, Z., Du, G., Virtanen, R., Tognetti, P., Tedder, M.J., Jentsch, A., Catford, J.A., Borer, E.T. (2025):
Dominant species predict plant richness and biomass in global grasslands
Nat. Ecol. Evol. **9** (10), 924 - 936
[10.1038/s41559-025-02701-y](https://doi.org/10.1038/s41559-025-02701-y)

1006. Zhang, S., Arhonditsis, G.B., Ji, Y., Bryan, B.A., **Peng, J.**, Zhang, Y., Gao, J., Zhang, J., Cho, K.H., Huang, J. (2025):
Climate change promotes harmful algal blooms in China's lakes and reservoirs despite significant nutrient control efforts
Water Res. **277** , art. 123307
[10.1016/j.watres.2025.123307](https://doi.org/10.1016/j.watres.2025.123307)
1007. Zhang, Y., Chen, Y., Li, J., Wu, Y., Yang, J., Li, Q., **Wang, Z.**, Ren, G., Xu, C., Wang, X. (2025):
Innovative PN/A process optimization with dual intensification strategies for nitrogen removal from rare earth tailwater
ACS ES&T Wat. **5** (5), 2502 - 2511
[10.1021/acsestwater.5c00058](https://doi.org/10.1021/acsestwater.5c00058)
1008. Zhang, Y., Deng, C., Xu, W., Zhuang, Y., Jiang, L., Jiang, C., Guan, X., Wei, J., Ma, M., Chen, Y., **Peng, J.**, Gao, L. (2025):
Long-term variability of extreme precipitation with WRF model at a complex terrain river basin
Sci. Rep. **15** , art. 156
[10.1038/s41598-024-84076-x](https://doi.org/10.1038/s41598-024-84076-x)
1009. Zhao, S., Rogers, M.J., Xu, G., Low, A., **Ding, C.**, He, J. (2025):
Microbial cooperative molecular strategies enabling 1,2-dichloroethane detoxification in low pH aquifers
Environ. Sci. Technol. **59** (33), 17655 - 17665
[10.1021/acs.est.5c03012](https://doi.org/10.1021/acs.est.5c03012)
1010. Zhao, Z., **Yang, W.**, Hua, P., Krebs, P., Zhang, J. (2025):
Deicing salt exacerbates freshwater salinization under climate change and human activities
The Innovation **6** (6), art. 100862
[10.1016/j.xinn.2025.100862](https://doi.org/10.1016/j.xinn.2025.100862)
1011. Zheng, L., Ibáñez, I., Williams, L.J., Zhu, K., Serrano-León, H., Jensen, J., Eisenhauer, N., Verheyen, K., Scherer-Lorenzen, M., Schnabel, F., Kreft, H., Guerrero-Ramírez, N.R., Hölscher, D., Paterno, G.B., Irawan, B., Ponette, Q., Messier, C., Paquette, A., Stefanski, A., Mereu, S., Bauhus, J., Hajek, P., Nock, C.A., Cavender-Bares, J., Parker, W.C., Quosh, J., Ferlian, O., **Auge, H.**, Potvin, C., Yan, E., Yang, B., Zhang, L., Zhao, Z., Sinacore, K., Hall, J.S., Guillemot, J., Robin, A., Brancalion, P.H.S., Sundawati, L., Reich, P.B. (2025):
Neighbourhood diversity increases tree growth in experimental forests more in wetter climates but not in wetter years
Nat. Ecol. Evol. **9** , 1812 - 1824
[10.1038/s41559-025-02805-5](https://doi.org/10.1038/s41559-025-02805-5)

1012. Zheng, Z., Wang, X., Flügge, J., **Nagel, T.** (2025):
A stochastic modeling framework for radionuclide migration from deep geological repositories considering spatial variability
Adv. Water Resour. **203**, art. 105003
[10.1016/j.advwatres.2025.105003](https://doi.org/10.1016/j.advwatres.2025.105003)
1013. Zhu, T., Li, S., Tao, C., **Chen, W.**, Chen, M., Zong, Z., Wang, Y., Li, Y., Yan, B. (2025):
Understanding the mechanism of microplastic-associated antibiotic resistance genes in aquatic ecosystems: Insights from metagenomic analyses and machine learning
Water Res. **268, Part A**, art. 122570
[10.1016/j.watres.2024.122570](https://doi.org/10.1016/j.watres.2024.122570)
1014. Zhu, X., Huang, S., Singh, V.P., Huang, Q., Zhang, H., Leng, G., Gao, L., Li, P., Guo, W., **Peng, J.** (2025):
Terrestrial ecosystem resilience to drought stress and driving mechanisms thereof in the Yellow River Basin, China
J. Hydrol. **649**, art. 132480
[10.1016/j.jhydrol.2024.132480](https://doi.org/10.1016/j.jhydrol.2024.132480)
1015. **Zhu, Y., Klassert, C., Klauer, B., Gawel, E.** (2025):
Estimating household water demand and affordability under intermittent supply: an econometric analysis with a water–energy nexus perspective for Pimpri-Chinchwad, India
Water **17** (19), art. 2917
[10.3390/w17192917](https://doi.org/10.3390/w17192917)
1016. Zielhofer, C., Kaniecki, M., Köhler, A., Seeburg, V., Rollo, A., Bermann, L., Berg, S., Stammel, B., Gudermann, R., Fletcher, W.J., **Werban, U.**, Linstädter, A., Mehler, N. (2025):
Great transitions in Donaumoos land reclamation (Bavaria, Germany) since the late 18th century - a palaeohydrological and historical perspective
E G Quatern. Sci. J. **74** (1), 105 - 124
[/10.5194/egqsj-74-105-2025](https://doi.org/10.5194/egqsj-74-105-2025)
1017. **Zill, J.**, Suckow, A., **Mallast, U.**, Sültenfuß, J., Schmidt, A., **Siebert, C.** (2025):
Will groundwater-borne nutrients affect river eutrophication in the future? A multi-tracer study along the Elbe River
Hydrol. Earth Syst. Sci. **29** (23), 6885 - 6900
[10.5194/hess-29-6885-2025](https://doi.org/10.5194/hess-29-6885-2025)
1018. Zimmermann, F., **Bouffaud, M.-L., Herrmann, S.**, Göttig, M., Graf, R., **Tarkka, M.**, Opgenoorth, L., Croll, D., Peter, M., Dauphin, B. (2025):
An ectomycorrhizal fungus alters developmental progression during endogenous rhythmic growth in pedunculate oak
Mycorrhiza **35** (5), art. 57
[10.1007/s00572-025-01228-1](https://doi.org/10.1007/s00572-025-01228-1)

1019. **Zinngrebe, Y., Cardona Santos, E.M.,** Brand, U., Hauck, J., Hickmann, T., Hagedorn, G., **Henn, E.V.,** Lakner, S., Lam, D.P.M., Mehring, M., Paulsch, A., **Schmid, S.,** Tschersich, J., Zedda, L., **Wittmer, H.** (2025):
Wie kann die Nationale Strategie zur biologischen Vielfalt 2030 zu einem transformativen Wandel beitragen? [How can the National Strategy on Biological Diversity 2030 contribute to transformative change?]
Nat. Landsch. **100** (1), 16 - 25
[10.19217/NuL2025-01-03](https://doi.org/10.19217/NuL2025-01-03)
1020. **Zscheischler, J.,** Raymond, C., Chen, Y., Le Grix, N., Libonati, R., Rogers, C.D.W., White, C.J., Wolski, P. (2025):
Compound weather and climate events in 2024
Nat. Rev. Earth Environ. **6** (4), 240 - 242
[10.1038/s43017-025-00657-y](https://doi.org/10.1038/s43017-025-00657-y)
1021. **Zulfiqar, B.,** Amro, M., **Geistlinger, H.** (2025):
The role of lighter oil components on CO₂-induced swelling and pressure decay dynamics under reservoir conditions
Chem. Thermodyn. Therm. Anal. **19** , art. 100204
[10.1016/j.ctta.2025.100204](https://doi.org/10.1016/j.ctta.2025.100204)
1022. Zurell, D., Bocedi, G., Velazco, S.J.E., Gonzalez, A., Purvis, A., Wintle, B., Merow, C., Lundquist, C., Guillera-Aroita, G., **Settele, J.,** Serra-Diaz, J.M., Sarmiento Cabral, J., Travis, J.M.J., Schifferle, K., Buckley, L., Briscoe, N.J., Isaac, N.J.B., Peres-Neto, P.R., Keuth, R., Gascoigne, S.J.L., Ferrier, S., Urban, M.C. (2025):
Predicting the way forward for the Global Biodiversity Framework
Proc. Natl. Acad. Sci. U.S.A. **122** (41), e2501695122
[10.1073/pnas.2501695122](https://doi.org/10.1073/pnas.2501695122)

Veröffentlichungen in anderen Zeitschriften

1023. **Bartkowski, B.**, Eisenhauer, N., Glante, F., Lachmann, C., Römbke, J., Rillig, M.C., Ristok, C., **Schmidt, A.**, Babin, D. (2025):
The options of different actor groups to address drivers of soil biodiversity change
Soil Organisms **97** (2), 129 - 142
[10.25674/448](https://doi.org/10.25674/448)
1024. **Beihnsner, J., Schierz, A., Balda, M., Georgi, A.** (2025):
Development and evaluation of a novel activated carbon material for use as an in-situ sorbent for PFAS-contaminated sites
Vom Wasser **123** (3), 83 - 84
[10.1002/vomw.202500012](https://doi.org/10.1002/vomw.202500012)
1025. Blecken, L., Götze, G., Gutsche, J.-M., **Köck, W.**, Preuß, T. (2025):
Kontingenterung durch räumliche Planung. Ein Konzept für die Umsetzung von Flächensparzielen
Informationen zur Raumentwicklung **52** (2-3), 124 - 133
1026. Boldt, C., **Thrän, D.** (2025):
Promoting urban sustainability transitions while revitalising regions: a blueprint for accelerating Leipzig's urban bioeconomy and sustainable urban-rural development
Urban Transformations **7**, art. 6
[10.1186/s42854-025-00074-w](https://doi.org/10.1186/s42854-025-00074-w)
1027. Brück, T., Wolperdinger, M., Heiden, S., Lewandowski, I., **Thrän, D.** (2025):
Bio-basierte Resilienz
Transkript **2025** (2), 45 - 46
1028. **Canzler, S., Lehmann, J., Hackermüller, J.** (2025):
Inference of chemical grouping from processed OMICS data in Comparative Toxicogenomics Database
EFSA Supporting Publications **22** (6), art. 9335E
[10.2903/sp.efsa.2025.EN-9335](https://doi.org/10.2903/sp.efsa.2025.EN-9335)
1029. **Chávez García Silva, R.**, Reinecke, R., Copty, N.K., Barry, D.A., Heggy, E., Labat, D., Roggero, P.P., **Borchardt, D., Rode, M.**, Gómez-Hernández, J.J., **Jomaa, S.** (2025):
Grundwasserbeobachtungen über mehrere Dekaden zeigen überraschend stabile Werte in Südwesteuropa
KW Korrespondenz Wasserwirtschaft **18** (2), 96 - 108
[10.3243/kwe2025.02.003](https://doi.org/10.3243/kwe2025.02.003)

1030. Dahms, H., **Marquard, E., Settele, J.** (2025):
Wie geben wir der Natur wieder mehr Raum?
Raumentwicklung - ARL-Journal für Wissenschaft und Praxis **55** (1), 13 - 17
[10.60683/wvdw_qh89](https://doi.org/10.60683/wvdw_qh89)
1031. Díaz Iturry, G., **Matthies, M.C., Pe'er, G., Vedder, D.** (2025):
AquaCrop.jl: A process-based model of crop growth
Journal of Open Source Software **10** (110), art. 7944
[10.21105/joss.07944](https://doi.org/10.21105/joss.07944)
1032. Dupas, R., Lintern, A., **Musolff, A.**, Winter, C., Fovet, O., Durand, P. (2025):
Water quality responses to hydrological droughts can be predicted from long-term concentration–discharge relationships
Environmental Research: Water **1** , art. 015001
[10.1088/3033-4942/adb906](https://doi.org/10.1088/3033-4942/adb906)
1033. Edelman, G., Meyer, P.B., **Schwarze, R.** (2025):
The complex causes of the wildfire disaster in California
Zeitschrift für Umweltpolitik und Umweltrecht **48** (3), 374 - 393
1034. Eichentopf, I.-M., **Kasperidus, H.D.** (2025):
Understanding the world wide web of systems? - The need for systemic thinking in higher education
NextGen Scientific Review **3** , 16 - 24
[10.48446/opus-15901](https://doi.org/10.48446/opus-15901)
1035. Franzius, C., Aykut, S.C., Boysen, S., Klafki, A., Knodt, M., Löschel, A., Lorenzen, J., **Markus, T.**, Schlacke, S., Vogt, Y., Zengerling, C. (2025):
Transformatives Klimarecht: Raum, Zeit, Gesellschaft
Zeitschrift für europäisches Umwelt- und Planungsrecht (EurUP) **23** (2), 149 - 157
1036. **Friese, K., Schmidt, S.I.**, Schröder, T., Laue, P., Kutzner, R.D., Dietrich, D., Wolf, T., Blohm, W., **Rinke, K.** (2025):
Nutzung von Satellitendaten in der behördlichen Überwachung der Gewässergüte von Seen und Talsperren in Deutschland - Ergebnisse eines Projekts zum Binnengewässer-Monitoring mit Satellitenfernerkundung (BIGFE)
KW Korrespondenz Wasserwirtschaft **18** (1), 17 - 24
[10.3243/kwe2025.01.001](https://doi.org/10.3243/kwe2025.01.001)
1037. **Gawel, E.**, Bartels, L., **Fischer, S., Korte, K., Markus, T.**, Paul, C., Strauss, V., **Zenetti, J.M.** (2025):
Rückholung von Kohlenstoff für landnutzungs-basierte Maßnahmen
Zeitschrift für Umweltrecht (ZUR) **2025** (11), 602 - 612

1038. Gebker, M., Horstmann, L., Soltwedel, A., Penning, E., **Scholz, M.**, Albert, C. (2025):
Resiliente Landschaften fördern: Schwammaßnahmen planen und entwickeln
Anliegen Natur **47** (2), 1 - 12
[10.63653/hhkp1032](https://doi.org/10.63653/hhkp1032)
1039. **Georgi, A., Ji, X., Mackenzie, K., Harms, H., Wick, L.Y.** (2025):
Pflanzenkohle entfernt urbane Schadstoffe
Aqua & Gas **105** (10)
1040. **Gey, R.**, Mietchen, D., Karras, O., Wittenborg, T., Schubotz, M., **Bumberger, J.** (2025):
find.software: Foundations for Interdisciplinary Discovery of (Research) Software
Res. Ideas Outcomes **11** , e179253
[10.3897/rio.11.e179253](https://doi.org/10.3897/rio.11.e179253)
1041. **Grimm, V.**, Hauber, M.E., Berger, U., Meyer, K.M., Railsback, S.F. (2025):
Ⓐ manifesto for Individual-based Ecology
Individual-based Ecology **1** , e147788
[10.3897/ibe.1.147788](https://doi.org/10.3897/ibe.1.147788)
1042. Groom, Q., Adriaens, T., August, T., Capinha, C., Cardoso, A.S.,
Dehnen-Schmutz, K., Essl, F., Franklin, A., **Golivets, M.**, Gonçalves, J., Hendrickx, L.,
Hodgson, D., Høye, T.T., Hulme, P.E., Kumschick, S., Lenzner, B., Malta-Pinto, E.,
Martinou, A.F., Meeus, S., Myers, T., Noé, N., Novoa, A., Pocock, M.J.O., Poimala, A.,
Preda, C., Pyšek, P., Reyserhove, L., Rozyłowicz, L., Sapundzhieva, A., Vale, C.,
Vicente, J., Yovcheva, N.I., Zolyomi, A., Roy, H.E. (2025):
OneSTOP: OneBiosecurity systems and technology for people, places and pathways
Res. Ideas Outcomes **11** , e165316
[10.3897/rio.11.e165316](https://doi.org/10.3897/rio.11.e165316)
1043. **Groß, M.** (2025):
Energiewenden zwischen Mythos und Möglichkeit: Doppelrezension zu „More and More
and More. An All-Consuming History of Energy“ von Jean-Baptiste Fressoz und
„Energy's History. Toward a Global Canon“ von Daniela Russ and Thomas Turnbull
(Hg.)
Soziopolis
1044. **Hansjürgens, B.** (2025):
Wirtschaftlicher Aufschwung, Klimaschutz und Ernährungssicherheit
altlasten spektrum **2025** (02), 37 - 38
[10.37307/j.1864-8371.2025.02](https://doi.org/10.37307/j.1864-8371.2025.02)
1045. Helfer, T., Wangermez, M., Simo, E., **Nagel, T.**, Silbermann, C.B., Riparbelli, L. (2025):
The MFrontGallery project
Journal of Open Source Software **10** (109), art. 7742
[10.21105/joss.07742](https://doi.org/10.21105/joss.07742)

1046. **Henle, K., York, S., Gruber, B., Grimm-Seyfarth, A.** (2025):
Auswirkungen von Klima wandel und extremer Hochwasser auf eine aride
Reptiliengemeinschaft im Kinchega-Nationalpark, Australien
Elaphe **2025** (4), 54 - 57
1047. **Henneberger, L., Bardehly, S., König, M., Escher, B.I.** (2025):
Gaining confidence in *in vitro* toxicity data with measured exposure concentrations
NAM Journal **1**, art. 100048
[10.1016/j.namjnl.2025.100048](https://doi.org/10.1016/j.namjnl.2025.100048)
1048. Heßdörfer, D., Hofmann, M., **Graß, R.** (2025):
Bewässerung mit System
Rebe & Wein **2025** (5), 28 - 31
1049. Horstmann, L., Gebker, M., Albert, C., Penning, E., **Scholz, M.** (2025):
Retention von Wasser planen und umsetzen. Schwammlandschaften gestalten,
Klimaresilienz, Biodiversität fördern - neue Impulse für die Forschung
Landschaftsarchitekt:innen **2025** (1), 12 - 15
1050. **Houben, T., Brockfeld, E., Vosgerau, E., Bumberger, J., Trabert, T.** (2025):
Monitoring der Luftqualität für ein umweltsensitives Verkehrsmanagement in der
Pilotregion Leipzig: Einblicke aus dem
Forschungsprojekt AIAMO
Immissionsschutz **30** (3), 110 - 116
[10.37307/j.1868-7776.2025.03.05](https://doi.org/10.37307/j.1868-7776.2025.03.05)
1051. **Jehmlich, N.** (2025):
Abstracts of the 3rd International Electronic Conference on Microbiology
Biol. Life Sci. Forum **46** (1), art. 3
[10.3390/blsf2025046003](https://doi.org/10.3390/blsf2025046003)
1052. Jones, E.R., van Beek, R., Cárdenas Belleza, G., Burek, P., Dugdale, S.J., Flörke,
M., Fridman, D., Gosling, S.N., **Kumar, R.,** Mercado-Bettin, D., Müller Schmied, H.,
Tan, Z., Thiery, W., Tilahun, A.B., Wanders, N., van Vliet, M.T.H. (2025):
A multi-model assessment of global freshwater temperature and thermoelectric power
supply under climate change
Environmental Research: Water **1** (2), art. 025002
[10.1088/3033-4942/addffa](https://doi.org/10.1088/3033-4942/addffa)
1053. **Khan, T., Arnold, C., Grover, H.** (2025):
DeepTrees: Tree crown segmentation and analysis in remote sensing imagery with
PyTorch
Journal of Open Source Software **10** (114), art. 8056
[10.21105/joss.08056](https://doi.org/10.21105/joss.08056)

1054. **Köck, W.** (2025):
Wie weiter mit dem 30-ha-Ziel?
Informationen zur Raumentwicklung **52** (2-3), 68 - 71
1055. **Köck, W.** (2025):
Deutschland braucht ein Durchführungsgesetz zur EU-Verordnung über die
Wiederherstellung der Natur
Zeitschrift für Umweltrecht (ZUR) **36** (1), 1 - 2
1056. **Köck, W.** (2025):
Die Schweizer Umweltverantwortungsinitiative und die Nachhaltigkeitstransformation in
Deutschland und der EU
Zeitschrift für Umweltrecht (ZUR) **36** (5), 257 - 258
1057. **Köck, W.** (2025):
Der Koalitionsvertrag und das Umweltrecht
Zeitschrift für Umweltrecht (ZUR) **36** (6), 321 - 322
1058. **Köck, W., Reese, M.** (2025):
Die Nachhaltigkeitstransformation der urbanen und ländlichen Räume: Rechtliche
Hürden und Wege. Ergebnisse aus der Begleitforschung zur BMBF-Fördermaßnahme
„Stadt-Land-Plus“
Zeitschrift für Umweltrecht (ZUR) **36** (7-8), 385 - 448
1059. **Kolditz, O., McDermott, C., Yoon, J.S., Renner, J., Zhuang, L., Fraser-Harris,
A., Chandler, M., Graham, S., Wang, J., Mollaali, M.** (2025):
SAFENET-2 – fracture evolution in crystalline rocks (from lab to in situ scale)
Saf. Nucl. Waste Disposal **3**, 15 - 30
[10.5194/sand-3-15-2025](https://doi.org/10.5194/sand-3-15-2025)
1060. **Kühn, E.** (2025):
Buchvorstellung „Geheimnisvolle Schmetterlingswelt“
Oedippus **42**, 62
1061. **Kühn, E., Musche, M., Harpke, A., Feldmann, R., Settele, J.** (2025):
Tagfalter-Monitoring Deutschland: Auswertung 2005–2023
Oedippus **42**, 6 - 43
1062. **Kühn, E., Musche, M., Harpke, A., Feldmann, R., Settele, J.** (2025):
Editorial
Oedippus **42**, 5

1063. Lasota, E.K., **Houben, T.**, Polz, J., **Schmidt, L.**, Glawion, L., **Schäfer, D.**, **Bumberger, J.**, Chwala, C. (2025):
Interpretable quality control of sparsely distributed environmental sensor networks using graph neural networks
Artificial Intelligence for the Earth Systems (AIES) **4** (1), e240032
[10.1175/AIES-D-24-0032.1](https://doi.org/10.1175/AIES-D-24-0032.1)
1064. Laue, P., Blohm, W., **Schmidt, S.I.**, **Schröder, T.**, Kutzner, R.D., Wolf, T., **Dietrich, D.**, **Friese, K.**, **Rinke, K.** (2025):
Satelliten-basierte Überwachung der Wasserqualität von Stand- und Fließgewässern in Deutschland
KW Korrespondenz Wasserwirtschaft **18** (2), 77 - 86
[10.3243/kwe2025.02.001](https://doi.org/10.3243/kwe2025.02.001)
1065. **Markus, T.** (2025):
Wider die Resignation: Für eine Klimapolitik der Möglichkeiten
Zeitschrift für Umweltrecht (ZUR) **2025** (11), 577 - 578
1066. **Messner, F.**, **Rosenow, D.**, **Zacharias, S.**, **Bumberger, J.** (2025):
Managing the transformation from small data to big data: A case study using the example of environmental research
Wissenschaftsmanagement
1067. **Meyer, N.**, **Fischer, F.**, **Zenclussen, A.C.** (2025):
Umweltchemikalien: Verborgene Gefahr für Mutter und Kind?
HebammenWissen **6** (2), 30 - 33
[10.1007/s43877-025-1285-3](https://doi.org/10.1007/s43877-025-1285-3)
1068. **Miersch, P.**, Günther, W., Runge, J., **Zscheischler, J.** (2025):
Evaluating the robustness of PCMCI+ for causal discovery of flood drivers
Artificial Intelligence for the Earth Systems (AIES) **4** (4), e240114
[10.1175/AIES-D-24-0114.1](https://doi.org/10.1175/AIES-D-24-0114.1)
1069. **Moeller, L.**, **Georgi, A.**, Wolf, S., Kruckow, S. (2025):
Baumrigolen als Schwammstadtelemente
Pro Baum **2025** (4), 15 - 19
1070. Nezhadkheirolla, S., **Drechsler, M.** (2025):
Collaborative approaches and instruments for the spatial management of agricultural pests
Regional Science and Environmental Economics **2** (4), art. 37
[10.3390/rsee2040037](https://doi.org/10.3390/rsee2040037)

1071. Papalexiou, S.M., Mascaro, G., Pendergrass, A.G., Mamalakis, A., **de Brito, M.M.**, Andreadis, K.M., Schiro, K., Zaerpour, M., Hatami, S., Gavasso-Rita, Y.L., Ballarin, A.S., Vargas Godoy, M.R., Nerantzaki, S., Abdelmoaty, H., Matin, M.A., Madani, K. (2025):
Sustainability Nexus AID: storms
Sustainability Nexus Forum **33**, art. 1
[10.1007/s00550-024-00544-y](https://doi.org/10.1007/s00550-024-00544-y)
1072. Pasche, O.C., **Wider, J.**, Zhang, Z., **Zscheischler, J.**, Engelke, S. (2025):
Validating deep-learning weather forecast models on recent high-impact extreme events
Artificial Intelligence for the Earth Systems (AIES) **4**, e240033
[10.1175/AIES-D-24-0033.1](https://doi.org/10.1175/AIES-D-24-0033.1)
1073. **Reese, M.** (2025):
Nachhaltige Niederschlagsbewirtschaftung und wassersensible Stadtentwicklung -
Rechtsrahmen und Novellierungsbedarf
Deutsches Verwaltungsblatt **140** (6), 335 - 343
1074. **Reese, M.** (2025):
Das Politikplanungsrecht der EU zur Implementierung des Green Deal
Zeitschrift für Umweltrecht (ZUR) **36** (9), 451 - 459
1075. Richter, A., **Moeller, L.** (2025):
Gründachnetzwerke in Mitteldeutschland - Prozesse, Ergebnisse, Erfahrungen
GebäudeGrün **2025** (2), 14 - 17
1076. **Rigerte, L.**, Heintz-Buschart, A., **Reitz, T.**, **Tarkka, M.T.** (2025):
Assembly and application of a synthetic bacterial community for enhancing barley
tolerance to drought
Frontiers in Bacteriology **4**, art. 1572294
[10.3389/fbri.2025.1572294](https://doi.org/10.3389/fbri.2025.1572294)
1077. Ristok, C., Babin, D., **Bartkowski, B.**, Burkhard, B., Filser, J., Hohberg, K.,
Kleemann, J., Kolb, S., Lehmitz, R., Rillig, M.C., Römbke, J., Ruess, L., Scheu,
S., Scheunemann, N., **Schmidt, A.**, Steinhoff-Knopp, B., Eisenhauer, N., Tebbe, C.C.,
Xyländer, W.E.R. (2025):
Towards a comprehensive assessment of soil biodiversity in Germany: status quo,
challenges, and policy implications
Soil Organisms **97** (2), 143 - 157
[10.25674/446](https://doi.org/10.25674/446)
1078. Rufat, S., **Kuhlicke, C.** (2025):
Climate captivity: When *in-situ* adaptation and moving out are no longer options
Progress in Environmental Geography **4** (4), 393 - 411
[10.1177/27539687251378494](https://doi.org/10.1177/27539687251378494)

1079. **Scholz, M.** (2025):
Flussauen in Deutschland: Gefährdete multifunktionale Ökosysteme mit hohem Nutzen für die Gesellschaft
Praxis Geographie **2025** (2), 4 - 8
1080. **Schwarze, R., Meyer, P.B.** (2025):
Rezension: The Role of Insurance in the Net Zero Transition and Climate Resilience. A Review of “Insurance. The Great Enabler” by the Howden Group jointly with the Boston Consultancy Group and the UN Climate Change High Level Champions, 2024
Zeitschrift für Umweltpolitik und Umweltrecht **48** (2), 214 - 220
1081. Skálová, H., Iberl, K., **Durka, W., Michalski, S., Höfner, J.** (2025):
Není kopretina jako kopretina aneb Genetická diverzita lučních druhů a regionální osevň směsi / What kind daisy? Genetic diversity in grassland species and regional seed in mixtures
Živa **73** (2), 64 - 68
1082. Strokal, M., **Kumar, R.,** Bak, M.P., Jones, E.R., Beusen, A.H.W., Flörke, M., Grizzetti, B., Nkwasa, A., Schweden, K., Ural-Janssen, A., van Griensven, A., Vigiak, O., van Vliet, M.T.H., Wang, M., de Graaf, I., Dürr, H.H., Gosling, S.N., Hofstra, N., Nakkazi, M.T., Ouedraogo, I., Reinecke, R., Strokal, V., Suresh, K., Tang, T., Teuling, F.S.R., Tilahun, A.B., Troost, T.A., van Wijk, D., Micella, I. (2025):
Advancing water quality model intercomparisons under global change: perspectives from the new ISIMIP water quality sector
Environmental Research: Water **1** , art. 035002
[10.1088/3033-4942/adf571](https://doi.org/10.1088/3033-4942/adf571)
1083. **Stubenrauch, J.** (2025):
Die Reform des Bundeswaldgesetzes – Status quo und Perspektiven
Recht der Landwirtschaft **77** (01/02), 5 - 10
1084. **Thomas, F.,** Becker, C., Petzold, R., Schmidt, K., Scholten, T., **Werban, U.** (2025):
Integrated framework for assessment and spatial prediction of humus layer properties of forest soils
Discover Soil **2** , art. 49
[10.1007/s44378-025-00077-w](https://doi.org/10.1007/s44378-025-00077-w)
1085. **Trabert, T.,** Schmid, A. (2025):
Künstliche Intelligenz im Mobilitätsmanagement: Revolution oder Risiko?
Straßenverkehrstechnik **2025** (5), 352 - 354
1086. Wang, J., Castelletti, A., **de Brito, M.M.,** Pernici, B. (2025):
Drought perceived impacts via text mining of social media
Environmental Research: Water **1** (4), art. 045007
[10.1088/3033-4942/ae2e37](https://doi.org/10.1088/3033-4942/ae2e37)

1087. Wedi, N., Sandu, I., Bauer, P., Acosta, M., Andersen, R.C., Andrae, U., Auger, L., Balsamo, G., Baouisis, V., Bennett, V., Bennett, A., Buontempo, C., Bretonnière, P.-A., Capell, R., Castrillo, M., Chantry, M., Chevallier, M., Correa, R., Davini, P., Denby, L., Doblas-Reyes, F., Dueben, P., Fischer, C., Frauen, C., Frogner, I.-L., Früh, B., Gascón, E., Gérard, E., Gorwits, O., Geenen, T., Grayson, K., Guenova-Rubio, N., Hadade, I., von Hardenberg, J., Haus, U.-U., Hawkes, J., Hirtl, M., Hoffmann, J., Horvath, K., Järvinen, H., Jung, T., Kann, A., Klocke, D., Koldunov, N., Kontkanen, J., Sievi-Korte, O., Kristiansen, J., Kuwertz, E., Mäkelä, J., Maljutenko, I., Manninen, P., McKnight, U.S., Milinski, S., Mueller, A., McNally, A., Modigliani, U., Narayanappa, D., Nielsen, K.P., Nipen, T., Nortamo, H., Peuch, V.-H., Polade, S., Quintino, T., Schicker, I., Reuter, B., Smart, S., Sleigh, M., Suttie, M., Termonia, P., **Thober, S.**, Randriamampianina, R., Theeuwes, N., Thiemert, D., Vannièrè, B., Vannitsem, S., Wittmann, C., Yang, X., Pontaud, M., Stevens, B., Pappenberger, F. (2025): Implementing digital twin technology of the earth system in Destination Earth *Journal of the European Meteorological Society* **3** , art. 100015
[10.1016/j.jemets.2025.100015](https://doi.org/10.1016/j.jemets.2025.100015)
1088. **Zenetti, J.M.** (2025):
Wie eine Lagune eine eigene Stimme bekam: Rechtsgeschichte im Zeichen des ökologischen Wandels
Politische Ökologie **182** , 70 - 75
[10.14512/POE032025070](https://doi.org/10.14512/POE032025070)

Bücher

1089. **Dotzauer, M., Thrän, D.** (2025):
The value of flexible bioenergy: An empirical assessment of the electricity markets in selected European countries
In: Lange, N. (ed.)
IEA Bioenergy Task 44
IEA Bioenergy, San Casciano in Val di Pesa, 28 pp.
1090. Herold, A., Drösler, M., Boetius, A., Bolte, A., Evers, M., Gattinger, A., Grethe, H., Hansen, R., Ibsch, P.L., **Köck, W.**, Pongratz, J., Rehdanz, K., **Settele, J.**, Tanneberger, F., Temperton, V.M., Zschiesche, M. (2025):
Options for further development of the Federal Action Plan on Nature-based Solutions for Climate and Biodiversity
Wissenschaftlicher Beirat für Natürlichen Klimaschutz (WBNK), Geschäftsstelle beim Bundesamt für Naturschutz, Bonn, 244 pp.
1091. Herold, A., Drösler, M., Boetius, A., Bolte, A., Evers, M., Gattinger, A., Grethe, H., Hansen, R., Ibsch, P.L., **Köck, W.**, Pongratz, J., Rehdanz, K., **Settele, J.**, Tanneberger, F., Temperton, V.M., Zschiesche, M. (2025):
Optionen zur Weiterentwicklung des Aktionsprogramms Natürlicher Klimaschutz
Wissenschaftlicher Beirat für Natürlichen Klimaschutz (WBNK), Geschäftsstelle beim Bundesamt für Naturschutz, Bonn, 258 S.
1092. **Musche, M.**, Albrecht, M., Becker, J., Bittermann, J., von Blanckenhagen, B., Böck, O., Caspari, A., Caspari, S., Dolek, M., **Harpke, A.**, Hermann, G., Joger, H.G., Kolligs, D., Lange, A., Müller, D., Nunner, A., Pollrich, S., Reinelt, T., Rennwald, E., Schmitz, O., Schönborn, C., Schulze, W., Schurian, K., Strätling, R., Wachlin, V., **Wiemers, M.** (2025):
Rote Liste und Gesamtartenliste der Tagfalter und Widderchen (Lepidoptera: Papilionoidea et Zygaenidae) Deutschlands
Naturschutz und biologische Vielfalt 170
Bundesamt für Naturschutz (BfN), Bonn, 94 S.
[10.19217/r117011](https://doi.org/10.19217/r117011)
1093. **Reckhaus, Z., Kuhlicke, C.** (2025):
Kontextanalyse zum Wiederaufbau nach dem Hochwasser 2021 in Deutschland - Impulse für Resilienz und Klimaanpassung
UFZ Report 01/2025
Helmholtz Centre for Environmental Research - UFZ, Leipzig, 44 S.
1094. Rossmann, D., **Settele, J.** (2025):
Keine Zeit für Pessimismus: Ideen für eine bessere Welt
Quadriga, Köln, 264 S.

1095. **Settele, J.**, Aracil, A., Arnberg, H., Åström, S., Bacon, J., **Frenzel, M.**, **Grescho, V.**, **Harpke, A.**, **Honchar, H.**, **Kühn, E.**, **Menger, J.S.**, **Musche, M.**, **Nogueira Tavares, C.**, **Schmidt, V.**, **Schweiger, O.**, Sevilleja, C.G., et al. (2025):
SPRING - Strengthening Pollinator Recovery through Indicators and monitoring. Final Report 2024
European Commission, Brussels, 116 pp.
[10.2779/7978371](https://doi.org/10.2779/7978371)
1096. **Settele, J.**, Biala, K., Deiss, F., Marini, L., Michez, D., Pardo, A., Potts, S.G., Robins, J., **Schweiger, O.**, Senapathi, D., Thuiller, W., van Swaay, C., Visconti, P., Vanbergen, A. (2025):
Conceptual development and implementation of Key Pollinator Areas (KPAs) and Buzz Lines in Europe. Workshop report; 3-4 July 2025, Brussels
Publications Office of the European Union, Luxembourg, 26 pp.
[10.2760/9944082](https://doi.org/10.2760/9944082)
1097. **Settele, J.**, Steiner, R., Reinhardt, R., **Feldmann, R.**, Hermann, G., **Musche, M.**, **Kühn, E.**, Brehm, G. (2025):
Schmetterlinge. Die Tagfalter und Widderchen Deutschlands
Ulmer, Stuttgart, 288 S.
1098. **Thrän, D.**, Lange, N., Mäki, E., Saastamoinen, H., Schleker, T., Nevander, M. (2025):
Expectations on flexible bioenergy in different countries
IEA Bioenergy, San Casciano in Val di Pesa, 43 pp.
1099. Wirth, C., Bruelheide, H., Farwig, N., **Settele, J.**, Marx, J.M., Ellerbrok, J.S., **Schmidt, A.**, Spatz, T., Sporbert, M., Bieling, C., Eisenhauer, N., Eskildsen, K., Feld, C.K., Freyhof, J., Fürst, C., Grunewald, K., Grüner, S., Guerra, C.A., **Haase, D.**, Haase, P., Hauck, J., Hering, D., Hillebrand, H., Hodapp, D., Jacob, U., **Kaiser, J.**, Keil, P., Klein, A.-M., Lakner, S., Lettenmaier, L., Mascarenhas, A., Mergner, U., Müller, J., Mupepele, A.-C., Nguyen, H.H., Paetow, H., Pahl-Wostl, C., Paul, C., Poßer, C., Quaas, M., Ristok, C., Scheiffarth, G., Schmedtje, U., Schreiner, V., von Sivers, L., Sommer, P., Sponagel, C., Tebbe, C.C., Thompson, A., Wellmann, T., Xylander, W. (2025):
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for conservation in Germany. Summary for societal decision making
oekom, München, 96 S.

Buchherausgaben

1100. **Breulmann, M., Moeller, L.** (Hrsg., 2025):
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 146 S.
1101. Faßbender, K., **Köck, W.** (Hrsg., 2025):
Die Umsetzung des European Green Deal in der EU und in Deutschland. Tagungsband des 28. Leipziger Umweltrechtlichen Symposions
Leipziger Schriften zum Umwelt- und Planungsrecht
Nomos, Baden-Baden, 133 S.
1102. **Henn, E.V., Jahn, J.** (Hrsg., 2025):
BeckOK Lieferkettensorgfaltspflichtengesetz, 11. Edition
C.H. Beck, München,
1103. **Henn, E.V., Jahn, J.** (Hrsg., 2025):
BeckOK Lieferkettensorgfaltspflichtengesetz, 10. Edition
C.H. Beck, München,
1104. **Henn, E.V., Jahn, J.** (Hrsg., 2025):
BeckOK Lieferkettensorgfaltspflichtengesetz, 12. Edition
C.H. Beck, München,
1105. Mölders, T., Dannenberg, J., **Herdlichka, T.,** Hülz, M., Kapitza, K. (Hrsg., 2025):
Gender – Macht – Energiewende. Potenziale der Geschlechterforschung im Kontext raumbezogener Transformationen
Kritische Nachhaltigkeits- und Transformationsforschung
Transcript, Bielefeld, 276 S.
[10.14361/9783839474266](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-65447-p0077-7)
1106. **Pohl, M., Cristiani, L.** (eds., 2025):
E-Book of Abstracts. ISMET 9 - 2025 Global Conference
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 235 pp.
[10.57699/h5ga-jq79](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-65447-p0077-7)
1107. Reiling, K., **Markus, T.** (Hrsg., 2025):
Rechtsfragen zur Resilienz maritimer Infrastrukturen
Nomos, Baden-Baden, 171 S.
[10.5771/9783748953494](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-65447-p0077-7)

1108. **Schiller, J., Berghöfer, U., Jahn, S.** (Hrsg., 2025):
Landschaften gemeinsam gestalten – *Rewilding* am Oderdelta. Ein Werkstattbuch
oekom, München, 216 S.
[10.14512/9783987264795](https://doi.org/10.14512/9783987264795)
1109. Wirth, C., Bruelheide, H., Farwig, N., Marx, J., **Settele, J.** (eds., 2025):
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for
conservation in Germany
oekom, München, 1256 pp.
[10.14512/9783987264733](https://doi.org/10.14512/9783987264733)

Buchkapitel

1110. **Bade, F., Ranjit, M., Moeller, L.** (2025):
Einfluss der Eigenschaften des Gärmaterials auf die Schaumbildung bei der Vergärung von Triticale
In: Nelles, M. (Hrsg.)
19. Rostocker Biomasseforum: am 19. und 20. Juni 2025. Tagungsband
Schriftenreihe Umweltingenieurwesen 131
Universität Rostock, Agrar- und Umweltwissenschaftliche Fakultät, Rostock, S. 139 - 149
[10.18453/rosdok_id00004784](https://rosdok.uni-rostock.de/10.18453/rosdok_id00004784)
1111. **Berghöfer, A., Barthen, E., Elze, S., Tröger, U.** (2025):
Rewilding als Vision: Drei Landschaftsszenarien für Rothenklempenow
In: Schiller, J., Berghöfer, U., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 181 - 196
[10.14512/9783987264795](https://rosdok.uni-rostock.de/10.14512/9783987264795)
1112. **Berghöfer, A., Tröger, U., Keye, T.** (2025):
Die Kuh und die Krähen. Ein Rewilding Pathway für Rothenklempenow
In: Schiller, J., Berghöfer, U., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 151 - 166
[10.14512/9783987264795](https://rosdok.uni-rostock.de/10.14512/9783987264795)
1113. **Berghöfer, U.** (2025):
Landschaftsspaziergänge
In: Schiller, J., Berghöfer, U., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 121 - 128
[10.14512/9783987264795](https://rosdok.uni-rostock.de/10.14512/9783987264795)
1114. **Berghöfer, U.** (2025):
Verwoben - Mensch, Landschaft, Geschichten
In: Schiller, J., Berghöfer, U., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 55 - 88
[10.14512/9783987264795](https://rosdok.uni-rostock.de/10.14512/9783987264795)
1115. **Berghöfer, U., Tröger, U.** (2025):
Von Wassern, Wünschen und Wölfen
In: Schiller, J., Berghöfer, U., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 129 - 147
[10.14512/9783987264795](https://rosdok.uni-rostock.de/10.14512/9783987264795)

1116. **Birnstengel, S., Pohle, M.,** Zvara, E., Pejdanović, S., Linzen, S., Rabiger-Völlmer, J., Kühn, P., Zielhofer, C., **Werban, U.** (2025):
Oberflächennahe geophysikalische Verfahren als Quelle: Magnetik, Geoelektrik und Elektromagnetik und ihre Validierung durch Sedimentkerne
In: Schenk, G.J., Hillmus, N. (Hrsg.)
Flusslandschaften im Wandel. Kleine multidisziplinäre Quellenkunde der Fluvialen Anthroposphäre
Darmstädter Historische Studien I
TU Darmstadt, Institut für Geschichte, Darmstadt, S. 115 - 127
[10.26083/tuprints-00030108](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-10.26083/tuprints-00030108)
1117. **Breulmann, M.** (2025):
Planungsinstrumente
In: Breulmann, M., Moeller, L. (Hrsg.)
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig, S. 103 - 110
1118. **Breulmann, M., Moeller, L., Bernhard, K.** (2025):
Baumrigolen für das urbane Regenwassermanagement
In: Breulmann, M., Moeller, L. (Hrsg.)
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig, S. 80
1119. **Breulmann, M., Moeller, L.** (2025):
Potentiale
In: Breulmann, M., Moeller, L. (Hrsg.)
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig, S. 49 - 60
1120. **Breulmann, M., Moeller, L.** (2025):
Hintergrund
In: Breulmann, M., Moeller, L. (Hrsg.)
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig, S. 25 - 32
1121. **Breulmann, M., Moeller, L.** (2025):
Kopplung
In: Breulmann, M., Moeller, L. (Hrsg.)
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig, S. 67 - 76

1122. **Breulmann, M., Moeller, L.** (2025):
Bewässerung
In: Breulmann, M., Moeller, L. (Hrsg.)
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig, S. 85 - 90
1123. **Breulmann, M., Moeller, L., Hüesker, F., Reese, M., Hänsel, P.** (2025):
Vorgaben und Ziele der Politik
In: Breulmann, M., Moeller, L. (Hrsg.)
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig, S. 33 - 48
1124. Bruelheide, H., Wirth, C., Farwig, N., **Settele, J.**, Eisenhauer, N., Ellerbrok, J.S., Hauck, J., Hillebrand, H., Hodapp, D., Marx, J.M., Mehring, M., **Schmidt, A.**, Sporbert, M., von Sivers, L., **Wittmer, H.** (2025):
Synthesis of the Faktencheck Artenvielfalt
In: Wirth, C., Bruelheide, H., Farwig, N., Marx, J., Settele, J. (eds.)
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for conservation in Germany
oekom, München, p. 1179 - 1204
[10.14512/9783987264733](https://doi.org/10.14512/9783987264733)
1125. **Dushkova, D., Ivlieva, O., Vandewalle, M.**, Sieber, I., Carrasco, R.A., Ponton, J.F. (2025):
Inclusive methodologies for successful nature-based solutions: towards just sustainability transition
In: Gustavsson, M., Solnør, S., Rønningen, K. (eds.)
Handbook of inclusive methodologies: How methods and methodologies contribute to equitable coastal transition through empowerment and inclusivity
Zenodo
p. 78 - 86
[10.5281/zenodo.17142234](https://doi.org/10.5281/zenodo.17142234)

1126. Eisenhauer, N., Ristock, C., Guerra, C.A., Tebbe, C.C., Xylander, W., Babin, D., **Bartkowski, B.**, Burkhard, B., Filser, J., Glante, F., Hohberg, K., Kleemann, J., Kolb, S., Lachmann, C., Lehmitz, R., Rillig, M., Römbke, J., Rueß, L., Scheu, S., Scheunemann, N., Steinhoff-Knopp, B., Wellbrock, N., Ballasus, H., Rhein, R., Roß-Nickoll, M., Toschki, A. (2025):
Soil biodiversity
In: Wirth, C., Bruelheide, H., Farwig, N., Marx, J., Settele, J. (eds.)
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for conservation in Germany
oekom, München, p. 917 - 1047
[10.14512/9783987264733](https://doi.org/10.14512/9783987264733)
1127. **Elze, S., Berghöfer, A.** (2025):
Mikro-Rewilding: Randstreifen in der Agrarlandschaft
In: Schiller, J., Berghöfer, U., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 167 - 180
[10.14512/9783987264795](https://doi.org/10.14512/9783987264795)
1128. **Esmaeili Aliabadi, D., Jordan, M.,** Meurer, A., Wulff, N. (2025):
Defossilization dynamics: Exploring the interplay of Power-to-X and bioenergy
In: Anvari-Moghaddam, A., Ghaemi, S., You, S., Blaabjerg, F. (eds.)
Power-to-X in regional energy systems. Planning, operation, control, and market perspectives
CRC Press / Taylor & Francis, Boca Raton, FL, p. 228 - 251
[10.1201/9781032719436](https://doi.org/10.1201/9781032719436)
1129. Feld, C.K., Nguyen, H.H., Haase, P., Hering, D., Schmedtje, U., Pahl-Wostl, C., von Fumetti, S., Freyhof, J., Hahn, H.J., Haubrock, P.J., Jähnig, S., Januschke, K., **Klauer, B., Reese, M.,** Sommerwerk, N., Straile, D., Tanneberger, F., Poßer, C., Scheunemann, N., Ristok, C. (2025):
Inland waters and floodplains
In: Wirth, C., Bruelheide, H., Farwig, N., Marx, J., Settele, J. (eds.)
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for conservation in Germany
oekom, München, p. 521 - 646
[10.14512/9783987263361](https://doi.org/10.14512/9783987263361)
1130. **Friesen, J., Khurelbaatar, G., Despot, D., van Afferden, M., Müller, R., Breulmann, M.,** Plaul, B. (2025):
Blau-grüne Infrastruktur im Bestand: Das Kolonnadenviertel
In: Breulmann, M., Moeller, L. (Hrsg.)
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig, S. 119 - 123

1131. **Friesen, J., Khurelbaatar, G., Despot, D., van Afferden, M., Müller, R., Breulmann, M., Plaul, B.** (2025):
Leipzig 416 / Löwitz-Quartier
In: Breulmann, M., Moeller, L. (Hrsg.)
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig, S. 124 - 130
1132. **Friesen, J., Khurelbaatar, G., Plaul, B., Despot, D., van Afferden, M., Müller, R.A., Breulmann, M.** (2025):
Co-designing water-sensitive suburbs through blue-green infrastructure planning by research, municipal and housing association partners
In: Lens, P.N.L., Bui, X.-T. (eds.)
Nature-based solutions for urban sustainability
IWA Publishing, p. 175 - 190
[10.2166/9781789065015_0175](https://doi.org/10.2166/9781789065015_0175)
1133. **Gawel, E.** (2025):
World of Water - Welt im Wandel und die Kunst des Marcel van Beek. World of Water - Changing Earth and the Art of Marcel van Beek
In: van Beek, M. (ed.)
World of Water
MarcelvanBeek Selbstverlag, Leipzig, p. 8 - 15
1134. **Geller, W., Hupfer, M.** (2025):
Seeökosysteme V: Synökologie (Teil 2) – Planktongemeinschaften und Sukzessionen
In: Calmano, W., Hupfer, M., Fischer, H., Klapper, H. (Hrsg.)
Handbuch Angewandte Limnologie: Grundlagen - Gewässerbelastung - Restaurierung - Aquatische Ökotoxikologie - Bewertung - Gewässerschutz
Wiley-VCH, Weinheim,
[10.1002/9783527678488.hbal2025001](https://doi.org/10.1002/9783527678488.hbal2025001)
1135. **Geller, W., Hupfer, M.** (2025):
Seeökosysteme V: Synökologie (Teil 3) – Nahrungsketten und invasive Arten
In: Hupfer, M., Calmano, W., Fischer, H., Klapper, H. (Hrsg.)
Handbuch Angewandte Limnologie: Grundlagen - Gewässerbelastung - Restaurierung - Aquatische Ökotoxikologie - Bewertung - Gewässerschutz
Wiley-VCH, Weinheim,
[10.1002/9783527678488.hbal2025002](https://doi.org/10.1002/9783527678488.hbal2025002)

1136. Gosnell, H., Reyes García, V., **Zinngrebe, Y.**, Almeida Magris, R., Bennesaiah, K., Bonilla-Moheno, M., Chandipo, R., Claudet, R., Gemmil-Herren, B., Goldstein, B., Huntjes, P., Ifejika Speranza, C., Nakao, F., Pandit, R., Bosch Perreira, L., Raab, K., Soares, T., Tittone, P., Miwa, K., Guibal, C., Garibaldi, L. (2025):
Realizing a sustainable world for nature and people: transformative strategies, actions and roles for all (Version v3)
IPBES Transformative Change Assessment
Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES), Bonn, p. 221 - 291
[10.5281/zenodo.11382248](https://doi.org/10.5281/zenodo.11382248)
1137. **Groß, M.** (2025):
Not knowing as expertise: Knowledge and the politics of ignorance
In: Bliesemann de Guevara, B., Kaczmarek, K., Kurowska, X., Poopuu, B., Warnecke, A. (eds.)
Knowledge and expertise in international politics: A handbook
Oxford University Press, Oxford, p. 85 - 97
1138. **Groß, M.** (2025):
Natur und Gesellschaft
In: Scherr, A., Müller, S. (Hrsg.)
Soziologische Basics: Eine Einführung für pädagogische und soziale Berufe. 4. Auflage
Springer VS, Wiesbaden, S. 251 - 259
[10.1007/978-3-658-48556-6](https://doi.org/10.1007/978-3-658-48556-6)
1139. **Haase, A.,** Hedtke, C., Intelmann, D., Kraemer, A. (2025):
Leipzig auf dem Weg in eine postmigrantische Stadtgesellschaft? Eine konfliktanalytische Betrachtung anhand exemplarischer Fallstudien
In: Kersting, N., Müller, J.D., Hunger, U. (Hrsg.)
Migration und Konflikt
Studien zur Migrations- und Integrationspolitik
Springer VS, Wiesbaden, S. 239 - 263
1140. **Haase, A., Schmidt, A.** (2025):
Ankommen, Wohnen und Integration in Leipzig: Zum lokalen Umgang mit Fluchtmigration aus der Ukraine
In: Gesemann, F., Filsinger, D., Münch, S. (Hrsg.)
Handbuch Lokale Integrationspolitik
Springer VS, Wiesbaden, S. 1 - 18
[10.1007/978-3-658-43195-2_48-1](https://doi.org/10.1007/978-3-658-43195-2_48-1)

1141. **Haase, D.**, Keil, P., Mascarenhas, A., **Kaiser, J.**, Albert, C., Mayer, F., Fischer, L.K., Strohbach, M.W., Egerer, M., Bartz, R., **Knapp, S.**, Kramer-Schadt, S., Straka, T., Rhein, B., Wellmann, T., **Kleemann, J.**, Rillig, M., Ristok, C. (2025):
Urban areas
In: Wirth, C., Bruelheide, H., Farwig, N., Marx, J., Settele, J. (eds.)
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for conservation in Germany
oekom, München, p. 787 - 916
[10.14512/9783987264733](https://doi.org/10.14512/9783987264733)
1142. **Hansjürgens, B., Furtak, S.** (2025):
Ökonomische Inwertsetzung zur Erhaltung des Naturkapitals
In: Kramer, M. (Hrsg.)
Systemische Nachhaltigkeit
SDG - Forschung, Konzepte, Lösungsansätze zur Nachhaltigkeit
Springer Nature, S. 31 - 48
[10.1007/978-3-658-47206-1_3](https://doi.org/10.1007/978-3-658-47206-1_3)
1143. **Hansjürgens, B., Furtak, S.** (2025):
Gärten, wertvoll und kostbar - wie eine ökonomische Sicht helfen kann
In: Lauber, S., Sorbello Staub, A. (Hrsg.)
Gartenschau - Erkundungen zwischen Paradiessehnsucht und Klimakrise
Fuldaer Hochschulschriften 67
Echter Verlag, Würzburg, S. 185 - 214
1144. **Hauck, J.**, Schreiner, V., Grunewald, K., Kleemann, J., **Knauf, S.**, Kolkmann, M., Mehring, M., Poßer, C., Potthast, T., **Schleyer, C.**, Warner, B., **Wittmer, H.**, **Böhning-Gaese, K.**, Meya, J., Fürst, C., **Albert, C.**, Ansorge, H., Behnen, T., Bieling, C., Bökenkamp, A., Brietzke, A., Egermann, M., Eschke, N., Fernandez, N., **Förster, J.**, García Ruales, J., Geidezis, L., Gerner, N., Gutmann, A., Hietel, E., Lenz, R., Mann, G., **Massenberg, J.R.**, Maurer, F., Meyer, B., Müller, J., Papilloud, C., Penker, M., Schumacher, H., Schumann, H., Sommerhäuser, M., Straka, T.M., Suntken, S., Talanow, K., Westerling, S., **Wildner, T.M.**, Zieschank, R. (2025):
Transformation potential for the conservation of biodiversity
In: Wirth, C., Bruelheide, H., Farwig, N., Marx, J., Settele, J. (eds.)
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for conservation in Germany
oekom, München, p. 1121 - 1777
[10.14512/9783987264733](https://doi.org/10.14512/9783987264733)

1145. **Henn, E.V.,** Jahn, J. (2025):
§ 2 Abs. 2 Nr. 9- Verbot der Herbeiführung qualifizierter Umweltauswirkungen
In: Henn, E.V., Jahn, J. (Hrsg.)
BeckOK Lieferkettensorgfaltspflichtengesetz, 12. Edition
C.H. Beck, München,
1146. **Henn, E.V.,** Jahn, J. (2025):
Einleitung
In: Henn, E.V., Jahn, J. (Hrsg.)
BeckOK Lieferkettensorgfaltspflichtengesetz, 11. Edition
C.H. Beck, München, S. Rn 1 - 24
1147. **Henn, E.V.,** Jahn, J. (2025):
Einleitung
In: Henn, E.V., Jahn, J. (Hrsg.)
BeckOK Lieferkettensorgfaltspflichtengesetz, 10. Edition
C.H. Beck, München, S. Rn 1 - 24
1148. **Henn, E.V.,** Jahn, J. (2025):
Einleitung
In: Henn, E.V., Jahn, J. (Hrsg.)
BeckOK Lieferkettensorgfaltspflichtengesetz, 12. Edition
C.H. Beck, München, S. Rn 1 - 24
1149. **Henn, E.V.,** Jahn, J. (2025):
§ 2 Abs. 2 Nr. 9- Verbot der Herbeiführung qualifizierter Umweltauswirkungen
In: Henn, E.V., Jahn, J. (Hrsg.)
BeckOK Lieferkettensorgfaltspflichtengesetz, 11. Edition
C.H. Beck, München,
1150. **Henn, E.V.,** Jahn, J. (2025):
§ 2 Abs. 4 - Verletzung einer menschenrechtsbezogenen oder umweltbezogenen Pflicht
In: Henn, E.V., Jahn, J. (Hrsg.)
BeckOK Lieferkettensorgfaltspflichtengesetz, 12. Edition
C.H. Beck, München,
1151. **Henn, E.V.,** Jahn, J. (2025):
§ 2 Abs. 4 - Verletzung einer menschenrechtsbezogenen oder umweltbezogenen Pflicht
In: Henn, E.V., Jahn, J. (Hrsg.)
BeckOK Lieferkettensorgfaltspflichtengesetz, 11. Edition
C.H. Beck, München,

1152. **Henn, E.V., Jahn, J. (2025):**
§ 2 Abs. 4 - Verletzung einer menschenrechtsbezogenen oder umweltbezogenen Pflicht
In: Henn, E.V., Jahn, J. (Hrsg.)
BeckOK Lieferkettensorgfaltspflichtengesetz, 10. Edition
C.H. Beck, München,
1153. **Henn, E.V., Jahn, J. (2025):**
§ 2 Abs. 2 Nr. 9- Verbot der Herbeiführung qualifizierter Umweltauswirkungen
In: Henn, E.V., Jahn, J. (Hrsg.)
BeckOK Lieferkettensorgfaltspflichtengesetz, 10. Edition
C.H. Beck, München,
1154. **Herdlichka, T., Dankers, J., Kienesberger, M., Kapitza, K., Mölders, T. (2025):**
Nachhaltigkeitsforschung und Geschlechterperspektiven: Intersektionale Ansätze zur
Analyse sozial-ökologischer Transformationen
In: Mölders, T., Dannenberg, J., Herdlichka, T., Hülz, M., Kapitza, K. (Hrsg.)
*Gender - Macht - Energiewende. Potenziale der Geschlechterforschung im Kontext
raumbezogener Transformationen*
Kritische Nachhaltigkeits- und Transformationsforschung
Transcript, Bielefeld, S. 93 - 116
[10.14361/9783839474266-008](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-65862-p0101-9)
1155. **Herdlichka, T. (2025):**
Von fossilen zu erneuerbaren Energielandschaften: Machtverhältnisse und
(Un-)Gerechtigkeiten in energiewendebezogenen Transformationsprozessen in der
brandenburgischen Lausitz
In: Mölders, T., Dannenberg, J., Herdlichka, T., Hülz, M., Kapitza, K. (Hrsg.)
*Gender - Macht - Energiewende. Potenziale der Geschlechterforschung im Kontext
raumbezogener Transformationen*
Kritische Nachhaltigkeits- und Transformationsforschung
Transcript, Bielefeld, S. 185 - 203
[10.14361/9783839474266-014](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-65862-p0101-9)
1156. **Herzprung, P., Waldemer, C., Koschorreck, M., Lechtenfeld, O.J. (2025):**
Methane ebullition from freshwater aquaculture pond and the corresponding natural
organic matter composition in sediments
*Wasserbewirtschaftung im Einzugsgebiet der Elbe gestern, heute und morgen ~
Tagungsband. Magdeburger Gewässerschutzseminar 2025 = Magdeburský seminář o
ochraně vod 2025, 8.-9.10.2025*
Internationale Kommission zum Schutz der Elbe (IKSE), Magdeburg, p. 116 - 117

1157. **Jahn, S.**, Götz-Schlingmann, F. (2025):
Das Rewilding - Netzwerke spannen
In: Schiller, J., Berghöfer, U., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 111 - 119
[10.14512/9783987264795](https://doi.org/10.14512/9783987264795)
1158. **Kamjunke, N., Herzsprung, P., von Tümpling, W.,** Matoušů, A., Znachor, P.,
Sanders, T., Brix, H., Bussmann, I., **Weitere, M., Lechtenfeld, O.J.** (2025):
Transformation of riverine nutrients and dissolved organic matter from source to sea
Wasserbewirtschaftung im Einzugsgebiet der Elbe gestern, heute und morgen ~
Tagungsband. Magdeburger Gewässerschutzseminar 2025 = Magdeburský seminář o
ochraně vod 2025, 8.-9.10.2025
Internationale Kommission zum Schutz der Elbe (IKSE), Magdeburg, p. 14 - 15
1159. Klein, A.-M., Thompson, A., Lakner, S., Mupepele, A.-C., Paetow, H.,
Sponagel, C., Bieling, C., Bleidorn, C., Breitzkreuz, L., Hasenöhl, U., Sommer,
M., Tanneberger, F., Bruelheide, H., Muus, K., **Schmidt, A., Settele, J.**, Sporbert,
M., **Kühn, I., Buscot, F.**, Otto, P., **Böhning-Gaese, K.**, Fornoff, F., Ssymank,
A., **Musche, M., Harpke, A., Bartkowski, B.**, Eisenhauer, N., **Ristok, C.**, Tebbe,
C.C., **von Hagenow, C.S.**, Schoof, N., Schreiner, V., Mehring, M., Morhart, C. (2025):
Agriculture and open land
In: Wirth, C., Bruelheide, H., Farwig, N., Marx, J., Settele, J. (eds.)
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for
conservation in Germany
oekom, München, p. 217 - 355
[10.14512/9783987264733](https://doi.org/10.14512/9783987264733)
1160. Lakner, S., Grüner, S., Sommer, P., Hasenöhl, U., Turk, Z., Böhner, H., **Klauer, B.**,
Koch, M., Meyer-Jürshof, M., Mupepele, A.-C., Mascarenhas, A., Klein,
A.-M., Paul, C., Jansen, F., Mehring, M., **Tanneberger, F.**, Winkler, H., **Pe'er, G.**,
Paetow, H. (2025):
Indirect drivers of biodiversity development
In: Wirth, C., Bruelheide, H., Farwig, N., Marx, J., Settele, J. (eds.)
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for
conservation in Germany
oekom, München, p. 1049 - 1119
[10.14512/9783987264733](https://doi.org/10.14512/9783987264733)

1161. Linstädter, A., Frenzel, P., Brown, A., Fletcher, W., Kaniecki, M., Köhler, A., Kühn, P., Quante, E., Offermann, M., Pejdanović, S., Schmidt, J., Schneider, B., Weil, J., **Werban, U.**, Zvara, E., Zielhofer, C. (2025):
Bioindikatoren der fluvialen Anthroposphäre
In: Schenk, G.J., Hillmus, N. (Hrsg.)
Flusslandschaften im Wandel. Kleine multidisziplinäre Quellenkunde der Fluvialen Anthroposphäre
Darmstädter Historische Studien I
TU Darmstadt, Institut für Geschichte, Darmstadt, S. 34 - 61
[10.26083/tuprints-00030103](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-1026083-tuprints-00030103)
1162. **Markus, T.** (2025):
General perspectives on the law of energy transition in Germany
In: Rodi, M., Saurer, J. (eds.)
Comparative perspectives on the law of energy transition in Europe
Beiträge zum ausländischen öffentlichen Recht und Völkerrecht 346
Nomos, Baden-Baden, p. 129 - 165
[10.5771/9783748962601](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-105771-9783748962601)
1163. **Markus, T.** (2025):
Computermodellierung im Umweltrecht
In: von Landenberg-Roberg, M., Pilniok, A. (Hrsg.)
Das Recht der digital-ökologischen Transformation
Mohr Siebeck, Tübingen, S. 263 - 295
[10.1628/978-3-16-164746-8](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-101628-978-3-16-164746-8)
1164. Marx, J.M., Ellerbrok, J.S., **Schmidt, A.**, Spatz, T., Sporbert, M., von Sivers, L., Bruelheide, H., Farwig, N., **Settele, J.**, Wirth, C. (2025):
Topics in the Faktencheck Artenvielfalt
In: Wirth, C., Bruelheide, H., Farwig, N., Marx, J., Settele, J. (eds.)
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for conservation in Germany
oekom, München, p. 141 - 215
[10.14512/9783987264733](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-1014512-9783987264733)
1165. **Massenberg, J.R.** (2025):
Landschaftswerte
In: Schiller, J., Berghöfer, U., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 89 - 96
[10.14512/9783987264795](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-1014512-9783987264795)

1166. **Mehmood, T.,** Ashraf, A., Parveen, K., Hassan, M.A., Peng, L., Ahmad, S., Ahmad, T., Ilić, P. (2025):
Future research perspectives of combined toxicology
In: Pei, D.-S., Liu, Y. (eds.)
Toxicological assessment of combined chemicals in the environment
Wiley-Blackwell, Hoboken, NJ, p. 365 - 380
[10.1002/9781394158355.ch20](https://doi.org/10.1002/9781394158355.ch20)
1167. **Mittelstädt, N., Häfner, C., Manske, D., Panda, M., Thrän, D.** (2025):
Wissenstransfer für eine nachhaltige Energiewende: Öffentliche Bereitstellung und Visualisierung von (Geo-)Daten im EE-Monitor und EE-Standortfinder
In: Gotthard, M., Behnisch, M. (Hrsg.)
Flächennutzungsmonitoring XVII: Flächenpolitik - Flächenanalysen – Methoden und Werkzeuge
IÖR-Schriften 83
Leibniz-Institut für ökologische Raumentwicklung e.V., Dresden, S. 291 - 302
[10.5281/zenodo.18923215](https://doi.org/10.5281/zenodo.18923215)
1168. **Moeller, L., Trabitzsch, R., Bernhard, K., Schlosser, D., Wollschläger, N., Otto, P.** (2025):
Das UFZ-Forschungsgründach
In: Breulmann, M., Moeller, L. (Hrsg.)
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig, S. 51 - 54
1169. Mölders, T., Hülz, M., Kapitza, K., **Herdlitschka, T.,** Dannenberg, J. (2025):
Für eine nachhaltige Energiewendeplanung: Gewissheiten infrage stellen
In: Mölders, T., Dannenberg, J., Herdlitschka, T., Hülz, M., Kapitza, K. (Hrsg.)
Gender - Macht - Energiewende. Potenziale der Geschlechterforschung im Kontext raumbezogener Transformationen
Kritische Nachhaltigkeits- und Transformationsforschung
Transcript, Bielefeld, S. 259 - 267
[10.14361/9783839474266-019](https://doi.org/10.14361/9783839474266-019)

1170. Müller, J., Lettenmaler, L., Mergner, U., Paul, C., Ammer, C., Bässler, C., Braunisch, V., Brunzel, S., Englmeier, J., Georgiev, K., Gossner, M., Höltermann, A., Kamp, J., Kleinschmitt, D., Krah, F.-S., Lieber, K.-H., Marx, J.M., Meyer, P., Michler, B., von Ohelmb, G., Peters, W., Sanders, T., Sotirov, M., Schuldt, A., Wirth, C., Bösch, M., Eisenhauer, N., Ellerbrok, J.S., Elsasser, P., Gebhardt, T., Hauck, J., Hendel, A.-L., Husmann, K., Ristok, C., Rödel, M.-O., **Schmidt, A.**, Schüler, E., von Hoermann, C., Welmar, H., Wellbrock, N. (2025): Forest
In: Wirth, C., Bruelheide, H., Farwig, N., Marx, J., Settele, J. (eds.) *Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for conservation in Germany*
oekom, München, p. 357 - 520
[10.14512/9783987264733](https://doi.org/10.14512/9783987264733)
1171. **Müller, R.A.** (2025):
Das Leipziger Modell Blau-Grün
In: Breulmann, M., Moeller, L. (Hrsg.)
Planung gekoppelter blau-grüner Infrastrukturen – Ein Handbuch zur wassersensiblen Stadtentwicklung in Leipzig: Starkregenmanagement und Bewässerung
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ, Leipzig, S. 17 - 24
1172. **Muz, M., Jahnke, A., Rojo-Nieto, E.** (2025):
Extraction, cleanup and recovery of trace organic pollutants in biota
In: Barceló, D., Pico, Y. (eds.)
Sample handling and trace analysis of pollutants: Innovations to determine organic contaminants (Second edition)
Elsevier Science, Oxford, p. 65 - 134
[10.1016/B978-0-323-85601-0.00014-X](https://doi.org/10.1016/B978-0-323-85601-0.00014-X)
1173. **Neubauer, M.** (2025):
Pläne als Verbünde räumlich oder zeitlich differenzierender Norm. Überlegungen zu Begriff und Steuerungseffekten eines besonderen Regelungstyps
In: Feldkamp, J., Schmitz, L., Schneider, J., Zurbrügg, M. (Hrsg.)
Lenkung durch Recht? Tagung des Jungen Forums Rechtsphilosophie (JFR) im September 2022 in Köln
Archiv für Rechts- und Sozialphilosophie. Beiheft 175
Franz Steiner, Stuttgart, S. 63 - 77

1174. Pejdanović, S., Zvara, E., **Werban, U., Pohle, M.**, Zielhofer, C., Kühn, P. (2025):
Böden, Sedimente und ihr 4D-Potenzial für die Rekonstruktion der Entstehungs- und
Landnutzungsgeschichte der Aue
In: Schenk, G.J., Hillmus, N. (Hrsg.)
*Flusslandschaften im Wandel. Kleine multidisziplinäre Quellenkunde der Fluvialen
Anthroposphäre*
Darmstädter Historische Studien 1
TU Darmstadt, Institut für Geschichte, Darmstadt, S. 147 - 158
[10.26083/tuprints-00030111](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-65862-p0111-9)
1175. **Peng, G.** (2025):
Human external and internal exposure to micro(nano)plastics
Reference Module in Earth Systems and Environmental Sciences
Elsevier, Amsterdam,
[10.1016/B978-0-443-14082-2.00078-8](https://doi.org/10.1016/B978-0-443-14082-2.00078-8)
1176. Peydaei, A., Shakunt Dodhia, M., Schmidt, D., Hendiani, S., **Neu, T.R.**, Krarup Sand, K.,
Posth, N.R. (2025):
Beyond biofilm: The role of biominerals and metals in the plastisphere – implications for
elemental cycling, biogeochemical processes, and human health
In: Vithanage, M., Bakir, A., Posth, N.R. (eds.)
Plastisphere: The ecosystem of plastics
CRC Press / Taylor & Francis, Boca Raton, FL, p. 243 - 267
[10.1201/9781032717814](https://doi.org/10.1201/9781032717814)
1177. Rabiger-Völlmer, J., Zielhofer, C., **Birnstengel, S., Werban, U.** (2025):
Der Untergrund von Auen erkundet mit minimal-invasiven in-situ Direct
push-Sondierungen
In: Schenk, G.J., Hillmus, N. (Hrsg.)
*Flusslandschaften im Wandel. Kleine multidisziplinäre Quellenkunde der Fluvialen
Anthroposphäre*
Darmstädter Historische Studien 1
TU Darmstadt, Institut für Geschichte, Darmstadt, S. 128 - 139
[10.26083/tuprints-00030109](https://nbn-resolving.org/urn:nbn:de:hbz:5:1-65862-p0109-9)
1178. **Reese, M.** (2025):
Nachhaltige Niederschlagsbewirtschaftung und wassersensible Stadtentwicklung –
Rechtsrahmen und Novellierungsbedarf
In: Durner, W. (Hrsg.)
Anpassung der Wasserwirtschaft an den Klimawandel
Das Recht der Wasser- und Entsorgungswirtschaft 57
Heymanns, Köln, S. 111 - 134

1179. Reiling, K., **Markus, T.** (2025):
Einleitung: Rechtsfragen der Resilienz maritimer Infrastrukturen
In: Reiling, K., Markus, T. (Hrsg.)
Rechtsfragen zur Resilienz maritimer Infrastrukturen
Nomos, Baden-Baden, S. 9 - 12
1180. **Rocha Vogel, A., Kolberg, Y., Swonarjow, S., von Tümping, W.** (2025):
Tire and road wear particles in rivers: Interaction with trace elements deteriorate the chemical water quality – experiments under environmental conditions
Wasserbewirtschaftung im Einzugsgebiet der Elbe gestern, heute und morgen ~ Tagungsband. Magdeburger Gewässerschutzseminar 2025 = Magdeburský seminář o ochraně vod 2025, 8.-9.10.2025
Internationale Kommission zum Schutz der Elbe (IKSE), Magdeburg, p. 101 - 104
1181. Salimkumar, A.V., Cleetus, M.C.K., **Ehigie, J.O.**, Onogbosele, C.O., Essel, D.A., Parry, R., Kumar, B.S., Prabhakaran, M.P., Rejish Kumar, V.J. (2025):
Ecotoxicological impact of microplastics in the environment
In: Kataria, N., Garg, V.K., Han, C., Rene, E.R. (eds.)
Microplastic pollution. Occurrence, health risk and challenges
CRC Press, Boca Raton, FL, p. 245 - 265
[10.1201/9781032706573-14](https://doi.org/10.1201/9781032706573-14)
1182. **Schiller, J., Berghöfer, A., Berghöfer, U., Jahn, S.**, Massenberger, J.R., **Schröter-Schlaack, C.** (2025):
Was ist Rewilding?
In: Berghöfer, U., Schiller, J., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 11 - 15
[10.14512/9783987264795](https://doi.org/10.14512/9783987264795)
1183. **Schiller, J., Berghöfer, A., Berghöfer, U., Jahn, S., Schröter-Schlaack, C.**, Stöcker, U., **Hansjürgens, B.** (2025):
Fazit
In: Schiller, J., Berghöfer, U., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 199 - 206
[10.14512/9783987264795](https://doi.org/10.14512/9783987264795)
1184. **Schiller, J., Berghöfer, U.** (2025):
Landschaft als Gegenstand?
In: Schiller, J., Berghöfer, U., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 17 - 18
[10.14512/9783987264795](https://doi.org/10.14512/9783987264795)

1185. **Schiller, J.** (2025):
Was ist Landschaft?
In: Schiller, J., Berghöfer, U., Jahn, S. (Hrsg.)
Landschaften gemeinsam gestalten – Rewilding am Oderdelta. Ein Werkstattbuch
oekom, München, S. 19 - 22
[10.14512/9783987264795](https://doi.org/10.14512/9783987264795)
1186. Sieber, I.M., **Pouget, C.**, Sarkki, S., Ntemiri, S., Gañán de Molina, C., Spiering, S., **Dushkova, D.**, **Ivlieva, O.**, Bunnefeld, N., **Vandewalle, M.** (2025):
Community Empowerment Tools for strengthening coastal social-ecological resilience
In: Gustavsson, M., Solnør, S., Rønningen, K. (eds.)
Handbook of inclusive methodologies: How methods and methodologies contribute to equitable coastal transition through empowerment and inclusivity
Zenodo
p. 62 - 65
[10.5281/zenodo.17142234](https://doi.org/10.5281/zenodo.17142234)
1187. **Tittel, J.**, **Coder, L.**, **Büttner, O.**, **Knöller, K.**, **Kronsbein, P.M.**, **Rinke, K.**, **Musolff, A.** (2025):
Anthropogenic modification of riverscapes reduces the resilience of floodplain water bodies to drought
Wasserbewirtschaftung im Einzugsgebiet der Elbe gestern, heute und morgen ~ Tagungsband. Magdeburger Gewässerschutzseminar 2025 = Magdeburský seminář o ochraně vod 2025, 8.-9.10.2025
Internationale Kommission zum Schutz der Elbe (IKSE), Magdeburg, p. 21
1188. Wirth, C., Bruelheide, H., Farwig, N., **Settele, J.**, Marx, J.M., Ellerbrok, J.S., **Schmidt, A.**, Spatz, T., Sporbert, M., Bieling, C., Eisenhauer, N., Eskildsen, K., Feld, C.K., Freyhof, J., Fürst, C., Grunewald, K., Grüner, S., Guerra, C.A., **Haase, D.**, Haase, P., Hauck, J., Hering, D., Hillebrand, H., Hodapp, D., Jacob, U., **Kaiser, J.**, Keil, P., Klein, A.-M., Lakner, S., Lettenmaier, L., Mascarenhas, A., Mergner, U., Müller, J., Mupepele, A.-C., Nguyen, H.H., Paetow, H., Pahl-Wostl, C., Paul, C., Poßer, C., Quaas, M., Ristok, C., Scheiffarth, G., Schmedtje, U., Schreiner, V., von Sivers, L., Sommer, P., Sponagel, C., Tebbe, C.C., Thompson, A., Wellmann, T., Xylander, W. (2025):
Faktencheck Artenvielfalt. Summary for societal decision
In: Wirth, C., Bruelheide, H., Marx, J., Settele, J. (eds.)
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for conservation in Germany
oekom, München, p. 31 - 116
[10.14512/9783987263378](https://doi.org/10.14512/9783987263378)

1189. Wirth, C., Farwig, N., Bruelheide, H., **Settele, J.**, Ellerbrok, J.S., Marx, J.M., **Schmidt, A.**, von Sivers, L., Spatz, T., Sporbert, M. (2025):
Introduction
In: Wirth, C., Bruelheide, H., Farwig, N., Marx, J., Settele, J. (eds.)
Faktencheck Artenvielfalt. Assessment of the status of biodiversity and prospects for conservation in Germany
oekom, München, p. 117 - 140
[10.14512/9783987264733](https://doi.org/10.14512/9783987264733)
1190. **Zill, J., Weitere, M., Siebert, C., Mallast, U.** (2025):
Assessing groundwater discharge and its impact on riverine eutrophication - the Elbe case study
Wasserbewirtschaftung im Einzugsgebiet der Elbe gestern, heute und morgen ~ Tagungsband. Magdeburger Gewässerschutzseminar 2025 = Magdeburský seminář o ochraně vod 2025, 8.-9.10.2025
Internationale Kommission zum Schutz der Elbe (IKSE), Magdeburg, p. 146 - 148

Berichte

1191. Bellingrath-Kimura, S.D., Broll, G., Eser, U., Fürst, C., Grathwohl, P., Guggenberger, G., **Hansjürgens, B.**, von Haaren, C., Höper, H., Lang, F., **Möckel, S.**, Nabel, M., Roß-Nickoll, M., Thiele-Bruhn, S. (2025):
Der Boden als Kohlenstoffspeicher und Kohlenstoffsenke. Empfehlungen der Kommission Bodenschutz beim UBA
Position / Umweltbundesamt 01/2025
Umweltbundesamt, Dessau-Roßlau, 16 S.
1192. Bellingrath-Kimura, S.D., Broll, G., Eser, U., Fürst, C., Grathwohl, P., Guggenberger, G., **Hansjürgens, B.**, von Haaren, C., Höper, H., Lang, F., **Möckel, S.**, Nabel, M., Roß-Nickoll, M., Thiele-Bruhn, S. (2025):
Wirtschaftlicher Aufschwung, Klimaschutz und Ernährungssicherheit – Ohne gesunde Böden geht es nicht. Empfehlungen der Kommission Bodenschutz beim UBA
Position / Umweltbundesamt 02/2025
Umweltbundesamt, Dessau-Roßlau, 5 S.
1193. Bischof, R., Danker, S., von Gönner, J., Tent, L., **Bonn, A.**, Birk, S., Friedrichs-Manthey, M. (2025):
Revitalizing small streams – A practical guide for community action
Zenodo
40 pp.
[10.5281/zenodo.15019119](https://zenodo.org/doi/10.5281/zenodo.15019119)
1194. Blecken, L., Schmidt, C., Pietsch, M., Fritzsche, S., Greiving, S., Schödl, L., Jorg, L., Dettmar, J., Blumenkemper, S., **Köck, W.** (2025):
Stadt und Land: Gleichwertige Lebensverhältnisse unter Ausgestaltung nachhaltiger Raumbeziehungen
Texte Umweltbundesamt 14/2025
Umweltbundesamt, Dessau-Roßlau, 337 S.
1195. Blümel, L., Händler, T., **Thrän, D.** (2025):
Transfer gestalten: Wie Bioenergie schneller ihren Platz in der Wirtschaft findet
DBFZ Deutsches Biomasseforschungszentrum gemeinnützige GmbH, Leipzig, 14 S.
[10.48480/2aeq-y191](https://zenodo.org/doi/10.48480/2aeq-y191)
1196. Bodirsky, B., **Gawel, E.**, Hartmann, J., Havermann, F., Kuse, K., May, M., Montero de Oliveira, F.E., Pongratz, J., Rehfeld, K., **Thrän, D.**, von der Assen, N. (2025):
CO₂-Entnahmefaktoren an Land – Überblick III: Mit der Kraft der Pflanzen: Biologische Verfahren zur CO₂-Entnahme aus der Atmosphäre
Zenodo
12 S.
[10.5281/zenodo.14975134](https://zenodo.org/doi/10.5281/zenodo.14975134)

1197. Bodirsky, B., **Gawel, E.**, Hartmann, J., Havermann, F., Kuse, K., May, M.,
Montero de Oliveira, F.E., Pongratz, J., Rehfeld, K., **Thrän, D.**, von der Assen, N.
(2025):
Kohlendioxidentnahmeverfahren an Land – wie sie funktionieren und warum wir sie
brauchen, um unsere Klimaziele zu erreichen
Zenodo
12 S.
[10.5281/zenodo.14969837](https://zenodo.org/record/14969837)
1198. Bodirsky, B., **Gawel, E.**, Hartmann, J., Havermann, F., Kuse, K., May, M.,
Montero de Oliveira, F.E., Pongratz, J., Rehfeld, K., **Thrän, D.**, von der Assen, N.
(2025):
CO₂-Entnahmefethoden an Land – Überblick I: Die Kohlenstoffspeicherung unserer
Böden steigern
Zenodo
12 S.
[10.5281/zenodo.14918782](https://zenodo.org/record/14918782)
1199. Bodirsky, B., **Gawel, E.**, Hartmann, J., Havermann, F., Kuse, K., May, M.,
Montero de Oliveira, F.E., Pongratz, J., Rehfeld, K., **Thrän, D.**, von der Assen, N.
(2025):
CO₂-Entnahmefethoden an Land – Überblick II: Neue technische Verfahren
zur CO₂-Entnahme aus der Atmosphäre
Zenodo
8 S.
[10.5281/zenodo.14918934](https://zenodo.org/record/14918934)
1200. Bremer, J., Kohl, T., Sass, I., **Kolditz, O.**, Rudolph, B., Rühaak, W., Köbe, W.,
Dehmer, D., Schamp, J., Grimmer, J.C., Scheuven, D., Schüth, C., Deon, F., Lüth,
S., Haaf, N., Hoffert, U., Milsch, H., Giese, R., Zimmermann, G., Könitz, D., **Rink, K.,**
Şen, Ö.O., Goldstein, S., Jahn, M., Steinhilb, J., Bauer, F., Selzer, M., Schätzler, K.
(2025):
GeoLaB annual report 2024
GeoLab, Karlsruhe, 126 pp.
[10.5445/IR/1000184950](https://zenodo.org/record/1000184950)
1201. Brothers, S., Catalán, N., Marcé, R., **Koschorreck, M.**, von Schiller, D., Kosten, S.,
Keller, P., Leigh, C., Sharma, K. (2025):
Global assessment of the role of vegetation in dry sediment carbon fluxes. Version 3
Zenodo
14 pp.
[10.5281/zenodo.15480658](https://zenodo.org/record/15480658)

1202. Claudio, D., Fiebig, M., Shridhar, J., Vermeulen, A., Turco, M., Gutierrez, M., Thijsse, P., **Bumberger, J.**, D'Amico, G., Ripepi, E., Izzi, F., La Scaleia, G. (2025): ENVRI-Hub NEXT_D11.2 Metadata and Vocabularies Harmonisation
Zenodo
59 pp.
[10.5281/zenodo.15555563](https://zenodo.org/record/15555563)
1203. **Esmaeili Aliabadi, D.**, Mantilla, C., Lechón, Y., Haaskjold, K., Arvesen, A., Baldauf, T., Eschmann, J., Kochems, J., **Gutjahr, S.**, Kirkil, G., Kaltsas, I., Kannavou, M., Charousset-Brignol, S., Couto, A., Estanqueiro, A., Barani, M., Löffler, K., Nienhaus, K., Belsnes, M.M., Mathisen, S. (2025):
Man0EUvRE – Deliverable 3.1, Executive Summaries of Case Studies
Zenodo
[10.5281/zenodo.17986244](https://zenodo.org/record/17986244)
1204. **Förster, J.**, Verbücheln, M. (2025):
Nature in impact accounting for business steering. Version 0.1
Value Balancing Alliance, 29 pp.
1205. **Gawel, E., Möckel, S.** (2025):
Vergleich von Zertifikats- und Steuerlösungen für eine Reduktion des Pestizideinsatzes und -risikos in der Landwirtschaft – eine umweltökonomische und rechtliche Analyse
UFZ Report 2/2025
Helmholtz Centre for Environmental Research - UFZ, Leipzig, 99 S.
1206. **Häbler, P., Gebauer, R.** (2025):
Ausgezeichnet nachhaltig: Ergebnisse zur Sichtbarwerdung von BNE in Kommunen durch Wettbewerbe und Auszeichnungen
Deutsches Jugendinstitut e.V., München, Halle, 10 S.
1207. **Häbler, P., Mögling, T.** (2025):
Fördern, formen, festigen: Erkenntnisse aus der qualitativen Prozessevaluation zur strukturellen Verankerung von BNE durch Förderprogramme
Deutsches Jugendinstitut e.V., München, Halle, 11 S.
1208. **Häbler, P., Mögling, T.** (2025):
Von Idealismus bis Pragmatismus: Was BNE-Akteurinnen - und Akteure antreibt. Ausgewählte Forschungsergebnisse zur Motivation von Institutionen und Akteurinnen und Akteuren
Deutsches Jugendinstitut e.V., München, Halle, 9 S.

1209. **Hempel, H.,** Einhäupl, P., **Escher, B., Heidenreich, M., Leipold, S.,** Schweizer, P.-J., Sielemann, V., **Srebny, V.** (2025):
Accelerated testing of more substances – Towards better chemicals regulation
SynCom, Helmholtz Erde & Umwelt, Berlin, 4 pp.
[10.48440/syncom.2025.001](https://doi.org/10.48440/syncom.2025.001)
1210. Hornberg, C., Kemfert, C., Dornack, C., **Köck, W.,** Lucht, W., **Settele, J.,** Töller, A.E. (2025):
Stellungnahme des Sachverständigenrats für Umweltfragen zu den
Verfassungsbeschwerden 1 BvR 1699/24, 1 BvR 2098/24 und 1 BvR 2113/24 sowie 1
BvR 2240/24
Sachverständigenrat für Umweltfragen (SRU), Berlin, 15 S.
1211. **Kabisch, S., Pöbneck, J., Häßler, P., Böttcher, T.** (2025):
Grünau 2025. Ergebnisse der Bewohnerbefragung im Rahmen der Langzeitstudie
“Wohnen und Leben in Leipzig-Grünau”
UFZ Report 03/2025
Helmholtz Centre for Environmental Research - UFZ, Leipzig, 118 S.
1212. Keuneke, R., Gauß, A., Buchholz, O., **Bunzel, K., Kollai, H.** (2025):
Auswirkungen der Nutzung Erneuerbarer Energien auf den Wasserhaushalt
Texte Umweltbundesamt 64/2025
Umweltbundesamt, Dessau-Roßlau, 228 S.
1213. Köpke, R., Koppernock, M., Norris, L., **Bonn, A.** (2025):
What if...? A transdisciplinary discourse on the future of healthy, Green Cities.
Documentation of the project and exhibition, 2024
Zenodo
123 pp.
[10.5281/zenodo.13347283](https://doi.org/10.5281/zenodo.13347283)
1214. Lenti, A., Kelemen, E., Czett, K., **Klusmann, C.,** Pataki, G. (2025):
Connecting biodiversity knowledge and decision-making. D1.1 Typology of challenges
that hinder the implementation of BDS 2030
Zenodo
[10.5281/zenodo.7685651](https://doi.org/10.5281/zenodo.7685651)
1215. **Matzner, N., Otto, D., Polzin, C., Hauck, J., Förster, J.,** Wollnik, R., **Siedschlag, D., Thrän, D.** (2025):
Bisher mehr Hürden als Chancen für bio-CDR: Berichte aus Stakeholder-Workshops zu
biomassebasiertem Carbon Dioxide Removal (CDR)
UFZ Discussion Papers 1/2025
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 23 S.

1216. Meyer, P.B., **Sushchenko, O., Schwarze, R.** (2025):
Climate change, cities, and insurance
Columbia University Press, New York, NY, 12 pp.
[10.7916/bzcs-zx28](https://doi.org/10.7916/bzcs-zx28)
1217. **Moeller, L., Ziehlke, M., Trabitzsch, R.,** Richter, A. (2025):
Leipziger Gründächer pflegen, erhalten und optimieren: Eine Praxisanleitung für
Gründachbesitzende und Interessierte
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig ; Stadt Leipzig, Amt für
Umweltschutz, 45 S.
1218. Praprotnik Kastelic, J., Banovec, P., Cilenšek, A., Cvejić, R., Farkas, C.,
Krzeminska, D., Nesheim, I., **Strauch, M.,** Szulecka, J., Škerjanec, M., **Volk, M.,**
Witing, F., Glavan, M. (2025):
Guidelines for optimal implementation of NSWRM and their combinations in the specific
European biogeographical region of interest (Pannonian, Continental, Boreal) across
various agroecosystems, terrain, soil, climatic conditions. Deliverable D6.3 of the EU
Horizon 2020 project OPTAIN
Zenodo
124 pp.
[10.5281/zenodo.17897094](https://doi.org/10.5281/zenodo.17897094)
1219. Puglisi, G., Bailo, D., Peters-von Gehlen, K., **Bumberger, J.,** Steenbek, J., Lange, O.,
Bonforte, A., Sieck, K., Cervone, L., Krijger, T., Sanchez Macias, J.L., Thiemann, H.,
Benincasa, F., Garavelli, S., Hof, C., Clea Lumina, D., Endresen, D., Hugo, W. (2025):
A Framework for Data Readiness (DaReFF)
Zenodo
8 pp.
[10.5281/zenodo.15186741](https://doi.org/10.5281/zenodo.15186741)
1220. **Reemtsma, T., Rupp, J.,** Guckert, M., Nödler, K., Nürnberg, G. (2025):
How rapidly do per- and polyfluoroalkyl substances (PFAS) accumulate in different
environmental compartments?
Texte Umweltbundesamt 88/2025
Umweltbundesamt, Dessau-Roßlau, 210 pp.

1221. Sakschewski, B., Caesar, L., Andersen, L.S., Bechthold, M., Bergfeld, L., Beusen, A., Billing, M., Bodirsky, B.L., Botsyun, S., Dennis, D.P., Donges, J.F., Dou, X., Eriksson, A., Fetzer, I., Gerten, D., Häyhä, T., Hebden, S., Heckmann, T., Heilemann, A., Huiskamp, W., **Jahnke, A.**, Kaiser, J., Kitzmann, N.H., Krönke, J., **Kühnel, D.**, Laureanti, N.C., Li, C., Liu, Z., Loriani, S., Ludescher, J., Mathesius, S., Norström, A., Otto, F., Paolucci, A., Pokhotelov, D., Shahi, K.R., Raju, E., Rostami, M., Schaphoff, S., **Schmidt, C.**, Steinert, N.J., Stenzel, F., Virkki, V., **Wendt-Potthoff, K.**, Wunderling, N., Rockström, J. (2025): Planetary Health Check 2025: A scientific assessment of the state of the planet. Executive summary
Potsdam-Institut für Klimafolgenforschung e.V. (PIK) / Potsdam Institute for Climate Impact Research e.V., Potsdam, 13 pp.
[10.48485/pik.2025.017](https://doi.org/10.48485/pik.2025.017)
1222. Steffens, L., Giese, B., Morrison, M., Tobin de Fuentes, L., Afanou, A.K., Kokalj, A.J., **Kühnel, D.**, Reuther, R. (2025):
PlasticsFatE 3rd Policy Brief - Health effects of micro- and nanoplastics
Zenodo
6 pp.
[10.5281/zenodo.15119466](https://doi.org/10.5281/zenodo.15119466)
1223. Steffens, L., Giese, B., Morrison, M., Tobin de Fuentes, L., Kokalj, A.J., **Kühnel, D.**, Afanou, A.K., Reuther, R. (2025):
PlasticsFatE 4th Policy Brief: The need for predictive risk assessment for plastics to support safe and sustainable by design
Zenodo
4 pp.
[10.5281/zenodo.15119540](https://doi.org/10.5281/zenodo.15119540)
1224. Steffens, L., Giese, B., Morrison, M., Tobin de Fuentes, L., Ramsperger, A., Kokalj, A.J., **Kühnel, D.**, Peijnenburg, W., Reuther, R. (2025):
PlasticsFatE 2nd Policy Brief - Human exposure to micro- and nanoplastics
Zenodo
5 pp.
[10.5281/zenodo.15119349](https://doi.org/10.5281/zenodo.15119349)
1225. Stupak, N., Augustin, L., Baumann, T., Broda, S., Busciacco, F.M., Ebers, N., Fricke, E., Frühauf, C., Grauthoff, J., Gronimus, S., Heßdörfer, D., **Klickermann, F.**, Ostermann, U., Rubo, S., Söder, M., Weinheimer, S., Zinkernagel, J. (2025):
Herausforderung Wasserverfügbarkeit und Anpassungsoptionen im Gartenbau:
Tagungsband zur Tagung am 18./19.06.2024 in Berlin
Thünen Working Paper 269
Johann Heinrich von Thünen-Institut, Braunschweig, 39 S.
[10.3220/253-2025-45](https://doi.org/10.3220/253-2025-45)

1226. van Swaay, C., Schmucki, R., Roy, D., Dennis, E., Collins, S., Fox, R., Kolev, Z.D., G. Sevilleja, C., Warren, M.S., Whitfield, A., Wynhoff, I., Arnberg, H.J.H., Balalaikins, M., Barea, J.M., Boe, A.M.B., Bonelli, S., Botham, M.S., Bourn, N.A.D., Cancela, J.P., Caritg, R., Dapporto, L., Ducry, A., Dušej, G., De Flores, M., Dopagne, C., Escobés, R., Eskildsen, A.E., Zdenek, F.F., Fernández-García, J.M., Fontaine, B., Glogovčan, P., Gohli, J., Gracianteparaluceta, A., Grill, A., **Harpke, A.**, Harrower, C., Heliölä, J., Hoyer, T.T., Judge, M., Kati, V., Krenn, H.W., **Kühn, E.**, Kuussaari, M., Lang, A., Lehner, D., Lysaght, L., Maes, D., McGowan, D., Melero, Y., Mestdagh, X., Middlebrook, I., Monasterio, Y., Monteiro, E., Montes, A., Munguira, M.L., **Musche, M.**, Olivares, F.J., Ozden, O., Pladevall, C., Pavličko, A., Pettersson, L.B., Rakosy, L., Roth, T., Rüdissler, J., Šašić, M., Scalercio, S., Schönwälder, M., **Settele, J.**, Sielezniew, I., Sielezniew, M., Sobczyk-Moran, G., Stefanescu, C., Švitra, G., Svabafalvi, A., Tiitsaar, A., Titeux, N., Tzirkalli, E., Tzortzakaki, O., Ubach, A., Vičiuviene, E., Vray, S., Zografou, K. (2025): EU Grassland Butterfly Index 1991-2023 Technical report
Zenodo
[10.5281/zenodo.16367397](https://zenodo.org/record/16367397)
1227. **Wittekind, C., Strauch, M., Witing, F.** (2025):
Post-processing & interactive visualisation of optimisation results. Deliverable D5.2 of the EU Horizon 2020 project OPTAIN
Zenodo
74 pp.
[10.5281/zenodo.15043865](https://zenodo.org/record/15043865)
1228. **Zahn, D., Scheller, A., Reemtsma, T.** (2025):
Analysis of polyquaternium compounds in environmental samples through non-target screening
Texte Umweltbundesamt 59/2025
Umweltbundesamt, Dessau-Roßlau, 37 pp.
[10.60810/openumwelt-7742](https://openumwelt-7742)
1229. **Zeug, W., Mirutko, A., Uppal, A., Bezama, A.** (2025):
Handlungsfelder und Maßnahmen aus Kreislaufwirtschaft und nachhaltiger Bioökonomie für Klimaschutz in Sachsen-Anhalt: Fallstudien zu Baustoffen, Ernährung und Bioraffinerien
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 51 S.
1230. **Zeug, W., Zinke, C., Jordan, M., Thrän, D.** (2025):
Monitoring Bioökonomie: SYMOBIO 2.0 - Konsolidierung des Systemischen Monitorings und der Modellierung der Bioökonomie - WP 7.1, 7.2 & 1.4
RENATE
178 pp.
[10.34657/25691](https://zenodo.org/record/25691)

1231. **Zinke, C., Karr, S.M., Zeug, W., Thrän, D., Bezama, A. (2025):**
A guide to applying life cycle assessment tools to prospective technologies at the UFZ
UFZ Discussion Papers 3
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 32 pp.

Berichterausgaben

1232. Bussmann, I., Achterberg, E., Brix, H., **Kamjunke, N.**, Raupers, B., Sanders, T. (eds., 2025):
The MOSES Sternfahrt Expeditions of the Research Vessels LITTORINA, LUDWIG PRANDTL and MYA II to the Elbe River, Elbe Estuary and German Bight in 2024
Berichte zur Polar- und Meeresforschung. Reports on polar and marine research 804
Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, 63 pp.
[10.57738/BzPM_0804_2025](https://doi.org/10.57738/BzPM_0804_2025)
1233. Sakschewski, B., Caesar, L., Andersen, L.S., Bechthold, M., Bergfeld, L., Beusen, A., Billing, M., Bodirsky, B.L., Botsyun, S., Dennis, D.P., Donges, J.F., Dou, X., Eriksson, A., Fetzer, I., Gerten, D., Häyhä, T., Hebden, S., Heckmann, T., Heilemann, A., Huiskamp, W., **Jahnke, A.**, Kaiser, J., Kitzmann, N.H., Krönke, J., **Kühnel, D.**, Laureanti, N.C., Li, C., Liu, Z., Loriani, S., Ludescher, J., Mathesius, S., Norström, A., Otto, F., Paolucci, A., Pokhotelov, D., Shahi, K.R., Raju, E., Rostami, M., Schaphoff, S., **Schmidt, C.**, Steinert, N.J., Stenzel, F., Virkki, V., **Wendt-Potthoff, K.**, Wunderling, N., Rockström, J. (eds., 2025):
Planetary Health Check 2025: A scientific assessment of the state of the planet
Potsdam-Institut für Klimafolgenforschung e.V. (PIK) / Potsdam Institute for Climate Impact Research e.V., Potsdam, 141 pp.
[10.48485/pik.2025.017](https://doi.org/10.48485/pik.2025.017)

Berichtartikel

1234. Sakschewski, B., Heilemann, A., Paolucci, A., Kaiser, J., Gerten, D., **Jahnke, A., Schmidt, C.** (2025):
Interactions of planetary boundaries
Planetary Health Check 2025: A scientific assessment of the state of the planet
Potsdam-Institut für Klimafolgenforschung e.V. (PIK) / Potsdam Institute for Climate Impact Research e.V., Potsdam, p. 48 - 53
[10.48485/pik.2025.017](https://doi.org/10.48485/pik.2025.017)
1235. **Schmidt, C., Kühnel, D., Jahnke, A., Wendt-Potthoff, K.** (2025):
Introduction of novel entities
Planetary Health Check 2025: A scientific assessment of the state of the planet
Potsdam-Institut für Klimafolgenforschung e.V. (PIK) / Potsdam Institute for Climate Impact Research e.V., Potsdam, p. 122 - 125
[10.48485/pik.2025.017](https://doi.org/10.48485/pik.2025.017)
1236. **Thrän, D.,** Lange, N., Nevander, M., Schipfer, F., Hennig, C., Kanto, T., Kiel, J., Schildhauer, T., Anderson, K. (2025):
Flexible Bioenergy - Enabler for energy transition for zero emission energy systems
IEA Bioenergy Annual Report 2024
IEA Bioenergy, San Casciano in Val di Pesa, p. 17 - 30

Tagungsbandherausgaben

1237. **Nikolausz, M., Kleinsteuber, S.** (eds., 2025):
e-Book of Abstracts, 13th International Symposium on Anaerobic Microbiology
ISAM2025
118 pp.
[10.5281/zenodo.17589045](https://zenodo.org/doi/10.5281/zenodo.17589045)

Tagungsbeiträge

1238. **Bachelder, J., Kaesler, J.M., Muehe, E.M.** (2025):
The effect of future change conditions on metal concentrations in wheat crops
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-11007
[10.5194/egusphere-egu25-11007](https://doi.org/10.5194/egusphere-egu25-11007)
1239. Backes, R., Schindler, H., Hennig, C., **Jordan, M., Lehneis, R.**, Arnold, K. (2025):
Flexibler Einsatz von Biomasse
In: Reuter, A., Mackensen, R. (Hrsg.)
Die Energiewende mit Forschung beschleunigen. Beiträge zur FVEE-Jahrestagung 2024, Berlin, 08-09 October 2024
FVEE-Themen 2024
ForschungsVerbund Erneuerbare Energien (FVEE), Berlin, 54 - 57
[10.5442/t2024](https://doi.org/10.5442/t2024)
1240. **Dörnbrack, M., Weiß, H., Shao, H.** (2025):
Models for the experiment design of a combined ATES and remediation pilot plant in an urban environment
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-5675
[10.5194/egusphere-egu25-5675](https://doi.org/10.5194/egusphere-egu25-5675)
1241. Hauser, E., Müller-Langer, F., del Carmen Granford-Ruiz, D., Pfennig, M., Zink, C., **Zeug, W.**, Scholz, A. (2025):
Schaffung von Grundlagen einer nachhaltigen Produktion von grünem Wasserstoff und dessen Folgeprodukten in ausgewählten Exportländern
In: Reuter, A., Mackensen, R. (Hrsg.)
Die Energiewende mit Forschung beschleunigen. Beiträge zur FVEE-Jahrestagung 2024, Berlin, 08-09 October 2024
FVEE-Themen 2024
ForschungsVerbund Erneuerbare Energien (FVEE), Berlin, 30 - 35
[10.5442/t2024](https://doi.org/10.5442/t2024)
1242. **Hempel, H.** (2025):
Aligning sustainability and competitiveness: A science-policy exploration of REACH revision debates
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-4484
[10.5194/egusphere-egu25-4484](https://doi.org/10.5194/egusphere-egu25-4484)

1243. **Kholis, A., Kalbacher, T., Boeing, F., Cuntz, M., Samaniego, L.** (2025):
1-D Richards equation or infiltration capacity approaches? A comparative assessment in mesoscale hydrologic modelling across 201 German basins
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-7161
[10.5194/egusphere-egu25-7161](https://doi.org/10.5194/egusphere-egu25-7161)
1244. **Klassert, C., Heilemann, J., Werner, S., Nagpal, M., Digman, E., Klauer, B., Gawel, E.** (2025):
Rural-urban water scarcity risks in historically water-abundant regions: The role of intensifying human-natural systems variability
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-18310
[10.5194/egusphere-egu25-18310](https://doi.org/10.5194/egusphere-egu25-18310)
1245. **Korte, K., Strauss, V., Gawel, E., Markus, T., Paul, C., Schaller, R.** (2025):
Policies to incentivise the efficient use of CDR in agriculture: Economic assessment and stakeholder perception of policy instrument strategies
In: Lutz, N., Smith, S.M. (eds.)
3rd International Conference on Negative CO₂ Emissions Conference Proceedings
University of Oxford, Oxford, 45 - 46
[10.5287/ora-01yjzd6vx](https://doi.org/10.5287/ora-01yjzd6vx)
1246. **Lehmann, C., Bilke, L., Graebing, N., Heinze, J., Meisel, T., Naumov, D., Sen, Ö.O., Kolditz, O.** (2025):
Software products from the OpenWorkFlow project
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-15544
[10.5194/egusphere-egu25-15544](https://doi.org/10.5194/egusphere-egu25-15544)
1247. **Lehmann, P., Reutter, F., Lehneis, R., Vallapurackal, J.** (2025):
Feasibility and trade-offs of spatially equitable renewable energy deployment
30th Annual Conference EAERE 2025
1248. **Miersch, P., Dunkl, I., Sippel, S., Zscheischler, J.** (2025):
Attributing floods to anthropogenic climate change using a hydrological model forced with climate simulations under nudged atmospheric circulation
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-9238
[10.5194/egusphere-egu25-9238](https://doi.org/10.5194/egusphere-egu25-9238)

1249. **Moeller, L., Wollschläger, N.,** Blumberg, M., **Bernhard, K., Trabitzsch, R.,** Otto, P. (2025):
Sumpfpflanzendach - ein Alleskönner
Aqua Urbanica 2025, 21.-23.09.2025, Rapperswil. Urbanes Regenwasser bewirtschaften: Herausforderungen – Lösungen – Visionen
Scientific Board der Aqua Urbanica, Graz, V15-1 - V15-6
[/10.3217/j2dix-d1f52](#)
1250. **Nagpal, M., Heilemann, J., Klassert, C., Bevacqua, E., Rakovec, O., Samaniego, L., Klauer, B., Gawel, E.** (2025):
Attribution of observed impacts of climate change on crop yields and economic damages from extreme weather events
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-19155
[10.5194/egusphere-egu25-19155](#)
1251. **Ohnemus, T., Mirtl, M.** (2025):
Learning from the European experiences: Representativity on a global level
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-13041
[10.5194/egusphere-egu25-13041](#)
1252. **Ohnemus, T., Paasch, S., Mollenhauer, H.** (2025):
Spring phenology models for temperate apple cultivars
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-5852
[10.5194/egusphere-egu25-5852](#)
1253. Peterson, L., **Forootani, A.,** Sanchez Medina, E.I., Godea, I.V., Benner, P., Sundmacher, K. (2025):
Digital Twin model development for catalytic CO₂ methanation
2025 AIChE Annual Meeting, USA, Boston, MA, 02-06 November 2025
1254. Petrova, E., **Selzer, P.,** Kranz, S., Zeilfelder, S., Hebig, K.H., Machida, I., Marui, A., Blöcher, G., Scheytt, T. (2025):
Surrogate model supported optimization of a multitracer push-pull test in Horonobe aquifer (Japan) under parametric uncertainty
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-5774
[10.5194/egusphere-egu25-5774](#)

1255. Scheller, F., **Thrän, D.**, Hildebrand, J., Rösch, C., Püttner, A. (2025):
Akzeptanz beschleunigt, Gesetze auch: Lenkt die Akzeptanzforschung überhaupt die Gesetze der Energiewende?
In: Reuter, A., Mackensen, R. (Hrsg.)
Die Energiewende mit Forschung beschleunigen. Beiträge zur FVEE-Jahrestagung 2024, Berlin, 08-09 October 2024
FVEE-Themen 2024
ForschungsVerbund Erneuerbare Energien (FVEE), Berlin, 22 - 29
[10.5442/t2024](#)
1256. **Selzer, P., Zill, F.**, Silbermann, C., **Shao, H., Kolditz, O.** (2025):
Accurate and consistent Lagrangian transport simulations for finite-element-models of thermo-hydro-mechanical processes in porous media
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-13190
[10.5194/egusphere-egu25-13190](#)
1257. **Shrestha, P.K., Kumar, R., Mueller, S., Thober, S., Attinger, S., Samaniego, L.** (2025):
Source or Sink? Thermal inflow to global reservoirs and lakes at 1 km
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-13249
[10.5194/egusphere-egu25-13249](#)
1258. **Soares, L.M.V., Fernandes, T.**, Silva, T.F.G., do Carmo Calijuri, M. (2025):
Connected reservoirs: modelling aquatic ecosystems along a cascade system in Brazil
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-14268
[10.5194/egusphere-egu25-14268](#)
1259. Streib, G., Büttner, B., Engelmann, P., Gapp-Schmeling, K., Grashof, K., **Hüesker, F.** (2025):
Wärmewende und energetische Sanierung im Quartier
In: Reuter, A., Mackensen, R. (Hrsg.)
Die Energiewende mit Forschung beschleunigen. Beiträge zur FVEE-Jahrestagung 2024, Berlin, 08-09 October 2024
FVEE-Themen 2024
ForschungsVerbund Erneuerbare Energien (FVEE), Berlin, 77 - 80
[10.5442/t2024](#)

1260. Tönjes, A., Samadi, S., Szarka, N., Rau, B., **Jordan, M.** (2025):
Klimaschutz-Szenarien versus Realität: Wo ist Beschleunigung notwendig und wie kann sie gelingen?
In: Reuter, A., Mackensen, R. (Hrsg.)
Die Energiewende mit Forschung beschleunigen. Beiträge zur FVEE-Jahrestagung 2024, Berlin, 08-09 October 2024
FVEE-Themen 2024
ForschungsVerbund Erneuerbare Energien (FVEE), Berlin, 40 - 44
[10.5442/t2024](#)
1261. **Werner, S., Heilemann, J., Klassert, C., Nagpal, M., Klauer, B., Gawel, E.** (2025):
Simulating irrigation demand under climate change applying a high-resolution hydro-economic Multi-Agent-System model in Thuringia
EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025
EGUsphere
Copernicus Publications, EGU25-11792
[10.5194/egusphere-egu25-11792](#)

Preprints

1262. **Afzal, M.X., Bonatelli, M.L., Kleinstеuber, S., Sträuber, H., Baleeiro, F.C.F.** (2025):
Reduced carbon emissions and chain elongation during mixotrophic fermentation of a biomass feedstock
bioRxiv
[10.1101/2025.10.16.682809](https://doi.org/10.1101/2025.10.16.682809)
1263. Anand, G., Fleming, C.H., Krishnan, A.G., Lamb, C.L., Medici, E.P., Prugh, L.R., **Calabrese, J.M.**, Fagan, W.F. (2025):
Estimating population range distributions from animal tracking data
bioRxiv
[10.1101/2025.09.02.673746](https://doi.org/10.1101/2025.09.02.673746)
1264. **Anochirim, M.T.**, Grainger, M., Stewart, G., **Takola, E.** (2025):
The implementation of network meta-analysis in Ecology; a case study using crop yield data
EcoEvoRxiv
[10.32942/X2JH0R](https://doi.org/10.32942/X2JH0R)
1265. Cai, L., Weigelt, P., Kreft, H., Bruehlheide, H., Davis, A.J.S., Dawson, W., Essl, F., van Kleunen, M., **Kühn, I.**, Lenzner, B., Pergl, J., Pyšek, P., Pelsler, P.B., Wieringa, J.J., Winter, M. (2025):
Global disruption of plant biogeography by non-native species
bioRxiv
[10.1101/2025.10.29.685360](https://doi.org/10.1101/2025.10.29.685360)
1266. Chao, A., Colwell, R.K., Shia, J., Thorn, S., Yang, M.-Y., Mitesser, O., Huang, Y.-T., Kortmann, M., Mori, A.S., Delory, B.M., Fichtner, A., Huang, Y., **Roscher, C.**, Schmid, B., Eisenhauer, N., Mueller, J. (2025):
A continuum of information-based temporal stability measures and their decomposition across hierarchical levels
bioRxiv
[10.1101/2025.08.20.671203](https://doi.org/10.1101/2025.08.20.671203)
1267. Chowdhury, S., Aich, U., Antão, L., **Oh, R.R.Y.**, Pettersson, L.B., **Settele, J.**, Sidemo-Holm, W., **Bonn, A.**, **Pe'er, G.**, Lenoir, J., et al. (2025):
Extensive climate-induced range shifts in butterflies across the globe
EcoEvoRxiv
[10.32942/X2FH2K](https://doi.org/10.32942/X2FH2K)

1268. Creusot, N., Tison-Rosebery, J., Hubas, C., Marie, B., Allen, J., Artigas, J., Colas, S., Corcoll, N., Doose, C., Eon, M., Jousse, C., Le Faucheur, S., Proia, L., **Schmitt-Jansen, M.**, Morin, S. (2025):
How metabolites and metabolism in aquatic biofilms reveal ecological responses to global change and their interactions
HAL
1269. Dhandapani, S., **McNeil, T.**, Lu, B., Booth, O., Corbett, L., Lunn, J., Nightingale, A., Niu, X., Roose, T., John, J., Lin, H., Adekanbi, A.A., Shaw, L.J. (2025):
Forest biogeochemical monitoring indicates altered microbial communities, macronutrient availability, CO₂ emissions and litter chemistry in root zone soil of oak trees with Acute Decline symptoms
bioRxiv
[10.1101/2025.04.22.650028](https://doi.org/10.1101/2025.04.22.650028)
1270. Dharmasthala, S., Hari, V., **Kumar, R.** (2025):
Undulating patterns of Hysteresis loops in diurnal seasonality of air temperature in Urban Heat Island effect: Insights from Paris and Madrid
arXiv
[10.48550/arXiv.2507.13075](https://arxiv.org/abs/10.48550/arXiv.2507.13075)
1271. **Ejikeugwu, C.P.**, Edeh, C., Nwakaeze, E.A., Adikwu, M.U., Torres, C., Creevey, C.J., Eze, P.M. (2025):
Whole-genome sequencing uncovers chromosomal and plasmid-borne multidrug resistance and virulence genes in poultry-associated *Escherichia coli* from Nigeria
bioRxiv
[10.1101/2025.09.18.677015](https://doi.org/10.1101/2025.09.18.677015)
1272. Feldl, M., **Abbaszade, G.**, **Schattenberg, F.**, **Stückrath, K.**, **Müller, S.**, Müller, C.L. (2025):
biscot: an Optimal Transport framework for multimodal bacterial single-cell data analysis
bioRxiv
[10.1101/2025.03.28.645895](https://doi.org/10.1101/2025.03.28.645895)
1273. Fischer, F.J., Morgan, B., Jackson, T., Chave, J., Coomes, D., Cushman, K.C., **Huth, A.**, Kedrov, A., et al. (2025):
The Global Canopy Atlas: analysis-ready maps of 3D structure for the world's woody ecosystems
bioRxiv
[10.1101/2025.08.31.673375](https://doi.org/10.1101/2025.08.31.673375)

1274. Florentino, B.R., Bonidia, R.P., **Nunes da Rocha, U.**, de Carvalho, A.C.P.L.F. (2025):
BioPrediction-PPI: Simplifying the prediction of protein-protein actions through artificial intelligence
bioRxiv
[10.1101/2025.11.16.688401](https://doi.org/10.1101/2025.11.16.688401)
1275. **Forootani, A.** (2025):
A survey on mathematical reasoning and optimization with large language models
arXiv
[10.48550/arXiv.2503.17726](https://arxiv.org/abs/10.48550/arXiv.2503.17726)
1276. Friebel, L., Knepper, J.-P., Becker, N.S., **Abbaszade, G., Stückrath, K., Müller, S., Dreisewerd, K., Mascher, T.** (2025):
Cannibalism shapes biofilm structure and composition in *Bacillus subtilis*
bioRxiv
[10.1101/2025.03.21.644447](https://doi.org/10.1101/2025.03.21.644447)
1277. Gerling, C., Cord, A.F., **Drechsler, M.**, Hölting, L., Markova-Nenova, N., Ogawa, R., Sturm, A., Wendler, J., Wätzold, F. (2025):
From models to decisions: A software tool for evaluating action-and result-based conservation payments
SSRN
[10.2139/ssrn.5445054](https://ssrn.com/abstract=10.2139/ssrn.5445054)
1278. **Gutjahr, S., Thrän, D., Esmaceli Aliabadi, D.** (2025):
Tango of renewables in the triangle of uncertainty: A German case study
SSRN
[10.2139/ssrn.5434794](https://ssrn.com/abstract=10.2139/ssrn.5434794)
1279. Henneron, L., Wardle, D.A., Berg, M.P., Hättenschwiler, S., Bauhus, J., **Buscot, F., Coq, S., Decaëns, T., Fromin, N., Ganault, P., Gillespie, L.M., Goldmann, K., Matula, R., Milcu, A., Muys, B., Nahmani, J., Prada-Salcedo, L.D., Scherer-Lorenzen, M., Verheyen, K., Wambsganss, J., Kardol, P.** (2025):
Resource economics of tree communities control soil food web multifunctionality in European forests
bioRxiv
[10.1101/2025.02.19.639063](https://doi.org/10.1101/2025.02.19.639063)
1280. **Klotz, D., Miersch, P.,** do Nascimento, T.V.M., Fenicia, F., Gauch, M., **Zscheischler, J.** (2025):
EARLS: A runoff reconstruction dataset for Europe
Earth System Science Data Discussions
[10.5194/essd-2024-450](https://doi.org/10.5194/essd-2024-450)

1281. Lammers, D., **Grimm, V.**, Requier, F., Focks, A., **Groeneveld, J.** (2025):
Towards using the beehive honey bee model across climates: A heuristic approach to let egg-laying rates emerge from weather conditions, pollen storage and brood pheromones
SSRN
[10.2139/ssrn.5334581](https://ssrn.com/abstract=5334581)
1282. Lekarkar, K., Rakovec, O., **Kumar, R.**, Dondeyne, S., van Griensven, A. (2025):
Soil moisture droughts in Belgium during 2011–2020 were the worst in five decades
EGUsphere
[10.5194/egusphere-2025-4526](https://egusphere.copernicus.org/2025/4526/)
1283. Lorenz, C., Brinckmann, N., **Bumberger, J.**, Hanisch, M., **Kuhnert, T.**, Loup, U., Moorthy, R., Obsersteiner, F., **Schäfer, D.**, **Schnicke, T.** (2025):
Sensor Management System (SMS): Open-source software for FAIR sensor metadata management in Earth system sciences
arXiv
[10.48550/arXiv.2512.17280](https://arxiv.org/abs/2512.17280)
1284. Medina-van Berkum, P., **Albracht, C.**, Bröcher, M., Solbach, M.D., Stein, G., Bonkowski, M., **Buscot, F.**, Heintz-Buschart, A., Ebeling, A., Eisenhauer, N., El-Madany, T.S., Huang, Y., Kuebler, K., Meyer, S.T., Gershenson, J., Unsicker, S.B. (2025):
Plant diversity shapes plant volatile emission differently at the species and community level
bioRxiv
[10.1101/2025.04.30.651392](https://doi.org/10.1101/2025.04.30.651392)
1285. Nasr, E., Pechlivanis, N., Strepis, N., Amato, P., **Bernt, M.**, Bhardwaj, A., Blankenberg, D., Brites, D., Cumbo, F., Do, K.T., Ferrari, E., Griffin, T.J., Grüning, B., Hiltemann, S., Hyde, C.J., Jagtap, P., Mehta, S., Métris, K.L., Momin, S., Nelson, T.M., Oba, A., Pavloudi, C., Péguilhan, R., Price, G.R., Psomopoulos, F., Rosic, N., Schatz, M.C., Schiml, V.C., Siguret, C., Soranzo, N., Stubbs, A., van Heusden, P., Vohra, M., microGalaxy Community, Zierep, P., Batut, B. (2025):
Microbiology Galaxy Lab: The first community-driven gateway for reproducible and FAIR analysis of microbial data
bioRxiv
[10.1101/2024.12.23.629682](https://doi.org/10.1101/2024.12.23.629682)
1286. **Pieńkowska, A.**, **Glöckle, A.**, **Sánchez, N.**, **Khadela, S.**, **Richter, P.-G.**, **Merbach, I.**, **Herzberg, M.**, Kilian, J., **Prada Salcedo, L.D.**, Reitz, T., **Muehe, E.M.** (2025):
Climate change increases toxic cadmium loads more than nutritional metals in spinach
Research Square
[10.21203/rs.3.rs-5947512/v1](https://doi.org/10.21203/rs.3.rs-5947512/v1)

1287. Reis, F., Lutap, K., Jung, J.H., **Roeder, A., Roscher, C., Durka, W.**, Kemen, E., Bossdorf, O. (2025):
Plant age and genotype explain variation in the microbiome of natural *Lotus corniculatus* populations
bioRxiv
[10.1101/2025.05.02.651871](https://doi.org/10.1101/2025.05.02.651871)
1288. Sakhalkar, S.P., Blüthgen, N., Burkle, L.A., CaraDonna, P., Dalsgaard, B., Dormann, C.F., Kaiser-Bunbury, C.N., **Knight, T.M.**, Ollerton, J., et al. (2025):
Climate-driven specialisation in plant–pollinator networks peaks outside the tropics
bioRxiv
[10.1101/2025.10.08.680666](https://doi.org/10.1101/2025.10.08.680666)
1289. **Saraiva, J.P., Borim Corrêa, F., Bernt, M., Ghanem, N.**, Nieto, E., Brizola Toscan, R., **Wick, L.Y., Chatzinotas, A.** (2025):
PHI: Prophage-Host Interaction toolkit for automated prediction and comprehensive profiling of prophages and their hosts via Galaxy
bioRxiv
[10.64898/2025.12.02.691814](https://doi.org/10.64898/2025.12.02.691814)
1290. Scheibe, P., **Schor, J.** (2025):
AI-driven science communication: Leveraging LLMs and knowledge graphs for seamless knowledge exchange
bioRxiv
[10.1101/2025.07.04.663152](https://doi.org/10.1101/2025.07.04.663152)
1291. Schulze, W.X., Schulze, E.D., Reiß, S., Rischke, R., Bouriaud, O., Büdel, B., Straub, T., Pillai, E., Tanunchai, B., **Purahong, W.**, Simm, S., Noll, M. (2025):
Diversity of stomatal and cuticular structures affect microbial colonization in temperate forest tree species
bioRxiv
[10.64898/2025.12.01.691630](https://doi.org/10.64898/2025.12.01.691630)
1292. Schunck, F., **Busch, W.**, Focks, A. (2025):
Hierarchical approaches for integrating sparse, multivariate toxicological effect data in whole organism molecular dynamics models
bioRxiv
[10.1101/2025.05.09.652942](https://doi.org/10.1101/2025.05.09.652942)
1293. Sharma, B., Cigan, M., **Schädler, M.**, Azarbad, H. (2025):
Soil microbial legacies and cultivar compatibility modulate the responses of wheat to drought
bioRxiv
[10.1101/2025.09.29.679177](https://doi.org/10.1101/2025.09.29.679177)

1294. Silva, I., Fleming, C.H., Noonan, M.J., Fagan, W.F., **Calabrese, J.M.** (2025):
Too few, too many, or just right? Optimizing sample sizes for population-level inferences
in animal tracking projects
bioRxiv
[10.1101/2025.07.30.667390](https://doi.org/10.1101/2025.07.30.667390)
1295. Skerker, J., **Klassert, C.**, Francois, B., Verma, A., Brown, C., Fletcher, S. (2025):
Climate change threatens urban water affordability
Research Square
[10.21203/rs.3.rs-6430782/v1](https://doi.org/10.21203/rs.3.rs-6430782/v1)
1296. Szabó, Á.C.T., **Esmaceli Aliabadi, D.**, **Thrän, D.** (2025):
Investigating the bioenergy potential in achieving the energy and climate targets of
Hungary: An optimisation approach
SSRN
[10.2139/ssrn.5128005](https://doi.org/10.2139/ssrn.5128005)
1297. Taillefer, B., **Schattenberg, F.**, Doan, T., **Müller, S.**, Cascales, E. (2025):
Type VI secretion phenotypic heterogeneity ensures trade-off between antibacterial
activity and resistance in Enteroaggregative *E. coli*
bioRxiv
[10.1101/2025.02.11.637775](https://doi.org/10.1101/2025.02.11.637775)
1298. **Takola, E.**, **Korell, L.**, **Beckmann, M.**, Bonfanti, J., **Reitz, T.**, Tamburini, G. (2025):
Does sustainable agriculture promote biodiversity and yield? A second-order
meta-analysis
EcoEvoRxiv
[10.32942/X25620](https://doi.org/10.32942/X25620)
1299. Torres-Montagner, L., Schuiteman, A., Bennett, J.M., **Knight, T.**, Rakosy, D., Fay, M.F.,
Stevenson, P.C., Martel, C. (2025):
Two hundred years of changes in orchid pollination revealed using herbarium specimens
bioRxiv
[10.64898/2025.12.05.692704](https://doi.org/10.64898/2025.12.05.692704)
1300. **Trabert, T.**, Brockfeld, E., Sohr, A., Krellenberg, K., Bei, X., Dalaff, C., **Houben, T.**,
Bumberger, J. (2025):
Urban digital twin for environmentally sensitive and people-centered mobility planning:
conceptual framework and application in pilot region Leipzig
SSRN
[10.2139/ssrn.5280496](https://doi.org/10.2139/ssrn.5280496)

1301. **Wu, M., Roscher, C., Schädler, M., Tarkka, M., Vetterlein, D., Schlueter, S.** (2025):
Legacy effects of climate extremes on deep soil water storage and water use efficiency
across different land-use systems
Research Square
[10.21203/rs.3.rs-7062058/v1](https://doi.org/10.21203/rs.3.rs-7062058/v1)
1302. **Yao, N., Ma, Y., Wang, B., Li, X., Schlink, U., Ma, S., Peng, J.** (2025):
Surface heating over Asian plateaus outpaces oceanic anomalies in modulating China's
interdecadal rainfall patterns
SSRN
[10.2139/ssrn.5336675](https://doi.org/10.2139/ssrn.5336675)
1303. Zografou, K., Knop, E., Sewall, B.J., Adamidis, G.C., **Schweiger, O.**, Semertzidis, T.,
Stalidis, P., De Moraes, C.M., Mescher, M.C., Whitaker, M.R.L., Greeff, M.,
Anagnostellis, K.M., Brokaki, M., Kaltsouni, E., Dimaki, M., Kati, V. (2025):
Butterflies are shrinking: Evidence from the past century
bioRxiv
[10.1101/2025.02.05.636603](https://doi.org/10.1101/2025.02.05.636603)
1304. Zografou, K., Knop, E., Sewall, B.J., **Schweiger, O.**, De Moraes, C.M., Whitaker,
M.R.L., Kati, V. (2025):
Butterfly body size shrinkage: the impact of ecological traits across varied environments
bioRxiv
[10.1101/2025.02.06.636804](https://doi.org/10.1101/2025.02.06.636804)

UFZ-Autorenregister

A

Abbaszade, G.	2, 221, 466, 1272, 1276
Abbrent, M.	111
Abdelsamad, A.M.A.	3
Addo, G.G.	460
Adrian, L.	7, 236, 423, 438, 782, 895, 977, 988
Afzal, M.X.	1262
Ague, S.K.d.L.	9
Agyekum, M.K.	10, 11
Ahlheim, J.	65, 937
Ahmadi, P.	943
Ajugwo, G.C.	785
Akay, C.	315, 508
Akhter, M.T.	846
Albert, C.	1144
Albracht, C.	13, 53, 343, 524, 1284
Aldehoff, A.S.	14, 15, 278, 451, 703
Altdorff, D.	231, 903
Alvarez-Mora, I.	20, 21, 721
Amarante Colpo, R.	640
Andrzejak, M.	27, 58
Anochirim, M.T.	1264
Anuforo, P.C.	28
Apelt, B.	265
Armanu, E.G.	29, 30, 31, 479
Arnold, S.	37, 974
Aslam, M.A.	785
Attinger, S.	57, 83, 226, 231, 314, 456, 1257
Auge, H.	34, 51, 92, 94, 120, 181, 391, 414, 629, 1011
Aulhorn, S.	460, 564, 780
Aurich, A.	893
Aurich, P.	35, 82, 837
Austermeier, L.E.	36
Ayeh, D.	64
Ayuk, H.S.	37, 38
Azarian, M.	228, 807

B

Bachelder, J.	40, 763, 1238
Bade, F.	43, 1110
Bahlburg, D.	459, 855
Bai, Y.	911, 997
Baker, D.N.	46
Balda, M.	1024
Baleeiro, F.C.F.	893, 1262
Bandara, C.D.	606
Banzhaf, E.	396, 662
Bardehly, S.	1047
Bartkowski, B.	52, 91, 306, 388, 728, 1023, 1077, 1126, 1159
Bartusch, A.	852, 853
Basso, S.	178
Batool, M.	56, 57
Bauckholt, M.	322
Bauer, M.	37, 444, 446, 449, 738, 974
Baumann, L.M.	380
Beckmann, M.	497, 880, 1298
Beihsner, J.	1024
Ben-Salem, N.	744
Berger, U.	195, 750
Berghöfer, A.	448, 907, 1111, 1112, 1127, 1182, 1183

UFZ-Autorenregister

Berghöfer, U.	1108, 1113, 1114, 1115, 1182, 1183, 1184
Bernhard, K.	104, 583, 584, 692, 1118, 1168, 1249
Bernt, M.	199, 539, 1285, 1289
Berreth, H.	101
Bertoldi, S.	29, 30
Bevacqua, E.	69, 116, 227, 235, 252, 302, 556, 561, 1250
Bezama, A.	378, 720, 849, 1229, 1231
Bhansali, I.	70
Bilke, L.	73, 1246
Bin Hudari, M.S.	74, 75, 954
Birnstengel, S.	1116, 1177
Blagodatskaya, E.	140, 172, 173, 271, 326, 534, 667, 668, 763, 777, 811, 908, 928, 967, 968, 972
Blaser, S.R.G.A.	819
Böhme, A.	36, 599, 806, 823, 901, 969
Böhning-Gaese, K.	55, 128, 171, 230, 297, 973, 1144, 1159
Boehrer, B.	82, 158, 233, 256
Boeing, F.	83, 231, 419, 712, 1243
Böttcher, T.	1211
Bohn, F.J.	84, 85
Bohring, H.	539, 564
Bolay, P.	86
Bolte, L.	88, 89, 90, 426, 473
Bonatelli, M.L.	245, 376, 1262
Bonato, M.	91
Bonn, A.	80, 144, 154, 216, 259, 274, 300, 356, 518, 628, 649, 747, 770, 896, 942, 1193, 1213, 1267
Boog, J.	365
Borchardt, D.	1, 10, 295, 296, 334, 369, 852, 853, 1029
Borchers, M.	516, 882, 883, 990
Borim Corrêa, F.	617, 923, 1289
Borsdorf, H.	543, 653, 654, 655, 752
Bortic, F.	448
Bouffaud, M.-L.	238, 689, 972, 1018
Bozan, M.	101
Braasch, J.	839
Braatz, E.	506
Brack, W.	20, 21, 42, 65, 159, 281, 308, 362, 379, 672, 787, 805, 806, 834, 866, 867, 887, 912, 937, 962
Braun, G.	33, 190, 362, 1001
Brauns, M.	10, 363, 403, 647, 771, 937
Breulmann, M.	104, 1100, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1130, 1131, 1132
Brizuela-Torres, D.	105, 106
Brock, J.	107, 732
Buchwald, J.	110, 405, 422, 730, 820, 821
Bühler, B.	86, 484, 519
Bühler, K.	101, 893
Büttner, L.	114
Büttner, N.	728
Büttner, O.	10, 149, 188, 334, 1187
Bumberger, J.	111, 182, 471, 472, 539, 564, 787, 1040, 1050, 1063, 1066, 1202, 1219, 1283, 1300
Bunzel, K.	1212
Burian, A.	91
Busch, W.	124, 539, 564, 622, 787, 841, 1292
Buscot, F.	13, 238, 373, 524, 538, 589, 685, 689, 1159, 1279, 1284
Byrne, H.A.	49, 65

C

Calabrese, J.M.	174, 224, 294, 361, 555, 1263, 1294
Calderón-Contreras, R.	560
Canzler, S.	124, 125, 475, 1028
Cardona Santos, E.M.	1019
Carmona Martínez, E.	70
Carmona, E.	129, 437, 599, 805
Castañeda-Monsalve, V.	130
Chatzinotas, A.	328, 617, 643, 701, 1289
Chen, B.	139
Chen, C.-F.	368
Chen, C.	118, 137

Chen, M.	615
Chen, W.	143, 498, 1013
Chowdhury, S.	144, 145, 628
Chukwu, E.	785
Chávez García Silva, R.	744, 1029
Chávez Morejón, M.	357, 893
Clauß, S.	479
Clayton, J.	819
Cobain, J.C.	873
Coder, L.	149, 188, 1187
Cortés-Avizanda, A.	294
Cuesta-Valero, F.J.	152

D

Dadi, T.	861
Dahley, C.	155
Dann, J.P.	159
de Brito, M.M.	52, 72, 131, 132, 164, 254, 445, 830, 1071, 1086
De Giorgi, F.	167, 524, 552
de Rooij, G.H.	168
Dega, S.	170, 637
Dehghani, F.	172, 173, 908
Deobald, D.	7, 698, 741
Despot, D.	505, 1130, 1131, 1132
Determann, M.	82, 237
Dev Roy, S.	177
Devò, P.	178
Di Lodovico, E.	959
Dienstbach, L.	693
Dietrich, D.	1064
Dietrich, P.	182, 241, 322, 637, 722, 724, 891
Digman, E.	1244
Ding, C.	423, 640, 782, 895, 1009
Dörnbrack, M.	847, 1240
Doktor, D.	374, 517, 693, 711, 712
Dominik, C.	467, 889
Dong, X.	186, 187
Dordoni, M.	188
dos Santos Argolo, A.	190
Dotzauer, M.	1089
Drabesch, S.	670, 763
Drechsler, M.	192, 193, 243, 267, 268, 269, 1070, 1277
Dreßler, G.	242
Dressler, G.	483
Dudášová, S.	195
Duncan, A.H.	197
Dunker, S.	127, 229, 358, 364, 919, 922
Durka, W.	61, 167, 199, 359, 501, 524, 552, 865, 934, 1081, 1287
Dushkova, D.	200, 201, 202, 203, 204, 205, 312, 321, 1125, 1186
Dusny, C.	503, 919

E

Ebeling, P.	206, 365, 370, 372, 614, 933
Eberlein, C.	29, 30, 31, 479
Ebert, A.	155, 207, 441
Ebert, R.-U.	901
Eberwein, M.	741
Eckstein, D.	606
Egli, L.	209, 557, 779
Ehigie, J.O.	1181
Ehme, F.	988
Ejikegwu, C.P.	212, 1271
Eliza, M.	213

UFZ-Autorenregister

Elze, S.	662, 1111, 1127
Engel, T.	144, 216, 300, 545, 708
Engelmann, B.	278, 406, 451, 635, 902
Equihua, J.A.	91
Escher, B.	42, 190, 921, 1209
Escher, B.I.	33, 44, 159, 362, 535, 549, 591, 610, 620, 626, 721, 740, 839, 965, 1001, 1047
Eskelinen, A.	142, 232, 522, 916
Esmacili Aliabadi, D.	218, 219, 220, 247, 248, 304, 305, 397, 757, 963, 971, 1128, 1203, 1278, 1296
Evers, S.M.	275, 375
Eze, O.O.	222
Eze, T.C.	222
Eziuzor, S.C.	223

F

Faikhaw, O.	225
Fan, D.	226
Fang, B.	227
Fatima, E.	231
Feilhauer, H.	374, 411, 517, 550, 551, 639, 693, 832, 940
Feldmann, R.	467, 1061, 1062, 1097
Felipe-Lucia, M.R.	154
Feng, S.	235
Fernandes, T.	237, 725, 1258
Fernandez Merayo, N.	380
Fernández, I.	238
Fest, S.	974
Finch, E.A.	649, 770
Finckh, S.	721, 805, 867, 887, 902
Fink, B.	444, 446, 449, 738, 974
Fink, P.	10, 100, 295, 296, 416, 523, 659, 771, 848, 852, 853, 937
Fischer, F.	444, 446, 449, 801, 1067
Fischer, S.	1037
Fischer, S.M.	953
Fischer, T.	73, 594
Fischer, T.G.	348
Fleckenstein, J.H.	206, 370, 943
Fleischmann, J.	670
Flinspach, L.	697
Förster, J.	1144, 1204, 1215
Forootani, A.	247, 248, 886, 1253, 1275
Foscari, A.	249, 781
Frank, K.	10, 243, 553
Frenzel, M.	109, 825, 1095
Friedrichs-Manthey, M.	216, 628, 649
Friese, K.	861, 1036, 1064
Friesen, J.	505, 583, 584, 1130, 1131, 1132
Fröhlich, L.-F.	130
Fu, Q.	130, 195, 307, 525, 526, 627, 750, 785, 974
Furtak, S.	1142, 1143
Fárez-Román, V.	229

G

Gabhrani, R.	911
Gad, M.	255, 669
Gärtner, A.A.E.	620
Gai, B.	256
Gao, S.-X.	509
García-García, A.	152, 226, 292
Gastinger, M.	779
Gawel, E.	260, 332, 476, 603, 772, 1015, 1037, 1133, 1196, 1197, 1198, 1199, 1205, 1244, 1245, 1250, 1261
Gebauer, R.	1206
Gebhardt, O.	321

Gebler, A.	13
Geers-Lucas, M.	425, 906
Gehre, M.	122, 389, 415
Geiger, C.	263, 476
Geistlinger, H.	264, 265, 1021
Geller, W.	1134, 1135
Genz, P.	802
Georgi, A.	185, 583, 758, 1024, 1039, 1069
Gerasimov, T.	601
Gey, R.	270, 1040
Geyer, S.	63
Ghaderi, N.	271, 811, 972
Ghanem, N.	606, 617, 1289
Ghosh, D.	273
Glenny, W.	467
Glöckle, A.	1286
Goblirsch, T.	543, 654
Goellner, A.	208
Goerdeler, C.	14, 278, 451
Goihl, S.	279
Goldmann, K.	13, 373, 538, 589, 689, 1279
Goldstein, S.	1200
Golivets, M.	24, 123, 257, 657, 658, 844, 1042
Goss, K.-U.	155, 207, 441
Grabowska, R.O.	595
Graeber, D.	26, 295, 296, 562, 659, 704, 852, 853
Graebling, N.	1246
Graß, R.	1048
Grasse, N.	785
Grescho, V.	144, 1095
Grimm, V.	25, 240, 243, 294, 520, 553, 694, 706, 926, 1041, 1281
Grimm-Seyfarth, A.	89, 342, 426, 737, 1046
Groeneveld, J.	294, 520, 1281
Grohmann, L.	325
Groß, M.	1043, 1137, 1138
Große, A.	295, 296
Großkopf, H.	702
Gruber, B.	1046
Gründling, R.	217, 664
Grunow, H.	209
Grunwald, N.	110
Gütschow, M.	306
Guliyev, V.	271
Guo, P.	966
Gupta, S.K.	457, 537
Gutjahr, S.	220, 304, 305, 1203, 1278
Gutsfeld, S.	133, 307, 346, 635, 690
Gómez-Olarte, S.	280, 281, 282, 525, 526, 1001

H

Haalck, I.	308
Haange, S.-B.	15, 78, 130, 351, 775, 863
Haase, A.	309, 1139, 1140
Haase, D.	87, 186, 187, 196, 214, 310, 311, 312, 313, 420, 461, 548, 705, 762, 789, 858, 941, 1099, 1141, 1188
Haase, J.	51
Haase, K.	564
Hackermüller, J.	124, 125, 475, 598, 787, 1028
Häfner, C.	1167
Händel, F.	76
Haenelt, S.	315, 923
Häßler, P.	1206, 1207, 1208, 1211
Halpick, H.	380
Han, L.	319
Han, S.	254, 320, 321, 429
Hansjürgens, B.	649, 1044, 1142, 1143, 1183, 1191, 1192

UFZ-Autorenregister

Harms, H.	985, 1039
Harms, W.	426
Harnisch, F.	382, 408, 452, 453, 677, 735, 893, 900
Harpke, A.	199, 324, 409, 1061, 1062, 1092, 1095, 1159, 1226
Harpole, S.	182
Harpole, W.S.	71, 142, 232, 283, 284, 344, 364, 567, 611, 916, 922, 1005
Hartmann, T.	340
Hauck, J.	1144, 1215
Haus, P.	788, 900
He, J.	808
Hecht, C.	340, 454, 584, 944, 945
Heidbüchel, I.	927, 984
Heidenreich, M.	1209
Heilemann, J.	272, 332, 603, 1244, 1250, 1261
Heinemann, N.	334
Heinze, J.	335, 1246
Heipieper, H.	336
Heipieper, H.J.	29, 30, 31, 146, 337, 479, 1004
Heiß, I.	338
Hemmen, J.	111
Hemp, C.	339, 743
Hempel, H.	1209, 1242
Henkel, S.	98, 99, 215, 340
Henle, K.	89, 90, 341, 342, 426, 1046
Henn, E.V.	1019, 1102, 1103, 1104, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153
Henneberger, L.	535, 839, 965, 1047
Herberth, G.	70, 281, 282, 413, 554, 612, 885, 1001
Herditschka, T.	1105, 1154, 1155, 1169
Herion, Y.	344
Hermsdorf, M.	531
Herold, N.	902
Herold, N.K.	346, 347
Herrmann, S.	13, 238, 685, 689, 1018
Hertle, L.	349, 724, 795
Herzberg, M.	851, 995, 1286
Herzprung, P.	350, 1156, 1158
Hesse, F.	456
Heuschele, J.M.	467
Hildebrandt, A.	600, 648, 693, 791
Hildebrandt, J.	378
Höfner, J.	199, 359, 1081
Hoffmann, P.	344
Hommel, E.	362
Homsí, M.N.	15
Honchar, H.	1095
Horn, J.	957
Hornick, T.	364, 919, 922
Houben, T.	365, 1050, 1063, 1300
Howanski, J.	444, 446, 449, 796, 801
Huang, J.	369
Huang, X.	370
Huber, C.	21, 281, 308, 371
Hubig, A.	372
Huchthausen, J.	535, 839
Hüesker, F.	256, 588, 684, 817, 1123, 1259
Huth, A.	266, 298, 325, 623, 953, 960, 961, 1273

I

Iacono, R.	373
Iakunin, M.	374
Ibrahim, Z.	271
Iqbal, H.H.	805
Itzenhäuser, M.A.	380
Ivlieva, O.	203, 1125, 1186
Izadi, P.	382, 408, 900

J

Jäger, F.	955
Jähkel, A.	852, 853
Jahn, M.	1200
Jahn, S.	1108, 1157, 1182, 1183
Jahnke, A.	16, 70, 159, 384, 482, 487, 599, 661, 688, 753, 806, 874, 875, 876, 969, 1172, 1221, 1233, 1234, 1235
Jax, K.	330
Jean-Louis, G.	388
Jehmlich, N.	15, 130, 273, 351, 707, 863, 902, 905, 914, 1051
Jennings, E.K.	390
Jessen, M.-T.	392
Ji, L.	685
Ji, X.	1039
Jomaa, S.	131, 134, 250, 499, 566, 744, 768, 1029
Jordan, M.	220, 397, 528, 883, 1128, 1230, 1239, 1260
Jurburg, S.	328, 701
Jurburg, S.D.	399, 400
Jurkschat, L.	401

K

Kabisch, S.	1211
Kachler, J.	649
Kader, S.	307, 785
Kaesler, J.M.	1238
Kästner, M.	172, 985
Kaim, A.	338, 404, 713
Kaiser, J.	214, 789, 941, 1099, 1141, 1188
Kalbacher, T.	419, 1243
Kallies, R.	28, 606
Kamjunke, N.	5, 113, 295, 350, 362, 1158, 1232
Karkossa, I.	14, 702, 714
Karr, S.M.	1231
Karutz, R.	907
Kas, A.	408
Kasmanas, J.C.	307, 410
Kasperidus, H.D.	98, 99, 211, 215, 340, 1034
Kelbling, M.	594, 913
Keller, P.S.	166
Khadela, S.	1286
Khan, M.I.	417
Khan, T.	418, 1053
Kholis, A.	419, 1243
Khurana, S.	365
Khurelbaatar, G.	505, 1130, 1131, 1132
Kindinger, A.	10
Kiszkurno, F.K.	422
Klähn, S.	380, 519, 911
Klaes, S.	423
Klassert, C.	332, 603, 860, 1015, 1244, 1250, 1261, 1295
Klauer, B.	332, 603, 1015, 1129, 1160, 1244, 1250, 1261
Kleemann, J.	1141
Kleinsteuber, S.	43, 421, 736, 1237, 1262
Klenke, R.	342, 472
Klickermann, F.	1225
Klotz, D.	6, 1280
Klotz, S.	189, 467, 489, 840
Klüver, N.	67, 564
Klusmann, C.	1214
Knapp, S.	234, 489, 567, 700, 718, 941, 1141
Knauß, S.	323, 789, 1144
Knight, T.	360, 1299

UFZ-Autorenregister

Knight, T.M.	27, 275, 462, 467, 501, 843, 872, 873, 946, 1288
Knöller, K.	149, 188, 827, 1187
Knoeller, K.	95, 407, 794, 795
Koblitz, A.-K.	785
Koch, V.P.	426
Köck, W.	79, 427, 428, 476, 531, 1025, 1054, 1055, 1056, 1057, 1058, 1090, 1091, 1101, 1194, 1210
Ködel, U.	241
Köhne, J.M.	664, 734
Koehne, J.M.	265
König, M.	44, 190, 362, 591, 620, 839, 1047
König, S.	594
Köpke, J.	438, 508
Kolberg, Y.	727, 1180
Kolditz, O.	77, 110, 118, 137, 366, 422, 434, 435, 585, 602, 644, 678, 818, 1059, 1200, 1246, 1256
Kollai, H.	1212
Komischke, H.	712
Kong, X.-Z.	436
Kong, X.	194, 256, 563, 870, 980, 981
Kopinke, F.-D.	760
Korell, L.	27, 58, 199, 414, 646, 1298
Korinth, H.	683
Korte, K.	772, 1037, 1245
Korth, B.	143, 382, 788
Koschorreck, M.	9, 35, 166, 480, 562, 837, 1156, 1201
Kotze, S.	441
Krauss, M.	20, 21, 65, 81, 159, 188, 281, 308, 362, 371, 406, 496, 620, 672, 723, 758, 780, 787, 805, 806, 834, 866, 867, 902, 937, 965
Krausser, K.	444
Kretschmer, T.	280, 446, 447, 449, 527, 595, 796, 801
Kreuer, D.	448
Krieg, L.	702, 714
Krieg, R.	255
Krieger, E.	446, 449
Krishnakumar, A.E.V.	627
Krömer, J.	938
Krömer, J.O.	640, 641, 715, 745, 783, 996, 997
Kronsbein, P.M.	149, 1187
Krüger, J.	564, 622
Kuchenbuch, A.	452, 453
Kudria, A.	901
Kühn, E.	324, 409, 467, 1060, 1061, 1062, 1095, 1097, 1226
Kühn, I.	115, 123, 257, 290, 440, 454, 464, 489, 500, 567, 630, 711, 718, 812, 844, 1159, 1265
Kühnel, D.	384, 460, 586, 608, 1221, 1222, 1223, 1224, 1233, 1235
Kümmel, S.	122, 315, 317, 328, 415, 416, 458, 508, 568, 569, 931, 993
Küster, E.	222, 460, 564, 780
Kuhlicke, C.	164, 321, 429, 634, 879, 1078, 1093
Kuhnert, T.	564, 1283
Kumar, R.	1, 8, 10, 45, 56, 57, 83, 206, 210, 227, 231, 256, 455, 456, 572, 593, 814, 878, 970, 982, 1052, 1082, 1257, 1270, 1282

L

Ladouceur, E.	649
Lai, B.	394, 783, 911, 938, 996, 997
Landmark, S.	322, 724
Lange, M.	594
Lange, M.	693
Langer, H.	823
Lausch, A.	186, 187, 471, 472, 857, 929
Leal Rojas, J.J.	594
Leberger, R.	275
Lechtenfeld, O.	669, 777
Lechtenfeld, O.J.	50, 117, 195, 255, 350, 390, 729, 816, 822, 850, 888, 1156, 1158
Ledesma, J.L.J.	66, 386, 474
Lehmann, C.	335, 1246
Lehmann, J.	475, 1028
Lehmann, P.	220, 263, 476, 547, 1247

Lehneis, R.	220, 477, 478, 528, 529, 1239, 1247
Leins, J.	267, 268
Leins, J.A.	269
Leipold, S.	952, 1209
Leng, P.	480
Lenz, C.	997
Leuthold, D.	346, 635
Levers, C.	485
Li, S.	494, 495
Li, X.	492, 1302
Li, Y.	499
Lichtenwald, E.	319
Liess, M.	673, 721, 799, 806, 866, 867
Linke, T.	503
Lipaeva, P.	504
Lipperer, M.C.	505
Lippold, E.	277, 326, 506
Lips, S.	70, 384, 599
Liu, Q.	491, 507
Liu, X.	993
Liu, Y.	467
Llanque Zonta, A.	258, 513
Locher-Krause, K.E.	157, 439
Lohmann, P.	15
Lopez-Herguedas, N.	285, 721
Lorenz, M.	822, 959
Lu, R.	585
Lucas, M.	515, 776
Luckenbach, T.	504, 564, 824, 846
Ludwig, A.	517
Lünenschloß, P.	111
Lupacchini, S.	519
Luttermann, M.	520

M

Ma, S.	1302
Mackenzie, K.	3, 583, 758, 1039
Madaj, A.-M.	199
Magnúsdóttir, S.	410
Mahecha, M.D.	393, 565, 571, 650, 947, 956
Mailaender, V.M.	525, 526
Mallast, U.	217, 1017, 1190
Manske, D.	528, 529, 573, 1167
Markus, T.	772, 883, 1035, 1037, 1065, 1107, 1162, 1163, 1179, 1245
Marquard, E.	531, 1030
Marselle, M.	896
Martín Roldán, M.	326, 534, 972
Marx, A.	83, 456, 712
Masch, D.	538
Maskow, T.	380, 503, 850, 908, 985
Massei, R.	20, 329, 539, 564, 616, 785
Massenberg, J.R.	540, 1144, 1165
Materić, D.	191, 225, 401, 587, 877
Mattern, A.	608
Matthies, M.C.	1031
Matzner, N.	533, 542, 883, 963, 1215
Mayer, T.	543, 653, 654, 752
McNeil, T.	1269
Meemken, M.-T.	909
Mehmood, T.	709, 1166
Meier, L.	553
Meisel, T.	73, 335, 818, 1246
Meng, Y.	556
Menger, J.	766
Menger, J.S.	1095
Merbach, A.	104

UFZ-Autorenregister

Merbach, I.	333, 353, 670, 763, 777, 1286
Merz, N.	559
Merz, R.	60, 755, 924
Messner, F.	1066
Meyer, M.	295, 562
Meyer, M.	788
Meyer, N.	280, 525, 526, 710, 738, 796, 801, 1001, 1067
Mi, C.	237, 256, 563, 726, 943
Michaelis, P.	564, 622
Michalski, S.	1081
Michalski, S.G.	199, 359
Miersch, P.	1068, 1248, 1280
Milanović, M.	518, 567
Miltner, A.	822, 850, 985
Min, N.	568, 569
Mirtl, M.	442, 468, 630, 631, 1251
Mirutko, A.	1229
Mittelstädt, N.	573, 1167
Modiri, E.	604
Möckel, S.	574, 575, 576, 577, 578, 579, 580, 581, 582, 1191, 1192, 1205
Moeder, M.	345
Moeller, L.	43, 104, 583, 584, 692, 1069, 1075, 1100, 1110, 1118, 1119, 1120, 1121, 1122, 1123, 1168, 1217, 1249
Möller, T.	785
Mohannazadeh, M.	322
Moll, J.	746
Mollaali, M.	383, 434, 585, 1059
Mollenhauer, H.	630, 1252
Moloi, M.S.	586
Montoya, V.	585
Morales-Fonseca, D.	589
Morsy, M.	322
Motivans Švara, E.	467
Muehe, E.M.	293, 353, 670, 763, 809, 810, 1238, 1286
Mueller, A.	19
Müller, B.	483, 728, 955
Müller, C.	774, 794
Müller, R.	1130, 1131
Müller, R.A.	583, 692, 1132, 1171
Müller, S.	83, 594, 712
Mueller, S.	1257
Müller, S.	2, 221, 1272, 1276, 1297
Muratuly, A.	21
Musat, F.	923
Musat, N.	315, 923
Musche, M.	199, 289, 324, 409, 1061, 1062, 1092, 1095, 1097, 1159, 1226
Musolff, A.	54, 57, 149, 188, 206, 372, 474, 755, 773, 1032, 1187
Mutlu, İ.	598, 787
Muz, M.	20, 21, 208, 721, 1172
Méndez, L.	844

N

Nagel, T.	118, 135, 136, 137, 179, 405, 412, 422, 434, 601, 602, 618, 818, 820, 821, 1012, 1045
Nagpal, M.	52, 332, 603, 1244, 1250, 1261
Najafi, H.	322, 917
Naumov, D.	73, 137, 405, 1246
Nawaz, A.	651
Nerlich, L.	564
Neu, T.R.	22, 23, 244, 1176
Neubauer, M.	1173
Neuert, L.	659
Neumann, C.	613
Nguyen, V.T.	57, 198, 614, 871, 890, 904
Nicolay, E.K.	539, 616
Nieto, E.E.	617
Nijenhuis, I.	74, 931, 954

UFZ-Autorenregister

Nikolausz, M.	469, 470, 619, 864, 1237
Niu, L.	620
Nkwalale, L.G.T.	798
Nöth, J.	622
Nogueira Tavares, C.	1095
Nothaaß, D.	623
Nunes Carvalho, T.M.	132, 830
Nunes da Rocha, U.	307, 410, 624, 670, 864, 923, 979, 1274
Nyffeler, J.	385, 625, 626, 627, 671

O

Oh, R.R.Y.	274, 291, 628, 675, 747, 942, 1267
Ohnemus, T.	630, 631, 1251, 1252
Opel, F.	519
Oswald, S.	231
Otto, D.	331, 542, 634, 883, 963, 1215
Owen, R.	627, 635, 636, 965

P

Paasch, S.	1252
Paasche, H.	170, 637, 638
Palliwoda, J.	209, 1000
Palm, B.	111
Pan, M.	502, 640, 641, 745
Panda, M.	1167
Paschke, H.	307
Pasqualini, J.	609, 647, 852, 853
Pathak, D.	108
Paufler, S.	503
Pe'er, G.	536, 649, 696, 770, 1031, 1160, 1267
Peng, C.	486, 652
Peng, G.	225, 1175
Peng, J.	138, 152, 226, 261, 292, 301, 488, 490, 514, 930, 976, 989, 991, 992, 1006, 1008, 1014, 1302
Penzel, S.	653, 654
Perea, A.J.	656
Perez-del-Pulgar, C.	633
Perujo, N.	295, 296, 562, 659, 739
Peters, B.	628, 645
Petruschke, S.	564
Phalempin, M.	664, 665, 666, 681, 777, 967
Pham, T.A.M.	1001
Philipp, L.	344, 667, 668, 777, 999
Pierzchalski, A.	37, 38, 70
Pieńkowska, A.	353, 670, 1286
Piotrowska, A.	867
Pößneck, J.	309, 1211
Pohl, M.	1106
Pohle, M.	119, 660, 1116, 1174
Polte, T.	1001
Polzin, C.	542, 1215
Pothmann, P.	674
Pouget, C.	203, 1186
Pouresmaeil, S.	677
Prada Salcedo, L.D.	1286
Prada-Salcedo, L.D.	589, 689, 1279
Prause, L.	680
Pröbstl, F.	682, 683, 684
Pütz, S.	148, 294
Purahong, W.	685, 1291
Pyarali, K.	490

Q

Qian, J. 686
 Quiroga-González, C.A. 689

R

Raab, J. 690
 Rahman, K.Z. 692
 Rahmsdorf, E. 693
 Raith, F. 695
 Rakosy, D. 467, 873, 922
 Rakovec, O. 83, 210, 227, 231, 322, 419, 456, 593, 712, 814, 917, 1250
 Ramke, L. 700
 Ranjit, M. 1110
 Raps, S. 703
 Rastogi, R. 596
 Rebmann, C. 62
 Reckhaus, Z. 634, 1093
 Reemtsma, T. 49, 183, 184, 191, 195, 225, 249, 286, 319, 390, 729, 750, 753, 754, 781, 785, 800, 816, 948, 949, 1220, 1228
 Reese, M. 1058, 1073, 1074, 1123, 1129, 1178
 Reichelt, P. 710
 Reichmuth, A. 711, 712
 Reilly-Schott, V. 997
 Reitz, T. 94, 96, 121, 172, 173, 344, 353, 377, 507, 524, 667, 668, 670, 777, 810, 967, 968, 972, 999, 1076, 1298
 Reshef, N. 883
 Ribeiro, A.F.S. 532, 541, 719, 751
 Richnow, H.-H. 315, 931, 993
 Richnow, H. 606
 Richnow, H.H. 141, 352, 458, 568, 569, 864, 975, 983
 Richter, P.-G. 1286
 Rieland, G. 340, 944, 945
 Rieß, A. 722
 Rigerte, L. 1076
 Rimjhim, R. 895
 Rink, K. 335, 1200
 Rinke, K. 9, 149, 229, 237, 256, 563, 725, 726, 748, 798, 861, 943, 1036, 1064, 1187
 Risse-Buhl, U. 632
 Ristok, C. 1159
 Rocha Vogel, A. 727, 1180
 Rode, J. 696, 728
 Rode, M. 369, 480, 499, 566, 570, 744, 748, 768, 769, 1029
 Rodrigues Matos, R. 390, 729
 Rodríguez, T. 47, 731
 Roeder, A. 58, 392, 1287
 Röder, S. 281, 282, 612, 885
 Röder, S.W. 554
 Rödiger, J. 446
 Röhrig, A. 307
 Röhrling, K. 735
 Römerscheid, M. 384, 599
 Rohe, L. 425
 Rohwerder, T. 736
 Rojo-Nieto, E. 16, 482, 1172
 Rolle-Kampczyk, U. 14, 15, 78, 130, 278, 282, 316, 451, 775, 902
 Rolle-Kampczyk, U.E. 125, 406, 635
 Romanelli, F. 444, 446, 738
 Romig, M. 741
 Rosa, L.F.M. 452, 453
 Roscher, C. 41, 58, 142, 167, 182, 199, 232, 344, 392, 395, 524, 552, 629, 742, 916, 1005, 1266, 1287, 1301
 Rosenlöcher, Y. 188, 888

UFZ-Autorenregister

Rosenow, D.	1066
Rouhani, A.	744
Rozario, K.	274, 628, 747
Rufino, P.R.	749
Rupp, A.	985
Rupp, J.	750, 1220
Rynek, R.	225, 752, 753

S

Saavedra Melendez, F.	795
Saavedra, F.	755
Sacco, D.	484
Sadr, M.	220, 757, 883, 963
Saeidi, N.	3, 758
Saharan, B.S.	642
Salomaa, A.	759
Samaniego, L.	83, 210, 226, 231, 318, 322, 419, 456, 593, 603, 712, 761, 814, 917, 1243, 1250, 1257
Saraiva, J.P.	765, 1289
Sarrazin, F.J.	56, 57
Sauke, F.	769
Schaale, R.	380
Schaan, L.N.	696, 770
Schädler, M.	68, 94, 238, 414, 507, 668, 687, 777, 868, 869, 968, 1293, 1301
Schäfer, D.	111, 1063, 1283
Schaller, R.	772, 1245
Scharfenberger, U.	10, 126, 372
Schattenberg, F.	1272, 1297
Schauer, L.S.	773
Scheller, A.	998, 1228
Schierz, A.	185, 1024
Schiller, J.	1108, 1182, 1183, 1184, 1185
Schlaak, J.	83
Schlenker, A.	416, 771
Schleyer, C.	1144
Schlink, U.	19, 169, 686, 1302
Schlosser, D.	479, 584, 1168
Schlüter, S.	172, 173, 262, 425, 506, 664, 665, 681, 776, 777, 906, 915, 967, 968
Schlueter, S.	265, 1301
Schmid, A.	503, 519, 741, 778
Schmid, J.S.	365
Schmid, S.	684, 1019
Schmidt, A.	711, 712
Schmidt, A.	13, 530, 1023, 1077, 1099, 1124, 1159, 1164, 1170, 1188, 1189
Schmidt, A.	1140
Schmidt, C.	370, 790, 986, 1221, 1233, 1234, 1235
Schmidt, L.	1063
Schmidt, M.	30, 31, 97, 606, 677, 911
Schmidt, S.I.	958, 1036, 1064
Schmidt, T.	226
Schmidt, V.	1095
Schmitt-Jansen, M.	10, 384, 780, 1268
Schneider, H.	783, 997
Schnicke, T.	111, 564, 1283
Schnurpel, A.	564
SchöBow, Y.	788
Scholz, M.	98, 99, 215, 340, 684, 944, 945, 1038, 1049, 1079
Scholz, S.	159, 329, 347, 535, 539, 564, 622, 785, 862
Schor, J.	124, 255, 598, 787, 1290
Schreiber, S.	125
Schreiter, S.	664
Schröder, O.	842
Schröder, T.	1064
Schrön, M.	17, 32, 231, 251, 322, 349, 433, 546, 637, 724
Schröter-Schlaack, C.	1182, 1183
Schubert, K.	14, 125, 278, 316, 450, 451, 504, 597, 702, 703, 714, 881, 1001
Schubert, M.	792, 793, 794, 795

UFZ-Autorenregister

Schöffler, A.	796
Schüler, L.	314, 622
Schürz, C.	764
Schüßler, C.	797
Schütze, C.	119, 241
Schuetze, C.	322
Schultze, M.	237, 725
Schulz, C.	111
Schulze, F.	217
Schulze, T.	496, 787
Schumacher, A.	444, 446, 449, 595, 710, 738, 796, 801, 1001
Schwarze, R.	558, 1033, 1080, 1216
Schwarzer, D.	448
Schweiger, L.	799
Schweiger, N.	307, 347, 564, 635, 902, 965
Schweiger, O.	147, 402, 467, 530, 676, 889, 1095, 1096, 1303, 1304
Seele-Dilbat, C.	340
Seelig, A.	286
Seelig, A.H.	183, 800
Seifert, P.	801
Seiwert, B.	195, 249, 319, 781, 816, 948, 949
Selsam, P.	471, 472
Selzer, P.	663, 1254, 1256
Sen, Ö.O.	1246
Seppelt, R.	93, 354, 485, 613
Settele, J.	59, 214, 289, 324, 354, 409, 521, 530, 531, 649, 673, 838, 1022, 1030, 1061, 1062, 1090, 1091, 1094, 1095, 1096, 1097, 1099, 1109, 1124, 1159, 1164, 1188, 1189, 1210, 1226, 1267
Shahid, N.	804, 805, 806, 866, 867
Shao, H.	118, 136, 137, 847, 910, 1240, 1256
Sharifi, E.	288
Sharma, P.	303, 809, 810
Shatwell, T.	82, 126, 229, 237, 246, 256, 563, 815
Shen, G.	811
Shrestha, P.K.	48, 814, 1257
Siddique, A.	806
Siebert, C.	5, 932, 1017, 1190
Siedschlag, D.	542, 883, 1215
Sielaff, D.	564
Sievers, E.	817
Simon, C.	424, 777, 822, 850
Simoneit, M.	823
Singavarapu, B.	897, 898
Siqueira da Silva, R.	4, 12, 18, 150, 151, 160, 162, 163, 165, 605, 679, 691, 803, 836
Soares, L.M.V.	828, 835, 1258
Soder-Walz, J.M.	829
Sodoge, J.	52, 164, 830
Solly, E.F.	355, 373, 831
Soman, S.C.	833
Spath, J.	346
Srebny, V.	839, 1209
Sritongchuay, T.	613, 892, 935
Stadler, J.	840
Stauder, R.	380, 519, 911
Stegmann, F.	338
Stojanovska, V.	37, 38, 280, 525, 526, 974, 1001
Sträuber, H.	893, 1262
Strauch, M.	91, 156, 749, 950, 1218, 1227
Strobel, P.	849
Stryhanyuk, H.	315
Stubenrauch, J.	448, 587, 1083
Stückrath, K.	2, 1272, 1276
Stumpf, K.	850
Sühnholz, S.	398
Sunjidmaa, N.	659, 852, 853
Sure, P.	895
Sushchenko, O.	1216
Susset, L.	733
Sweet, L.-B.	717, 854
Swonarjow, S.	1180

UFZ-Autorenregister

Synodinos, A.D. 856
Sánchez, N. 763, 1286

T

Taeglich, S. 793
Tafarte, P. 263
Takola, E. 287, 381, 463, 621, 1264, 1298
Tal, T. 38, 133, 276, 280, 307, 346, 347, 616, 627, 635, 636, 690, 859, 902, 965, 1001
Tanneberger, F. 1160
Tanui, I. 805
Tanui, I.C. 866, 867, 912
Tanunchai, B. 685
Tarasova, L. 1, 755, 920
Tarkka, M. 13, 271, 326, 667, 668, 685, 689, 763, 972, 1018, 1301
Tarkka, M.T. 238, 534, 756, 1076
Taubert, F. 161, 374
Teutloff, E. 544
Teutsch, G. 468
Thober, S. 83, 288, 456, 594, 814, 845, 913, 920, 1087, 1257
Thomas, F. 1084
Thrän, D. 175, 176, 220, 247, 248, 304, 305, 397, 516, 528, 529, 542, 573, 720, 757, 826, 849, 882, 883, 884, 893, 963, 990, 1026, 1027, 1089, 1098, 1167, 1195, 1196, 1197, 1198, 1199, 1215, 1230, 1231, 1236, 1255, 1278, 1296
Thulke, H.-H. 107, 180, 674, 732
Till, J. 484
Tittel, J. 149, 188, 888, 1187
Toepel, J. 86, 484, 519
Trabert, T. 1050, 1085, 1300
Trabitzsch, R. 584, 1168, 1217, 1249
Tripathi, M. 891
Tröger, U. 1111, 1112, 1115
Tüllinghoff, A. 893
Türkowsky, D. 15

U

Ude, E.O. 895
Ul Haq, H. 897, 898, 899
Ullah, R. 592
Ulrich, N. 36, 371, 787, 823, 901, 936, 969
Uthoff, C. 902

V

van Afferden, M. 1130, 1131, 1132
Vandewalle, M. 203, 481, 767, 1125, 1186
Vedder, D. 1031
Vehling, F. 910
Veit, M.C. 911
Vetterlein, D. 277, 326, 506, 664, 666, 681, 784, 819, 918, 972, 1301
Vieweg, M. 98, 99, 215, 340
Vinson, A.C. 891
Virtanen, R. 916
Vogel, H.-J. 425, 776, 777, 906
Vogt, C. 74, 75, 223, 352, 495, 931, 954
Volk, M. 112, 156, 338, 749, 950, 1003, 1218
Voll, M. 948, 949
von Bergen, M. 14, 15, 78, 125, 130, 273, 278, 282, 316, 451, 597, 702, 703, 714, 775, 902, 914
von Gönner, J. 628
von Hagenow, C.S. 1159
von Tümpling, W. 82, 350, 727, 786, 1158, 1180

UFZ-Autorenregister

Vosgerau, E. 1050

W

Wagner, M. 446, 449
Wagner, R.C. 173
Wagner, S. 753
Waldemer, C. 1156
Walther, F. 922
Wang, G. 141, 923
Wang, G. 670
Wang, M. 926
Wang, S. 153, 928, 994
Wang, W. 110, 405, 434
Wang, Z. 125
Wang, Z. 931, 1007
Wang, Z. 367, 493, 755, 986, 987
Weber, U. 241, 322
Weinhardt, F. 102, 432, 443
Weiß, H. 90, 1240
Weitere, M. 10, 354, 372, 416, 562, 647, 659, 771, 1158, 1190
Wendt-Potthoff, K. 384, 790, 943, 1221, 1233, 1235
Werban, U. 119, 660, 1016, 1084, 1116, 1161, 1174, 1177
Werner, S. 332, 1244, 1261
Weyrauch, S. 49, 184, 319, 948, 949
White, C. 423
Wick, L.Y. 28, 951, 1039, 1289
Wider, J. 1072
Wiegand, T. 148, 387, 590, 656, 953
Wiemers, M. 673, 1092
Wildner, T.M. 1144
Will, M. 894, 955
Witing, F. 112, 950, 1218, 1227
Wittekind, C. 1227
Wittekind, C.I.H. 950
Wittmer, H. 439, 448, 649, 767, 789, 1019, 1124, 1144
Wolf, F. 843
Wolf, M. 338
Wolff, M. 313, 461
Wolfram, E. 263
Wollschläger, N. 584, 1168, 1249
Workman, A. 873
Worrich, A. 143, 810, 978
Wray, C. 307, 346, 965
Wu, M. 777, 967, 968, 1301
Wu, S. 970, 986
Wu, S. 969
Wubet, T. 430, 431, 651, 897, 898, 899
Würsig, H. 326, 534, 972
Würz, B. 28

X

Xia, Y. 974
Xu, J. 978

Y

Yang, S. 908, 985
Yang, W. 986, 987, 1010
Yang, X. 510
Yang, X. 968

UFZ-Autorenregister

Yao, N.	1302
Yogya, Y.	939
Yoshioka, K.	511, 512, 585
You, T.	511, 512
Yuan, J.	996, 997

Z

Zacharias, S.	231, 349, 433, 468, 607, 630, 631, 724, 1066
Zahn, D.	183, 286, 319, 327, 800, 998, 1228
Zanini, C.	785
Zantop Linares, S.	796
Zantop, S.	280
Zenclussen, A.	37, 70, 281, 446, 710
Zenclussen, A.C.	38, 280, 282, 444, 449, 525, 526, 554, 612, 738, 796, 801, 885, 974, 1001, 1067
Zenetti, J.M.	772, 1037, 1088
Zeug, W.	1229, 1230, 1231, 1241
Zhang, C.	1003
Zhang, H.	813, 925, 1002
Zhang, J.	923
Zhang, N.	738
Zhou, T.	929
Zhou, X.	499
Zhu, Y.	439, 1015
Ziehlke, M.	1217
Zill, F.	818, 1256
Zill, J.	1017, 1190
Zinke, C.	39, 1230, 1231
Zinngrebe, Y.	105, 106, 354, 465, 683, 684, 699, 716, 1019, 1136
Zorc, O.	788
Zozmann, H.	314
Zscheischler, J.	69, 103, 116, 227, 235, 239, 253, 299, 302, 532, 556, 719, 854, 964, 989, 1020, 1068, 1072, 1248, 1280
Zulfiqar, B.	264, 265, 1021

Weitere

Şen, Ö.O.	1200
Ştefan, V.	467, 747, 843, 872, 873

Herausgeber

Helmholtz-Zentrum für Umweltforschung GmbH - UFZ

Permoserstraße 15
04318 Leipzig
www.ufz.de

Bearbeitung

Josephine Finckh

Michael Garbe

Heike Reichelt