

Veröffentlichungen

des Helmholtz-Zentrums für Umweltforschung GmbH – UFZ

Forschen für die Umwelt

Vorbemerkung

Das vorliegende Veröffentlichungsverzeichnis umfasst die im Jahre 2013 erschienenen Publikationen, die von Mitarbeitern der Helmholtz-Zentrum für Umweltforschung GmbH - UFZ verfasst, mitverfasst oder herausgegeben wurden.

Redaktionsschluss für diese Publikationsliste war der 18. Juni 2014.

Im Unterschied zu externen Autoren sind UFZ Angehörige bei allen Publikationen durch **fette Schrift** hervorgehoben.

Das anschließende alphabetische Register verzeichnet alle UFZ Autoren mit den jeweiligen laufenden Nummern ihrer Publikationen.

Inhaltsverzeichnis

Artikel in ISI gelisteten Zeitschriften	3
Artikel in anderen Zeitschriften (nicht ISI gelistet)	84
Buch	97
Buchherausgabe	98
Buchkapitel	100
Bericht	117
Berichtartikel	121
Berichtherausgabe	126
Tagungsbeitrag	128
Blog	133
UFZ-Autorenregister	134

Artikel in ISI gelisteten Zeitschriften

1. Abbas, M., Ebeling, A., Oelmann, Y., Ptacnik, R., **Roscher, C.**, Weigelt, A., Weisser, W.W., Wilcke, W., Hillebrand, H. (2013):
Biodiversity effects on plant stoichiometry
PLOS One **8** (3), e58179
2. **Akter, S.**, Mallick, B. (2013):
The poverty–vulnerability–resilience nexus: evidence from Bangladesh
Ecol. Econ. **96**, 114 - 124
3. Alalouni, U., **Schädler, M.**, Brandl, R. (2013):
Natural enemies and environmental factors affecting the population dynamics of the gypsy moth
J. Appl. Entomol. **137** (10), 721 - 738
4. Albaiges, J., **Jiménez, N.**, Arcos, A., Dominguez, C., Bayona, J.M. (2013):
The use of long-chain alkylbenzenes and alkyltoluenes for fingerprinting marine oil wastes
Chemosphere **91** (3), 336 - 343
5. **Alexandrescu, F.** (2013):
Mediated risks: the Rosia Montana displacement and a new perspective on the IRR model
Can. J. Dev. Stud. **38** (4), 498 - 517
6. **Algora, C.**, Gründger, F., **Adrian, L.**, Damm, V., **Richnow, H.-H.**, Krüger, M. (2013):
Geochemistry and microbial populations in sediments of the Northern Baffin Bay, Arctic
Geomicrobiol. J. **30** (8), 690 - 705
7. Allan, E., Jenkins, T., Fergus, A.J.F., **Roscher, C.**, Fischer, M., Petermann, J., Weisser, W.W., Schmid, B. (2013):
Experimental plant communities develop phylogenetically overdispersed abundance distributions during assembly
Ecology **94** (2), 465 - 477
8. Allan, E., Weisser, W.W., Fischer, M., Schulze, E.-D., Weigelt, A., **Roscher, C.**, Baade, J., Barnard, R.L., Beßler, H., Buchmann, N., Ebeling, A., Eisenhauer, N., Engels, C., Fergus, A.J.F., Gleixner, G., Gubsch, M., Halle, S., Klein, A.M., Kertscher, I., Kuu, A., Lange, M., Le Roux, X., Meyer, S.T., Migunova, V.D., Milcu, A., Niklaus, P.A., Oelmann, Y., Pašalić, E., Petermann, J.S., Poly, F., Rottstock, T., Sabais, A.C.W., Scherber, C., Scherer-Lorenzen, M., Scheu, S., Steinbeiss, S., **Schwichtenberg, G.**, Temperton, V., Tscharntke, T., Voigt, W., Wilcke, W., Wirth, C., Schmid, B. (2013):
A comparison of the strength of biodiversity effects across multiple functions
Oecologia **173** (1), 223 - 237

9. Allana, E., Bossdorf, O., Dormann, C.F., Prati, D., Gossner, M.M., Tscharntke, T., Blüthgen, N., Bellach, M., Birkhofer, K., Bocha, S., Böhm, S., Börschig, C., **Chatzinotas, A.**, Christ, S., Daniel, R., Diekötter, T., Fischer, C., Friedl, T., **Glaser, K.**, Hallmann, C., Hodac, L., Hölzel, N., Jung, K., Klein, A.M., Klaus, V.H., Kleinebecker, T., Krauss, J., Langed, M., Morris, E.K., Müller, J., Nacken, H., Pašalić, E., Rillig, M.C., Rothenwörler, C., Schall, P., Scherber, C., Schulze, W., Socher, S.A., Steckel, J., Steffan-Dewenter, I., Türke, M., Weiner, C.N., Werner, M., Westphal, C., Wolter, C., **Wubet, T.**, Gockel, S., Gorcke, M., Hemp, A., Renerk, S.C., Schöning, I., Pfeiffer, S., König-Ries, B., **Buscot, F.**, Linsenmair, K.E., Schulze, E.-D., Weisser, W.W., Fischer, M. (2013): Interannual variation in land-use intensity enhances grassland multidiversity
Proc. Natl. Acad. Sci. U.S.A. **111** (1), 308 - 313
10. **Altdorff, D.**, Epting, J., van der Kruk, J., **Dietrich, P.**, Huggenberger, P. (2013): Delineation of fluvial sediment architecture of subalpine riverine systems using noninvasive hydrogeophysical
Environ. Earth Sci. **69** (2), 633 - 644
11. **Altenburger, R.**, Backhaus, T., Boedeker, W., Faust, M., Scholze, M. (2013): Simplifying complexity : mixture toxicity assessment in the last 20 years
Environ. Toxicol. Chem. **32** (8), 1685 - 1687
12. Andersen, E., **Mattusch, J.**, Wellenreuther, G., Thomas, G., **Arroyo Abad, U.**, Küpper, H. (2013): Different strategies of cadmium detoxification in the submerged macrophyte *Ceratophyllum demersum* L.
Metallomics **5** (10), 1377 - 1386
13. Andresen, E., Opitz, J., Thomas, G., **Stärk, H.-J.**, Dienemann, H., Jenemann, K., Dickinson, B.C., Küpper, H. (2013): Effects of Cd & Ni toxicity to *Ceratophyllum demersum* under environmentally relevant conditions in soft & hard water including a German lake
Aquat. Toxicol. **142-143** , 387 - 402
14. Anh, B.T.K., Kim, D.D., **Kuschk, P.**, Tua, T.V., Hue, N.T., Minh, N.N. (2013): Effect of soil pH on As hyperaccumulation capacity in fern species, *Pityrogramma calomelanos*
J. Environ. Biol. **34** (2), 237 - 242
15. Anoop, A., Prasad, S., Plessen, B., Basavaiah, N., Gaye, B., Naumann, R., Menzel, P., **Weise, S.**, Brauer, A. (2013): Palaeoenvironmental implications of evaporative gaylussite crystals from Lonar Lake, central India
J. Quat. Sci. **28** (4), 349 - 359

16. Apaza Quevedo, A.E., Schleuning, M., Hensen, I., Saavedra, F., **Durka, W.** (2013): Forest fragmentation and edge effects on the genetic structure of *Clusia sphaerocarpa* and *C. lechleri* (Clusiaceae) in tropical mountain forests
J. Trop. Ecol. **29** (4), 321 - 329
17. Arroyo-Abad, U., Lischka, S., Piechotta, C., **Mattusch, J.**, **Reemtsma, T.** (2013): Determination and identification of hydrophilic and hydrophobic arsenic species in methanol extract of fresh cod liver by RP-HPLC with simultaneous ICP-MS and ESI-Q-TOF-MS detection
Food Chem. **141** (3), 3093 - 3102
18. **Avlyush, S.**, **Schäffer, M.**, **Borchardt, D.** (2013): Life cycles and habitat selection of two sympatric mayflies under extreme continental climate (River Kharaa, Mongolia)
Int. Rev. Hydrobiol. **98** (3), 141 - 154
19. **Ayllón, D.**, Nicola, G.G., Elvira, B., Parra, I., Almodóvar, A. (2013): Thermal carrying capacity for a thermally-sensitive species at the warmest edge of its range
PLOS One **8** (11), e81354
20. Bacht, M., Rösner, S., Müller, J., Pfeifer, R., **Stadler, J.**, Brandl, R., Opgenoorth, L. (2013): Are Ring Ouzel (*Turdus torquatus*) populations of the low mountain ranges remnants of a broader distribution in the past?
J. Ornithol. **154** (1), 231 - 237
21. Baeten, L., Verheyen, K., Wirth, C., Bruelheide, H., Bussotti, F., Finér, L., Jaroszewicz, B., Selvi, F., Valladares, F., Allan, E., Ampoorter, E., **Auge, H.**, Avăcăriei, D., Barbaro, L., Bärnoaiea, I., Bastias, C.C., Bauhus, J., Beinhoff, C., Benavides, R., Benneter, A., Berger, S., Berthold, F., Boberg, J., Bonal, D., Brüggemann, W., Carnol, M., Castagneyrol, B., Charbonnier, Y., Chečko, E., Coomes, D., Coppi, A., Dalmaris, E., Dănilă, G., Dawud, S.M., de Vries, W., De Wandeler, H., Deconchat, M., Domisch, T., Duduman, G., Fischer, M., Fotelli, M., Gessler, A., Gimeno, T.E., Granier, A., Grossiord, C., Guyot, V., Hantsch, L., Hättenschwiler, S., Hector, A., Hermy, M., Holland, V., Jactel, H., Joly, F.-X., Jucker, T., Kolb, S., Koricheva, J., Lexer, M.J., Liebergesell, M., Milligan, H., Müller, S., Muys, B., Nguyen, D., Nichiforel, L., Pollastrini, M., Proulx, R., Rabasa, S., Radoglou, K., Ratcliffe, S., Raulund-Rasmussen, K., Seiferling, I., Stenlid, J., Vesterdal, L., von Wilpert, K., Zavala, M.A., Zielinski, D., Scherer-Lorenzen, M. (2013): A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests
Perspect. Plant Ecol. Evol. Syst. **15** (5), 281 - 291

22. Bailleul, F., **Grimm, V.**, Chion, C., Hammill, M. (2013):
Modeling implications of food resource aggregation on animal migration phenology
Ecology and Evolution **3** (8), 2535 - 2546
23. Ballhorn, D.J., Kautz, S., **Schädler, M.** (2013):
Induced plant defense via volatile production is dependent on rhizobial symbiosis
Oecologia **172** (3), 833 - 846
24. **Banitz, T., Johst, K., Wick, L.Y., Schamfuß, S., Harms, H., Frank, K.** (2013):
Highways versus pipelines: contributions of two fungal transport mechanisms to efficient bioremediation
Environ. Microbiol. Rep. **5** (2), 211 - 218
25. **Bankamp, D., Seppelt, R.** (2013):
Managing resources of a limited planet – or, how to organise an environmentally friendly congress
Environ. Modell. Softw. **46** , 299 - 303
26. **Banzhaf, E., Reyes-Paecke, S., Müller, A., Kindler, A.** (2013):
Do demographic and land-use changes contrast urban and suburban dynamics? A sophisticated reflection on Santiago de Chile
Habitat Int. **39** , 179 - 191
27. Barry, D.A., Sander, G.C., **Jomaa, S.**, Yeghiazarian, L., Steenhuis, T.S., Selker, J.S. (2013):
Solute and sediment transport at laboratory and field scale: contributions of J.-Y. Parlange
Water Resour. Res. **49** (10), 6111 - 6136
28. Bartholmai, M., Neumann, P.P., **Lazik, D.** (2013):
Multifunctional sensor for monitoring of CO₂ underground storage by comprehensive and spatially resolved measuring of gas concentrations, temperature and structural changes
Energy Procedia **37** , 4033 - 4040
29. **Bartsch, S., Peiffer, S., Shope, C.L., Arnhold, S., Jeong, J.-J., Park, J.-H., Eum, J., Kim, B., Fleckenstein, J.H.** (2013):
Monsoonal-type climate or land-use management: Understanding their role in the mobilization of nitrate and DOC in a mountainous catchment
J. Hydrol. **507** , 149 - 162
30. Baruffol, M., Schmid, B., Bruelheide, H., Chi, X., Hector, A., Ma, K., **Michalski, S.**, Tang, Z., Niklaus, P.A. (2013):
Biodiversity promotes tree growth during succession in subtropical forest
PLOS One **8** (11), e81246

31. **Bashir, S., Fischer, A., Nijenhuis, I., Richnow, H.H.** (2013):
Enantioselective carbon stable isotope fractionation of
hexachlorocyclohexane during aerobic biodegradation by *Sphingobium* spp.
Environ. Sci. Technol. **47** (20), 11432 - 11439
32. **Bastida, F.**, Torres, I.F., Hernández, T., **Bombach, P.**, **Richnow, H.H.**, García, C. (2013):
Can the labile carbon contribute to carbon immobilization in semiarid soils? Priming
effects and microbial community dynamics
Soil Biol. Biochem. **57**, 892 - 902
33. Błaszkowski, J., Chwat, G., Kovács, G.M., Gáspár, B., Ryszka, P., Orlowska, E.,
Pagano, M.C., Araújo, F., **Wubet, T.**, **Buscot, F.** (2013):
Septoglomus fuscum and *S. furcatum*, two new species of arbuscular mycorrhizal fungi
(Glomeromycota)
Mycologia **105** (3), 670 - 680
34. Batáry, P., Sutcliffe, L., **Dormann, C.F.**, Tscharntke, T. (2013):
Organic farming favours insect-pollinated over non-insect pollinated forbs in meadows
and wheat fields
PLOS One **8** (1), e54818
35. **Bathe, F., Klauer, B., Schiller, J.** (2013):
Kann die Wasserwirtschaft die „wichtigen Wasserbewirtschaftungsfragen“ lösen? Is
water management able to cope with the „Significant Water Management Issues“?
Wasserwirtschaft **103** (1/2), 56 - 61
36. Bauer, S., Beyer, C., Dethlefsen, F., **Dietrich, P.**, Duttmann, R., Ebert, M., Feeser,
V., **Görke, U.**, Köber, R., **Kolditz, O.**, Rabbel, W., Schanz, T., Schäfer, D., Würdemann,
H., Dahmke, A. (2013):
Impacts of the use of the geological subsurface for energy storage: an investigation
concept
Environ. Earth Sci. **70** (8), 3935 - 3943
37. **Becher, M.**, Osborne, J.L., Thorbek, P., Kennedy, P.J., **Grimm, V.** (2013):
Towards a systems approach for understanding honeybee decline: a stocktaking and
synthesis of existing models
J. Appl. Ecol. **50** (4), 868 - 880

38. **Beck, S.**, Böschens, S., Kropf, C., Voss, M. (2013):
Jenseits des Anpassungsmanagements. Zu den Potenzialen sozialwissenschaftlicher Klimawandelforschung. Beyond adaptation management. What role(s) for social sciences in research on climate change? Reaktion auf zwei Artikel zur sozialwissenschaftlichen Anpassungsforschung. T. Grothmann et al. 2011. GAIA 20/2: 84 –90; U. von Winterfeld. 2012. GAIA 21/3: 168 –170
GAIA **22** (1), 8 - 13
39. **Bedulina, D.S.**, Evgen'ev, M.B., Timofeyev, M.A., **Protopopova, M.V.**, Garbuza, D.G., **Pavlichenko, V.V.**, Luckenbach, T., Shatilina, Z.M., Axenov-Gribanov, D.V., Gurkov, A.N., Sokolova, I.M., Zatsepina, O.G. (2013):
Expression patterns and organization of the *hsp70* genes correlate with thermotolerance in two congener endemic amphipod species (*Eulimnogammarus cyaneus* and *E. verrucosus*) from Lake Baikal
Mol. Ecol. **22** (5), 1416 - 1430
40. Begerow, D., **Wubet, T.** (2013):
Host specificity of fungal phyllosphere communities of tropical trees (abstr.)
Phytopathology **103** (Suppl. 2), S2.13 - S2.14
41. **Beketov, M.A.**, Cedergreen, N., **Wick, L.Y.**, **Kattwinkel, M.**, **Duquesne, S.**, Liess, M. (2013):
Sediment toxicity testing for prospective risk assessment - a new framework and how to establish it
Hum. Ecol. Risk Assess. **19** (1), 98 - 117
42. **Beketov, M.A.**, **Kattwinkel, M.**, Liess, M. (2013):
Statistics matter: data aggregation improves identification of community-level effects compared to a commonly used multivariate method
Ecotoxicology **22** (10), 1516 - 1525
43. **Beketov, M.A.**, Kefford, B.J., Schäfer, R.B., Liess, M. (2013):
Pesticides reduce regional biodiversity of stream invertebrates
Proc. Natl. Acad. Sci. U.S.A. **110** (27), 11039 - 11043
44. Bennett, N.D., Croke, B.F.W., Guariso, G., Guillaume, J.H.A., Hamilton, S.H., Jakeman, A.J., Marsili-Libelli, S., Newham, L.T.H., Norton, J.P., Perrin, C., Pierce, S.A., Robson, B., **Seppelt, R.**, Voinov, A.A., Fath, B.D., Andreassian, V. (2013):
Characterising performance of environmental models
Environ. Modell. Softw. **40** , 1 - 20
45. Bennke, C.M., **Neu, T.R.**, Fuchs, B.M., Amann, R. (2013):
Mapping glycoconjugate-mediated interactions of marine *Bacteroidetes* with diatoms
Syst. Appl. Microbiol. **36** (6), 417 - 425

46. Bernauer, U., Schulte, A., **Moeder, M., Schrader, S., Reemtsma, T.** (2013):
Asymmetric phthalates - a special case for risk assessment
Toxicol. Lett. **221** (Suppl.), S220 - S220
47. Betzholtz, P.-E., **Franzén, M.** (2013):
Ecological characteristics associated with high mobility in night-active moths
Basic Appl. Ecol. **14** (3), 271 - 279
48. Betzholtz, P.-E., Pettersson, L.B., Ryrholm, N., **Franzén, M.** (2013):
With that diet, you will go far: trait-based analysis reveals a link between rapid range expansion and a nitrogen-favoured diet
Proc. R. Soc. B-Biol. Sci. **280** (1750), art. 20122305
49. **Bezama, A.**, Douglas, C., Méndez, J., Szarka, N., Muñoz, E., Navia, R., **Schock, S.**, Konrad, O., Ulloa, C. (2013):
Life cycle comparison of waste-to-energy alternatives for municipal waste treatment in Chilean Patagonia
Waste Manage. Res. **31** (10 (Suppl.)), 67 - 74
50. **Bezama, A.**, Flores, A., Araneda, A., Barra, R., Pereira, E., Hernández, V., Moya, H., Konrad, O., Quiroz, R. (2013):
Assessment and optimization of an ultrasound-assisted washing process using organic solvents for polychlorinated biphenyl-contaminated soil
Waste Manage. Res. **31** (10), 969 - 978
51. Bizkarguenaga, E., Iparragirre, A., Navarro, P., Olivares, M., **Prieto, A.**, Vallejo, A., Zuloaga, O. (2013):
In-port derivatization after sorptive extractions
J. Chromatogr. A **1296** , 36 - 46
52. **Bleyl, S., Kopinke, F.-D., Georgi, A., Mackenzie, K.** (2013):
Carbo-Iron – ein maßgeschneidertes Reagenz zur In-situ-Grundwassersanierung remediation
Chem. Ing. Tech. **85** (8), 1302 - 1311
53. Blumert, C., **Kalkhof, S.**, Brocke-Heidrich, K., Kohajda, T., **von Bergen, M.**, Horn, F. (2013):
Analysis of the STAT3 interactome using in-situ biotinylation and SILAC
J. Proteomics **94** , 370 - 386
54. **Bocaniov, S.A.**, Barton, D.R., Schiff, S.L., Smith, R.E.H. (2013):
Impact of tributary DOM and nutrient inputs on the nearshore ecology of a large, oligotrophic lake (Georgian Bay, Lake Huron, Canada)
Aquat. Sci. **75** (2), 321 - 332

55. Boch, S., Prati, D., Müller, J., Socher, S., Baumbach, H., **Buscot, F.**, Gockel, S., Hemp, A., Hessenmöller, D., Kalko, E.K.V., Linsenmair, K.E., Pfeiffer, S., Pommer, U., Schöning, I., Schulze, E.-D., Seilwinder, C., Weisser, W.W., Wells, K., Fischer, M. (2013):
High plant species richness indicates management-related disturbances rather than the conservation status of forests
Basic Appl. Ecol. **14** (6), 496 - 505
56. Bodelier, P.L.E., Meima-Franke, M., Hordijk, C.A., Steenbergh, A.K., Hefting, M.E., Bodrossy, L., **von Bergen, M.**, **Seifert, J.** (2013):
Microbial minorities modulate methane consumption through niche partitioning
ISME J. **7**, 2214 - 2228
57. **Boehrer, B.**, Fukuyama, R., Chikita, K. (2013):
Geothermal heat flux into deep caldera lakes Shikotsu, Kuttara, Tazawa and Towada
Limnology **14** (2), 129 - 134
58. **Boehrer, B.**, Golmen, L., Løvik, J.E., **Rahn, K.**, Klaveness, D. (2013):
Thermobaric stratification in very deep Norwegian freshwater lakes
J. Gt. Lakes Res. **39** (4), 690 - 695
59. Böhm, M., Collen, B., Baillie, J.E.M., Bowles, P., Chanson, J., Cox, N., Hammerson, G., Hoffmann, M., Livingstone, S.R., Ram, M., Rhodin, A.G.J., Stuart, S.N., van Dijk , P.P., Young, B.E., Afuang, L.E., Aghasyan, A., García, A., Aguilar, C., Ajtic, R., Akarsu, F., Alencar, L.R.V., Allison, A., Ananjeva, N., Anderson, S., Andrén, C., Ariano-Sánchez, D., Arredondo, J.C., **Auliya, M.**, Austin, C.C., et al. (2013):
The conservation status of the world's reptiles
Biol. Conserv. **157** , 375 - 385
60. **Böhme, A.**, **Zhang, W.**, **Schüürmann, G.** (2013):
Identification of potential skin sensitizers based on non-animal chemoassay and in vitro bioassay information
Abstr. Paper Am. Chem. Soc. **246** , 336-ENVR
61. Boll, K., **Reiche, K.**, Kasack, K., Mörbt, N., Kretzschmar, A.K., **Tomm, J.M.**, Verhaegh, G., Schalken, J., **von Bergen, M.**, Horn, F., **Hackermüller, J.** (2013):
MiR-130a, miR-203 and miR-205 jointly repress key oncogenic pathways and are downregulated in prostate carcinoma
Oncogene **32** , 277 - 285
62. Bozau, E., **Stärk, H.-J.**, **Strauch, G.** (2013):
Hydrogeochemical characteristics of spring water in the Harz Mountains, Germany
Chem. Erde-Geochem. **73** (3), 283 - 292

63. Brauchler, R., Böhm, G., Leven, C., **Dietrich, P.**, Sauter, M. (2013):
A laboratory study of tracer tomography
Hydrogeol. J. **21** (6), 1265 - 1274
64. Brauchler, R., Hu, R., Jiménez, S., Bayer, P., **Dietrich, P.**, Ptak, T. (2013):
Rapid field application of hydraulic tomography for resolving aquifer heterogeneity in
unconsolidated sediments
Water Resour. Res. **49** (4), 2013 - 2024
65. **Bräuer, K.**, Kämpf, H., Niedermann, S., **Strauch, G.** (2013):
Indications for the existence of different magmatic reservoirs beneath the Eifel area
(Germany): a multi-isotope (C, N, He, Ne, Ar) approach
Chem. Geol. **356** , 193 - 208
66. Bravo, D., Cailleau, G., **Bindschedler, S.**, Simon, A., Job, D., Verrecchia, E., Junier, P.
(2013):
Isolation of oxalotrophic bacteria able to disperse on fungal mycelium
FEMS Microbiol. Lett. **348** (2), 157 - 166
67. Brigode, P., Bernardara, P., Gailhard, J., Garavaglia, F., Ribstein, P., **Merz, R.** (2013):
Optimization of the geopotential heights information used in a rainfall-based weather
patterns classification over Austria
Int. J. Climatol. **33** (6), 1563 - 1573
68. Brocca, L., Liersch, S., Melone, F., Moramarco, T., **Volk, M.** (2013):
Application of a model-based rainfall-runoff database as efficient tool for flood risk
management
Hydrol. Earth Syst. Sci. **17** , 3159 - 3169
69. Brock, C., **Franko, U.**, Oberholzer, H.-R., **Kuka, K.**, Leithold, G., Kolbe, H., Reinhold,
J. (2013):
Humus balancing in Central Europe-concepts, state of the art, and further challenges
J. Plant Nutr. Soil Sci. **176** (1), 3 - 11
70. **Brown, T.N.**, Stenzel, A., Goss, K.-U. (2013):
Assessing the reliability of QSAR predictions for structurally complex chemicals
Abstr. Paper Am. Chem. Soc. **246** , 64-ENVR
71. **Buchmann, C.M.**, Schurr, F.M., Nathan, R., Jeltsch, F. (2013):
Habitat loss and fragmentation affecting mammal and bird communities - the role of
interspecific competition and individual space use
Ecol. Inform. **14** , 90 - 98

72. **Bühligen, F.**, Rüdinger, P., **Fetzer, I.**, Stahl, F., Scheper, T., **Harms, H.**, **Müller, S.** (2013): Sustainability of industrial yeast serial repitching practice studied by gene expression and correlation analysis
J. Biotechnol. **168** (4), 718 - 728
73. Buist, H., Aldenberg, T., Batke, M., Escher, S., Klein Entink, R., **Kühne, R.**, Marquart, H., Pauné, E., Rorije, E., **Schüürmann, G.**, Kroese, D. (2013): The OSIRIS Weight of Evidence approach: ITS mutagenicity and ITS carcinogenicity
Regul. Toxicol. Pharmacol. **67** (2), 170 - 181
74. Bunce, R.G.H., Bogers, M.M.B., Evans, D., Halada, L., Jongman, R.H.G., Mucher, C.A., **Bauch, B.**, de Blust, G., Parr, T.W., Olsvig-Whittaker, L. (2013): The significance of habitats as indicators of biodiversity and their links to species
Ecol. Indic. **33** , 19 - 25
75. **Bunzel, K.**, **Kattwinkel, M.**, **Liess, M.** (2013): Effects of organic pollutants from wastewater treatment plants on aquatic invertebrate communities
Water Res. **47** (2), 597 - 606
76. Burgess, R.M., Ho, K.T., **Brack, W.**, Lamoree, M. (2013): Effects-directed analysis (EDA) and toxicity identification evaluation (TIE): Complementary but different approaches for diagnosing causes of environmental toxicity
Environ. Toxicol. Chem. **32** (9), 1935 - 1945
77. Busskamp, R., **Richter, S.**, Mohaupt, V. (2013): Implementation of action programmes complying with the European Water Framework Directive in Germany - national determinations and sampled interim results from river basins and federal waterways
Hydrol. Wasserbewirtsch. **57** (6), 289 - 292
78. **Büttner, O.**, **Tittel, J.** (2013): Uncertainties in dissolved organic carbon load estimation in a small stream
J. Hydrol. Hydromech. **61** (1), 81 - 83
79. Cacace, M., Blöcher, G., **Watanabe, N.**, Moeck, I., Börsing, N., Scheck-Wenderoth, M., **Kolditz, O.**, Huenges, E. (2013): Modelling of fractured carbonate reservoirs: outline of a novel technique via a case study from the Molasse Basin, southern Bavaria, Germany
Environ. Earth Sci. **70** (8), 3585 - 3602

80. **Carl, G., Doktor, D., Koslowsky, D., Kühn, I.** (2013):
Phase difference analysis of temperature and vegetation phenology for beech forest: a wavelet approach
Stoch. Environ. Res. Risk Assess. **27** (5), 1221 - 1230
81. **Carminati, A., Vetterlein, D.** (2013):
Plasticity of rhizosphere hydraulic properties as a key for efficient utilization of scarce resources
Ann. Bot. **112** (2), 277 - 290
82. **Carminati, A., Vetterlein, D., Koebernick, Nicolai, Blaser, Sebastian, Weller, U., Vogel, H.-J.** (2013):
Do roots mind the gap?
Plant Soil **367** (1-2), 651 - 661
83. Carmona-Martínez, A.A., Harnisch, F., **Kuhlicke, U., Neu, T.R.**, Schröder, U. (2013):
Electron transfer and biofilm formation of *Shewanella putrefaciens* as function of anode potential
Bioelectrochemistry **93** , 23 - 29
84. Casas, L., Tiesler, C., Thiering, E., Brüske, I., Koletzko, S., Bauer, C.P.,
Wichmann, H.-E., von Berg, A., Berdel, D., Krämer, U., Schaaf, B., **Lehmann, I.**,
Herbarth, O., Sunyer, J., Heinrich, J. (2013):
Indoor factors and behavioural problems in children: the GINIplus and LISApplus birth cohort studies
Int. J. Hyg. Environ. Health. **216** (2), 146 - 154
85. Cavalheiro, J., **Prieto, A.**, Monperrus, M., Etxebarria, N., Zuloaga, O. (2013):
Determination of polycyclic and nitro musks in environmental water samples by means of microextraction by packed sorbents coupled to large volume injection-gas chromatography-mass spectrometry analysis
Anal. Chim. Acta **773** , 68 - 75
86. **Centler, F., Heße, F., Thullner, M.** (2013):
Estimating pathway-specific contributions to biodegradation in aquifers based on dual isotope analysis: theoretical analysis and reactive transport simulations
J. Contam. Hydrol. **152** , 97 - 116
87. **Chatzinotas, A., Schellenberger, S., Glaser, K., Kolb, S.** (2013):
Assimilation of cellulose-derived carbon by microeukaryotes in oxic and anoxic slurries of an aerated soil
Appl. Environ. Microb. **79** (18), 5777 - 5781

88. Chen, L., **Meissner, R.**, Zhang, Y., Xiao, H. (2013):
Studies on dew formation and its meteorological factors
Journal of Food, Agriculture and Environment **11** (2), 1063 - 1068
89. Chen, Y., Hermens, J.L.M., **Droge, S.T.J.** (2013):
Influence of organic matter type and medium composition on the sorption affinity of C12-benzalkonium cation
Environ. Pollut. **179**, 153 - 159
90. Chiaia-Hernandez, A.C., **Krauss, M.**, Hollender, J. (2013):
Screening of lake sediments for emerging contaminants by liquid chromatography atmospheric pressure photoionization and electrospray ionization coupled to high resolution mass spectrometry
Environ. Sci. Technol. **47** (2), 976 - 986
91. Chmura, D., Csontos, P., **Sendek, A.** (2013):
Seed mass variation in central European populations of invasive *Impatiens glandulifera* Royle
Pol. J. Ecol. **61** (4), 805 - 809
92. Chumacero de Schawe, C., **Durka, W.**, Tscharntke, T., Hensen, I., Kessler, M. (2013):
Gene flow and genetic diversity in cultivated and wild cacao (*Theobroma cacao*) in Bolivia
Am. J. Bot. **100** (11), 2271 - 2279
93. Connolly, J., Bell, T., Bolger, T., Brophy, C., Carnus, T., Finn, J.A., Kirwan, L., Isbell, F., Levine, J., Lüscher, A., Picasso, V., **Roscher, C.**, Sebastia, M.T., Suter, M., Weigelt, A. (2013):
An improved model to predict the effects of changing biodiversity levels on ecosystem function
J. Ecol. **101** (2), 344 - 355
94. **Cord, A.F.**, Meentemeyer, R.K., **Leitão, P.J.**, **Václavík, T.** (2013):
Modelling species distributions with remote sensing data: bridging disciplinary perspectives
J. Biogeogr. **40** (12), 2226 - 2227
95. Cornelissen, G., Bashshur, M.R., **Rode, J.**, Le Menestrel, M. (2013):
Rules or consequences? The role of ethical mind-sets in moral dynamics
Psychol. Sci. **24** (4), 482 - 488

96. Czamara, D., Tiesler, C.M.T., Kohlböck, G., Berdel, D., Hoffmann, B., Bauer, C.-P., Koletzko, S., Schaaf, B., **Lehmann, I.**, Herbarth, O., von Berg, A., Müller-Myhsok, B., Schulte-Körne, G., Heinrich, J. (2013): Children with ADHD Symptoms Have a Higher Risk for Reading, Spelling and Math Difficulties in the GINIplus and LISApplus Cohort Studies
PLOS One **8** (5), e63859
97. **David, T., Borchardt, D., von Tümping, W.**, Krebs, P. (2013): Combined sewer overflows, sediment accumulation and element patterns of river bed sediments: a quantitative study based on mixing models of composite fingerprints
Environ. Earth Sci. **69** (2), 479 - 489
98. **De Angelo, C.**, Paviolo, A., **Wiegand, T.**, **Kanagaraj, R.**, Di Bitetti, M.S. (2013): Understanding species persistence for defining conservation actions: a management landscape for jaguars in the Atlantic Forest
Biol. Conserv. **159** , 422 - 433
99. **De Biase, C.**, Carminati, A., Oswald, S.E., **Thullner, M.** (2013): Numerical modeling analysis of VOC removal processes in different aerobic vertical flow systems for groundwater remediation
J. Contam. Hydrol. **154** , 53 - 69
100. de Mazancourt, C., Isbell, F., Larocque, A., Berendse, F., De Luca, E., Grace, J.B., Haegeman, B., Wayne Polley, H., **Roscher, C.**, Schmid, B., Tilman, D., van Ruijven, J., Weigelt, A., Wilsey, B.J., Loreau, M. (2013): Predicting ecosystem stability from community composition and biodiversity
Ecol. Lett. **16** (5), 617 - 625
101. **de Rooij, G.H.** (2013): Aquifer-scale flow equations as generalized linear reservoir models for strip and circular aquifers: links between the Darcian and the aquifer scale
Water Resour. Res. **49** (12), 8605 - 8615
102. **Delfs, J.-O., Wang, W., Kalbacher, T., Singh, A.K., Kolditz, O.** (2013): A coupled surface/subsurface flow model accounting for air entrapment and air pressure counterflow
Environ. Earth Sci. **69** (2), 395 - 414
103. Demchenko, P., Gektin, A., Krasnikov, A., Pashuk, I., Shalapska, T., **Stryganyuk, G.**, Voloshinovskii, A., Zazubovich, S. (2013): Energy migration and $Gd^{3+} \leftrightarrow Ce^{3+}$ transfer in Ce^{3+} -doped GdP_3O_9 metaphosphate
J. Phys. D-Appl. Phys. **46** (23), 235103

104. Demyan, M.S., Rasche, F., **Schütt, M.**, Smirnova, N., **Schulz, E.**, Cadisch, G. (2013): Combining a coupled FTIR-EGA system and in situ DRIFTS for studying soil organic matter in arable soils
Biogeosciences **10**, 2897 - 2913
105. Dennis, P.G., **Harnisch, F.**, Yeoh, Y.K., Tyson, G.W., Rabaey, K. (2013): Dynamics of cathode-associated microbial communities and metabolite profiles in a glycerol-fed bioelectrochemical system
Appl. Environ. Microb. **79** (13), 4008 - 4014
106. **Dieker, P.**, Drees, C., Schmitt, T., Assmann, C. (2013): Low genetic diversity of a high mountain burnet moth species in the Pyrenees
Conserv. Genet. **14** (1), 231 - 236
107. **Dierke, C.**, **Werban, U.** (2013): Relationships between gamma-ray data and soil properties at an agricultural test site
Geoderma **199**, 90 - 98
108. **Diniz Gonçalves, T.**, **Fischer, T.**, **Gräbe, A.**, **Kolditz, O.**, **Weiss, H.** (2013): Groundwater flow model of the Pipiripau watershed, Federal District of Brazil
Environ. Earth Sci. **69** (2), 617 - 631
109. Domonell, A., **Brabender, M.**, Nitsche, F., Bonkowski, M., Arndt, H. (2013): Community structure of cultivable protists in different grassland and forest soils of Thuringia
Pedobiologia **56** (1), 1 - 7
110. **Dormann, C.F.**, Elith, J., Bacher, S., **Buchmann, C.**, **Carl, G.**, Carré, G., García Márquez, J.R., **Gruber, B.**, Lafourcade, B., Leitão, P.J., Münkemüller, T., McClean, C., Osborne, P.E., Reineking, B., Schröder, B., Skidmore, A.K., Zurell, D., **Lautenbach, S.** (2013): Collinearity: a review of methods to deal with it and a simulation study evaluating their performance
Ecography **36** (1), 27 - 46
111. Drechsler, A., Geller, D., Freund, K., **Schmeller, D.S.**, Künzel, S., Rupp, O., **Loyau, A.**, Denoël, M., Valbuena-Ureña, E., Steinfartz, S. (2013): What remains from a 454 run: estimation of success rates of microsatellite loci development in selected newt species (*Calotriton asper*, *Lissotriton helveticus*, and *Triturus cristatus*) and comparison with Illumina-based approaches
Ecology and Evolution **3** (11), 3947 - 3957

112. **Droge, S.T.J., Goss, K.-U.** (2013):
Ion-exchange affinity of organic cations to natural organic matter: influence of amine type and nonionic interactions at two different pHs
Environ. Sci. Technol. **47** (2), 798 - 806
113. **Droge, S.T.J., Goss, K.-U.** (2013):
Development and evaluation of a new sorption model for organic cations in soil: contributions from organic matter and clay minerals
Environ. Sci. Technol. **47** (24), 14233 - 14241
114. **Droge, S.T.J., Goss, K.-U.** (2013):
Sorption of organic cations to phyllosilicate clay minerals: CEC-normalization, salt dependency, and the role of electrostatic and hydrophobic effects
Environ. Sci. Technol. **47** (24), 14224 - 14232
115. Duan, T.H., **Adrian, L.** (2013):
Enrichment of hexachlorobenzene and 1,3,5-trichlorobenzene transforming bacteria from sediments in Germany and Vietnam
Biodegradation **24** (4), 513 - 520
116. Dubbert, M., **Cuntz, M., Piayda, A.**, Maguás, C., Werner, C. (2013):
Partitioning evapotranspiration – Testing the Craig and Gordon model with field measurements of oxygen isotope ratios of evaporative fluxes
J. Hydrol. **496** , 142 - 153
117. Dullinger, S., Essl, F., Rabitsch, W., Erb, K.-H., Gingrich, S., Haberl, H., Hülber, K., Jarošík, V., Krausmann, F., **Kühn, I.**, Pergl, J., Pyšek, P., Hulme, P.E. (2013):
Europe's other debt crisis caused by the long legacy of future extinctions
Proc. Natl. Acad. Sci. U.S.A. **110** (18), 7342 - 7347
118. **Durka, W.**, Nossol, C., Ruprecht, E., **Wagner, V.**, Welk, E., Hensen, I. (2013):
Extreme genetic depauperation and differentiation of both populations and species European feather grasses (*Stipa*)
Plant Syst. Evol. **299** (1), 259 - 269
119. Eberlein, C., Estelmann, S., **Seifert, J., von Bergen, M.**, Müller, M., Meckenstock, R.U., Boll, M. (2013):
Identification and characterization of 2-naphthoyl-coenzyme A reductase, the prototype of a novel class of dearomatizing reductases
Mol. Microbiol. **88** (5), 1032 - 1039
120. **Eigemann, F.**, Hilt, S., **Schmitt-Jansen, M.** (2013):
Flow cytometry as a diagnostic tool for the effects of polyphenolic allelochemicals on phytoplankton
Aquat. Bot. **104** , 5 - 14

121. Elawwad, A., Sandner, H., **Kappelmeyer, U.**, Koeser, H. (2013):
Long-term starvation and subsequent recovery of nitrifiers in aerated submerged fixed-bed biofilm reactors
Environ. Technol. **34** (8), 945 - 959
122. **Endo, S., Brown, T.N., Goss, K.-U.** (2013):
General model for estimating partition coefficients to organisms and their tissues using the biological compositions and polyparameter linear free energy relationships
Environ. Sci. Technol. **47** (12), 6630 - 6639
123. **Endo, S., Geisler, A., Goss, K.-U.** (2013):
Response to the comment on "Partitioning of polar and non-polar neutral organic chemicals into human and cow milk"
Environ. Int. **61** , 154 - 154
124. **Endo, S., Goss, K.-U.** (2013):
Applications of polyparameter linear free energy relationships (PP-LFERs) for evaluating environmentally relevant partition coefficients of organic chemicals
Abstr. Paper Am. Chem. Soc. **246** , 67-ENVR
125. **Endo, S., Mewburn, B., Escher, B.I.** (2013):
Liposome and protein–water partitioning of polybrominated diphenyl ethers (PBDEs)
Chemosphere **90** (2), 505 - 511
126. **Endo, S., Yuyama, M., Takada, H.** (2013):
Desorption kinetics of hydrophobic organic contaminants from marine plastic pellets
Mar. Pollut. Bull. **74** (1), 125 - 131
127. Engelmann, C., Prywerek, D., **Krohn, S.**, Boehlig, A., Herber, A., **Chatzinotas, A.**, **Fetzer, I.**, Boehm, S., Berg, T. (2013):
Bacterial DNA detection in ascites fluid in cirrhotic patients: molecular characterisation and clinical impact
Hepatology **58** (S1), 866A
128. Epting, J., **Händel, F.**, Huggenberger, P. (2013):
Thermal management of an unconsolidated shallow urban groundwater body
Hydrol. Earth Syst. Sci. **17** (5), 1851 - 1869
129. Escher, B.I., van Daele, C., Dutt, M., Tang, J.Y.M., **Altenburger, R.** (2013):
Most oxidative stress response in water samples comes from unknown chemicals: the need for effect-based water quality trigger values
Environ. Sci. Technol. **47** (13), 7002 - 7011

130. Escher, S., Tluczkiewicz, I., **Kühne, R.**, **Ebert, R.-U.**, **Schüürmann, G.**, Mangelsdorf, I. (2013):
TTC: a new concept for inhalation exposure
Toxicol. Lett. **221** (Suppl.), S230 - S230
131. Essl, F., Moser, D., Dirnböck, T., Dullinger, S., Milasowszky, N., **Winter, M.**, Rabitsch, W. (2013):
Native, alien, endemic, threatened, and extinct species diversity in European countries
Biol. Conserv. **164**, 90 - 97
132. Evans, M.R., Bithell, M., Cornell, S.J., Dall, S.R.X., Díaz, S., Emmott, S., Ernande, B., **Grimm, V.**, Hodgson, D.J., Lewis, S.L., Mace, G.M., Morecroft, M., Moustakas, A., Murphy, E., Newbold, T., Norris, K.J., Petchey, O., Smith, M., Travis, J.M.J., Benton, T.G. (2013):
Predictive systems ecology
Proc. R. Soc. B-Biol. Sci. **280** (1771), art. 20131452
133. Evans, M.R., **Grimm, V.**, **Johst, K.**, Knuutila, T., de Langhe, R., Lessells, C.M., Merz, M., O'Malley, M.A., Orzack, S.H., Weisberg, M., Wilkinson, D.J., Wolkenhauer, O., Benton, T.G. (2013):
Do simple models lead to generality in ecology?
Trends Ecol. Evol. **28** (10), 578 - 583
134. **Falaleeva, M.**, **Rauschmayer, F.** (2013):
Evaluating environmental governance in a Belarusian World Bank biodiversity project
Environ. Conserv. **40** (2), 147 - 156
135. **Fedriani, J.M.**, Delibes, M. (2013):
Pulp feeders alter plant interactions with subsequent animal associates
J. Ecol. **101** (6), 1581 - 1588
136. Ferrer, M., Ruiz, A., Lanza, F., **Haange, S.-B.**, Oberbach, A., Till, H., Bargiela, R., Campoy, C., Segura, M.T., Richter, M., **von Bergen, M.**, **Seifert, J.**, Suarez, A. (2013):
Microbiota from the distal guts of lean and obese adolescents exhibit partial functional redundancy besides clear differences in community structure
Environ. Microbiol. **15** (1), 211 - 226
137. **Fester, T.** (2013):
Arbuscular mycorrhizal fungi in a wetland constructed for benzene-, methyl tert-butyl ether- and ammonia-contaminated groundwater bioremediation
Microb. Biotechnol. **6** (1), 80 - 84

138. **Fester, T., Fetzer, I., Härtig, C.** (2013):
A core set of metabolite sink/source ratios indicative for plant organ productivity in *Lotus japonicus*
Planta **237** (1), 145 - 160
139. Fida, T.T., Moreno-Forero, S.K., **Heipieper, H.J.**, Springael, D. (2013):
Physiology and transcriptome of the polycyclic aromatic hydrocarbon-degrading *Sphingomonas* sp. LH128 after long-term starvation
Microbiology-(UK) **159** (9), 1807 - 1817
140. Filz, K.J., **Wiemers, M.**, Herrig, A., Weitzel, M., Schmitt, T. (2013):
A question of adaptability – climate and habitat change lower trait diversity in butterfly communities in south-western Germany
Eur. J. Entomol. **110** (4), 633 - 642
141. **Finkenbein, P.**, Kretschmer, K., **Kuka, K.**, **Klotz, S.**, Heilmeier, H. (2013):
Soil enzyme activities as bioindicators for substrate quality in revegetation of a subtropical coal mining dump
Soil Biol. Biochem. **56** , 87 - 89
142. **Fischer, B., Klauer, B., Schiller, J.** (2013):
Prospects for sustainable land-use policy in Germany: experimenting with a sustainability heuristic
Ecol. Econ. **95** , 213 - 220
143. Fischer, S., **Klüver, N.**, **Burkhardt-Medicke, K.**, **Pietsch, M.**, **Schmidt, A.-M.**, **Wellner, P.**, Schirmer, K., **Luckenbach, T.** (2013):
Abcb4 acts as multixenobiotic transporter and active barrier against chemical uptake in zebrafish (*Danio rerio*) embryos
BMC Biol. **11** , art. 69
144. Fleck, A.T., **Mattusch, J.**, Schenk, M.K. (2013):
Silicon decreases the arsenic level in rice grain by limiting arsenite transport
J. Plant Nutr. Soil Sci. **176** (5), 785 - 794
145. Flörke, M., Kynast, E., **Bärlund, I.**, Eisner, S., Wimmer, F., Alcamo, J. (2013):
Domestic and industrial water uses of the past 60 years as a mirror of socio-economic development: a global simulation study
Glob. Environ. Change **23** (1), 144 - 156
146. Fonder, N., **Headley, T.** (2013):
The taxonomy of treatment wetlands: A proposed classification and nomenclature system
Ecol. Eng. **51** , 203 - 211

147. **Franck, U.**, Krüger, M., **Schwarz, N.**, **Großmann, K.**, **Röder, S.**, **Schlink, U.** (2013): Heat stress in urban areas: indoor and outdoor temperatures in different urban structure types and subjectively reported well-being during a heat wave in the city of Leipzig
Meteorologische Zeitschrift **22** (2), 167 - 177
148. Franz, C., Makeschin, F., **Weiß, H.**, Lorz, C. (2013): Geochemical signature and properties of sediment sources and alluvial sediments within the Lago Paranoá catchment, Brasilia DF: a study on anthropogenic introduced chemical elements in an urban river basin
Sci. Total Environ. **452-453**, 411 - 420
149. **Franz, K.W.**, Romanowski, J., **Johst, K.**, **Grimm, V.** (2013): Ranking landscape development scenarios affecting natterjack toad (*Bufo calamita*) population dynamics in central Poland
PLOS One **8** (5), e64852
150. **Franzén, M.**, Nilsson, S.G. (2013): High population variability and source–sink dynamics in a solitary bee species
Ecology **94** (6), 1400 - 1408
151. **Franzén, M.**, Nilsson, S.G., Johansson, V., Ranius, T. (2013): Population fluctuations and synchrony of grassland butterflies in relation to species traits
PLOS One **8** (10), e78233
152. Freudnerberger, L., Hobson, P.R., Rupic, S., **Pe'er, G.**, Schluck, M., Sauermann, J., Kreft, S., Selva, N., Ibisch, P.L. (2013): Spatial road disturbance index (SPROADI) for conservation planning: a novel landscape index, demonstrated for the State of Brandenburg, Germany
Landscape Ecol. **28** (7), 1353 - 1369
153. Fründ, J., **Dormann, C.F.**, Holzschuh, A., Tscharntke, T. (2013): Bee diversity effects on pollination depend on functional complementarity and niche shifts
Ecology **94** (9), 2042 - 2054
154. Fuertes, E., Brauer, M., MacIntyre, E., **Bauer, M.**, Bellander, T., von Berg, A., Berdel, D., Brunekreef, B., Chan-Yeung, M., Gehring, U., Herbarth, O., Hoffmann, B., Kerkhof, M., Klümper, C., Koletzko, S., Kozyrskyj, A., Kull, I., Heinrich, J., Melén, E., Pershagen, G., Postma, D., Tiesler, C.M.T., Carlsten, C. (2013): Childhood allergic rhinitis, traffic-related air pollution, and variability in the *GSTP1*, *TNF*, *TLR2*, and *TLR4* genes: results from the TAG Study
J. Allergy Clin. Immunol. **132** (2), 342 - 352.e2

155. Galic, N., Hengeveld, G., van den Brink, P.J., **Schmolke, A.**, Thorbek, P., Baveco, H.M. (2013):
Persistence of aquatic insects across managed landscapes: effects of landscape permeability on re-colonization and population recovery
PLOS One **8** (1), e54584
156. **Gallampois, C.M.J.**, Schymanski, E.L., Bataineh, M., Buchinger, S., **Krauss, M.**, Reifferscheid, G., **Brack, W.** (2013):
Integrated biological–chemical approach for the isolation and selection of polyaromatic mutagens in surface waters
Anal. Bioanal. Chem. **405** (28), 9101 - 9112
157. Gangoso, L., Agudo, R., **Anadón, J.D.**, de la Riva, M., Suleyman, A.S., Porter, R., Donázar, J.A. (2013):
Reinventing mutualism between humans and wild fauna: insights from vultures as ecosystem services providers
Conserv. Lett. **6** (3), 172 - 179
158. Gao, C., Shi, N.-N., Liu, Y.-X., Peay, K.G., Zheng, Y., Ding, Q., Mi, X.-C., Ma, K.-P., **Wubet, T.**, **Buscot, F.**, Guo, L.-D. (2013):
Host plant genus-level diversity is the best predictor of ectomycorrhizal fungal diversity in a Chinese subtropical forest
Mol. Ecol. **22** (12), 3403 - 3414
159. **Gawel, E.** (2013):
Sachsen beendet Wasserkraft-Befreiung vom Wasserentnahmeeentgelt
Wasserwirtschaft **103** (5), 155 - 156
160. **Gawel, E., Bernsen, K.** (2013):
What is wrong with virtual water trading? On the limitations of the virtual water concept
Environ. Plan. C-Gov. Policy **31** (1), 168 - 181
161. **Gawel, E., Korte, K., Lehmann, P., Strunz, S.** (2013):
Effizient oder nicht effizient – das ist hier die Frage! Spielt Effizienz in der Energiewendepolitik wirklich keine Rolle? Reaktion auf M. Pahle et al. 2012. Die deutsche Energiewende: gesellschaftliches Experiment und sozialer Lernprozess. GAIA 21/4: 284 – 287. To be or not to be efficient? That is the question! Does efficiency really not matter for the German energy transition policy?
GAIA **22** (1), 14 - 17
162. **Gawel, E., Purkus, A.** (2013):
Promoting the market and system integration of renewable energies through premium schemes – a case study of the German market premium
Energy Policy **61** , 599 - 609

163. **Gawel, E., Sigel, K.**, Bretschneider, W. (2013):
Affordability of water supply in Mongolia - empirical lessons for measuring affordability
Water Policy **15** (1), 19 - 42
164. **Gawel, E., Strunz, S., Lehmann, P.** (2013):
Germany's energy transition under attack: is there an inscrutable German Sonderweg?
Nat. Cult. **8** (2), 121 - 133
165. Gergs, A., Zenker, A., **Grimm, V.**, Preuss, T.G. (2013):
Chemical and natural stressors combined: from cryptic effects to population extinction
Sci. Rep. **3**, 2036
166. **Giebler, J., Wick, L.Y., Chatzinotas, A., Harms, H.** (2013):
Alkane-degrading bacteria at the soil–litter interface: comparing isolates with
T-RFLP-based community profiles
FEMS Microbiol. Ecol. **86** (1), 45 - 58
167. **Giebler, J., Wick, L.Y., Schloter, M., Harms, H., Chatzinotas, A.** (2013):
Evaluating the assignment of *alkB* terminal restriction fragments and sequence types to
distinct bacterial taxa
Appl. Environ. Microb. **79** (9), 3129 - 3132
168. **Girardi, C., Nowak, K.M., Carranza Diaz, O.**, Lewkow, B., **Miltner, A., Gehre, M.**,
, Schäffer, A., **Kästner, M.** (2013):
Microbial degradation of the pharmaceutical ibuprofen and the herbicide 2,4-D in water
and soil - use and limits of data obtained from aqueous systems for predicting their fate in
soil
Sci. Total Environ. **444**, 32 - 42
169. Glavan, M., Pintar, M., **Volk, M.** (2013):
Land use change in a 200-year period and its effect on blue and green water flow in two
Slovenian Mediterranean catchments - lessons for the future
Hydrol. Process. **27** (26), 3964 - 3980
170. Goh, C.S., Cocchi, M., Junginger, M., Marchal, D., **Thrän, D.**, Hennig, C., Heinimö, J.,
Nikolaisen, L., Schouwenberg, P.-P., Bradley, D., Hess, R., Jacobson, J., Ovard, L.,
Deutmeyer, M. (2013):
Wood pellet market and trade: a global perspective
Biofuels Bioprod. Biorefining **7** (1), 24 - 42
171. **Göhler, M., Mai, J., Cuntz, M.** (2013):
Use of eigendecomposition in a parameter sensitivity analysis of the Community Land
Model
J. Geophys. Res. **118** (2), 904 - 921

172. **Gonzalez-Olmos, R., Kopinke, F.-D., Mackenzie, K., Georgi, A.** (2013):
Hydrophobic Fe-zeolites for removal of MTBE from water by combination of adsorption and oxidation
Environ. Sci. Technol. **47** (5), 2353 - 2360
173. González-Varo, J.P., Biesmeijer, J.C., Bommarco, R., Potts, S.G., **Schweiger, O.**, Smith, H.G., Steffan-Dewenter, I., Szentgyörgyi, H., Woyciechowski, M., Vilà, M. (2013):
Combined effects of global change pressures on animal-mediated pollination
Trends Ecol. Evol. **28** (9), 524 - 530
174. **Goss, K.-U., Brown, T.N., Endo, S.** (2013):
Elimination half-life as a metric for the bioaccumulation potential of chemicals in aquatic and terrestrial food chains
Environ. Toxicol. Chem. **32** (7), 1663 - 1671
175. Gossner, M.M., **Getzin, S.**, Lange, M., Pašalić, E., Türke, M., Wiegand, K., Weisser, W.W. (2013):
The importance of heterogeneity revisited from a multiscale and multitaxa approach
Biol. Conserv. **166** , 212 - 220
176. **Gräbe, A., Rödiger, T., Rink, K., Fischer, T., Sun, F., Wang, W., Siebert, C., Kolditz, O.** (2013):
Numerical analysis of the groundwater regime in the western Dead Sea escarpment, Israel + West Bank
Environ. Earth Sci. **69** (2), 571 - 585
177. Graeber, D., Pusch, M.T., Lorenz, S., **Brauns, M.** (2013):
Cascading effects of flow reduction on the benthic invertebrate community in a lowland river
Hydrobiologia **717** (1), 147 - 159
178. Grathwohl, P., **Rügner, H.**, Wöhling, T., **Osenbrück, K.**, Schwientek, M., Gayler, S., **Wollschläger, U.**, Selle, B., Pause, M., Delfs, J.-O., Grzeschik, M., Weller, U., Ivanov, M., Cirpka, O.A., Maier, U., Kuch, B., Nowak, W., Wulfmeyer, V., Warrach-Sagi, K., Streck, T., Attinger, S., Bilke, L., Dietrich, P., Fleckenstein, J.H., Kalbacher, T., Kolditz, O., Rink, K., Samaniego, L., Vogel, H.-J., Werban, U., Teutsch, G. (2013):
Catchments as reactors: a comprehensive approach for water fluxes and solute turnover
Environ. Earth Sci. **69** (2), 317 - 333
179. **Groeneveld, J.**, Enright, N.J., Lamont, B.B., Reineking, B., **Frank, K.**, Perry, G.L.W. (2013):
Species-specific traits plus stabilizing processes best explain coexistence in biodiverse fire-prone plant communities
PLOS One **8** (5), e65084

180. **Großmann, K.**, Bontje, M., **Haase, A.**, Mykhnenko, V. (2013):
Shrinking cities: notes for the further research agenda
Cities **35** , 221 - 225
181. **Gross, M.** (2013):
Old science fiction, new inspiration: communicating unknowns in the utilization of geothermal energy
Sci. Commun. **35** (6), 810 - 818
182. **Gross, M., Bleicher, A.** (2013):
'It's always dark in front of the pickaxe': Organizing ignorance in the long term remediation of contaminated land
Time Soc. **22** (3), 316 - 334
183. Guazzaroni, M.-E., **Herbst, F.-A.**, Lores, I., Tamames, J., Peláez, A.I., López-Cortés, N., Alcaide, M., del Pozo, M.V., Vieites, J.M., **von Bergen, M.**, Gallego, J.L.R., Bargiela, R., López-López, A., Pieper, D.H., Rosselló-Móra, R., Sánchez, J., **Seifert, J.**, Ferrer, M. (2013):
Metaproteogenomic insights beyond bacterial response to naphthalene exposure and bio-stimulation
ISME J. **7** , 122 - 136
184. Gulkowska, A., Sander, M., Hollender, J., **Krauss, M.** (2013):
Covalent binding of sulfamethazine to natural and synthetic humic acids: assessing laccase catalysis and covalent bond stability
Environ. Sci. Technol. **47** (13), 6916 - 6924
185. **Haase, D.** (2013):
Participatory modelling of vulnerability and adaptive capacity in flood risk management
Nat. Hazards **67** (1), 77 - 97
186. **Haase, D., Kabisch, N., Haase, A.** (2013):
Endless urban growth? On the mismatch of population, household and urban land area growth and its effects on the urban debate
PLOS One **8** (6), e66531
187. **Hachmöller, B., Paasche, H.** (2013):
Integration of surface-based tomographic models for zonation and multimodel guided extrapolation of sparsely known petrophysical parameters
Geophysics **78** (4), EN43 - EN53

188. Haffert, L., Haeckel, M., Liebetrau, V., Berndt, C., Hensen, C., Nuzzo, M., Reitz, A., Scholz, F., Schönfeld, J., Perez-Garcia, C., **Weise, S.M.** (2013): Fluid evolution and authigenic mineral paragenesis related to salt diapirism - The Mercator mud volcano in the Gulf of Cadiz
Geochim. Cosmochim. Acta **106**, 261 - 286
189. Hagedorn, F., Hiltbrunner, D., Streit, K., Ekblad, A., Lindahl, B., **Miltner, A.**, Frey, B., Handa, I.T., Hättenschwiler, S. (2013): Nine years of CO₂ enrichment at the Alpine treeline stimulates soil respiration but does not alter soil microbial communities
Soil Biol. Biochem. **57**, 390 - 400
190. **Halbedel, S., Büttner, O., Weitere, M.** (2013): Linkage between the temporal and spatial variability of dissolved organic matter and whole-stream metabolism
Biogeosciences **10** (8), 5555 - 5569
191. **Halbedel, S., Koschorreck, M.** (2013): Regulation of CO₂ emissions from temperate streams and reservoirs
Biogeosciences **10** (11), 7539 - 7551
192. Hamasha, H.R., Schmidt-Lebuhn, A.N., **Durka, W.**, Schleuning, M., Hensen, I. (2013): Bioclimatic regions influence genetic structure of four Jordanian *Stipa* species
Plant Biol. **15** (5), 882 - 891
193. **Händel, F.**, Liedl, R., Fank, J., Rock, G. (2013): Regional modeling of geothermal energy systems in shallow aquifers: the Leibnitzer Feld case study (Austria)
Environ. Earth Sci. **70** (8), 3433 - 3446
194. Harguineguy, C.A., **Schreiber, R.**, Pignata, M.L. (2013): *Myriophyllum aquaticum* as a biomonitor of water heavy metal input related to agricultural activities in the Xanaes River (Córdoba, Argentina)
Ecol. Indic. **27**, 8 - 16
195. **Harnisch, F.**, Blei, I., dos Santos, T.R., Möller, M., Nilges, P., Eilts, P., Schröder, U. (2013): From the test-tube to the test-engine: assessing the suitability of prospective liquid biofuel compounds
RSC Advances **3** (25), 9594 - 9605
196. **Harnisch, F.**, Saltherammer, T. (2013): Die Chemie bei Breaking Bad. Ein Chemiker als Serienprotagonist
Chem. unserer Zeit **47** (4), 214 - 221

197. Harold, S., Wong, Y., Baguette, M., Bonsall, M.B., Clobert, J., Royle, N.J., **Settele, J.** (2013):
BMC Ecology image competition: the winning images
BMC Ecology **13**, art. 6
198. Hartmann, T., Mühling, M., Wolf, A., **Mariana, F., Maskow, T., Mertens, F., Neu, T.R., Lerchner, J.** (2013):
A chip-calorimetric approach to the analysis of Ag nanoparticle caused inhibition and inactivation of beads-grown bacterial biofilms
J. Microbiol. Methods **95** (2), 129 - 137
199. **Hauck, J., Görg, C.,** Varjopuro, R., Ratamäki, O., **Jax, K.** (2013):
Benefits and limitations of the ecosystem services concept in environmental policy and decision making: some stakeholder perspectives
Environ. Sci. Policy **25**, 13 - 21
200. **Hauck, J., Görg, C.,** Varjopuro, R., Ratamäki, O., Maes, J., **Wittmer, H., Jax, K.** (2013):
“Maps have an air of authority”: potential benefits and challenges of ecosystem service maps at different levels of decision making
Ecosystem Services **4**, 25 - 32
201. **Hauck, J., Schweppe-Kraft, B., Albert, C., Görg, C., Jax, K.,** Jensen, R., Fürst, C., Maes, J., **Ring, I.,** Höningová, I., Burkhard, B., Mehring, M., Tiefenbach, M., Grunewald, K., Schwarzer, M., Meurer, M., Sommerhäuser, M., **Priess, J.A., Schmidt, J., Grêt-Regamey, A.** (2013):
The promise of the ecosystem services concept for planning and decision-making
GAIA **22** (4), 232 - 236
202. **Hausmann, J., Steinel, H., Kreck, M., Werban, U., Vienken, T., Dietrich, P.** (2013):
Two-dimensional geomorphological characterization of a filled abandoned meander using geophysical methods and soil sampling
Geomorphology **201**, 335 - 343
203. **Headley, T., Nivala, J.,** Kassa, K., Olsson, L., Wallace, S., Brix, H., **van Afferden, M., Müller, R.** (2013):
Escherichia coli removal and internal dynamics in subsurface flow ecotechnologies: Effects of design and plants
Ecol. Eng. **61** (Part B), 564 - 574
204. Heger, T., Pahl, A.T., Botta-Dukát, Z., Gherardi, F., Hoppe, C., Hoste, I., **Jax, K., Lindström, L., Boets, P., Haider, S., Kollmann, J., Wittmann, M.J., Jeschke, J.M.** (2013):
Conceptual frameworks and methods for advancing invasion ecology
Ambio **42** (5), 527 - 540

205. Heinrichs, D., **Krella**, K., Fragkias, M. (2013):
Urban responses to climate change: theories and governance practice in cities of the
global South
Int. J. Urban Reg. Res. **37** (6), 1865 - 1878
206. Hempel, S., **Götzenberger**, L., **Kühn**, I., **Michalski**, S., Rillig, M.C., Zobel, M., Moora,
M. (2013):
Mycorrhizas in the Central European flora - relationships with plant life history traits and
ecology
Ecology **94** (6), 1389 - 1399
207. **Henle**, K., **Bauch**, B., **Auliya**, M., Külvik, M., **Pe'er**, G., **Schmeller**, D.S., Framstad, E.
(2013):
Priorities for biodiversity monitoring in Europe: a review of supranational policies and a
novel scheme for integrative prioritization
Ecol. Indic. **33** , 5 - 18
208. **Herberth**, G., **Bauer**, M., **Gasch**, M., **Hinz**, D., **Röder**, S., Olek, S., **Kohajda**, T.,
, **Rolle-Kampczyk**, U., **von Bergen-Tomm**, M., Sack, U., Borte, M., **Lehmann**, I.
(2013):
Maternal and cord blood miR-223 expression associates with prenatal tobacco smoke
exposure and with low Treg numbers
Allergy **68** (Suppl. 97), 628 - 628
209. **Herberth**, G., Herzog, T., **Hinz**, D., **Röder**, S., **Schilde**, M., Sack, U., Diez,
U., Borte, M., **Lehmann**, I. (2013):
Renovation activities during pregnancy induce a Th2 shift in fetal but not in maternal
immune system
Int. J. Hyg. Environ. Health. **216** (3), 309 - 316
210. Herbes, C., Loßner, M., **Gawel**, E. (2013):
Wirtschaftlichkeitsberechnung von Biomethan im Gebäudesektor. Wettbewerbsprobleme
beim Einsatz nach EEWärmeG
BWK : das Energie-Fachmagazin **65** (11/12), 52 - 56
211. **Herbst**, F.-A., **Bahr**, A., Duarte, M., Pieper, D.H., **Richnow**, H.-H., **von Bergen**, M.,
, **Seifert**, J., **Bombach**, P. (2013):
Elucidation of *in situ* polycyclic aromatic hydrocarbon degradation by functional
metaproteomics (protein-SIP)
Proteomics **13** (18-19), 2910 - 2920

212. **Herbst, F.-A., Taubert, M., Jehmlich, N., Behr, T., Schmidt, F., von Bergen, M., Seifert, J.** (2013):
Sulfur-³⁴S stable isotope labeling of amino acids for quantification
(SULAQ34) of proteomic changes in *Pseudomonas fluorescens* during naphthalene
degradation
Mol. Cell. Proteomics **12** (8), 2060 - 2069
213. Herold, N., Schöning, I., **Gutknecht, J.**, Alt, F., Boch, S., Müller, J., Oelmann,
Y., Socher, S.A., Wilcke, W., **Wubet, T.**, Schrumpf, M. (2013):
Soil property and management effects on grassland microbial communities across a
latitudinal gradient in Germany
Appl. Soil Ecol. **73** , 41 - 50
214. Herrmann, T.M., **Schüttler, E.**, Benavides, P., Gálvez, N., Söhn, L., Palomo, N. (2013):
Values, animal symbolism, and human-animal relationships associated to two threatened
felids in Mapuche and Chilean local narratives
J. Ethnobiol. Ethnomed. **9** , art. 41
215. **Heße, F., Prykhodko, V., Attinger, S.** (2013):
Assessing the validity of a lower-dimensional representation of fractures for numerical
and analytical investigations
Adv. Water Resour. **56** , 35 - 48
216. Hessling, B., Bonn, F., Otto, A., **Herbst, F.-A.**, Rappen, G.-M., Bernhardt, J., Hecker,
M., Becher, D. (2013):
Global proteome analysis of vancomycin stress in *Staphylococcus aureus*
Int. J. Med. Microbiol. **303** (8), 624 - 634
217. **Heubach, K.**, Wittig, R., Nuppenau, E.A., Hahn, K. (2013):
Local values, social differentiation and conservation efforts: the impact of ethnic
affiliation on the valuation of NTFP-species in Northern Benin, West Africa
Hum. Ecol. **41** (4), 513 - 533
218. Holdt, L.M., von Delft, A., Nicolaou, A., **Baumann, S.**, Kostrzewa, M., Thiery, J.,
Teupser, D. (2013):
Quantitative trait loci mapping of the mouse plasma proteome (pQTL)
Genetics **193** (2), 601 - 608
219. **Holzer, F., Buchenhorst, D., Köhler, R., Gaffron, A., Weiß, H., Kopinke, F.-D., Roland, U.** (2013):
Demonstration of in situ radio-frequency heating at a former industrial site
Chem. Eng. Technol. **36** (7), 1108 - 1116

220. Huenges, E., Kohl, T., **Kolditz, O.**, Bremer, J., Scheck-Wenderoth, M., **Vienken, T.** (2013): Geothermal energy systems: research perspective for domestic energy provision
Environ. Earth Sci. **70** (8), 3927 - 3933
221. **Hug, C., Ulrich, N., Schulze, T., Brack, W., Krauss, M.** (2013): Identification of novel micropollutants in wastewater by a combination of suspect and nontarget screening
Environ. Pollut. **184** , 25 - 32
222. Hug, L.A., Maphosa, F., Leys, D., Löffler, F.E., Smidt, H., Edwards, E.A., **Adrian, L.** (2013): Overview of organohalide-respiring bacteria and a proposal for a classification system for reductive dehalogenases
Philos. Trans. R. Soc. B-Biol. Sci. **368** (1616), 20120322
223. Hutter, G., **Kuhlicke, C.**, Glade, T., Felgentreff, C. (2013): Natural hazards and resilience: exploring institutional and organizational dimensions of social resilience
Nat. Hazards **67** (1), 1 - 6
224. Ihaddaden, A., **Velázquez, E.**, Rey-Benayas, J.M., Kadi-Hanifi, H. (2013): Climate and vegetation structure determine plant diversity in *Quercus ilex* woodlands along an aridity and human-use gradient in Northern Algeria
Flora **208** (4), 268 - 284
225. Irawan, S., Tacconi, L., **Ring, I.** (2013): Stakeholders' incentives for land-use change and REDD+: the case of Indonesia
Ecol. Econ. **87** , 75 - 83
226. Iskander, B., Menéndez, S., Duñabeitia, M., Merino, P., Stange, C.F., **Spott, O.**, González-Murua, C., Estavillo, J.M. (2013): Greenhouse gas fluxes (CO₂, N₂O, and CH₄) from forest soils in the Basque Country: comparison of different tree species and growth stages
For. Ecol. Manage. **310** , 600 - 611
227. Jackisch, C., Zehe, E., **Samaniego, L.**, **Singh, A.K.** (2013): An experiment to gauge an ungauged catchment: rapid data assessment and eco-hydrological modelling in a data scarce rural catchment
Hydrol. Sci. J.-J. Sci. Hydrol.
228. Jackson, P., Jacobsen, N.R., Baun, A., Birkedal, R., **Kühnel, D.**, Jensen, K.A., Vogel, U., Wallin, H. (2013): Bioaccumulation and ecotoxicity of carbon nanotubes
Chem. Cent. J. **7** , 154

229. Jaekel, U., **Musat, N.**, Adam, B., Kuypers, M., Grundmann, O., Musat, F. (2013): Anaerobic degradation of propane and butane by sulfate-reducing bacteria enriched from marine hydrocarbon cold seeps
ISME J. **7**, 885 - 895
230. Jäger, N., Schlesner, M., Jones, D.T.W., Raffel, S., Mallm, J.-P., **Junge, K.M.**, Weichenhan, D., Bauer, T., Ishaque, N., Kool, M., Northcott, P.A., Korshunov, A., Drews, R.M., Koster, J., Versteeg, R., Richter, J., Hummel, M., Mack, S.C., Taylor, M.D., Witt, H., Swartman, B., Schulte-Bockholt, D., Sultan, M., Yaspo, M.-L., Lehrach, H., Hutter, B., Brors, B., Wolf, S., Plass, C., Siebert, R., Trumpp, A., Rippe, K., **Lehmann, I.**, Licherter, P., Pfister, S.M., Eils, R. (2013): Hypermutation of the inactive X chromosome is a frequent event in cancer
Cell **155** (3), 567 - 581
231. Jager, T., **Martin, B.T.**, Zimmer, E.I. (2013): DEBkiss or the quest for the simplest generic model of animal life history
J. Theor. Biol. **328**, 9 - 18
232. **Jahn, M.**, Mölle, A., Rödel, G., Ostermann, K. (2013): Temporal and spatial properties of a yeast multi-cellular amplification system based on signal molecule diffusion
Sensors **13** (11), 14511 - 14522
233. **Jahn, M.**, Seifert, J., von Bergen, M., Schmid, A., Bühler, B., Müller, S. (2013): Subpopulation-proteomics in prokaryotic populations
Curr. Opin. Biotechnol. **24** (1), 79 - 87
234. **Jax, K.** (2013): Saving species and what it means to be human. "The value of species. Edward L. McCord. Yale University Press, 2012. 184 pp. \$25.00 (ISBN 978-0-30017657-5)". Book review
Bioscience **63** (1), 56 - 57
235. **Jax, K.**, Barton, D.N., Chan, K.M.A., Doyle, U., Eser, U., **Görg, C.**, Gómez-Bagethun, E., Griewald, Y., Haber, W., Haines-Young, R., **Heink, U.**, Jahn, T., Joosten, H., Kerschbaumer, L., Korn, H., Luck, G.W., Matzdorf, B., Muraca, B., **Neßhöver, C.**, Norton, B., Ott, K., Potschin, M., **Rauschmayer, F.**, von Haaren, C., Wichmann, S. (2013): Ecosystem services and ethics
Ecol. Econ. **93**, 260 - 268
236. **Jechalke, S.**, Franchini, A., Bastida, F., Bombach, P., Rosell, M., Seifert, J., von Bergen, M., Vogt, C., Richnow, H.H. (2013): Analysis of structure, function, and activity of a benzene-degrading microbial community
FEMS Microbiol. Ecol. **85** (1), 14 - 26

237. Jeltsch, F., Blaum, N., Brose, U., Chipperfield, J.D., Clough, Y., Farwig, N., Geissler, K., Graham, C.H., **Grimm, V.**, Hickler, T., **Huth, A.**, **May, F.**, Meyer, K.M., Pagel, J., Reineking, B., Rillig, M.C., Shea, K., Schurr, F.M., Schröder, B., Tielbörger, K., Weiss, L., Wiegand, K., **Wiegand, T.**, Wirth, C., **Zurell, D.** (2013):
How can we bring together empiricists and modellers in functional biodiversity research?
Basic Appl. Ecol. **14** (2), 93 - 101
238. **Jeschke, C.**, Falagán, C., **Knöller, K.**, **Schultze, M.**, **Koschorreck, M.** (2013):
No nitrification in lakes below pH 3
Environ. Sci. Technol. **47** (24), 14018 - 14023
239. **Ji, L.**, **Schüürmann, G.** (2013):
Model and mechanism: N-hydroxylation of primary aromatic amines by cytochrome-P450
Angew. Chem.-Int. Edit. **52** (2), 744 - 748
240. **Johst, K.**, Lima, M., Berryman, A.A. (2013):
Scaling up: how do exogenous fluctuations in individual-based resource competition models re-emerge in aggregated stochastic population models?
Popul. Ecol. **55** (1), 173 - 182
241. **Jomaa, S.**, Barry, D.A., Heng, B.C.P., Brovelli, A., Sander, G.C., Parlange, J.-Y. (2013):
Effect of antecedent conditions and specific rock fragment cover on soil erosion dynamics through multiple rainfall events
J. Hydrol. **484** , 115 - 127
242. Jonason, D., **Franzén, M.**, Pettersson, L.B. (2013):
Transient peak in moth diversity as a response to organic farming
Basic Appl. Ecol. **14** (6), 515 - 522
243. Jordanova, D., Jordanova, N., **Werban, U.** (2013):
Environmental significance of magnetic properties of Gley soils near Rosslau (Germany)
Environ. Earth Sci. **69** (5), 1719 - 1732
244. **Junge, K.M.**, **Lehmann, I.**, **Borte, M.** (2013):
Can vitamin D intake during pregnancy affect the risk of allergy in children?
Expert Rev. Clin. Immunol. **9** (8), 699 - 701
245. **Kabisch, N.**, **Haase, D.** (2013):
Green spaces of European cities revisited for 1990–2006
Landsc. Urban Plan. **110** , 113 - 122

246. **Kabisch, S., Grossmann, K.** (2013):
Challenges for large housing estates in light of population decline and ageing: results of a long-term survey in East Germany
Habitat Int. **39**, 232 - 239
247. **Kabisch, S., Grossmann, K.** (2013):
Grosswohnsiedlungen als Gestaltungsraum des demografischen Wandels. Ausgewählte Ergebnisse einer Langzeitstudie in der ostdeutschen Grosswohnsiedlung Leipzig-Grünau zu Potenzialen eines unterschätzten Quartierstyps
disP **49** (2), 60 - 74
248. **Kamjunke, N., Büttner, O., Jäger, C.G., Marcus, H., von Tümpeling, W., Halbedel, S., Norf, H., Brauns, M., Baborowski, M., Wild, R., Borchardt, D., Weitere, M.** (2013):
Biogeochemical patterns in a river network along a land use gradient
Environ. Monit. Assess. **185** (11), 9221 - 9236
249. Kämpf, H., **Bräuer, K.**, Schumann, J., Hahne, K., **Strauch, G.** (2013):
CO₂ discharge in an active, non-volcanic continental rift area (Czech Republic): Characterisation ($\delta^{13}\text{C}$, $^3\text{He}/^4\text{He}$) and quantification of diffuse and vent CO₂ emissions
Chem. Geol. **339**, 71 - 83
250. **Kanagaraj, R., Wiegand, T., Kramer-Schadt, S.**, Goyal, S.P. (2013):
Using individual-based movement models to assess inter-patch connectivity for large carnivores in fragmented landscapes
Biol. Conserv. **167**, 298 - 309
251. **Kanagaraj, R., Wiegand, T.**, Mohamed, A., Kramer-Schadt, S. (2013):
Modelling species distributions to map the road towards carnivore conservation in the tropics
Raffles Bull. Zool. (Suppl. 28), 85 - 107
252. **Kästner, M.**, Nowak, K.M., **Miltner, A.**, Trapp, S., Schäffer, A. (2013):
Classification and modelling of non-extractable residue (NER) formation of xenobiotics in soil—a synthesis
Crit. Rev. Environ. Sci. Technol.
253. Kaszycki, P., Walski, T., **Hachicho, N., Heipieper, H.J.** (2013):
Biostimulation by methanol enables the methylotrophic yeasts *Hansenula polymorpha* and *Trichosporon* sp. to reveal high formaldehyde biodegradation potential as well as to adapt to this toxic pollutant
Appl. Microbiol. Biotechnol. **97** (12), 5555 - 5564

254. Kaufhold, T., **Schmidt, M.**, Cichocka, D., **Nikolausz, M.**, **Nijenhuis, I.** (2013): Dehalogenation of diverse halogenated substrates by a highly enriched *Dehalococcoides*-containing culture derived from the contaminated mega-site in Bitterfeld
FEMS Microbiol. Ecol. **83** (1), 176 - 188
255. Kautz, T., Amelung, W., Ewert, F., Gaiser, T., Horn, R., Jahn, R., Javaux, M., Kemna, A., Kuzyakov, Y., Munch, J.C., Pätzold, S., Peth, S., Scherer, H.W., Schloter, M., Schneider, H., Vanderborght, J., **Vetterlein, D.**, Walter, A., Wiesenbergs, G.L., Köpke, U. (2013): Nutrient acquisition from arable subsoils in temperate climates: a review
Soil Biol. Biochem. **57** , 1003 - 1022
256. Kelle, D., Fechter, D., **Singer, A.**, Pratje, P., Storch, I. (2013): Determining sensitive parameters for the population viability of reintroduced Sumatran orangutans (*Pongo abelii*)
Int. J. Primatol. **34** (2), 423 - 442
257. Kempka, T., Class, H., **Görke, U.-J.**, Norden, B., **Kolditz, O.**, Kühn, M., Walter, B., **Wang, W.**, **Zehner, B.** (2013): A dynamic flow simulation code intercomparison based on the revised static model of the Ketzin pilot site
Energy Procedia **40** , 418 - 427
258. Kent, R., Levanoni, O., Banker, E., **Pe'er, G.**, Kark, S. (2013): Comparing the response of birds and butterflies to vegetation-based mountain ecotones using boundary detection approaches
PLOS One **8** (3), e58229
259. **Kerimoglu, O.**, **Rinke, K.** (2013): Stratification dynamics in a shallow reservoir under different hydro-meteorological scenarios and operational strategies
Water Resour. Res. **49** (11), 7518 - 7527
260. Keune, H., Kretsch, C., de Blust, G., Gilbert, M., Flandroy, L., Van den Berge, K., Versteirt, V., Hartig, T., De Keersmaecker, L., Eggermont, H., Brosens, D., Dessein, J., Vanwambeke, S., Prieur-Richard, A.H., **Wittmer, H.**, Van Herzele, A., Linard, C., Martens, P., Mathijs, E., Simoens, I., Van Damme, P., Volckaert, F., Heyman, P., Bauler, T. (2013): Science–policy challenges for biodiversity, public health and urbanization: examples from Belgium
Environ. Res. Lett. **8** , art. 025015

261. Kienel, U., Plessen, B., Schettler, G., **Weise, S.**, Pinkerneil, S., Böhnel, H., Englebrecht, A.C., Haug, G.H. (2013):
Sensitivity of a hypersaline crater lake to the seasonality of rainfall, evaporation, and guano supply
Fundam. Appl. Limnol. **183** (2), 135 - 152
262. **Kistner, I., Ollesch, G., Meissner, R., Rode, M.** (2013):
Spatial-temporal dynamics of water soluble phosphorus in the topsoil of a low mountain range catchment
Agric. Ecosyst. Environ. **176** , 24 - 38
263. Klaschka, U., **von der Ohe, P.C.**, Bschorer, A., Krezmer, S., Sengl, M., Letzel, M. (2013):
Occurrences and potential risks of 16 fragrances in five German sewage treatment plants and their receiving waters
Environ. Sci. Pollut. Res. **20** (4), 2456 - 2471
264. **Klassert, C., Möckel, S.** (2013):
Improving the policy mix: the scope for market-based instruments in EU biodiversity policy
Environmental Policy and Governance **23** (5), 311 - 322
265. **Klauer, B., Manstetten, R., Petersen, T., Schiller, J.** (2013):
The art of long-term thinking: a bridge between sustainability science and politics
Ecol. Econ. **93** , 79 - 84
266. Klein, T., Holzkämper, A., Calanca, P., **Seppelt, R.**, Fuhrer, J. (2013):
Adapting agricultural land management to climate change: a regional multi-objective optimization approach
Landscape Ecol. **28** (10), 2029 - 2047
267. **Kliemt, S., Lange, C., Otto, W., Hintze, V., Möller, S., von Bergen, M., Hempel, U., Kalkhof, S.** (2013):
Sulfated hyaluronan containing collagen matrices enhance cell-matrix-interaction, endocytosis, and osteogenic differentiation of human mesenchymal stromal cells
J. Proteome Res. **12** (1), 378 - 389
268. Knag, A.C., Sebire, M., Mayer, I., Meier, S., **Renner, P.**, Katsiadaki, I. (2013):
In vivo endocrine effects of naphthenic acids in fish
Chemosphere **93** (10), 2356 - 2364
269. **Knillmann, S., Stampfli, N.C., Noskov, Y.A., Beketov, M.A., Liess, M.** (2013):
Elevated temperature prolongs long-term effects of a pesticide on *Daphnia* spp. due to altered competition in zooplankton communities
Glob. Change Biol. **19** (5), 1598 - 1609

270. Koch, A., Ziegler, T., Böhme, W., Arida, E., **Auliya, M.** (2013):
Pressing problems: distribution, threats, and conservation status of the
monitor lizards (Varanidae: *Varanus* spp.) of Southeast Asia and the Indo-Australian
Archipelago
Herpetol. Conserv. Biol. **8** (Monograph 3), 1 - 62
271. **Koch, C., Fetzer, I., Harms, H., Müller, S.** (2013):
CHIC—an automated approach for the detection of dynamic variations in complex
microbial communities
Cytom. Part A **83** (6), 561 - 567
272. **Koch, C., Fetzer, I., Schmidt, T., Harms, H., Müller, S.** (2013):
Monitoring functions in managed microbial systems by cytometric bar coding
Environ. Sci. Technol. **47** (3), 1753 - 1760
273. **Koch, C., Günther, S., Desta, A.F., Hübschmann, T., Müller, S.** (2013):
Cytometric fingerprinting for analyzing microbial intracommunity structure variation and
identifying subcommunity function
Nat. Protoc. **8** (1), 190 - 202
274. Kohlboeck, G., Koletzko, S., Bauer, C.-P., von Berg, A., Berdel, D., Krämer,
U., Schaaf, B., **Lehmann, I.**, Herbarth, O., Heinrich, J. (2013):
Association of atopic and non-atopic asthma with emotional symptoms in school children
Pediatr. Allergy Immunol. **24** (3), 230 - 236
275. Kolaříková, K., **von Tümpeling, W., Bartels, P.** (2013):
Bioaccumulation of HCH isomers in selected macroinvertebrates from the Elbe River:
sources and environmental implications
Environ. Monit. Assess. **185** (5), 4333 - 4346
276. Kolb, A., **Durka, W.** (2013):
Reduced genetic variation mainly affects early rather than late life-cycle stages
Biol. Conserv. **159** , 367 - 374
277. **Kolditz, O., Rügner, H., Grathwohl, P., Dietrich, P., Streck, T.** (2013):
WEES: an interdisciplinary approach to catchment research
Environ. Earth Sci. **69** (2), 313 - 315
278. Koop, B.J., **Fleckenstein, J.H.**, Roulet, N.T., Humphreys, E., Talbot, J., Blodau, C.
(2013):
Impact of long-term drainage on summer groundwater flow patterns in the Mer Bleue
peatland, Ontario, Canada
Hydrol. Earth Syst. Sci. **17** (9), 3485 - 3498

279. Kötschau, A., Büchel, G., Einax, J.W., Fischer, C., **von Tümping, W.**, Merten, D. (2013):
Mapping of macro and micro elements in the leaves of sunflower (*Helianthus annuus*) by laser ablation-ICP-MS
Microchem J. **110** (9), 783 - 789
280. **Kraan, C.**, Aarts, G., Piersma, T., **Dormann, C.F.** (2013):
Temporal variability of ecological niches: a study on intertidal macrobenthic fauna
Oikos **122** (5), 754 - 760
281. Krasnikov, A., Shalapska, T., **Stryganyuk, G.**, Voloshinovskii, A., Zazubovich, S. (2013):
Photoluminescence and energy transfer in Eu³⁺-doped alkali gadolinium phosphates
Phys. Status Solidi B-Basic Solid State Phys. **250** (77), 1418 - 1425
282. **Kraus, M.**, **Kopinke, F.-D.**, Roland, U. (2013):
Modeling of a thermo-chromatographic pulse (TCP) as radio-frequency (RF)-induced selective heating effect
J. Microw. Power Electromagn. Energy **47** (1), 24 - 45
283. Kreft, J.-U., Plugge, C.M., **Grimm, V.**, Prats, C., Leveau, J.H.J., **Banitz, T.**, Baines, S., Clark, J., Ros, A., Klapper, I., Topping, C.J., Field, A.J., Schuler, A., Litchman, E., Hellweger, F.L. (2013):
Mighty small: observing and modeling individual microbes becomes big science
Proc. Natl. Acad. Sci. U.S.A. **110** (45), 18027 - 18028
284. **Krellenberg, K.**, Müller, A., Schwarz, A., Höfer, R., Welz, J. (2013):
Flood and heat hazards in the Metropolitan Region of Santiago de Chile and the socio-economics of exposure
Appl. Geogr. **38** , 86 - 95
285. **Kroeger, I.**, Duquesne, S., Liess, M. (2013):
Crustacean biodiversity as an important factor for mosquito larval control
J. Vector Ecol. **38** (2), 390 - 400
286. **Kroeger, I.**, Liess, M., Dziock, F., **Duquesne, S.** (2013):
Sustainable control of mosquito larvae in the field by the combined actions of the biological insecticide Bti and natural competitors
J. Vector Ecol. **38** (1), 82 - 89
287. **Krüger, E.H.**, Teutsch, G. (2013):
International viewpoint and news
Environ. Earth Sci. **69** (2), 729 - 735

288. **Krüger, J., Franko, U., Fank, J., Stelzl, E., Dietrich, P., Pohle, M., Werban, U.** (2013):
Linking geophysics and soil function modeling — an application study for biomass production
Vadose Zone J. **12** (4), 10.2136/vzj2013.01.0015
289. Kruger, M.C., Bertin, P.N., **Heipieper, H.J.**, Arsène-Ploetze, F. (2013):
Bacterial metabolism of environmental arsenic—mechanisms and biotechnological applications
Appl. Microbiol. Biotechnol. **97** (9), 3827 - 3841
290. **Krumbiegel, P.**, Jung, K. (2013):
Happy birthday, Hans Faust: 85!
Isot. Environ. Health Stud. **49** (4), 436 - 437
291. Krupke, A., **Musat, N.**, LaRoche, J., Mohr, W., Fuchs, B.M., Amann, R.I., Kuypers, M.M.M., Foster, R.A. (2013):
In situ identification and N₂ and C fixation rates of uncultivated cyanobacteria populations
Syst. Appl. Microbiol. **36** (4), 259 - 271
292. Kube, M., Chernikova, T.N., Al-Ramahi, Y., Beloqui, A., Lopez-Cortez, N., Guazzaroni, M.-E., **Heipieper, H.J.**, Klages, S., Kotsyurbenko, O.R., Langer, I., Nechitaylo, T.Y., Lünsdorf, H., Fernández, M., Juárez, S., Ciordia, S., Singer, A., Kagan, O., Egorova, O., Petit, P.A., Stogios, P., Kim, Y., Tchigvintsev, A., Flick, R., Denaro, R., Genovese, M., Albar, J.P., Reva, O.N., Martínez-Gomariz, M., Tran, H., Ferrer, M., Savchenko, A., Yakunin, A.F., Yakimov, M.M., Golyshina, O.V., Reinhardt, R., Golyshin, P.N. (2013):
Genome sequence and functional genomic analysis of the oil-degrading bacterium *Oleispira antarctica*
Nat. Commun. **4** , art. 2156
293. **Kuhlicke, C.** (2013):
Resilience: a capacity and a myth: findings from an in-depth case study in disaster management research
Nat. Hazards **67** (1), 61 - 76
294. **Kuhlicke, C., Meyer, V., Steinführer, A.** (2013):
Jenseits der Leitdifferenz von "Beton contra Natur": neue Paradoxien und Ungleichheiten im Hochwasserrisikomanagement. Beyond the guiding difference of "concrete versus nature": new disparities and paradoxes in flood risk management
Hydrol. Wasserbewirtsch. **57** (2), 70 - 74
295. **Kühn, I.** (2013):
Local trait organization established
Appl. Veg. Sci. **16** (2), 171 - 172

296. **Kühne, R., Ebert, R.-U., von der Ohe, P.C., Ulrich, N., Brack, W., Schüürmann, G.** (2013):
Read-across prediction of the acute toxicity of organic compounds toward the water flea *Daphnia magna*
Mol. Inf. **32** (1), 108 - 120
297. **Kühnert, A., Vogs, C., Altenburger, R., Küster, E.** (2013):
The internal concentration of organic substances in fish embryos - a toxicokinetic approach
Environ. Toxicol. Chem. **32** (8), 1819 - 1827
298. **Kuka, K., Franko, U., Hanke, K., Finkenbein, P.** (2013):
Investigation of different amendments for dump reclamation in Northern Vietnam
J. Geochem. Explor. **132**, 41 - 53
299. **Kuka, K.**, Illerhaus, B., Fox, C.A., Joschko, M. (2013):
X-ray computed microtomography for the study of the soil-root relationship in grassland soils
Vadose Zone J. **12** (4), 10.2136/vzj2013.01.0014
300. **Kuka, K.**, Illerhaus, B., Fritsch, G., Joschko, M., Rogasik, H., Paschen, M., Schulz, H., Seyfarth, M. (2013):
A new method for the extraction of undisturbed soil samples for X-ray computed tomography
Journal of Nondestructive Testing & Ultrasonics (8), 1 - 8
301. **Kumar, R., Livneh, B., Samaniego, L.** (2013):
Towards computationally efficient large-scale hydrologic predictions with a multiscale regionalization scheme
Water Resour. Res. **49** (9), 5700 - 5714
302. **Kumar, R., Samaniego, L., Attinger, S.** (2013):
Implications of distributed hydrologic model parameterization on water fluxes at multiple scales and locations
Water Resour. Res. **49** (1), 360 - 379
303. **Kümmel, S., Kuntze, K., Vogt, C., Boll, M., Heider, J., Richnow, H.H.** (2013):
Evidence for benzylsuccinate synthase subtypes obtained by using stable isotope tools
J. Bacteriol. **195** (20), 4660 - 4667
304. Kung, J.W., **Seifert, J., von Bergen, M.**, Boll, M. (2013):
Cyclohexanecarboxyl-coenzyme A (CoA) and cyclohex-1-ene-1-carboxyl-CoA dehydrogenases, two enzymes involved in the fermentation of benzoate and crotonate in *Syntrophus aciditrophicus*
J. Bacteriol. **195** (14), 3193 - 3200

305. Kunkel, R., Sorg, J., Eckardt, R., **Kolditz, O.**, **Rink, K.**, Vereecken, H. (2013):
TEODOOR - a distributed geodata infrastructure for terrestrial observation data
Environ. Earth Sci. **69** (2), 507 - 521
306. **Kurth, F.**, **Zeitler, K.**, **Feldhahn, L.**, **Neu, T.R.**, Weber, T., Krištufek, V., **Wubet, T.**,
Herrmann, S., **Buscot, F.**, **Tarkka, M.T.** (2013):
Detection and quantification of a mycorrhization helper bacterium and a mycorrhizal
fungus in plant-soil microcosms at different levels of complexity
BMC Microbiol. **13** , art. 205
307. **Lampa, S.**, **Henle, K.**, **Klenke, R.**, **Hoehn, M.**, Gruber, B. (2013):
How to overcome genotyping errors in non-invasive genetic mark-recapture population
size estimation — a review of available methods illustrated by a case study
J. Wildl. Manage. **77** (8), 1490 - 1511
308. **Lange, R.**, Gruber, B., **Henle, K.**, Sarre, S.D., **Hoehn, M.** (2013):
Mating system and intrapatch mobility delay inbreeding in fragmented populations of a
gecko
Behav. Ecol. **24** (5), 1260 - 1270
309. Larondelle, N., **Haase, D.** (2013):
Urban ecosystem services assessment along a rural–urban gradient: a cross-analysis of
European cities
Ecol. Indic. **29** , 179 - 190
310. **Lausch, A.**, Heurich, M., Fahse, L. (2013):
Spatio-temporal infestations pattern of *Ips typographus* (L.) in Bavarian Forest National
Park, Germany
Ecol. Indic. **31** , 73 - 81
311. **Lausch, A.**, Heurich, M., Fahse, L. (2013):
Spatio-temporal infestation patterns of *Ips typographus* (L.) in the Bavarian Forest
National Park, Germany
Ecol. Indic. **31** , 73 - 81
312. **Lausch, A.**, Heurich, M., **Gordalla, D. M.**, Dobner, H.-J., **Gwillym-Margianto, S.**,
Salbach, C. (2013):
Forecasting potential bark beetle outbreaks based on spruce forest vitality using
hyperspectral remote-sensing techniques at different scales
For. Ecol. Manage. **308** , 76 - 89
313. **Lausch, A.**, Pause, M., **Doktor, D.**, **Preidl, S.**, Schulz, K. (2013):
Monitoring and assessing of landscape heterogeneity at different scales
Environ. Monit. Assess. **185** (11), 9419 - 9434

314. **Lausch, A., Pause, M., Doktor, D., Preidl, S., Schulz, K.** (2013):
Monitoring and assessing of landscape heterogeneity at different scales
Environ. Monit. Assess. **185** (11), 9419 - 9434
315. **Lausch, A., Pause, M., Merbach, I., Zacharias, S., Doktor, D., Volk, M., Seppelt, R.** (2013):
A new multiscale approach for monitoring vegetation using remote sensing-based indicators in laboratory, field, and landscape
Environ. Monit. Assess. **185** (2), 1215 - 1235
316. **Lausch, A., Pause, M., Schmidt, A., Salbach, C., Gwillym-Margianto, S., Merbach, I.** (2013):
Temporal hyperspectral monitoring of chlorophyll, LAI and water content of barley during a growing season
Can. J. Remote Sens. **39** (3), 191 - 207
317. **Lausch, A., Zacharias, S., Dierke, C., Pause, M., Kühn, I., Doktor, D., Dietrich, P., Werban, U.** (2013):
Analysis of vegetation and soil patterns using hyperspectral remote sensing, EMI, and gamma-ray measurements
Vadose Zone J. **12** (4), 10.2136/vzj2012.0217
318. **Lautenbach, S., Volk, M., Strauch, M., Whittaker, G., Seppelt, R.** (2013):
Optimization-based trade-off analysis of biodiesel crop production for managing an agricultural catchment
Environ. Modell. Softw. **48** , 98 - 112
319. **Lazik, D., Ebert, S.** (2013):
First field test of linear gas sensor net for planar detection of CO₂ leakages in the unsaturated zone
Int. J. Greenh. Gas Control **17** , 161 - 169
320. **Lehmann, P.** (2013):
Supplementing an emissions tax by a feed-in tariff for renewable electricity to address learning spillovers
Energy Policy **61** , 635 - 641
321. **Lehmann, P., Brenck, M., Gebhardt, O., Schaller, S., Süßbauer, E.** (2013):
Barriers and opportunities for urban adaptation planning: analytical framework and evidence from cities in Latin America and Germany
Mitig. Adapt. Strateg. Glob. Chang.

322. **Lehmann, P., Gawel, E.** (2013):
Why should support schemes for renewable electricity complement the EU emissions trading scheme?
Energy Policy **52**, 597 - 607
323. **Leibeling, S., Maeß, M.B., Centler, F., Kleinstuber, S., von Bergen, M., Thullner, M., Harms, H., Müller, R.H.** (2013):
Posttranslational oxidative modification of (*R*)-2-(2,4-dichlorophenoxy)propionate/ α -ketoglutarate-dependent dioxygenases (RdpA) leads to improved degradation of 2,4-dichlorophenoxyacetate (2,4-D)
Eng. Life Sci. **13** (3), 278 - 291
324. Leidel, M., **Niemann, S.**, Saliha, A.H., Cullmann, J., Seidel, N., **Borchardt, D.**, Krebs, P., Bernhofer, C. (2013):
International viewpoint and news. IWRM education: e-learning module on Integrated Water Resources Management
Environ. Earth Sci. **68** (2), 609 - 613
325. **Lentendu, G., Hübschmann, T., Müller, S., Dunker, S., Buscot, F., Wilhelm, C.** (2013):
Recovery of soil unicellular eukaryotes: an efficiency and activity analysis on the single cell level
J. Microbiol. Methods **95** (3), 463 - 469
326. Lessmann, D., **Rauschmayer, F.** (2013):
Re-conceptualizing sustainable development on the basis of the capability approach: a model and its difficulties
Journal of Human Development and Capabilities **14** (1), 95 - 114
327. Leys, D., **Adrian, L.**, Smidt, H. (2013):
Organohalide respiration: microbes breathing chlorinated molecules
Philos. Trans. R. Soc. B-Biol. Sci. **368** (1616), 20120316
328. **Li, X., Settele, J., Schweiger, O.**, Zhang, Y., Lu, Z., Wang, M., Zeng, J. (2013):
Evidence-based environmental laws for China
Science **341** (6149), 958
329. Li, X.-S., Zhang, Y.L., **Settele, J., Franzén, M., Schweiger, O.** (2013):
Long-distance dispersal and habitat use of the butterfly *Byasa impediens* in a fragmented subtropical forest
Insect. Conserv. Divers. **6** (2), 170 - 178

330. **Liess, M., Foit, K., Becker, A., Hassold, E., Dolciotti, I., Kattwinkel, M., Duquesne, S.** (2013):
Culmination of low-dose pesticide effects
Environ. Sci. Technol. **47** (15), 8862 - 8868
331. **Lin, Y., Berger, U., Grimm, V., Huth, F., Weiner, J.** (2013):
Plant interactions alter the predictions of metabolic scaling theory
PLOS One **8** (2), e57612
332. Lischka, S., **Arroyo Abad, U., Mattusch, J., Kühn, A., Piechotta, C.** (2013):
The high diversity of arsenolipids in herring fillet (*Clupea harengus*)
Talanta **110**, 144 - 152
333. Liu, C., Sibly, R.M., **Grimm, V., Thorbek, P.** (2013):
Linking pesticide exposure and spatial dynamics: an individual-based model of wood mouse (*Apodemus sylvaticus*) populations in agricultural landscapes
Ecol. Model. **248**, 92 - 102
334. Liu, L., Breitner, S., Schneider, A., Cyrys, J., Brüske, I., **Franck, U., Schlink, U., Leitte, A., Herbarth, O., Wiedensohler, A., Wehner, B., Pan, X., Wichmann, H.-E., Peters, A.** (2013):
Size-fractioned particulate air pollution and cardiovascular emergency room visits in Beijing, China
Environ. Res. **121**, 52 - 63
335. Liu, Z., Flury, M., Harsh, J.B., Mathison, J.B., **Vogs, C.** (2013):
Colloid mobilization in an undisturbed sediment core under semiarid recharge rates
Water Resour. Res. **49** (8), 4985 - 4996
336. Löffler, F.E., Yan, J., Ritalahti, K.M., **Adrian, L., Edwards, E.A., Konstantinidis, K.T., Müller, J.A., Fullerton, H., Zinder, S.H., Spormann, A.M.** (2013):
Dehalococcoides mccartyi gen. nov., sp. nov., obligately organohalide-respiring anaerobic bacteria relevant to halogen cycling and bioremediation, belong to a novel bacterial class, *Dehalococcoidia* classis nov., order *Dehalococcoidales* ord. nov. and family *Dehalococcoidaceae* fam. nov., within the phylum *Chloroflexi*
Int. J. Syst. Evol. Microbiol. **63** (2), 625 - 635
337. Loranger, J., Meyer, S.T., Shipley, B., Kattge, J., Loranger, H., **Roscher, C., Wirth, C., Weisser, W.W.** (2013):
Predicting invertebrate herbivory from plant traits: polycultures show strong nonadditive effects
Ecology **94** (7), 1499 - 1509

338. Lorz, C., Neumann, C., Bakker, F., Pietzsch, K., **Weiß, H.**, Makeschin, F. (2013):
A web-based planning support tool for sediment management in a meso-scale river basin
in Western Central Brazil
J. Environ. Manage. **127**, S15 - S23
339. **Louzao, M.**, Aumont, O., Hothorn, T., **Wiegand, T.**, Weimerskirch, H. (2013):
Foraging in a changing environment: habitat shifts of an oceanic predator over the last
half century
Ecography **36** (1), 57 - 67
340. Lu, S., Chourey, K., Reiche, M., Nietzsche, S., Shah, M.B., **Neu, T.R.**, Hettich, R.L.,
Küsel, K. (2013):
Insights into the structure and metabolic function of microbes that shape pelagic iron-rich
aggregates ("iron snow")
Appl. Environ. Microb. **79** (14), 4272 - 4281
341. Lučeničová, T., **Nordt, A.**, **Klenke, R.**, Jamriška, J. (2013):
Prevalence of bird blow Fly infestation in nests of the European blackbird (*Turdus
merula*)
Wilson J. Ornithol. **125** (4), 848 - 851
342. MacIntyre, E.A., Carlsten, C., MacNutt, M., Fuertes, E., Melen, E., Tiesler,
C.M.T., Gehring, U., Kraemer, U., Kluemper, C., Kerkhof, M., Chan-Yeung, M.,
Kozyrskyj, A.L., Berdel, D., Bauer, C.P., Herbarth, O., **Bauer, M.**, Schaaf, B., Koletzko,
S., Pershagen, G., Brunekreef, B., Heinrich, J., Brauer, M. (2013):
Traffic, asthma and genetics: combining international birth cohort data to examine
genetics as a mediator of traffic-related air pollution's impact on childhood asthma
Eur. J. Epidemiol. **28** (7), 597 - 606
343. Maes, D., Collins, S., Munguira, M.L., Šašic, M., **Settele, J.**, van Swaay, C.,
Verovnik, R., Warren, M., **Wiemers, M.**, Wynhoff, I. (2013):
Not the right time to amend the Annexes of the European Habitats Directive
Conserv. Lett. **6** (6), 468 - 469
344. Maes, J., **Hauck, J.**, Paracchini, M.L., Ratamäki, O., Hutchins, M., Termansen, M.,
Furman, E., Pérez-Soba, M., Braat, L. (2013):
Mainstreaming ecosystem services into EU policy
Curr. Opin. Environ. Sustain. **5** (1), 128 - 134
345. Magri, F., Tillner, E., **Wang, W.**, **Watanabe, N.**, Zimmermann, G., Kempka, T. (2013):
3D hydro-mechanical scenario analysis to evaluate changes of the
recent stress field as a result of geological CO₂ storage
Energy Procedia **40**, 375 - 383

346. **Mai, J., Trump, S., Lehmann, I., Attinger, S.** (2013):
Parameter importance in FRAP acquisition and analysis: a simulation approach
Biophys. J. **104** (9), 2089 - 2097
347. **Maier, U.**, Flegr, M., Rügner, H., Grathwohl, P. (2013):
Long-term solute transport and geochemical equilibria in seepage water and groundwater
in a catchment cross section
Environ. Earth Sci. **69** (2), 429 - 441
348. **Mallast, U.**, Schwonke, F., Gloaguen, R., **Geyer, S.**, Sauter, M., **Siebert, C.** (2013):
Airborne thermal data identifies groundwater discharge at the north-western coast of the
Dead Sea
Remote Sensing **5** (12), 6361 - 6381
349. **Mallast, U., Siebert, C.**, Wagner, B., Sauter, M., Gloaguen, R., **Geyer, S., Merz, R.**
(2013):
Localisation and temporal variability of groundwater discharge into the Dead Sea using
thermal satellite data
Environ. Earth Sci. **69** (2), 587, - 603
350. **Marañón-Jiménez, S.**, Castro, J., Fernández-Ondoño, E., Zamora, R. (2013):
Charred wood remaining after a wildfire as a reservoir of macro- and micronutrients in a
Mediterranean pine forest
Int. J. Wildland Fire **22** (5), 681 - 695
351. **Marañón-Jiménez, S.**, Castro, J., Querejeta, J.I., Fernández-Ondoño, E., Allen, C.D.
(2013):
Post-fire wood management alters water stress, growth, and performance of pine
regeneration in a Mediterranean ecosystem
For. Ecol. Manage. **308** , 231 - 239
352. Marcus, T., Assmann, T., **Durka, W.**, Drees, C. (2013):
A suite of multiplexed microsatellite loci for the ground beetle *Abax parallelepipedus*
(Piller and Mitterpacher, 1783) (Coleoptera, Carabidae)
Conserv. Genet. Resour. **5** (4), 1151 - 1156
353. **Mariana, F., Buchholz, F., Lerchner, J., Neu, T.R., Harms, H., Maskow, T.** (2013):
Chip-calorimetric monitoring of biofilm eradication with antibiotics provides mechanistic
information
Int. J. Med. Microbiol. **303** (3), 158 - 165
354. **Markantonis, V., Meyer, V., Lienhoop, N.** (2013):
Evaluation of the environmental impacts of extreme floods in the Evros River basin using
Contingent Valuation Method
Nat. Hazards **69** (3), 1535 - 1549

355. Markle, J.G.M., Frank, D.N., Mortin-Toth, S., Robertson, C.E., Feazel, L.M. , **Rolle-Kampczyk, U.**, von Bergen, M., McCoy, C.D., Macpherson, A.J., Danska, J.S. (2013):
Sex differences in the gut microbiome drive hormone-dependent regulation of autoimmunity
Science **339** (6123), 1084 - 1088
356. **Marquardt, E.**, Schmid, B., **Roscher, C.**, De Luca, E., Nadrowski, K., Weisser, W.W., Weigelt, A. (2013):
Changes in the abundance of grassland species in monocultures versus mixtures and their relation to biodiversity effects
PLOS One **8** (9), e75599
357. Marquardt, C., **Kühnel, D.**, Richter, V., Krug, H.F., Mathes, B., Steinbach, C., Nau, K. (2013):
Latest research results on the effects of nanomaterials on humans and the environment:
DaNa - Knowledge Base Nanomaterials
J. Phys.: Conf. Ser. **429** , 012060
358. **Martin, B.T.**, Jager, T., Nisbet, R.M., Preuss, T.G., **Grimm, V.** (2013):
Predicting population dynamics from the properties of individuals: a cross-level test of dynamic energy budget theory
Am. Nat. **181** (4), 506 - 519
359. **Martin, B.T.**, Jager, T., Nisbet, R.M., Preuss, T.G., Hammers-Wirtz, M., **Grimm, V.** (2013):
Extrapolating ecotoxicological effects from individuals to populations: a generic approach based on Dynamic Energy Budget theory and individual-based modeling
Ecotoxicology **22** (3), 574 - 583
360. **Martínez, I.**, González-Taboada, F., **Wiegand, T.**, Obeso, J.R. (2013):
Spatial patterns of seedling-adult associations in a temperate forest community
For. Ecol. Manage. **296** , 74 - 80
361. **Martini, E.**, Comina, C., Priori, S., Costantini, C. (2013):
A combined geophysical-pedological approach for precision viticulture in the Chianti hills
Boll. Geofis. Teor. Appl. **54** (2), 165 - 181
362. **Maskow, T.** (2013):
Calorimetry and biothermodynamics for biotechnology, medicine and environmental sciences: current status and advances
Eng. Life Sci. **13** (6), 508 - 509

363. Mauder, M., **Cuntz, M.**, Drüe, C., Graf, A., **Rebmann, C.**, Schmid, H.P., Schmidt, M., Steinbrecher, R. (2013):
A strategy for quality and uncertainty assessment of long-term eddy-covariance measurements
Agric. For. Meteorol. **169**, 122 - 135
364. **May, F.**, Giladi, I., Ristow, M., Ziv, Y., Jeltsch, F. (2013):
Plant functional traits and community assembly along interacting gradients of productivity and fragmentation
Perspect. Plant Ecol. Evol. Syst. **15** (6), 304 - 318
365. **May, F.**, Giladi, I., Ristow, M., Ziv, Y., Jeltsch, F. (2013):
Metacommunity, mainland-island system or island communities? Assessing the regional dynamics of plant communities in a fragmented landscape
Ecography **36** (7), 842 - 853
366. Mazaris, A.D., **Papanikolaou, A.**, Barbet-Massin, M., Kallimanis, A.S., Jiguet, F., **Schmeller, D.S.**, Pantis, J.D. (2013):
Evaluating the connectivity of a protected areas' network under the prism of global change: the efficiency of the European Natura 2000 network for four birds of prey
PLOS One **8** (3), e59640
367. McCarroll, D., Loader, N.J., Jalkanen, R., Gagen, M.H., Grudd, H., Gunnarson, B.E., Kirchhefer, A.J., Friedrich, M., Linderholm, H.W., Lindholm, M., **Boettger, T.**, Los, S.O., Remmele, S., Kononov, Y.M., Yamazaki, Y.H., Young, G.H.F., Zorita, E. (2013):
A 1200-year multiproxy record of tree growth and summer temperature at the northern pine forest limit of Europe
Holocene **23** (4), 471 - 484
368. McNeill, K., Hofstetter, T.B., **Goss, K.-U.**, Escher, B. (2013):
A tribute to René P. Schwarzenbach
Environ. Sci. Technol. **47** (13), 6725 - 6727
369. Mehlig, L., Petzold, M., Heder, C., **Günther, S.**, Müller, S., Eschenhagen, M., Röske, I., Röske, K. (2013):
Biodiversity of polyphosphate accumulating bacteria in eight WWTPs with different modes of operation
J. Environ. Eng. Landsc. Manag. **139** (8), 1089 - 1098
370. **Meier, C.**, Knoche, M., Merz, R., Weise, S.M. (2013):
Stable isotopes in river waters in the Tajik Pamirs: regional and temporal characteristics
Isot. Environ. Health Stud. **49** (4), 542 - 554

371. Meli, M., Auclerc, A., Palmqvist, A., Forbes, V.E., **Grimm, V.** (2013): Population-level consequences of spatially heterogeneous exposure to heavy metals in soil: an individual-based model of springtails
Ecol. Model. **250**, 338 - 351
372. **Merbach, I., Schulz, E.** (2013): Long-term fertilization effects on crop yields, soil fertility and sustainability in the Static Fertilization Experiment Bad Lauchstädt under climatic conditions 2001–2010
Arch. Agron. Soil Sci. **59** (8), 1041 - 1057
373. Mesallati, T., Buckley, C.T., **Nagel, T.**, Kelly, D.J. (2013): Scaffold architecture determines chondrocyte response to externally applied dynamic compression
Biomech. Model. Mechanobiol. **12** (5), 889 - 899
374. **Mészáros, E., Imfeld, G., Nikolausz, M., Nijenhuis, I.** (2013): Occurrence of *Dehalococcoides* and reductive dehalogenase genes in microcosms, a constructed wetland and groundwater from a chlorinated ethene contaminated field site as indicators for in situ reductive dehalogenation
Water Air Soil Pollut. **224** (11), 1768
375. Meyer, V., Becker, N., Markantonis, V., Schwarze, R., van den Bergh, J.C.J.M., Bouwer, L.M., Bubeck, P., Ciavola, P., Genovese, E., Green, C., Hallegatte, S., Kreibich, H., Lequeux, Q., Logar, I., Papyrakis, E., Pfurtscheller, C., Poussin, J., Przyluski, J., Thieken, A.H., Viaattene, C. (2013): Review article: Assessing the costs of natural hazards – state of the art and knowledge gaps
Nat. Hazards Earth Syst. Sci. **13**, 1351 - 1373
376. Milcu, A., Allan, E., **Roscher, C.**, Jenkin, T., Meyer, S.T., Flynn, D.F.B., Bessler, H., **Buscot, F.**, Engels, C., Gubsch, M., **König, S.**, Lipowsky, A., Loranger, J., **Renker, C.**, Scherber, C., Schmid, B., Thébault, E., **Wubet, T.**, Weisser, W.W., Scheu, S., Eisenhauer, N. (2013): Functionally and phylogenetically diverse plant communities key to soil biota
Ecology **94** (8), 1878 - 1885
377. **Mishra, S.**, Srivastava, S., Dwivedi, S., Tripathi, R.D. (2013): Investigation of biochemical responses of *Bacopa monnieri* L. upon exposure to arsenate
Environ. Toxicol. **28** (8), 419 - 430
378. **Mishra, S.**, Wellenreuther, G., **Mattusch, J.**, **Stärk, H.-J.**, Küpper, H. (2013): Speciation and distribution of arsenic in the nonhyperaccumulator macrophyte *Ceratophyllum demersum*
Plant Physiol. **163** (3), 1396 - 1408

379. Möbius, K., Nordsieck, K., Pichert, A., Samsonov, S.A., Thomas, L., Schiller, J., **Kalkhof, S.**, Pisabarro, M.T., Beck-Sickinger, A.G., Huster, D. (2013): Investigation of lysine side chain interactions of interleukin-8 with heparin and other glycosaminoglycans studied by a methylation-NMR approach
Glycobiology **23** (11), 1260 - 1269
380. Moe, S.J., De Schamphelaere, K., Clements, W.H., Sorensen, M.T., van den Brink, P., **Liess, M.** (2013): Combined and interactive effects of global climate change and toxicants on populations and communities
Environ. Toxicol. Chem. **32** (1), 49 - 61
381. **Moeller, L., Zehnsdorf, A., Aurich, A., Barth, G., Bley, T., Strehlitz, B.** (2013): Citric acid production from sucrose by recombinant *Yarrowia lipolytica* using semicontinuous fermentation
Eng. Life Sci. **13** (2), 163 - 171
382. Möller, M., **Harnisch, F.**, Schröder, U. (2013): Hydrothermal liquefaction of cellulose in subcritical water—the role of crystallinity on the cellulose reactivity
RSC Advances **3** (27), 11035 - 11044
383. Morris, E.K., **Buscot, F.**, Herbst, C., Meiners, T., Obermaier, E., Wäschke, N.W., **Wubet, T.**, Rillig, M.C. (2013): Land use and host neighbor identity effects on arbuscular mycorrhizal fungal community composition in focal plant rhizosphere
Biodivers. Conserv. **22** (10), 2193 - 2205
384. Muehe, E.M., Scheer, L., **Daus, B.**, Kappler, A. (2013): Fate of arsenic during microbial reduction of biogenic versus abiogenic As–Fe(III)–mineral coprecipitates
Environ. Sci. Technol. **47** (15), 8297 - 8307
385. **Mueller, A., Schlink, U., Wichmann, G., Bauer, M., Graebisch, C., Schüürmann, G., Herbarth, O.** (2013): Individual and combined effects of mycotoxins from typical indoor moulds
Toxicol. Vitro **27** (6), 1970 - 1978
386. **Müller, A.** (2013): Flood risks in a dynamic urban agglomeration: a conceptual and methodological assessment framework
Nat. Hazards **65** (3), 1931 - 1950

387. Müller, B., Bohn, F., Dreßler, G., Groeneveld, J., Klassert, C., Martin, R., Schlüter, M., Schulze, J., Weise, H., Schwarz, N. (2013): Describing human decisions in agent-based models - ODD+D, an extension of the ODD protocol
Environ. Modell. Softw. **48**, 37 - 48
388. Müller, K., Daus, B., Mattusch, J., Vetterlein, D., Merbach, I., Wennrich, R. (2013): Impact of arsenic on uptake and bio-accumulation of antimony by arsenic hyperaccumulator *Pteris vittata*
Environ. Pollut. **174**, 128 - 133
389. Müller, S.A., Findeiß, S., Pernitzsch, S.R., Wissenbach, D.K., Stadler, P.F., Hofacker, I.L., von Bergen, M., Kalkhof, S. (2013): Identification of new protein coding sequences and signal peptidase cleavage sites of *Helicobacter pylori* strain 26695 by proteogenomics
J. Proteomics **86**, 27 - 42
390. Müller, S., Hiller, K. (2013): From multi-omics to basic structures of biological systems
Curr. Opin. Biotechnol. **24** (1), 1 - 3
391. Mulliner, D., Schüürmann, G. (2013): Model suite for predicting the aquatic toxicity of α,β -unsaturated esters triggered by their chemoavailability
Mol. Inf. **32** (1), 98 - 107
392. Mundo, I.A., Wiegand, T., Kanagaraj, R., Kitzberger, T. (2013): Environmental drivers and spatial dependency in wildfire ignition patterns of northwestern Patagonia
J. Environ. Manage. **123**, 77 - 87
393. Murugaiyan, J., Rockstroh, M., Wagner, J., Baumann, S., Schorsch, K., Trump, S., Lehmann, I., von Bergen, M., Tomm, J.M. (2013): Benzo[a]pyrene affects Jurkat T cells in the activated state via the antioxidant response element dependent Nrf2 pathway leading to decreased IL-2 secretion and redirecting glutamine metabolism
Toxicol. Appl. Pharmacol. **269** (3), 307 - 316
394. Murugaiyan, J., Weise, C., von Bergen, M., Roesler, U. (2013): Two-dimensional proteome reference map of *Prototheca zopfii* revealed reduced metabolism and enhanced signal transduction as adaptation to an infectious life style
Proteomics **13** (17), 2664 - 2669

395. **Murugesan, K., Baumann, S., Wissenbach, D.K., Kliemt, S., Kalkhof, S., Otto, W., Mögel, I., Kohajda, T., von Bergen, M., Tomm, J.M.** (2013): Subtoxic and toxic concentrations of benzene and toluene induce Nrf-2 mediated anti-oxidative stress response and affect the central carbon metabolism in lung epithelial cells A549
Proteomics **13** (21), 3211 - 3221
396. **Naether, D., Slawtschew, S., Stasik, S., Engel, M., Olzog, M., Wick, L.Y., Timmis, K.N., Heipieper, H.J.** (2013): Adaptation of hydrocarbonoclastic *Alcanivorax borkumensis* SK2 to alkanes and toxic organic compounds - a physiological and transcriptomic approach
Appl. Environ. Microb. **79** (14), 4282 - 4293
397. **Nagel, T., Kelly, D.J.** (2013): Altering the swelling pressures within in vitro engineered cartilage is predicted to modulate the configuration of the collagen network and hence improve tissue mechanical properties
J. Mech. Behav. Biomed. Mater. **22**, 22 - 29
398. **Nagel, T., Kelly, D.J.** (2013): The composition of engineered cartilage at the time of implantation determines the likelihood of regenerating tissue with a normal collagen architecture
Tissue Eng. A **19** (7-8), 824 - 833
399. **Nagel, T., Shao, H., Singh, A.K., Watanabe, N., Roßkopf, C., Linder, M., Wörner, A., Kolditz, O.** (2013): Non-equilibrium thermochemical heat storage in porous media: Part 1 – Conceptual model
Energy **60**, 254 - 270
400. Natho, S., Venohr, M., **Henle, K., Schulz-Zunkel, C.** (2013): Modelling nitrogen retention in floodplains with different degrees of degradation for three large rivers in Germany
J. Environ. Manage. **122**, 47 - 55
401. Naveed, M., Moldrup, P., Arthur, E., Wildenschild, D., Eden, M., Lamandé, M., **Vogel, H.-J.**, de Jonge, L.W. (2013): Revealing soil structure and functional macroporosity along a clay gradient using x-ray computed tomography
Soil Sci. Soc. Am. J. **77** (2), 403 - 411
402. Nefs, M., Alves, S., Zasada, I., **Haase, D.** (2013): Shrinking cities as retirement cities? Opportunities for shrinking cities as green living environments for older individuals
Environ. Plan. A **45** (6), 1455 - 1473

403. Nendza, M., Gabbert, S., **Kühne, R.**, Lombardo, A., Roncaglioni, A., Benfenati, E., Benigni, R., Bossa, C., Stempel, S., Scheringer, M., Fernández, A., Rallo, R., Giralt, F., Dimitrov, S., Mekyan, O., Bringezu, F., **Schüürmann, G.** (2013):
A comparative survey of chemistry-driven *in silico* methods to identify hazardous substances under REACH
Regul. Toxicol. Pharmacol. **66** (3), 301 - 314
404. **Neßhöver, C., Timaeus, J., Wittmer, H.**, Krieg, A., Geamana, N., van den Hove, S., Young, J., Watt, A. (2013):
Improving the science-policy interface of biodiversity research projects
GAIA **22** (2), 99 - 103
405. Neumann, C., Beer, J., Blodau, C., Peiffer, S., **Fleckenstein, J.H.** (2013):
Spatial patterns of groundwater-lake exchange – implications for acid neutralization processes in an acid mine lake
Hydrol. Process. **27** (22), 3240 - 3253
406. Neumeyer, A., **Hübschmann, T., Müller, S.**, Frunzke, J. (2013):
Monitoring of population dynamics of *Corynebacterium glutamicum* by multiparameter flow cytometry
Microb. Biotechnol. **6** (2), 157 - 167
407. **Nicholson, E.**, Lindenmayer, D.B., **Frank, K.**, Possingham, H. (2013):
Testing the focal species approach to making conservation decisions for species persistence
Divers. Distrib. **19** (5-6), 530 - 540
408. **Nick, H.**, Raoof, A., **Centler, F., Thullner, M.**, Regnier, P. (2013):
Reactive dispersive contaminant transport in coastal aquifers: numerical simulation of a reactive Henry problem
J. Contam. Hydrol. **145** , 90 - 104
409. **Nijenhuis, I., Schmidt, M., Pellegatti, E., Paramatti, E., Richnow, H.-H.**, Gargini, A. (2013):
A stable isotope approach for source apportionment of chlorinated ethene plumes at a complex multi-contamination events urban site
J. Contam. Hydrol. **153** , 92 - 105
410. **Nikiema, J., Gläßer, W., Krieg, R., Schirmer, M.** (2013):
Trace elements and their correlations in hand-dug wells in a laterite environment in a semi-arid region: case study of Tikaré, Northern Burkina Faso
Environ. Earth Sci. **69** (7), 2393 - 2414

411. **Nikolausz, M.**, Walter, R.F.H., **Sträuber, H.**, Liebetrau, J., Schmidt, T., **Kleinsteuber, S.**, **Bratfisch, F.**, **Günther, U.**, **Richnow, H.H.** (2013):
Evaluation of stable isotope fingerprinting techniques for the assessment of the predominant methanogenic pathways in anaerobic digesters
Appl. Microbiol. Biotechnol. **97** (5), 2251 - 2262
412. **Nikolopoulou, M.**, Pasadakis, N., **Norf, H.**, Kalogerakis, N. (2013):
Enhanced ex situ bioremediation of crude oil contaminated beach sand by supplementation with nutrients and rhamnolipids
Mar. Pollut. Bull. **77** (1-2), 37 - 44
413. Nilsson, S.G., **Franzén, M.**, Pettersson, L.B. (2013):
Land-use changes, farm management and the decline of butterflies associated with semi-natural grasslands in southern Sweden
Nature Conservation (6), 31 - 48
414. **Nivala, J.**, **Headley, T.**, Wallace, S., **Bernhard, K.**, Brix, H., **van Afferden, M.**, Müller, R.A. (2013):
Comparative analysis of constructed wetlands: The design and construction of the ecotechnology research facility in Langenreichenbach, Germany
Ecol. Eng. **61** (Part B), 527 - 543
415. **Nivala, J.**, Wallace, S., **Headley, T.**, Kassa, K., Brix, H., **van Afferden, M.**, Müller, R. (2013):
Oxygen transfer and consumption in subsurface flow treatment wetlands
Ecol. Eng. **61** (Part B), 544 - 554
416. **Nordt, A.**, **Klenke, R.** (2013):
Sleepless in town – drivers of the temporal shift in dawn song in urban European blackbirds
PLOS One **8** (8), e71476
417. Nováková, K., Kohoutek, J., Adamovský, O., **Brack, W.**, **Krauss, M.**, Bláha, L. (2013):
Novel metabolites in cyanobacterium *Cylindrospermopsis raciborskii* with potencies to inhibit gap junctional intercellular communication
J. Hazard. Mater. **262** , 571 - 579
418. **Nowak, K.M.**, **Girardi, C.**, Miltner, A., Gehre, M., Schäffer, A., **Kästner, M.** (2013):
Contribution of microorganisms to non-extractable residue formation during biodegradation of ibuprofen in soil
Sci. Total Environ. **445-446** , 377 - 384

419. Oberbach, A., Neuhaus, J., Inge, T., Kirsch, K., Schlichting, N., Blüher, S., Kullnick, Y., Kugler, J., **Baumann, S.**, Till, H. (2013): Bariatric surgery in severely obese adolescents improves major comorbidities including hyperuricemia
Metab.-Clin. Exp. **63** (2), 242 - 249
420. Oberbach, A., Neuhaus, J., Schlichting, N., Kugler, J., **Baumann, S.**, Till, H. (2013): Sleeve gastrectomy reduces xanthine oxidase and uric acid in a rat model of morbid obesity
Surg. Obes. Relat. Dis.
421. **Odeh, T., Geyer, S., Rödiger, T., Siebert, C.**, Schirmer, M. (2013): Groundwater chemistry of strike slip faulted aquifers: the case study of Wadi Zerka Ma'in aquifers, north east of the Dead Sea
Environ. Earth Sci. **70** (1), 393 - 406
422. **Oemisch, L., Goss, K.-U., Endo, S.** (2013): Determination of oil–water partition coefficients of polar compounds: silicone membrane equilibrator vs. SPME passive sampler
Anal. Bioanal. Chem. **405** (8), 2567 - 2574
423. Opdam, P., Nassauer, J.I., Wang, Z., **Albert, C.**, Bentrup, G., Castella, J.-C., McAlpine, C., Liu, J., Sheppard, S., Swaffield, S. (2013): Science for action at the local landscape scale
Landsc. Ecol. **28** (8), 1439 - 1445
424. Ortlieb, S., Schneider, G., Koletzko, S., Berdel, D., von Berg, A., Bauer, C.-P., Schaaf, B., Herbarth, O., **Lehmann, I.**, Hoffmann, B., Heinrich, J., Schulz, H. (2013): Physical activity and its correlates in children: a cross-sectional study (the GINIplus & LISApplus studies)
BMC Public Health **13** , art. 349
425. Oyarzún, J., Carvajal, M.J., Maturana, H., Núñez, J., Kretschmer, N., Amezaga, J.M., Rötting, T.S., **Strauch, G.**, Thyne, G., Oyarzún, R. (2013): Hydrochemical and isotopic patterns in a calc-alkaline Cu- and Au-rich arid Andean basin: the Elqui River watershed, North Central Chile
Appl. Geochem. **33** , 50 - 63
426. Partington, D., Brunner, P., Frei, S., Simmons, C.T., Werner, A.D., Therrien, R., Maier, H.R., Dandy, G.C., **Fleckenstein, J.H.** (2013): Interpreting streamflow generation mechanisms from integrated surface-subsurface flow models of a riparian wetland and catchment
Water Resour. Res. **49** (9), 5501 - 5519

427. **Paufler, S., Weichler, M.-T., Harms, H., Maskow, T.** (2013):
Simple improvement of the sensitivity of a heat flux reaction calorimeter to monitor
bioprocesses with weak heat production
Thermochim. Acta **569**, 71 - 77
428. Pavic, A., Stanković, S., Saljnikov, E., **Krüger, D., Buscot, F., Tarkka, M.**, Marjanović, Z. (2013):
Actinobacteria may influence white truffle (*Tuber magnatum* Pico) nutrition, ascocarp
degradation and interactions with other soil fungi
Fungal Ecol. **6** (6), 527 - 538
429. **Pe'er, G., Matsinos, Y.G., Johst, K., Franz, K.W., Turlure, C., Radchuk, V., Malinowska, A.H., Curtis, J.M.R., Naujokaitis-Lewis, I., Wintle, B.A., Henle, K.** (2013):
A protocol for better design, application, and communication of population viability
analyses
Conserv. Biol. **27** (4), 644 - 656
430. **Pe'er, G., McNeely, J.A., Dieterich, M., Jonsson, B.-G., Selva, N., Fitzgerald, J.M., Neßhöver, C.** (2013):
IPBES: Opportunities and challenges for SCB and other learned societies. Editorial
Conserv. Biol. **27** (1), 1 - 3
431. **Pe'er, G., Saltz, D., Münkemüller, T., Matsinos, Y.G., Thulke, H.-H.** (2013):
Simple rules for complex landscapes: the case of hilltopping movements and topography
Oikos **122** (10), 1483 - 1495
432. **Pe'er, G., Zurita, G.A., Schober, L., Bellocq, M., Strer, M., Müller, M., Pütz, S.** (2013):
Simple process-based simulators for generating spatial patterns of habitat loss
and fragmentation: a review and introduction to the *G-RaFFE* model
PLOS One **8** (5), e64968
433. Pei, Z., Flexeder, C., Fuertes, E., Thiering, E., Koletzko, B., Cramer, C., Berdel, D., **Lehmann, I., Bauer, C.-P., Heinrich, J.** (2013):
Early life risk factors of being overweight at 10 years of age: results of the German birth
cohorts GINIplus and LISApplus
Eur. J. Clin. Nutr. **67** (8), 855 - 862
434. Penteriani, V., **Kuparinen, A., del Mar Delgado, M., Palomares, F., López-Bao, J.V., Fedriani, J.M., Calzada, J., Moreno, S., Villafuerte, R., Campioni, L., Lourenço, R.** (2013):
Responses of a top and a meso predator and their prey to moon phases
Oecologia **173** (3), 753 - 766

435. Pepi, M., Cappelli, S., **Hachicho, N.**, Perra, G., Renzi, M., Tarabelli, A., Altieri, R., Esposito, A., Focardi, S.E., **Heipieper, H.J.** (2013): *Klebsiella* sp. strain C2A isolated from olive oil mill waste is able to tolerate and degrade tannic acid in very high concentrations
FEMS Microbiol. Lett. **343** (2), 105 - 112
436. Perea, R., Delibes, M., Polko, M., Suárez-Esteban, A., **Fedriani, J.M.** (2013): Context-dependent fruit-frugivore interactions: partner identities and spatio-temporal variations
Oikos **122** (6), 943 - 951
437. Pérez-Cobas, A.E., Gosálbes, M.J., Friedrichs, A., Knecht, H., Artacho, A., **Eismann, K.**, **Otto, W.**, Rojo, D., Bargiela, R., **von Bergen, M.**, Neulinger, S.C., Däumer, C., Heinsen, F.A., Latorre, A., Barbas, C., **Seifert, J.**, Martins dos Santos, V., Ott, S.J., Ferrer, M., Moya, A. (2013): Gut microbiota disturbance during antibiotic therapy: a multi-omic approach
Gut **62**, 1591 - 1601
438. Perner, M., Petersen, J.M., **Zielinski, F.**, Gennerich, H.H., Seifert, R. (2013): Geochemical constraints on the diversity and activity of H₂-oxidizing microorganisms in diffuse hydrothermal fluids from a basalt- and an ultramafic-hosted vent
FEMS Microbiol. Ecol. **85** (1), 210 - 210
439. Péry, A.R.R., **Schüürmann, G.**, Ciffroy, P., Faust, M., Backhaus, T., Aicher, L., Mombelli, E., Tebby, C., Cronin, M.T.D., Tissot, S., Andres, S., Brignon, J.M., Frewer, L., Georgiou, S., Mattas, K., Vergnaud, J.C., Peijnenburg, W., Capri, E., Marchis, A., Wilks, M.F. (2013): Perspectives for integrating human and environmental risk assessment and synergies with socio-economic analysis
Sci. Total Environ. **456-457**, 307 - 316
440. Petersen, K., **Fetter, E.**, Kah, O., Brion, F., **Scholz, S.**, Tollefsen, K.E. (2013): Transgenic (*cyp19a1b*-GFP) zebrafish embryos as a tool for assessing combined effects of oestrogenic chemicals
Aquat. Toxicol. **138-139**, 88 - 97
441. **Petzold, S.**, Averbeck, M., Simon, J.-C., **Lehmann, I.**, **Polte, T.** (2013): Phthalates and bisphenol A may increase asthma severity in mice depending on the exposure period
Allergy **68** (Suppl. 97), 176 - 176
442. Piniewski, M., Voss, F., **Bärlund, I.**, Okruszko, T., Kundzewicz, Z.W. (2013): Effect of modelling scale on the assessment of climate change impact on river runoff
Hydrol. Sci. J.-J. Sci. Hydrol. **58** (4), 737 - 754

443. Pion, M., Spangenberg, J.E., Simon, A., **Bindschedler, S.**, Flury, C., Chatelain, A., Bshary, R., Job, D., Junier, P. (2013):
Bacterial farming by the fungus *Morchella crassipes*
Proc. R. Soc. B-Biol. Sci. **280** (1773), art. 20132242
444. Plieninger, T., Bieling, C., Ohnesorge, B., Schaich, H., **Schleyer, C.**, Wolff, F. (2013):
Exploring futures of ecosystem services in cultural landscapes through participatory scenario development in the Swabian Alb, Germany
Ecol. Soc. **18** (3), Art. 39
445. **Poerschmann, J., Baskyr, I., Weiner, B.**, Koehler, R., Wedwitschka, H., **Kopinke, F.-D.** (2013):
Hydrothermal carbonization of olive mill wastewater
Bioresour. Technol. **133** , 581 - 588
446. **Poerschmann, J., Weiner, B., Baskyr, I.** (2013):
Organic compounds in olive mill wastewater and in solutions resulting from hydrothermal carbonization of the wastewater
Chemosphere **92** (11), 1472 - 1482
447. **Popp, S., Altdorff, D., Dietrich, P.** (2013):
Assessment of shallow subsurface characterisation with non-invasive geophysical methods at the intermediate hill-slope scale
Hydrol. Earth Syst. Sci. **17** (4), 1297 - 1307
448. **Pöritz, M., Goris, T., Wubet, T., Tarkka, M.T., Buscot, F., Nijenhuis, I.**, Lechner, U., **Adrian, L.** (2013):
Genome sequences of two dehalogenation specialists - *Dehalococcoides mccartyi* strains BTF08 and DCMB5 enriched from the highly polluted Bitterfeld region
FEMS Microbiol. Lett. **343** (2), 101 - 104
449. **Poser, A., Lohmayer, R., Vogt, C., Knoeller, K.**, Planer-Friedrich, B., Sorokin, D., **Richnow, H.-H.**, Finster, K. (2013):
Disproportionation of elemental sulfur by haloalkaliphilic bacteria from soda lakes
Extremophiles **17** (6), 1003 - 1012
450. Priori, S., **Martini, E.**, Andrenelli, M.C., Magini, S., Agnelli, A.E., Bucelli, P., Biagi, M., Pellegrini, S., Costantini, E.A.C. (2013):
Improving wine quality through harvest zoning and combined use of remote and soil proximal sensing
Soil Sci. Soc. Am. J. **77** (4), 1338 - 1348

451. **Przybylski, D., Rohwerder, T., Harms, H., Yaneva, N., Müller, R.H.** (2013):
Synthesis of the building block 2-hydroxyisobutyrate from fructose and
butyrate by *Cupriavidus necator* H16
Appl. Microbiol. Biotechnol. **97** (20), 8875 - 8885
452. Puglisi, E., Trevisan, M., Grotenhuis, T., **Adrian, L.** (2013):
EUROSOIL 2012 bioremediation session: preface to special issue
Biodegradation **24** (4), 451 - 453
453. Punchi-Manage, R., **Getzin, S., Wiegand, T., Kanagaraj, R.**, Gunatilleke, C.V.S.,
Savitri, C.V., Gunatilleke, I.A.U.N., Wiegand, K., **Huth, A.** (2013):
Effects of topography on structuring local species assemblages in a Sri Lankan mixed
dipterocarp forest
J. Ecol. **101** (1), 149 - 160
454. Purschke, O., Schmid, B.C., Sykes, M.T., Poschlod, P., **Michalski, S.G., Durka, W.**,
Kühn, I., Winter, M., Prentice, H.C. (2013):
Contrasting changes in taxonomic, phylogenetic and functional diversity during a
long-term succession: insights into assembly processes
J. Ecol. **101** (4), 857 - 866
455. Querfeld, U., Keil, T., Beyer, K., Stock, P., Pilz, S., März, W., **Weisse, K., Lehmann, I.**
(2013):
Vitamin D in early life: good or bad for food allergies?
Allergy **68** (8), 1081 - 1083
456. Radchuk, V., **Johst, K., Groeneveld, J., Grimm, V.**, Schtickzelle, N. (2013):
Behind the scenes of population viability modeling: predicting butterfly metapopulation
dynamics under climate change
Ecol. Model. **259** , 62 - 73
457. Radu, F.A., Muntean, A., Pop, I.S., **Suciù, N., Kolditz, O.** (2013):
A mixed finite element discretization scheme for a concrete carbonation model with
concentration-dependent porosity
J. Comput. Appl. Math. **246** , 74 - 85
458. **Rakoczy, J., Feisthauer, S., Wasmund, K., Bombach, P., Neu, T.R., Vogt, C.**,
Richnow, H.H. (2013):
Benzene and sulfide removal from groundwater treated in a microbial fuel cell
Biotechnol. Bioeng. **110** (12), 3104 - 3113
459. Raschky, P.A., **Schwarze, R.**, Schwindt, M., Zahn, F. (2013):
Uncertainty of governmental relief and the crowding out of flood insurance
Environ. Resour. Econ. **54** (2), 179 - 200

460. **Rauschmayer, F.**, Lessmann, D. (2013):
The capability approach and sustainability. Editorial
Journal of Human Development and Capabilities **14** (1), 1 - 5
461. Reder, K., **Bärlund, I.**, Voß, A., Kynast, E., Williams, R., Malve, O., Flörke, M. (2013):
European scenario studies on future in-stream nutrient concentrations
Trans. ASABE **56** (6), 1407 - 1417
462. Reed, M.S., Kenter, J., **Bonn, A.**, Broad, K., Burt, T.P., Fazey, I.R., Fraser, E.D.G.,
Hubacek, K., Nainggolan, D., Quinn, C.H., Stringer, L.C., Ravera, F. (2013):
Participatory scenario development for environmental management: A methodological
framework illustrated with experience from the UK uplands
J. Environ. Manage. **128** , 345 - 362
463. **Reemtsma, T.**, Alder, L., Banasiak, U. (2013):
A multimethod for the determination of 150 pesticide metabolites in surface water and
groundwater using direct injection liquid chromatography–mass spectrometry
J. Chromatogr. A **1271** (1), 95 - 104
464. **Reemtsma, T.**, Alder, L., Banasiak, U. (2013):
Emerging pesticide metabolites in groundwater and surface water as determined by the
application of a multimethod for 150 pesticide metabolites
Water Res. **47** (15), 5535 - 5545
465. Regestein, L., **Maskow, T.**, Tack, A., Knabben, I., Wunderlich, M., Lerchner, J., Büchs,
J. (2013):
Non-invasive online detection of microbial lysine formation in stirred tank bioreactors by
using calorespirometry
Biotechnol. Bioeng. **110** (5), 1386 - 1395
466. Regnier, P., Friedlingstein, P., Ciais, P., Mackenzie, F.T., Gruber, N., Janssens,
I.A., Laruelle, G.G., Lauerwald, R., Luysaert, S., Andersson, A.J., **Arndt, S.**,
Arnosti, C., Borges, A.V., Dale, A.W., Gallego-Sala, A., Goddérus, Y.,
Goossens, N., Hartmann, J., Heinze, C., Ilyina, T., Joos, F., LaRowe, D.E.,
Leifeld, J., Meysman, F.J.R., Munhoven, G., Raymond, P.A., Spahni, R.,
Suntharalingam, P., **Thullner, M.** (2013):
Anthropogenic perturbation of the carbon fluxes from land to ocean
Nat. Geosci. **6** (8), 597 - 606
467. **Reiche, N.**, Mothes, F., Fiedler, P., Borsdorf, H. (2013):
A solid-phase microextraction method for the in vivo sampling of MTBE in
common reed (*Phragmites australis*)
Environ. Monit. Assess. **185** (9), 7133 - 7144

468. **Reinhardt, T.**, Steinfartz, S., Paetzold, A., **Weitere, M.** (2013):
Linking the evolution of habitat choice to ecosystem functioning: direct and indirect
effects of pond-reproducing fire salamanders on aquatic-terrestrial subsidies
Oecologia **173** (1), 281 - 291
469. **Reiprich, M.**, **Rudzok, S.**, **Schütze, N.**, Simon, J.C., **Lehmann, I.**, **Trump, S.**, **Polte, T.**
(2013):
Inhibition of endotoxin-induced perinatal asthma protection by pollutants in an
experimental mouse model
Allergy **68** (4), 481 - 489
470. Renn, O., **Köck, W.**, Schweizer, P.-J., **Bovet, J.**, Benighaus, C., Scheel, O., Schröter, R.
(2013):
Mitteilungen der Helmholtz-Allianz Energy-Trans. Die Öffentlichkeit an der
Energiewende beteiligen. Grundsätze und Leitlinien für Planungsvorhaben. Public
participation within the German Energiewende. Policies and guidelines for planning
processes
GAIA **22** (4), 279 - 280
471. **Richter, S.**, **Völker, J.**, **Borchardt, D.**, Mohaupt, V. (2013):
The water framework directive as an approach for integrated water resources
management: results from the experiences in Germany on implementation, and future
perspectives
Environ. Earth Sci. **69** (2), 719 - 728
472. Ricken, B., Corvini, P.F.X., Cichocka, D., Parisi, M., Lenz, M.,
Wyss, D., **Martínez-Lavanchy, P.M.**, Müller, J.A., Shahgaldian, P., Tulli, L.G., Kohler,
H.-P.E., Kolvenbach, B.A. (2013):
ipso-hydroxylation and subsequent fragmentation: a novel microbial strategy to eliminate
sulfonamide antibiotics
Appl. Environ. Microb. **79** (18), 5550 - 5558
473. Riedinger, V., Müller, J., **Stadler, J.**, Ulrich, W., Brandl, R. (2013):
Assemblages of bats are phylogenetically clustered on a regional scale
Basic Appl. Ecol. **14** (1), 74 - 80
474. **Riedl, J.**, **Rotter, S.**, **Faetsch, S.**, **Schmitt-Jansen, M.**, **Altenburger, R.** (2013):
Proposal for applying a component-based mixture approach for ecotoxicological
assessment of fracturing fluids
Environ. Earth Sci. **70** (8), 3907 - 3920
475. **Rink, D.** (2013):
Book review: Die Bedeutungszunahme des Städtischen: Mode, neues Paradigma oder
langfristiger Leittrend?
disP **49** (1), 76 - 78

476. **Rink, K., Fischer, T., Selle, B., Kolditz, O.** (2013):
A data exploration framework for validation and setup of hydrological models
Environ. Earth Sci. **69** (2), 469 - 477
477. **Rinke, K., Kuehn, B., Bocaniov, S., Wendt-Potthoff, K., Büttner, O., Tittel, J., Schultze, M., Herzsprung, P., Rönicke, H., Rink, K., Rinke, K., Dietze, M., Matthes, M., Paul, L., Friese, K.** (2013):
Reservoirs as sentinels of catchments: the Rappbode Reservoir Observatory (Harz Mountains, Germany)
Environ. Earth Sci. **69** (2), 523 - 536
478. **Ritter, S., Michalski, S.G., Settele, J., Wiemers, M., Fric, Z.F., Sielezniew, M., Šašić, M., Rozier, Y., Durka, W.** (2013):
Wolbachia infections mimic cryptic speciation in two parasitic butterfly species, *Phengaris teleius* and *P. nausithous* (Lepidoptera: Lycaenidae)
PLOS One **8** (11), e78107
479. **Roggero, M.** (2013):
Shifting troubles: decision-making versus implementation in participatory watershed governance
Environmental Policy and Governance **23** (1), 63 - 74
480. **Rohwerder, T., Müller, R.H., Weichler, M.T., Schuster, J., Hübschmann, T., Müller, S., Harms, H.** (2013):
Cultivation of *Aquincola tertiaricarbonis* L108 on the fuel oxygenate intermediate *tert*-butyl alcohol induces aerobic anoxygenic photosynthesis at extremely low feeding rates
Microbiology-(UK) **159** (10), 2180 - 2190
481. **Roland, U., Holzer, F., Kopinke, F.-D.** (2013):
Influence of low- and high-frequency heating on biodegrading microorganisms in soil: microbial degradation
J. Microw. Power Electromagn. Energy **47** (4), 280 - 289
482. **Roland, U., Holzer, F., Kopinke, F.-D.** (2013):
Influence of low- and high-frequency electrical heating on biodegrading microorganisms in soil: soil respiration
J. Microw. Power Electromagn. Energy **47** (3), 186 - 198
483. Rorije, E., Aldenberg, T., Buist, H., Kroese, D., **Schüürmann, G.** (2013):
The OSIRIS Weight of Evidence approach: ITS for skin sensitisation
Regul. Toxicol. Pharmacol. **67** (2), 146 - 156

484. **Roscher, C.**, Fergus, A.J.F., Petermann, J.S., Buchmann, N., Schmid, B., Schulze, E.-D. (2013):
What happens to the sown species if a biodiversity experiment is not weeded?
Basic Appl. Ecol. **14** (3), 187 - 198
485. **Roscher, C.**, Schumacher, J., Lipowsky, A., Gubsch, M., Weigelt, A., Pompe, S., Kolle, O., Buchmann, N., Schmid, B., Schulze, E.-D. (2013):
A functional trait-based approach to understand community assembly and diversity–productivity relationships over 7 years in experimental grasslands
Perspect. Plant Ecol. Evol. Syst. **15** (3), 139 - 149
486. Rothemund, S., Sönnichsen, F.D., **Polte, T.** (2013):
Therapeutic potential of the peptide leucine arginine as a new nonplant Bowman-Birk-like serine protease inhibitor
J. Med. Chem. **56** (17), 6732 - 6744
487. **Rotter, S.**, Heilmeier, H., **Altenburger, R.**, **Schmitt-Jansen, M.** (2013):
Multiple stressors in periphyton – comparison of observed and predicted tolerance responses to high ionic loads and herbicide exposure
J. Appl. Ecol. **50** (6), 1459 - 1468
488. **Russow, R.**, Tauchnitz, N., Spott, O., Mothes, S., Bernsdorf, S., **Meissner, R.** (2013):
Nitrate turnover in a peat soil under drained and rewetted conditions:
results from a [¹⁵N]nitrate-bromide double-tracer study
Isot. Environ. Health Stud. **49** (4), 438 - 453
489. **Saleem, M.**, Fetzer, I., Dormann, C.F., Harms, H., Chatzinotas, A. (2013):
Predator richness increases the effect of prey diversity on prey yield
Nat. Commun. **3** , art. 1305
490. **Saleem, M.**, Fetzer, I., Harms, H., Chatzinotas, A. (2013):
Diversity of protists and bacteria determines predation performance and stability
ISME J. **7** , 1912 - 1921
491. **Samaniego, L.**, Kumar, R., Zink, M. (2013):
Implications of parameter uncertainty on soil moisture drought analysis in Germany
J. Hydrometeorol. **14** (1), 47 - 68
492. **Sauer, D.**, Popp, S., Dittfurth, A., **Altdorff, D.**, Dietrich, P., Paasche, H. (2013):
Soil moisture assessment over an alpine hillslope with significant soil heterogeneity
Vadose Zone J. **12** (4), 10.2136/vzj2013.01.0009

493. **Sauer, U., Schütze, C., Leven, C., Schlömer, S., Dietrich, P.** (2013):
An integrative hierarchical monitoring approach for detecting and characterizing CO₂ releases
Energy Procedia **37**, 4257 - 4267
494. Sauter, P., Witt, J., Billig, E., **Thrän, D.** (2013):
Impact of the Renewable Energy Sources Act in Germany on electricity produced with solid biofuels - lessons learned by monitoring the market development
Biomass Bioenerg. **53**, 162 - 171
495. Schädler, S., Finkel, M., **Bleicher, A.**, Morio, M., **Gross, M.** (2013):
Spatially explicit computation of sustainability indicator values for the automated assessment of land-use options
Landsc. Urban Plan. **111**, 34 - 45
496. Schädler, S., Finkel, M., **Bleicher, A.**, Morio, M., **Gross, M.** (2013):
Corrigendum to “Spatially explicit computation of sustainability indicator values for the automated assessment of land-use options” [Landscape Urban Plan. 111 (2013) 34–45]
Landsc. Urban Plan. **114**, 113
497. Schäfer, R.B., Bundschuh, M., Focks, A., **von der Ohe, P.C.** (2013):
Letter to the Editor
Environ. Toxicol. Chem. **32** (4), 734 - 735
498. Schäfer, R.B., **Gerner, N.V.**, Kefford, B.J., Rasmussen, J.J., **Beketov, M.A.**, de Zwart, D., **Liess, M.**, **von der Ohe, P.C.** (2013):
How to characterize chemical exposure to predict ecologic effects on aquatic communities?
Environ. Sci. Technol. **47** (14), 7996 - 8004
499. **Schäffer, M.**, Winkelmann, C., **Hellmann, C.**, Benndorf, J. (2013):
Reduced drift activity of two benthic invertebrate species is mediated by infochemicals of benthic fish
Aquat. Ecol. **47** (1), 99 - 107
500. **Schamfuß, S., Neu, T.R.**, van der Meer, J.R., Tecon, R., **Harms, H.**, **Wick, L.Y.** (2013):
Impact of mycelia on the accessibility of fluorene to PAH-degrading bacteria
Environ. Sci. Technol. **47** (13), 6908 - 6915
501. Scheck-Wenderoth, M., Schmeißer, D., Mutti, M., **Kolditz, O.**, Huenges, E., Schultz, H.-M., Liebscher, A., Bock, M. (2013):
Geoenergy: new concepts for utilization of geo-reservoirs as potential energy sources
Environ. Earth Sci. **70** (8), 3427 - 3431

502. Schelle, H., Durner, W., **Schlüter, S., Vogel, H.-J.**, Vanderborght, J. (2013):
Virtual soils: moisture measurements and their interpretation by inverse modeling
Vadose Zone J. **12** (3), 10.2136/vzj2012.0168
503. Scheuer, S., **Haase, D.**, Meyer, C. (2013):
Towards a flood risk assessment ontology – knowledge integration into a multi-criteria
risk assessment approach
Comput. Environ. Urban Syst. **37**, 82 - 94
504. **Schipp, C.-J.**, Marco-Urrea, E., Kublik, A., Seifert, J., Adrian, L. (2013):
Organic cofactors in the metabolism of *Dehalococcoides mccartyi* strains
Philos. Trans. R. Soc. B-Biol. Sci. **368** (1616), 20120321
505. **Schirmer, M., Leschik, S., Musolff, A.** (2013):
Current research in urban hydrogeology – a review
Adv. Water Resour. **51**, 280 - 291
506. **Schlüter, M.**, Khasankhanova, G., Talskikh, V., Taryannikova, R., Agaltseva, N.,
Joldasova, I., Ibragimov, R., Abdullaev, U. (2013):
Enhancing resilience to water flow uncertainty by integrating environmental flows into
water management in the Amudarya River, Central Asia
Glob. Planet. Change **110** (Part A), 114 - 129
507. **Schlüter, S., Vogel, H.-J.**, Ippisch, O., Vanderborght, J. (2013):
Combined impact of soil heterogeneity and vegetation type on the annual water balance at
the field scale
Vadose Zone J. **12** (4), 10.2136/vzj2013.03.0053
508. **Schneider, J., Holzer, F., Kraus, M., Kopinke, F.-D., Roland, U.** (2013):
Water dissociation in a radio-frequency electromagnetic field with *ex situ*
electrodes—process characterization
Plasma Sources Sci. Technol. **22** (1), 015010
509. **Schneider, J., Holzer, F., Rabe, C., Häupl, T., Kopinke, F.-D., Roland, U.** (2013):
Water dissociation in a radio-frequency electromagnetic field with *ex situ*
electrodes—modelling of discharge initiation
Plasma Sources Sci. Technol. **22** (2), 025007
510. **Schneider, M., Endo, S., Goss, K.-U.** (2013):
Volatilization of pesticides from the bare soil surface: evaluation of the humidity effect
J. Environ. Qual. **42** (3), 844 - 851
511. **Scholz, S.** (2013):
Zebrafish embryos as an alternative model for screening of drug-induced organ toxicity
Arch. Toxicol. **87** (5), 767 - 769

512. **Scholz, S., Renner, P.**, Belanger, S., Busquet, F., Davi, R., Demeneix, B., Denny, J., Léonard, M., McMaster, M., Villeneuve, D., Embry, M. (2013): Alternatives to in vivo tests to detect endocrine disrupting chemicals (EDCs) in fish and amphibians – screening for estrogen, androgen and thyroid hormone disruption
Crit. Rev. Toxicol. **43** (1), 45 - 70
513. **Scholz, S.**, Sela, E., Blaha, L., Braunbeck, T., Galay-Burgos, M., García-Franco, M., Guinea, J., **Klüver, N.**, Schirmer, K., Tanneberger, K., Tobor-Kaplon, M., Witters, H., Belanger, S., Benfenati, E., Creton, S., Cronin, M.T.D., Eggen, R.I.L., Embry, M., Ekman, D., Gourmelon, A., Halder, M., Hardy, B., Hartung, T., Hubesch, B., Jungmann, D., Lampi, M.A., Lee, L., Léonard, M., **Küster, E.**, Lillicrap, A., **Luckenbach, T.**, Murk, A.J., Navas, J.M., Peijnenburg, W., Repetto, G., Salinas, E., **Schüürmann, G.**, Spielmann, H., Tollefson, K.E., Walter-Rohde, S., Whale, G., Wheeler, J.R., Winter, M.J. (2013): A European perspective on alternatives to animal testing for environmental hazard identification and risk assessment
Regul. Toxicol. Pharmacol. **67** (3), 506 - 530
514. **Schreiber, R.**, Harguineguy, C.A., Manetti, M.D. (2013): Dynamics of organochlorine contaminants in surface water and in *Myriophyllum aquaticum* plants of the river Xanaes in central Argentina during the annual dry season
Arch. Environ. Contam. Toxicol. **65** (3), 466 - 473
515. Schubert, G., Vigilant, L., Boesch, C., **Klenke, R.**, Langergraber, K., Mundry, R., Surbeck, M., Hohmann, G. (2013): Co-residence between males and their mothers and grandmothers is more frequent in bonobos than chimpanzees
PLOS One **8** (12), e83870
516. **Schulz, B.**, Eckstein, R.L., **Durka, W.** (2013): Scoring and analysis of methylation-sensitive amplification polymorphisms for epigenetic population studies
Mol. Ecol. Resour. **13** (4), 642 - 653
517. **Schulz, S., Siebert, C., Rödiger, T.**, Al-Raggad, M., **Merz, R.** (2013): Application of the water balance model J2000 to estimate groundwater recharge in a semi-arid environment - a case study in the Zarqa River catchment, NW-Jordan
Environ. Earth Sci. **69** (2), 605 - 615
518. **Schulz-Zunkel, C.**, Krueger, F., **Rupp, H.**, **Meissner, R.**, Gruber, B., **Gerisch, M.**, Bork, H.-R. (2013): Spatial and seasonal distribution of trace metals in floodplain soils : a case study with the Middle Elbe River, Germany
Geoderma **211-212** , 128 - 137

519. **Schurig, C., Melo, V.A., Miltner, A., Kaestner, M.** (2013):
Characterisation of microbial activity in the framework of natural attenuation without groundwater monitoring wells? A new Direct-Push probe
Environ. Sci. Pollut. Res.
520. **Schurig, C.**, Smittenberg, R., Berger, J., **Kraft, F.**, Woche, S.K., Goebel, M.-O., **Heipieper, H.J.**, **Miltner, A.**, **Kästner, M.** (2013):
Microbial cell-envelope fragments and the formation of soil organic matter - a case study from a glacier forefield
Biogeochemistry **113** (1-3), 595 - 612
521. **Schuster, J., Purswani, J., Breuer, U., Pozo, C., Harms, H., Müller, R.H., Rohwerder, T.** (2013):
Constitutive expression of the cytochrome P450 EthABCD monooxygenase system enables degradation of synthetic dialkyl ethers in *aquncola tertiaricarbonis* L108
Appl. Environ. Microb. **79** (7), 2321 - 2327
522. **Schütze, C., Dietrich, P., Sauer, U.** (2013):
Diagnostic monitoring to identify preferential near-surface structures for CO₂ degassing into the atmosphere: tools for investigations at different spatial scales validated at a natural analogue site
Int. J. Greenh. Gas Control **18** , 285 - 295
523. **Schütze, C., Lau, S., Reiche, N., Sauer, U., Borsdorf, H.** (2013):
Ground-based remote sensing with open-path fourier- transform infrared (OP-FTIR) spectroscopy for large-scale monitoring of greenhouse gases
Energy Procedia **37** , 4276 - 4282
524. Schütze, E., **Miltner, A.**, Nietzsche, S., **Achtenhagen, J.**, Klose, M., Merten, D., Greyer, M., Roth, M., **Kästner, M.**, Kothe, E. (2013):
Live and death of streptomyces in soil—what happens to the biomass?
J. Plant Nutr. Soil Sci. **176** (5), 665 - 673
525. **Schüürmann, G.** (2013):
Non-animal approaches for the predictive assessment of the aquatic toxicity of organic compounds
Abstr. Paper Am. Chem. Soc. **246** , 125-ENVR
526. Schymanski, S.J., **Dormann, C.F.**, Cabral, J., Chuine, I., Graham, C.H., **Hartig, F.**, Kearney, M., Morin, X., Römermann, C., Schröder, B., **Singer, A.** (2013):
Process, correlation and parameter fitting in species distribution models: a response to Kriticos *et al.*
J. Biogeogr. **40** (3), 612 - 613

527. **Seeger, E.M.**, Maier, U., Grathwohl, P., **Kuschk, P.**, **Kaestner, M.** (2013):
Performance evaluation of different horizontal subsurface flow wetland types by
characterization of flow behavior, mass removal and depth-dependent contaminant load
Water Res. **47** (2), 769 - 780
528. **Seifert, J.**, **Herbst, F.-A.**, Nielsen, P.H., Planes, F.J., Ferrer, M., **von Bergen, M.** (2013):
Bioinformatic progress and applications in metaproteogenomics for bridging the gap
between genomic sequences and metabolic functions in microbial communities
Proteomics **13** (18-19), 2786 - 2804
529. Selle, B., **Rink, K.**, **Kolditz, O.** (2013):
Recharge and discharge controls on groundwater travel times and flow paths to
production wells for the Ammer catchment in southwestern Germany
Environ. Earth Sci. **69** (2), 443 - 452
530. **Seppelt, R.**, **Bankamp, D.**, Voinov, A.A., Rizzoli, A. (2013):
6th International Congress on Environmental Modelling and Software (iEMSs):
"Managing Resources of a Limited Planet: Pathways and Visions under Uncertainty": a
congress report
Environ. Modell. Softw. **43** , 160 - 162
531. **Seppelt, R.**, **Lautenbach, S.**, **Volk, M.** (2013):
Identifying trade-offs between ecosystem services, land use, and biodiversity: a plea for
combining scenario analysis and optimization on different spatial scales
Curr. Opin. Environ. Sustain. **5** (5), 458 - 463
532. **Settele, J.** (2013):
Job seeking: Two sentences to impress
Nature **496** (7444), 169 - 169
533. **Settele, J.**, **Kühn, I.**, Thomas, J.A. (2013):
Safeguard species in warming flatlands
Nature **502** (7471), 303 - 303
534. **Settele, J.**, **Spangenberg, J.H.** (2013):
The age of man: outpacing evolution
Science **340** (6138), 1287
535. Shalapska, T., **Stryhanyuk, H.**, Gektin, A., Kotlov, A., Demchenko, P., Voloshinovskii,
A. (2013):
Luminescence properties of Ce³⁺-doped NaPrP₄O₁₂ polyphosphate
J. Phys.-Condens. Matter **25** (10), art. 105403

536. **Shao, H.**, Kosakowski, G., Berner, U., Kulik, D.A., Mäder, U., **Kolditz, O.** (2013): Reactive transport modeling of the clogging process at Maqarin natural analogue site
Phys. Chem. Earth **64** , 21 - 31
537. **Shao, H.**, **Nagel, T.**, Roßkopf, C., Linder, M., Wörner, A., **Kolditz, O.** (2013): Non-equilibrium thermo-chemical heat storage in porous media: Part 2 – A 1D computational model for a calcium hydroxide reaction system
Energy **60** , 271 - 282
538. Sheik, A.R., Brussaard, C.P.D., Lavik, G., Foster, R.A., **Musat, N.**, Adam, B., Kuypers, M.M.M. (2013): Viral infection of *Phaeocystis globosa* impedes release of chitinous star-like structures: quantification using single cell approaches
Environ. Microbiol. **15** (5), 1441 - 1451
539. **Shen, G.**, **Wiegand, T.**, Mi, X., He, F. (2013): Quantifying spatial phylogenetic structures of fully stem-mapped plant communities
Methods Ecol. Evol. **4** (12), 1132 - 1141
540. Shope, C.L., Bartsch, S., Kim, K., Kim, B., Tenhunen, J., Peiffer, S., Park, J.-H., Ok, Y.S., **Fleckenstein, J.H.**, Koellner, T. (2013): A weighted, multi-method approach for accurate basin-wide streamflow estimation in an ungauged watershed
J. Hydrol. **494** , 72 - 82
541. **Shrestha, R.R.**, **Osenbrück, K.**, **Rode, M.** (2013): Assessment of catchment response and calibration of a hydrological model using high-frequency discharge–nitrate concentration data
Hydrol. Res. **44** (6), 995 - 1012
542. Sibly, R.M., **Grimm, V.**, **Martin, B.T.**, Johnston, A.S.A., Kułakowska, K., Topping, C.J., Calow, P., Nabe-Nielsen, J., Thorbek, P., DeAngelis, D.L. (2013): Representing the acquisition and use of energy by individuals in agent-based models of animal populations
Methods Ecol. Evol. **4** (2), 151 - 161
543. Siegert, M., Taubert, M., Seifert, J., **von Bergen-Tomm, M.**, Basen, M., **Bastida, F.**, **Gehre, M.**, **Richnow, H.-H.**, Krüger, M. (2013): The nitrogen cycle in anaerobic methanotrophic mats of the Black Sea is linked to sulfate reduction and biomass decomposition
FEMS Microbiol. Ecol. **86** (2), 231 - 245
544. **Singer, A.**, Travis, J.M.J., **Johst, K.** (2013): Interspecific interactions affect species and community responses to climate shifts
Oikos **122** (3), 358 - 366

545. **Singh, A., Delfs, J.-O., Shao, H., Kolditz, O.** (2013):
Characterization of CO₂ leakage into the freshwater body
Energy Procedia **40**, 481 - 489
546. **Singh, A.K., Böttcher, N., Görke, U.-J., Delfs, J.-O., Taron, J., Kolditz, O.** (2013):
A benchmark study on non-isothermal compositional fluid flow
Energy Procedia **37**, 3901 - 3910
547. **Sinha, S.**, Liu, X., Garcia, M.H. (2013):
A three-dimensional water quality model of Chicago Area Waterway System (CAWS)
Environ. Model. Assess. **18** (5), 567 - 592
548. Skórka, P., **Nowicki, P.**, Kudłek, J., Pępkowska, A., Śliwińska, E.B., Witek, M., **Settele, J.**, Woyciechowski, M. (2013):
Movements and flight morphology in the endangered Large Blue butterflies
Cent. Eur. J. Biol. **8** (7), 662 - 669
549. Skórka, P., **Nowicki, P.**, Lenda, M., Witek, M., Śliwińska, E.B., **Settele, J.**, Woyciechowski, M. (2013):
Different flight behaviour of the endangered scarce large blue butterfly *Phengaris teleius* (Lepidoptera: Lycaenidae) within and outside its habitat patches
Landscape Ecol. **28** (3), 533 - 546
550. Socher, S.A., Prati, D., Boch, S., Müller, J., Baumbach, H., Gockel, S., Hemp, A., Schöning, I., Wells, K., **Buscot, F.**, Kalko, E.K.V., Linsenmair, K.E., Schulze, E.-D., Weisser, W.W., Fischer, M. (2013):
Interacting effects of fertilization, mowing and grazing on plant species diversity of 1500 grasslands in Germany differ between regions
Basic Appl. Ecol. **14** (2), 126 - 136
551. **Solazzo, G.**, Moritz, R.F.A., **Settele, J.** (2013):
Choice behaviour of *Myrmica rubra* workers between ant larvae and larvae of their *Phengaris (Maculinea) nausithous* nest parasites
Insect. Soc. **60** (1), 57 - 64
552. **Spangenberg, J.H.** (2013):
Pick simply the best: sustainable development is about radical analysis and selective synthesis, not about old wine in new bottles
Sustain. Dev. **21** (2), 191 - 111
553. **Spangenberg, J.H.** (2013):
Mehr als Kritik und ohne Wahrheit: Pfade zu einer zukunftsfähigen Nachhaltigkeitsforschung. Reaktion auf T. Jahn. 2013. Wissenschaft für eine nachhaltige Entwicklung braucht eine kritische Orientierung. GAIA 22/1: 29 –33
GAIA **22** (2), 80 - 81

554. Speybroeck, N., Van Malderen, C., Harper, S., **Müller, B.**, Devleesschauwer, B. (2013): Simulation models for socioeconomic inequalities in health: a systematic review
Int. J. Environ. Res. Public Health **10** (11), 5750 - 5780
555. Srikanth Lavu, R.V., Prasad, M.N.V., **Meißner, R.**, **Rinklebe, J.**, Van De Wiele, T., Tack, F., Du Laing, G. (2013): Trace metals accumulation in *Bacopa monnieri* and their bioaccessibility
Planta Med. **79** (12), 1081 - 1083
556. **Stampfli, N.**, **Knillmann, S.**, **Liess, M.**, Noskov, Y., Schäfer, R.B., **Beketov, M.A.** (2013): Two stressors and a community – Effects of hydrological disturbance and a toxicant on freshwater zooplankton
Aquat. Toxicol. **127**, 9 - 20
557. Stange, C.F., **Spott, O.**, Arriaga, M., Menéndez, S., Estavillo, J.M., Merino, P. (2013): Use of the inverse abundance approach to identify the sources of NO and N₂O release from Spanish forest soils under oxic and hypoxic conditions
Soil Biol. Biochem. **43** (2), 451 - 458
558. **Stange, C.F.**, **Spott, O.**, Russow, R. (2013): Analysis of the coexisting pathways for NO and N₂O formation in Chernozem using the ¹⁵N-tracer SimKIM-Advanced model
Isot. Environ. Health Stud. **49** (4), 503 - 519
559. Stefanescu, C., Páramo, F., Åkesson, S., Alarcón, M., Ávila, A., Brereton, T., Carnicer, J., Cassar, L.F., Fox, R., Heliölä, J., Hill, J.K., Hirneisen, N., Kjellén, N., **Kühn, E.**, Kuussaari, M., Leskinen, M., Liechti, F., **Musche, M.**, Regan, E.C., Reynolds, D.R., Roy, D.B., Ryholm, N., Schmaljohann, H., **Settele, J.**, Thomas, C.D., van Swaay, C., Chapman, J.W. (2013): Multi-generational long-distance migration of insects: studying the painted lady butterfly in the Western Palaearctic
Ecography **36** (4), 474 - 486
560. **Stenzel, A.**, **Goss, K.-U.**, Endo, S. (2013): Experimental determination of polyparameter linear free energy relationship (pp-LFER) substance descriptors for pesticides and other contaminants: new measurements and recommendations
Environ. Sci. Technol. **47** (24), 14204 - 14214
561. **Stenzel, A.**, **Goss, K.U.**, Endo, S. (2013): Determination of polyparameter linear free energy relationship (pp-LFER) substance descriptors for established and alternative flame retardants
Environ. Sci. Technol. **47** (3), 1399 - 1406

562. **Strauch, M.**, Lima, J.E.F.W. , **Volk, M.**, Lorz, C., Makeschin, F. (2013):
The impact of Best Management Practices on simulated streamflow and sediment load in
a Central Brazilian catchment
J. Environ. Manage. **127** , S24 - S36
563. **Strauch, M.**, **Volk, M.** (2013):
SWAT plant growth modification for improved modeling of perennial vegetation in the
tropics
Ecol. Model. **269** , 98 - 112
564. Strelbel, K., Espinosa, G., Giralt, F., **Kindler, A.**, Rallo, R., **Richter, M.**, **Schlink, U.**
(2013):
Modeling airborne benzene in space and time with self-organizing maps and Bayesian
techniques
Environ. Modell. Softw. **41** , 151 - 162
565. Strohmeier, S., Knorr, K.-H., Reichert, M., Frei, S., **Fleckenstein, J.H.** (2013):
Concentrations and fluxes of dissolved organic carbon in runoff from a forested
catchment: insights from high frequency measurements
Biogeosciences **10** , 905 - 916
566. Suárez-Esteban, A., Delibes, M., **Fedriani, J.M.** (2013):
Barriers or corridors? The overlooked role of unpaved roads in endozoochorous seed
dispersal
J. Appl. Ecol. **50** (3), 767 - 774
567. Suárez-Esteban, A., Delibes, M., **Fedriani, J.M.** (2013):
Unpaved road verges as hotspots of fleshy-fruited shrub recruitment and establishment
Biol. Conserv. **167** , 50 - 56
568. Sutherland, W.J., Freckleton, R.P., Godfray, H.C.J., Beissinger, S.R., Benton, T., Cameron, D.D., Carmel, Y., Coomes, D.A., Coulson, T., Emmerson, M.C., Hails, R.S., Hays, G.C., Hodgson, D.J., Hutchings, M.J., Johnson, D., Jones, J.P.G., Keeling, M.J., Kokko, H., Kunin, W.E., Lambin, X., Lewis, O.T., Malhi, Y., Mieszkowska, N., Milner-Gulland, E.J., Norris, K., Phillimore, A.B., Purves, D.W., Reid, J.M., Reuman, D.C., Thompson, K., Travis, J.M.J., Turnbull, L.A., Wardle, D.A., **Wiegand, T.** (2013):
Identification of 100 fundamental ecological questions
J. Ecol. **101** (1), 58 - 67
569. **Szarka, N.**, Scholwin, F., Trommler, M., Jacobi, H.F., **Eichhorn, M.**, Ortwein, A., **Thrän, D.** (2013):
A novel role for bioenergy: a flexible, demand-oriented power supply
Energy **61** , 18 - 26

570. Tang, L., Schramm, A., **Neu, T.R.**, Revsbech, N.P., Meyer, R.L. (2013):
Extracellular DNA in adhesion and biofilm formation of four environmental isolates: a quantitative study
FEMS Microbiol. Ecol. **86** (3), 394 - 403
571. Tang, S., Chan, W.W.M., Fletcher, K.E., **Seifert, J.**, Liang, X., Löffler, F.E., Edwards, E.A., **Adrian, L.** (2013):
Functional characterization of reductive dehalogenases using blue native polyacrylamide gel electrophoresis
Appl. Environ. Microb. **79** (3), 974 - 981
572. **Tarkka, M.T., Herrmann, S., Wubet, T., Feldhahn, L., Recht, S., Kurth, F., Mailänder, S., Bönn, M., Neef, M., Angay, O., Bacht, M., Graf, M., Maboreke, H., Fleischmann, F., Grams, T.E.E., Ruess, L., Schädler, M., Brandl, R., Scheu, S., Schrey, S.D., Grosse, I., Buscot, F.** (2013):
OakContigDF159.1, a reference library for studying differential gene expression in *Quercus robur* during controlled biotic interactions: use for quantitative transcriptomic profiling of oak roots in ectomycorrhizal symbiosis
New Phytol. **199** (2), 529 - 540
573. **Tauber, T., Wirth, B., Nikolausz, M., Palatinszky, M., Schumann, P., Márialigeti, K., Tóth, E.M.** (2013):
The effect of easily degradable substrate feeding on the community structure of laboratory-scale wastewater sludge digesters
Acta Microbiol. Immunol. Hung. **60** (3), 289 - 301
574. **Taubert, F., Hartig, F., Dobner, H.-J., Huth, A.** (2013):
On the challenge of fitting tree size distributions in ecology
PLOS One **8** (2), e58036
575. **Taubert, M., von Bergen-Tomm, M., Seifert, J.** (2013):
Limitations in detection of 15N incorporation by mass spectrometry in protein-based stable isotope probing (protein-SIP)
Anal. Bioanal. Chem. **405** (12), 3989 - 3996
576. te Brake, B., Hanssen, R.F., van der Ploeg, M.J., **de Rooij, G.H.** (2013):
Satellite-based radar interferometry to estimate large-scale soil water depletion from clay shrinkage: possibilities and limitations
Vadose Zone J. **12** (3), 10.2136/vzj2012.0098
577. te Brake, B., van der Ploeg, M.J., **de Rooij, G.H.** (2013):
Water storage change estimation from in situ shrinkage measurements of clay soils
Hydrol. Earth Syst. Sci. **17** (5), 1933 - 1949

578. **Tessema, S. G.**, Mirgorodsky, D., Merten, D., **Hildebrandt, A.**, **Attinger, S.**, Büchel, G. (2013):
Hydrochemical characterization of groundwater system of biodiversity experimental field: Jena, Germany
Environ. Earth Sci. **70** (2), 821 - 837
579. **Theuring, P.**, **Rode, M.**, Behrens, S., Kirchner, G., Jha, A. (2013):
Identification of fluvial sediment sources in the Kharaa River catchment, Northern Mongolia
Hydrol. Process. **27** (6), 845 - 856
580. Thomas, G., **Stärk, H.-J.**, Wellenreuther, G., Dickinson, B.C., Küpper, H. (2013):
Effects of nanomolar copper on water plants — comparison of biochemical and biophysical mechanisms of deficiency and sublethal toxicity under environmentally relevant conditions
Aquat. Toxicol. **140–141** , 27 - 36
581. Thomas, J.A., Elmes, G.W., Sieleznew, M., Stankiewicz-Fiedurek, A., Simcox, D.J., **Settele, J.**, Schönrogge, K. (2013):
Mimetic host shifts in an endangered social parasite of ants
Proc. R. Soc. B-Biol. Sci. **280** (1751), art. 20122336
582. Thorpe, S.D., **Nagel, T.**, Carroll, S.F., Kelly, D.J. (2013):
Modulating gradients in regulatory signals within mesenchymal stem cell seeded hydrogels: a novel strategy to engineer zonal articular cartilage
PLOS One **8** (4), e60764
583. **Thullner, M.**, **Fischer, A.**, **Richnow, H.-H.**, **Wick, L.Y.** (2013):
Influence of mass transfer on stable isotope fractionation
Appl. Microbiol. Biotechnol. **97** (2), 441 - 452
584. Tischer, C.G., Gref, A., Standl, M., **Bauer, M.**, Bergström, A., Brauer, M., Carlsten, C., Gehring, U., Granell, R., Henderson, J., Kerkhof, M., MacNutt, M., Melén, E., Wickman, M., Heinrich, J. (2013):
Glutathione-S-transferase P1, early exposure to mould in relation to respiratory and allergic health outcomes in children from six birth cohorts. A meta-analysis
Allergy **68** (3), 339 - 346
585. **Tischer, K.**, **Kleinsteuber, S.**, **Schleinitz, K.M.**, **Fetzer, I.**, **Spott, O.**, Stange, F., **Lohse, U.**, **Franz, J.**, **Neumann, F.**, **Gerling, S.**, **Schmidt, C.**, Hasselwander, E., **Harms, H.**, **Wendeberg, A.** (2013):
Microbial communities along biogeochemical gradients in a hydrocarbon-contaminated aquifer
Environ. Microbiol. **15** (9), 2603 - 2615

586. **Tittel, J., Büttner, O.**, Freier, K., Heiser, A., Sudbrack, R., **Ollesch, G.** (2013):
The age of terrestrial carbon export and rainfall intensity in a temperate river headwater system
Biogeochemistry **115** (1-3), 53 - 63
587. Tluczkiewicz, I., Batke, M., Kroese, D., Buist, H., Aldenberg, T., Pauné, G., Grimm, H., **Kühne, R.**, **Schüürmann, G.**, Mangelsdorf, I., Escher, S.E. (2013):
The OSIRIS Weight of Evidence approach: ITS for the endpoints repeated-dose toxicity (RepDose ITS)
Regul. Toxicol. Pharmacol. **67** (2), 157 - 169
588. **Tomm, J.M.**, Krause, C., Simon, J.C., Treudler, R., **von Bergen, M.**, Averbeck, M. (2013):
Pyruvate kinase and phosphopyruvate hydratase as novel IgE reactive proteins in prawn
J. Invest. Allergol. Clin. Immunol. **23** (6), 443 - 445
589. **Tomm, J.M.**, van Do, T., **Jende, C.**, Simon, J.C., Treudler, R., **von Bergen, M.**, Averbeck, M. (2013):
Identification of new potential allergens from Nile perch (*Lates niloticus*) and Cod (*Gadus morhua*)
J. Invest. Allergol. Clin. Immunol. **23** (3), 159 - 167
590. **Touza, J., Drechsler, M.**, Smart, J.C.R., Termansen, M. (2013):
Emergence of cooperative behaviours in the management of mobile ecological resources
Environ. Modell. Softw. **45**, 52 - 63
591. **Trauth, N., Schmidt, C., Maier, U., Vieweg, M., Fleckenstein, J.H.** (2013):
Coupled 3-D stream flow and hyporheic flow model under varying stream and ambient groundwater flow conditions in a pool-riffle system
Water Resour. Res. **49** (9), 5834 - 5850
592. Troeller, S., Linsel, G., Huettig, N., **Bauer, M.**, **Gräbsch, C.**, Smirnova, L., Pirow, R., Liebsch, M., Berger-Preiß, E., Kock, H., Oertel, A., Ritter, D., Knebel, J. (2013):
Air/liquid interface (ALI) technique for toxicity testing of gaseous compounds on human lung cells
Toxicol. Lett. **221** (Suppl.), S138 - S139
593. Tzanopoulos, J., Mouttet, R., Letourneau, A., Vogiatzakis, I.N., Potts, S.G., **Henle, K.**, Mathevret, R., Marty, P. (2013):
Scale sensitivity of drivers of environmental change across Europe
Glob. Environ. Change **23** (1), 167 - 178

594. **Ulrich, N., Schüürmann, G., Brack, W.** (2013):
Prediction of gas chromatographic retention indices as classifier in non-target analysis of environmental samples
J. Chromatogr. A **1285**, 139 - 147
595. **Václavík, T., Lautenbach, S., Kuemmerle, T., Seppelt, R.** (2013):
Mapping global land system archetypes
Glob. Environ. Change **23** (6), 1637 - 1647
596. Valencia, J., Lassaletta, L., **Velázquez, E.**, Nicolau, J.M., Gómez-Sal, A. (2013):
Factors controlling compositional changes in a Northern Andean Páramo (La Rusia, Colombia)
Biotropica **45** (1), 18 - 26
597. Vallejo, A., **Prieto, A., Moeder, M.**, Usobiaga, A., Zuloaga, O., Etxebarria, A., **Paschke, A.** (2013):
Calibration and field test of the Polar Organic Chemical Integrative Samplers for the determination of 15 endocrine disrupting compounds in wastewater and river water with special focus on performance reference compounds (PRC)
Water Res. **47** (8), 2851 - 2862
598. van der Grift, E.A., van der Ree, R., Fahrig, L., Findlay, S., Houlahan, J., Jaeger, J.A.G., **Klar, N.**, Madriñan, F., Olson, L. (2013):
Evaluating the effectiveness of road mitigation measures
Biodivers. Conserv. **22** (2), 425 - 448
599. van Oijen, M., Reyer, C., **Bohn, F.**, Cameron, D.R., Deckmyn, G., Flechsig, M., Häkkinen, F., **Hartig, F., Huth, A.**, Kivistö, A., Lasch, P., Mäkelä, A., Mette, T., Minunno, F., Rammer, W. (2013):
Bayesian calibration, comparison and averaging of six forest models, using data from Scots pine stands across Europe
For. Ecol. Manage. **289**, 255 - 268
600. Van Stan II, J.T., Martin, K., **Friesen, J.**, Jarvis, M.T., Lundquist, J.D., Levitt, D.F. (2013):
Evaluation of an instrumental method to reduce error in canopy water storage estimates via mechanical displacement
Water Resour. Res. **49** (1), 54 - 63
601. Čvančarová, M., **Moeder, M.**, Filipová, A., **Reemtsma, T.**, Cajthaml, T. (2013):
Biotransformation of the antibiotic agent flumequine by ligninolytic fungi and residual antibacterial activity of the transformation mixtures
Environ. Sci. Technol. **47** (24), 14128 - 14136

602. **Vetterlein, D.**, Kühn, T., Kaiser, K., Jahn, R. (2013):
Illite transformation and potassium release upon changes in composition of the rhizosphere soil solution
Plant Soil **371** (1-2), 267 - 279
603. **Vienken, T.**, Matthes, K., Nusche, H., **Dietrich, P.** (2013):
Erwiderung zum Kommentar von Fuchs et al. zum Beitrag „Auswirkungen von Messunsicherheiten bei der Korngrößenanalyse auf die Berechnung des Durchlässigkeitsbeiwertes“ von Matthes et al. (2012) in Grundwasser 17(2), 105–111.
Reply to the commentary by Fuchs et al. on the paper "Effects of measuring uncertainties in particle size analysis on the calculation of transmittance levels" by Matthes et al. (2012) in Groundwater (Grundwasser) 17(2), pp. 105-111
Grundwasser **18** (1), 59 - 61
604. **Vienken, T.**, Reboulet, E., Leven, C., Kreck, M., Zschornack, L., Dietrich, P. (2013):
Field comparison of selected methods for vertical soil water content profiling
J. Hydrol. **501** , 205 - 212
605. **Vieweg, M.**, Trauth, N., Fleckenstein, J.H., Schmidt, C. (2013):
Robust optode-based method for measuring in situ oxygen profiles in gravelly streambeds
Environ. Sci. Technol. **47** (17), 9858 - 9865
606. Viglione, A., **Merz, R.**, Salinas, J.L., Blöschl, G. (2013):
Flood frequency hydrology: 3. A Bayesian analysis
Water Resour. Res. **49** (2), 675 - 692
607. Vihervaara, P., D'Amato, D., Forsius, M., Angelstam, P., **Baessler, C.**, Balvanera, P., Boldgiv, B., Bourgeron, P., Dick, J., Kanka, R., **Klotz, S.**, Maass, M., Melecis, V., Petřík, P., Shibata, H., Tang, J., Thompson, J., **Zacharias, S.** (2013):
Using long-term ecosystem service and biodiversity data to study the impacts and adaptation options in response to climate change: insights from the global ILTER sites network
Curr. Opin. Environ. Sustain. **5** (1), 53 - 66
608. Vogel, A., **Fester, T.**, Eisenhauer, N., Scherer-Lorenzen, M., Schmid, B., Weisser, W.W., Weigelt, A. (2013):
Separating drought effects from roof artifacts on ecosystem processes in a grassland drought experiment
PLOS One **8** (8), e70997
609. **Vogel, H.-J.**, Clothier, B., Li, X.-Y., Lin, H.S. (2013):
Hydropedology—a perspective on current research
Vadose Zone J. **12** (4), 10.2136/vzj2013.09.0161

610. **Vogs, C., Bandow, N., Altenburger, R.** (2013):
Effect propagation in a toxicokinetic/toxicodynamic model explains delayed effects on the growth of unicellular green algae *Scenedesmus vacuolatus*
Environ. Toxicol. Chem. **32** (5), 1161 - 1172
611. **Völker, J., Richter, S., Borchardt, D.**, Mohaupt, V. (2013):
Risk and monitoring based indicators of receiving water status: alternative or complementary elements in IWRM?
Water Sci. Technol. **67** (1), 33 - 39
612. **Völler, E., Auge, H., Bossdorf, O.**, Prati, D. (2013):
Land use causes genetic differentiation of life-history traits in *Bromus hordeaceus*
Glob. Change Biol. **19** (3), 892 - 899
613. **von Bergen, M., Jehmlich, N., Taubert, M., Vogt, C., Bastida, F., Herbst, F.-A., Schmidt, F., Richnow, H.-H., Seifert, J.** (2013):
Insights from quantitative metaproteomics and protein-stable isotope probing into microbial ecology
ISME J. **7** (10), 1877 - 1885
614. **von der Ohe, P.C.**, Goedkoop, W. (2013):
Distinguishing the effects of habitat degradation and pesticide stress on benthic invertebrates using stressor-specific metrics
Sci. Total Environ. **444** , 480 - 490
615. **von Tümpeling, W., Scheibe, N.**, Einax, J.W. (2013):
Extended sediment quality rating for trace elements in urban waters – case study Klinke, Germany
CLEAN-Soil Air Water **41** (6), 565 - 573
616. Vorpahl, P., **Dislich, C.**, Elsenbeer, H., Märker, M., Schröder, B. (2013):
Biotic controls on shallow translational landslides
Earth Surf. Process. Landf. **38** (2), 198 - 212
617. Wachinger, G., Renn, O., **Begg, C., Kuhlicke, C.** (2013):
The risk perception paradox—implications for governance and communication of natural hazards
Risk Anal. **33** (6), 1049 - 1065
618. Wagner, A., Segler, L., **Kleinsteuber, S.**, Sawers, G., Smidt, H., Lechner, U. (2013):
Regulation of reductive dehalogenase gene transcription in *Dehalococcoides mccartyi*
Philos. Trans. R. Soc. B-Biol. Sci. **368** (1616), 20120317

619. Wahyudi, A., **Bartzke, M.**, Küster, E., Bogaert, P. (2013):
Maximum entropy estimation of a Benzene contaminated plume using ecotoxicological assays
Environ. Pollut. **172** , 170 - 179
620. **Walter, J.**, Hein, R., Beierkuhnlein, C., Hammerl, V., **Jentsch, A.**, Schädler, M., Schuerings, J., Kreyling, J. (2013):
Combined effects of multifactor climate change and land-use on decomposition in temperate grassland
Soil Biol. Biochem. **60** , 10 - 18
621. Wang, F., Chen, Y., Hermens, J.L.M., **Droge, S.T.J.** (2013):
Evaluation of passive samplers with neutral or ion-exchange polymer coatings to determine freely dissolved concentrations of the basic surfactant lauryl diethanolamine: measurements of acid dissociation constant and organic carbon–water sorption coefficient
J. Chromatogr. A **1315** , 8 - 14
622. **Wang, X.**, Swenson, N.G., **Wiegand, T.**, Wolf, A., Howe, R., Lin, F., Ye, J., Yuan, Z., Shi, S., Bai, X., Xing, D., Hao, Z. (2013):
Phylogenetic and functional diversity area relationships in two temperate forests
Ecography **36** (8), 883 - 893
623. Ward, D., Wiegand, K., **Getzin, S.** (2013):
Walter's two-layer hypothesis revisited - back to the roots!
S. Afr. J. Bot. **86** , 141 - 141
624. Ward, D., Wiegand, K., **Getzin, S.** (2013):
Walter's two-layer hypothesis revisited: back to the roots!
Oecologia **172** (3), 617 - 630
625. Wehrer, M., **Mai, J.**, Attinger, S., Totsche, K.U. (2013):
Kinetic control of contaminant release from NAPLs – Information potential of concentration time profiles
Environ. Pollut. **179** , 301 - 314
626. **Weiland, S.**, Weiss, V., Turnpenny, J. (2013):
Introduction: Science in policy making
Nat. Cult. **8** (1), 1 - 7
627. **Weiner, B.**, Baskyr, I., Poerschmann, J., Kopinke, F.-D. (2013):
Potential of the hydrothermal carbonization process for the degradation of organic pollutants
Chemosphere **92** (6), 674 - 680

628. Weissbrodt, D.G., **Neu, T.R., Kuhlicke, U.**, Rappaz, Y., Holliger, C. (2013): Assessment of bacterial and structural dynamics in aerobic granular biofilms
Frontiers in Microbiology **4** , art. 175
629. **Weisse, K., Herberth, G., Röder, S., Borte, M.**, Heroux, D., Denburg, J., **Lehmann, I.** (2013): Eosinophil/basophil (Eo/B) progenitors in cord blood (CB) predict respiratory outcomes in early infancy
Allergy **68** (Suppl. 97), 53 - 53
630. **Weisse, K., Winkler, S., Hirche, F., Herberth, G., Hinz, D., Bauer, M., Röder, S., Rolle-Kampczyk, U., von Bergen, M.**, Olek, S., Richter, T., Diez, U., Borte, M., Stangl, G.I., **Lehmann, I.** (2013): Maternal and newborn vitamin D status and its impact on food allergy development in the German LINA cohort study
Allergy **68** (2), 220 - 228
631. **Wells, N.S., Clough, T.J., Condon, L.M., Baisden, W.T., Harding, J.S., Dong, Y., Lewis, G.D., Lear, G.** (2013): Biogeochemistry and community ecology in a spring-fed urban river following a major earthquake
Environ. Pollut. **182** , 190 - 200
632. Wentrup, C., **Wendeberg, A.**, Huang, J.Y., Borowski, C., Dubilier, N. (2013): Shift from widespread symbiont infection of host tissues to specific colonization of gills in juvenile deep-sea mussels
ISME J. **7** , 1244 - 1247
633. Wenzel, B., Barthel, C., Sorger, D., **Stüwe, R., Wondrousch, D., Schweiger, S.**, Jäckel, P., Deuther-Conrad, W., Steinbach, J., **Schüürmann, G.**, Sabri, O., Brust, P. (2013): Structure-affinity relationship study of novel vesamicol analogs as basis for the development of a selective PET-Ligand for the vesicular acetylcholine transporter
J. Label. Compd. Radiopharm. **56** (Suppl. 1), S265 - S265
634. **Werban, U., Bartholomeus, H., Dietrich, P., Grandjean, G., Zacharias, S.** (2013): Digital soil mapping: approaches to integrate sensing techniques to the prediction of key soil properties
Vadose Zone J. **12** (4), 10.2136/vzj2013.10.0178
635. Westerink, J., **Haase, D.**, Bauer, A., Ravetz, J., Jarrige, F., Aalbers, C.B.E.M. (2013): Dealing with sustainability trade-offs of the compact city in peri-urban planning across European city regions
Eur. Plan. Stud. **21** (4), 473 - 497

636. Wetzel, M.A., Wahrendorf, D.-S., **von der Ohe, P.C.** (2013):
Sediment pollution in the Elbe estuary and its potential toxicity at different trophic levels
Sci. Total Environ. **449**, 199 - 207
637. **Wiegand, T.**, He, F., Hubbell, S.P. (2013):
A systematic comparison of summary characteristics for quantifying point patterns in ecology
Ecography **36** (1), 92 - 103
638. **Wiegand, T.**, Raventós, J., Mújica, E., González, E., Bonet, A. (2013):
Spatio-temporal analysis of the effects of hurricane Ivan on two contrasting epiphytic orchid species in Guanahacabibes, Cuba
Biotropica **45** (4), 441 - 449
639. **Wiemers, M.**, Acosta-Fernández, B., Larsen, T.B. (2013):
On the recent invasion of the Canary Islands by two butterfly species, with the first record of *Leptotes pirithous* (Linnaeus, 1767) from Gran Canaria, Spain (Lepidoptera: Lycaenidae)
SHILAP-Rev. Lepidopt. **41** (161), 95 - 104
640. **Wiessner, A.**, Kappelmeyer, U., Kaestner, M., Schultze-Nobre, L., Kuschk, P. (2013):
Response of ammonium removal to growth and transpiration of *Juncus effusus* during the treatment of artificial sewage in laboratory-scale wetlands
Water Res. **47** (13), 4265 - 4273
641. Wilks, M.F., Barcelo, D., Capri, E., Ciffroy, P., Faust, M., Glass, C.R., Machera, K., Péry, A.R., **Schüürmann, G.** (2013):
HEROIC - an integrated European approach to the coordination of human and environmental risk assessment
Toxicol. Lett. **221** (Suppl.), S19 - S20
642. Will, S., Siebauer, M.F., Heyne, S., Engelhardt, J., Stadler, P.F., **Reiche, K.**, Backofen, R. (2013):
LocARNAscan: Incorporating thermodynamic stability in sequence and structure-based RNA homology search
Algorithms Mol. Biol. **8**, art. 14
643. **Winter, M.**, Devictor, V., **Schweiger, O.** (2013):
Phylogenetic diversity and nature conservation: where are we?
Trends Ecol. Evol. **28** (4), 199 - 204
644. **Winter, M.**, Devictor, V., **Schweiger, O.** (2013):
Conquering current obstacles for avoiding the misuse of evolutionary diversity in nature conservation: a reply to Rosauer and Mooers
Trends Ecol. Evol. **28** (6), 323 - 324

645. Wisz, M.S., Pottier, J., Kissling, W.D., Pellissier, L., Lenoir, J., Damgaard, C.F., **Dormann, C.F.**, Forchhammer, M.C., Grytnes, J.-A., Guisan, A., Heikkinen, R.K., Høye, T.T., **Kühn, I.**, Luoto, M., Maiorano, L., Nilsson, M.-C., Normand, S., Öckinger, E., Schmidt, N.M., Termansen, M., Timmermann, A., Wardle, D.A., Aastrup, P., Svenning, J.-C. (2013):
The role of biotic interactions in shaping distributions and realised assemblages of species: implications for species distribution modelling
Biol. Rev. **88** (1), 15 - 30
646. Wöhling, T., Gayler, S., Priesack, E., Ingwersen, J., Wizemann, H.-D., Högy, P., **Cuntz, M.**, **Attinger, S.**, Wulfmeyer, V., Streck, T. (2013):
Multiresponse, multiobjective calibration as a diagnostic tool to compare accuracy and structural limitations of five coupled soil-plant models and CLM3.5
Water Resour. Res. **49** (12), 8200 - 8221
647. Wöhling, T., **Samaniego, L.**, **Kumar, R.** (2013):
Evaluating multiple performance criteria to calibrate the distributed hydrological model of the upper Neckar catchment
Environ. Earth Sci. **69** (2), 453 - 468
648. Wu, S., **Kuschk, P.**, **Wiessner, A.**, **Kästner, M.**, Pang, C., Dong, R. (2013):
Response of removal rates to various organic carbon and ammonium loads in laboratory-scale constructed wetlands treating artificial wastewater
Water Environ. Res. **85** (1), 44 - 53
649. Wu, S., **Kuschk, P.**, **Wiessner, A.**, **Müller, J.A.**, **Saad, R.A.B.**, Dong, R. (2013):
Sulphur transformations in constructed wetlands for wastewater treatment: a review
Ecol. Eng. **52**, 278 - 289
650. Wu, S., **Wiessner, A.**, **Braeckeveldt, M.**, **Kappelmeyer, U.**, Dong, R., **Müller, J.A.**, **Kuschk, P.** (2013):
Influence of nitrate load on sulfur transformations in the rhizosphere of *Juncus effusus* in laboratory-scale constructed wetlands treating artificial domestic wastewater
Environ. Eng. Manag. J. **12** (3), 565 - 573
651. **Wu, Y.-T.**, **Wubet, T.**, **Trogisch, S.**, **Both, S.**, Scholten, T., Bruelheide, H., **Buscot, F.** (2013):
Forest age and plant species composition determine the soil fungal community composition in a Chinese subtropical forest
PLOS One **8** (6), e66829
652. Wycisk, P., **Stollberg, R.**, Neumann, C., Gossel, W., **Weiss, H.**, Weber, R. (2013):
Integrated methodology for assessing the HCH groundwater pollution at the multi-source contaminated mega-site Bitterfeld/Wolfen
Environ. Sci. Pollut. Res. **20** (4), 1907 - 1917

653. Xavier, J.C., **Louzao, M.**, Thorpe, S.E., Ward, P., Hill, C., Roberts, D., Croxall, J.P., Phillips, R.A. (2013): Seasonal changes in the diet and feeding behaviour of a top predator indicate a flexible response to deteriorating oceanographic conditions
Mar. Biol. **160** (7), 1597 - 1606
654. **Xiao, H., Meissner, R., Seeger, J., Rupp, H.**, Borg, H., Zhang, Y. (2013): Analysis of the effect of meteorological factors on dewfall
Sci. Total Environ. **452-453** , 384 - 395
655. Xu, W.J., Shao, H., Hesser, J., **Wang, W.**, Schuster, K., **Kolditz, O.** (2013): Coupled multiphase flow and elasto-plastic modelling of in-situ gas injection experiments in saturated claystone (Mont Terri Rock Laboratory)
Eng. Geol. **157** , 55 - 68
656. Xu, W., Shao, H., Marschall, P., Hesser, J., **Kolditz, O.** (2013): Analysis of flow path around the sealing section HG-A experiment in the Mont Terri Rock Laboratory
Environ. Earth Sci. **70** (7), 3363 - 3380
657. Xu, Z., Tu, L., Hu, T., **Schädler, M.** (2013): Implications of greater than average increases in nitrogen deposition on the western edge of the Szechwan Basin, China
Environ. Pollut. **177** , 201 - 202
658. **Yadav, P., Händel, F., Müller, C., Liedl, R., Dietrich, P.** (2013): NAFLA – Ein Simulationswerkzeug zur analytischen Abschätzung von Schadstofffahnenlängen
Grundwasser **18** (1), 47 - 53
659. Yovkova, V., Lippert, F., Bär, K., **Aurich, A.**, Barth, G., Mauersberger, S. (2013): Engineering the citric/isocitric acid overproduction by *Yarrowia lipolytica*
Yeast **30** (Suppl. 1), 135 - 135
660. Yovkova, V., Lippert, F., Bär, K., **Aurich, A.**, Barth, G., Mauersberger, S. (2013): Functional expression of the cholesterol side-chain cleavage cytochrome P450scc system and of P450c17 in *Yarrowia lipolytica*
Yeast **30** (Suppl. 1), 135 - 135
661. Zachmann, D.W., van der Veen, A., **Friese, K.** (2013): Floodplain lakes as an archive for the metal pollution in the River Elbe (Germany) during the 20th century
Appl. Geochem. **35** , 24 - 27

662. **Zarejousheghani, M., Möder, M., Borsdorf, H.** (2013):
A new strategy for synthesis of an in-tube molecularly imprinted polymer-solid phase microextraction device: Selective off-line extraction of 4-nitrophenol as an example of priority pollutants from environmental water samples
Anal. Chim. Acta **798**, 48 - 55
663. **Zarejousheghani, M., Möder, M., Borsdorf, H.** (2013):
A new strategy for synthesis of an in-tube molecularly imprinted polymer-solid phase microextraction device: selective off-line extraction of 4-nitrophenol as an example of priority pollutants from environmental water samples
Anal. Chim. Acta **798**, 48 - 55
664. **Zehnsdorf, A., Seidel, H., Hoffmann, P., Schlenker, U., Müller, R.A.** (2013):
Conditioning of sediment polluted with heavy metals using plants as a preliminary stage of the bioremediation process: a large-scale study
J. Soils Sediments **13** (6), 1106 - 1112
665. Zhang, N., Liu, W., Yang, H., Yu, X., **Gutknecht, J.L.M.**, Zhang, Z., Wan, S., Ma, K. (2013):
Soil microbial responses to warming and increased precipitation and their implications for ecosystem C cycling
Oecologia **173** (3), 1125 - 1142
666. Zhu, Y., **Getzin, S., Wiegand, T.**, Ren, H., Ma, K. (2013):
The relative importance of Janzen-Connell effects in influencing the spatial patterns at the Gutianshan subtropical forest
PLOS One **8** (9), e74560
667. Ziganshin, A.M., Liebetrau, J., Pröter, J., **Kleinsteuber, S.** (2013):
Microbial community structure and dynamics during anaerobic digestion of various agricultural waste materials
Appl. Microbiol. Biotechnol. **97** (11), 5161 - 5174
668. **Zschornack, L., Bohling, G.C., Butler jr., J.J., Dietrich, P.** (2013):
Hydraulic profiling with the direct-push permeameter: assessment of probe configuration and analysis methodology
J. Hydrol. **496**, 195 - 204

Artikel in anderen Zeitschriften (nicht ISI gelistet)

669. Alcántara, S., Droste-Franke, B., **Korte, K.**, Reeg, M. (2013):
Energiewende – Wo stehen wir und wie geht es weiter? Bericht zur Jahreskonferenz der
Europäischen Akademie Bad Neuenahr-Ahrweiler GmbH Bonn, 3.–4. Juni 2013
Technikfolgenabschätzung - Theorie und Praxis **22** (3), 72 - 74
670. **Auliya, M.** (2013):
From the BPSG Red List Authority
Serpens **2** (1), 3
671. **Auliya, M.**, Barker, D.G., Barker, T. (2013):
Book release: A Guide for the Identification of the Pythons of Indonesia, Philippines,
Papua New Guinea, and Continental Asia. Mark A. Auliya, David G. Barker and Tracy
M. Barker
Serpens **2** (1), 10
672. Backhaus, T., **Altenburger, R.**, Faust, M., Frein, D., Frische, T., Johansson, P., Kehrer,
A., Porsbring, T. (2013):
Proposal for environmental mixture risk assessment in the context of the biocidal product
authorization in the EU
Environmental Sciences Europe **25** , art. 4
673. **Baumann, S.**, **Kalkhof, S.**, **Hackermüller, J.**, **Otto, W.**, **Tomm, J.M.**, **Wissenbach,
D.K.**, **Rolle-Kampczyk, U.**, **von Bergen, M.** (2013):
Requirements and perspectives for integrating metabolomics with other omics data
Current Metabolomics **1** (1), 15 - 27
674. **Bausch, L.**, Mohr, A. (2013):
Book review: Review of "Tackling Long-Term Global Energy Problems. The
Contribution of Social Science" by Daniel Spreng, Thomas Flüeler, David L. Goldblatt
and Jürg Minsch (Editors)
Energy, Sustainability and Society **3** , art. 5
675. **Beck, S.** (2013):
Nachweis erbracht – Mission erfüllt? Zur Zukunft des Weltklimarats
Technikfolgenabschätzung - Theorie und Praxis **22** (3), 30 - 38
676. **Bleicher, A.** (2013):
Umgang mit Nichtwissen in Entscheidungsprozessen
Sicher ist sicher, Arbeitsschutz aktuell **9** (64), 410 - 412
677. **Borges De Amorim, P.**, Franke, J., Tanaka, M., **Weiss, H.**, Bernhofer, C. (2013):
Spatial interpolation of climatological information: comparison of methods for the
development of precipitation distribution in Distrito Federal, Brazil
Atmospheric and Climate Sciences **3** (2), 208 - 217

678. **Bovet, J.**, Bizer, K., Henger, R., Ostertag, K., Siedentop, S. (2013):
Handelbare Flächenzertifikate – vom akademischen Diskurs über einen Modellversuch in
die Planungspraxis?
Raumforschung und Raumordnung **71** (6), 497 - 507
679. **Bovet, J., Kindler, L.** (2013):
Wann und wie wird der Windenergie substanzial Raum verschafft? - Eine kritische
Diskussion der aktuellen Rechtsprechung und praktische Lösungsansätze
Deutsches Verwaltungsblatt **128** (8), 488 - 496
680. **Brack, W., Govender, S., Schulze, T., Krauss, M., Hu, M., Muz, M.**, Hollender, J.,
Schirmer, K., Schollee, J., Hidasi, A., Slobodnik, J., Rabova, Z., Ait-Aissa, S., Sonavane,
M., Carere, M., Lamoree, M., Leonards, P., Tufi, S., Ouyang, X., Schriks, M., Thomas,
K., de Almeida, A.C., Froment, J., Hammers-Wirtz, M., Ahel, M., Koprivica, S., Hollert,
H., Seiler, T.-B., Di Paolo, C., Tindall, A., Spirhanzlova, P. (2013):
EDA-EMERGE: an FP7 initial training network to equip the next generation of young
scientists with the skills to address the complexity of environmental contamination with
emerging pollutants
Environmental Sciences Europe **25**, art. 18
681. Brauner, O., **Wiemers, M.** (2013):
Erstnachweis von *Azanus ubaldus* (Cramer, 1782) auf Fuerteventura (Lepidoptera:
Lycaenidae). First record of *Azanus ubaldus* (Cramer, 1782) from Fuerteventura
(Lepidoptera: Lycaenidae)
Nachrichten des Entomologischen Vereins Apollo **34** (1/2), 95 - 96
682. Courtois, E.A., Cornuau, J.H., **Loyau, A., Schmeller, D.S.** (2013):
Distribution of *Amphibiocystidium* sp. in palmate newts (*Lissotriton helveticus*) in Ariège,
France
Herpetology Notes **6**, 539 - 543
683. Courtois, E.A., Lelong, C., Calvez, O., **Loyau, A., Schmeller, D.S.** (2013):
The use of visible implant Alpha tags for anuran tadpoles
Herpetol. Rev. **44** (2), 230 - 233
684. Cyffka, B., **Karthe, D.** (2013):
Water resources and riverine ecosystems in Eastern Central Asia: management
perspectives in the context of
multiple stressors. Editorial
Geo-öko **34** (1-2), 3 - 4

685. Denzer, V., **Klotz, S.**, Porada, H.T. (2013):
Landeskunde, Environmental History und Landschaftsökologie. Ein kurzer Rück- und Ausblick zu methodischen Ansätzen der Kulturlandschaftsforschung im internationalen Vergleich
Berichte. Geographie und Landeskunde **87** (3), 209 - 214
686. **Fedriani, J.M., Wiegand, T.** (2013):
Frugivores strongly aggregate dispersed seeds
Bull. Ecol. Soc. Am. **94** (4), 381 - 385
687. **Gawel, E.** (2013):
Systeme der Kostenträgerrechnung
Friedhofskultur **103** (12), 32 - 34
688. **Gawel, E.** (2013):
Was bringt eine Grundgebühr für Friedhofsleistungen?
Friedhofskultur **103** (8), 21 - 23
689. **Gawel, E.** (2013):
Neuordnung der W-Besoldung in Hessen: Verfassungsrechtliche Probleme bleiben. Teil I: Grundlagen und Grundsatzproblematik der Teilkonsumtion
LKRZ : Zeitschrift für Landes- und Kommunalrecht Hessen, Rheinland-Pfalz, Saarland **7** (5), 177 - 184
690. **Gawel, E.** (2013):
Gebührensysteme im Friedhofswesen
Friedhofskultur **103** (5), 14 - 19
691. **Gawel, E.** (2013):
Neuordnung der W-Besoldung in Hessen: Verfassungsrechtliche Probleme bleiben. Teil II: Ausgestaltungsprobleme der Teilkonsumtion
LKRZ : Zeitschrift für Landes- und Kommunalrecht Hessen, Rheinland-Pfalz, Saarland **7** (6), 239 - 242
692. **Gawel, E.** (2013):
Finanzierung der Verkehrsinfrastruktur – Optionen und polit-ökonomische Blockaden
Wirtschaftsdienst - Zeitschrift für Wirtschaftspolitik **93** (10), 670 - 674
693. **Gawel, E.** (2013):
"Grundlegende Neuordnung" des EEG - aber wie?
Wirtschaftsdienst - Zeitschrift für Wirtschaftspolitik **93** (11), 785 - 792

694. **Gawel, E.** (2013):
Gebührenkalkulation in Hessen nach der HKAG-Novelle 2012
LKRZ : Zeitschrift für Landes- und Kommunalrecht Hessen, Rheinland-Pfalz, Saarland 7 (2), 51 - 56
695. **Gawel, E.** (2013):
EEG-Umlage: auch weiterhin keine verfassungswidrige Finanzierungs-Sonderabgabe
Energiewirtschaftliche Tagesfragen 63 (4), 25 - 30
696. **Gawel, E.** (2013):
Die EEG-Umlage: Preisregelung oder Sonderabgabe?
Deutsches Verwaltungsblatt 128 (7), 409 - 417
697. **Gawel, E.** (2013):
Entgeltkontrolle in der Wasserwirtschaft zwischen Wettbewerbsrecht und
Kommunalabgabenrecht – eine komparative Leistungsfähigkeitsanalyse
Zeitschrift für Wasserrecht 52 (1), 13 - 35
698. **Gawel, E.** (2013):
Warum man Kostendeckung nicht erzwingen kann
Friedhofskultur 103 (3), 30 - 34
699. **Gawel, E.** (2013):
Wiederbeschaffungszeitwerte im Recht der Benutzungsgebühren: zur Novelle des
BayKAG
BayVBl 144 (17), 517 - 532
700. **Gawel, E.** (2013):
Konsumsregeln bei der Neuordnung der W-Besoldung: Formen und Auswirkungen
Die öffentliche Verwaltung 66 (8), 285 - 294
701. **Gawel, E.** (2013):
Zur Erstreckung der sächsischen Wasserentnahmabgabe auch auf die Wasserkraft
Sächsische Verwaltungsblätter 21 (7), 153 - 169
702. **Gawel, E.** (2013):
Braucht die Abwasserabgabe eine neue Zielstellung?
Wasser und Abfall 15 (10), 41 - 48
703. **Gawel, E., Bedtke, N.** (2013):
Effizienz und Wettbewerb in der deutschen Wasserwirtschaft - Ordnungskonzepte
zwischen "Modernisierung" und "Regulierung"
InfrastrukturRecht 10 (11), 298 - 301

704. **Gawel, E., Bedtke, N.** (2013):
Wasserpreise zwischen Kartellkontrolle und Nachhaltigkeit
Wirtschaftsdienst - Zeitschrift für Wirtschaftspolitik **93** (2), 94 - 102
705. **Gawel, E., Hansjürgens, B.** (2013):
Projekt "Energiewende": Schneckentempo und Zickzackkurs statt klarer Konzepte für die Systemtransformation?
Wirtschaftsdienst - Zeitschrift für Wirtschaftspolitik **93** (5), 283 - 288
706. **Gawel, E., Klassert, C.** (2013):
Probleme der besonderen Ausgleichsregelung im EEG
Zeitschrift für Umweltrecht (ZUR) **24** (9), 467 - 480
707. **Gawel, E., Klassert, C.** (2013):
Die Besondere Ausgleichsregelung im EEG - quo vaderis?
Energiewirtschaftliche Tagesfragen **63** (10), 29 - 34
708. **Gawel, E., Köck, W.** (2013):
Quote statt EEG-Förderung? Zum Vorschlag der Monopolkommission
Zeitschrift für Umweltrecht (ZUR) **24** (11), 577 - 579
709. **Gawel, E., Loßner, M., Herbes, C.** (2013):
EEWärmeG – Hindernisse und Potenziale für Biomethan im Wärmemarkt
Energiewirtschaftliche Tagesfragen **63** (11), 48 - 53
710. **Gawel, E., Purkus, A.** (2013):
Die Marktprämie im EEG 2012: ein sinnvoller Beitrag zur Markt- und Systemintegration erneuerbarer Energien?
Zeitschrift für Energiewirtschaft **37** (1), 43 - 61
711. **Gawel, E., Purkus, A., Korte, K., Lehmann, P.** (2013):
Förderung der Markt- und Systemintegration erneuerbarer Energien - Perspektiven einer instrumentellen Weiterentwicklung
Vierteljahrsshefte zur Wirtschaftsforschung **82** (3), 123 - 136
712. **Gawel, E., Strunz, S., Lehmann, P.** (2013):
Polit-ökonomische Grenzen des Emissionshandels und ihre Implikationen für die klima- und energiepolitische Instrumentenwahl
Zeitschrift für Umweltpolitik und Umweltrecht **36** (4), 406 - 435
713. **Gimkiewicz, C., Harnisch, F.** (2013):
Waste water derived electroactive microbial biofilms: growth, maintenance, and basic characterization
J. Vis. Exp. **82**, e50800

714. **Grimm, V., Martin, B.T.** (2013):
Mechanistic effect modeling for ecological risk assessment: Where to go from here?
Integrated Environmental Assessment and Management **9** (3), e58 - e63
715. Grummt, T., Kuckelkorn, J., **Bahlmann, A. A.**, Baumstark-Khan, C., **Brack, W.**, Braunbeck, T., Feles, S., Gartiser, S., Glatt, H., Heinze, R., Hellweg, C.E., Hollert, H., Junek, R., Knauer, M., Kneib-Kissinger, B., Kramer, M., **Krauss, M.**, **Küster, E.**, Maletz, S., Meinl, W., Noman, A., Prantl, E.-M., Rabbow, E., Redelstein, R., Rettberg, P., Schadenboeck, W., Schmidt, C., **Schulze, T.**, Seiler, T.-B., Spitta, L., Stengel, D., Waldmann, P., Eckhardt, A. (2013):
Tox-Box: securing drops of life - an enhanced health-related approach for risk assessment of drinking water in Germany. Tox-Box: die Tropfen des Lebens bewahren - gesundheitsbasierte Risikobewertung für Trinkwasser in Deutschland
Environmental Sciences Europe **25**, art. 27
716. **Hauck, J., Priess, J.A.** (2013):
„The most likely future isn't“: Landnutzungsszenarien für Mitteldeutschland
Raumforschung und Raumordnung **71** (5), 397 - 411
717. **Hauck, J., Wittmer, H., Görg, C., Jax, K.** (2013):
Von der Notwendigkeit, regionale Nutzer in die Erfassung von
Ökosystemdienstleistungen einzubinden. On the necessity to include regional
stakeholders in the assessment of ecosystem services
Nat. Landschaft **88** (9/10), 406 - 412
718. **Horovitz, M., Schulz, S., Köhne, J.M., Rausch, R., Siebert, C.**, Michelsen, N., Schüth, C. (2013):
Estimation of Sabkha evaporation as an important sink of groundwater on the Arabian
Peninsula
Geophysical Research Abstracts **15**, EGU2013-12647
719. **Jax, K.**, Reuter, H., Jopp, F. (2013):
AK Theorie Workshop "Validierung in den Wissenschaften"
Nachrichten der Gesellschaft für Ökologie **43** (1), 21 - 22
720. Jeltsch, F., Bonte, D., **Pe'er, G.**, Reineking, B., Leimgruber, P., Balkenhol, N., Schröder, B., **Buchmann, C.M.**, Mueller, T., Blaum, N., Zurell, D., Böhning-Gaese, K., **Wiegand, T.**, Eccard, J.A., Hofer, H., Reeg, J., Eggers, U., Bauer, S. (2013):
Integrating movement ecology with biodiversity research - exploring new avenues to
address spatiotemporal biodiversity dynamics
Movement Ecology **1**, art. 6

721. John, E., **Wiemers, M.**, Makris, C., Russell, P. (2013):
The *Pontia daplidice* (Linnaeus, 1758)/*Pontia edusa* (Fabricius, 1777) complex
(Lepidoptera: Pieridae): confirmation of the presence of *Pontia daplidice* in
Cyprus, and of *Cleome iberica* DC. as a new host-plant for this species in the Levant
Entomol. Gaz. **64** (5), 69 - 78
722. **Karthe, D.**, Malsy, M., Kopp, B., Minderlein, S., Hülsmann, L. (2013):
Assessing water availability and its drivers in the context of an integrated water resources
management (IWRM): a case study from the Kharaa River Basin, Mongolia
Geo-öko **34** (1-2), 5 - 26
723. **Kern, K.** (2013):
Aktuelle Änderungen des nationalen Wasser- und Abwasserrechts durch die
Implementation der Industrieemissionsrichtlinie 2010/75/EU
Zeitschrift für Umweltrecht (ZUR) **24** (3), 150 - 159
724. **Köck, W.** (2013):
Tagungsbericht: The search for environmental justice. 11. IUCN-Jahrestagung 2013,
Waikato-Universität, Hamilton / Neuseeland, 24.-28.06.2013
Zeitschrift für Umweltrecht (ZUR) **24** (10), 570 - 571
725. **Köck, W.** (2013):
Flussgebietsbewirtschaftungsplanung und Raumordnung. Zur Problematik räumlicher und
sachlicher Koordinierung
Die öffentliche Verwaltung **66** (21), 844 - 852
726. **Köck, W.** (2013):
The distance requirement under Art. 12 (1) of the Seveso II-Directive – the ECJ's Müksch
ruling
Review of European administrative law **6** , 149 - 157
727. **Köck, W.** (2013):
Festlegungen zur Anpassung an den Klimawandel durch die Raumplanung : rechtliche
Anforderungen an den Umgang mit Klimaprojektionen
Zeitschrift für Umweltrecht (ZUR) **24** (5), 269 - 274
728. **Köck, W.** (2013):
Der Eigenwert des Verwaltungsverfahrens in Umweltangelegenheiten
Zeitschrift für Umweltrecht (ZUR) **24** (9), 449 - 450
729. **Köck, W., Lehmann, K.** (2013):
Die Entwicklung des Luftqualitätsrechts
Zeitschrift für Umweltrecht (ZUR) **24** (2), 67 - 75

730. Körschens, M., Albert, E., Armbruster, M., Barkusky, D., Baumecker, M., Behle-Schalk, L., Bischoff, R., Čergan, Z., Ellmer, FF., Herbst, F., Hoffmann, S., Hofmann, B., Kismanyoky, T., Kubat, J., Kunzova, E., Lopez-Fando, C., **Merbach, I.**, Merbach, W., Pardor, M.T., Rogasik, J., Rühlmann, J., Spiegel, H., **Schulz, E.**, Tajnsek, A., Toth, Z., Wegener, H., Zorn, W. (2013):
Effect of mineral and organic fertilization on crop yield, nitrogen uptake, carbon and nitrogen balances, as well as soil organic carbon content and dynamics: results from 20 European long-term field experiments of the twenty-first century
Arch. Agron. Soil Sci. **59** (8), 1017 - 1040
731. **Korte, K., Gawel, E.** (2013):
Anreizregulierung und Energiewende - eine Mesalliance?
InfrastrukturRecht **10** (11), 250 - 253
732. **Kraushaar, S., Ollesch, G., Siebert, C., Vogel, H.-J.** (2013):
Olive mounds, Roman cisterns, erosion pins - potential to characterize erosion in a Mediterranean catchment in north Jordan
Geophysical Research Abstracts **15**, EGU2013-11187
733. **Kraushaar, S., Schumann, T., Wilkinson, S., Ollesch, G., Siebert, C., Vogel, H.-J.** (2013):
Measurements, fingerprint, modeling - Compiling a sediment budget in a data scarce catchment in NW Jordan
Geophysical Research Abstracts **15**, EGU2013-11998
734. **Lazik, D., Ebert, S.** (2013):
Membranbasierte Gassensoren – ein neues Instrument zur Gas- und Branddetektion
Technische Sicherheit **3** (3), 16 - 19
735. Lewandowski, J., Hoehn, E., Kasprzak, P., Kleeberg, A., Kurzreuther, H., Lücke, N., Mathes, J., **Rönicke, H.**, Sandrock, S., Wauer, G., Rothe, M., Hupfer, M. (2013):
Gewässerinterne Ökotechnologien zur Verminderung der Trophie von Seen und Talsperren. Eco-technologies inside water bodies to reduce the trophic level of lakes and reservoirs
KW Korrespondenz Wasserwirtschaft **6** (12), 718 - 728
736. **Magsig, B.-O.** (2013):
Water insecurity: a change agent for international water law reform
Global Dialogue **15** (2), 1 - 9

737. **Mallast, U., Siebert, C., Gloaguen, R., Friesen, J., Rödiger, T., Geyer, S., Merz, R.** (2013):
How to identify groundwater-caused thermal anomalies in lakes based on multi-temporal satellite data in semi-arid regions
Hydrology and Earth System Sciences Discussions (HESSD) **10** (4), 4901 - 4949
738. **Mallast, U., Siebert, C., Schwonke, F., Gloaguen, R., Rödiger, T., Geyer, S., Sauter, M., Merz, R.** (2013):
Airborne thermal data reveal groundwater discharge at the north-western coast of the Dead Sea
Geophysical Research Abstracts **15**, EGU2013-5586
739. **Marquard, E., Dauber, J., Doerpinghaus, A., Dröschmeister, R., Frommer, J., Frommolt, K.-H., Gemeinholzer, B., Henle, K., Hillebrand, H., Kleinschmit, B., Klotz, S., Kraft, D., Premke-Kraus, M., Römbke, J., Vohland, K., Wägele, W.** (2013):
Biodiversitätsmonitoring in Deutschland: Herausforderungen für Politik, Forschung und Umsetzung
Nat. Landschaft **88** (8), 337 - 341
740. **Mayer, T., Borsdorf, H.** (2013):
Mutual influences of halogenated compounds during atmospheric pressure chemical ionization
International Journal for Ion Mobility Spectrometry **16** (3), 229 - 235
741. Mehl, D., **Scholz, M., Schulz-Zunkel, C., Kasperidus, H.D., Born, W., Ehlert, T.** (2013):
Analyse und Bewertung von Ökosystemfunktionen und -leistungen großer Flussauen
KW Korrespondenz Wasserwirtschaft **6** (9), 493 - 499
742. **Möckel, S.** (2013):
Small water bodies and the incomplete implementation of the Water Framework Directive in Germany
JEEPL **10** (2), 262 - 275
743. **Möckel, S.** (2013):
Berücksichtigung von Umwelt- und Naturschutzaufgaben bei der Verteilung von Staatsfinanzen zwischen Bund und Ländern - Erfordernisse und Möglichkeiten im Rahmen des Finanzausgleichs, der Bundesauftrags- und bundeseigenen Verwaltung sowie der Gemeinschaftsaufgaben
EurUP **11** (2), 85 - 94
744. **Möckel, S.** (2013):
Erfordernis einer umfassenden außenverbindlichen Bodennutzungsplanung auch für nichtbauliche Bodennutzungen
Die öffentliche Verwaltung **66** (11), 424 - 436

745. **Möckel, S., Bathe, F.** (2013):
Kleingewässer und Wasserrahmenrichtlinie - ist die deutsche Handhabung korrekt?
Deutsches Verwaltungsblatt **128** (4), 220 - 225
746. **Möckel, S., Köck, W.** (2013):
European and German nature conservation instruments and their adaptation to climate
change – a legal analysis
JEEPL **10** (1), 54 - 71
747. **Moeller, L., Krieg, F., Zehnsdorf, A.** (2013):
Wirkung von Getreideschrot auf die Schaumbildung in Biogasanlagen
Landtechnik **68** (5), 344 - 348
748. Mohr, A., **Bausch, L.** (2013):
Social sustainability in certification schemes for biofuel production: an explorative
analysis against the background of land use constraints in Brazil
Energy, Sustainability and Society **3**, art. 6
749. **Paasche, H., Rumpf, M., Hausmann, J., Fechner, T., Werban, U., Tronicke, J., Dietrich, P.** (2013):
Advances in acquisition and processing of near-surface seismic tomographic data for
geotechnical site assessment
First Break **31** (8), 59 - 65
750. Rehman, R., **Shafique, U.**, Anwar, J., Ghafoor, S. (2013):
Kinetic and isothermal biosorption studies of Co(II), Cu(II) and Ni(II) using *Polyalthia*
longifolia leaf powder
Asian Journal of Chemistry **25** (15), 8285 - 8288
751. Romanos, M., Tiesler, C.M.T., Koletzko, S., Berdel, D., von Berg, A., Hoffmann, B., Schaaf, B., Herbarth, O., **Lehmann, I.**, Bauer, C.-P., Stach, B., Gerlach, M., Schulte-Körne, G., Heinrich, J. (2013):
No cross-sectional and longitudinal association of ferritin and symptoms of
attention-deficit-/hyperactivity disorder in a large population-based sample of children:
results from the GINIplus and LISApplus studies
ADHD Attention Deficit and Hyperactivity Disorders **5** (3), 313 - 320
752. Rosenbaum, M.A., Schröder, U., **Harnisch, F.** (2013):
Von der Abwasserreinigung zur Bioelektrotechnologie: Mikroben unter Strom
Biologie in unserer Zeit **43** (2), 96 - 103

753. Schädler, S., Maier, M., Morio, M., **Bartke, S., Bleicher, A.**, Bielke, A., Grabs, S., Freygang, M., Finkel, M. (2013):
Planung und vergleichende Bewertung von Nutzungsoptionen auf Brachflächen mit der Megasite Management Toolsuite (MMT)
altlasten spektrum **23** (4), 145 - 153
754. Schindler, S., Kropik, M., Euller, K., Bunting, S.W., **Schulz-Zunkel, C.**, Hermann, A., Hainz-Renetzeder, C., Kanka, R., Mauerhofer, V., Gasso, V., Krug, A., Lauwaars, S.G., Zulka, K.P., **Henle, K.**, Hoffmann, M., Biró, M., Essl, F., Jaquier, S., Balázs, L., Borics, G., Hudin, S., Damm, C., Pusch, M., van der Sluis, T., Sebesvari, Z., Wrbka, T. (2013):
Floodplain management in temperate regions: is multifunctionality enhancing biodiversity?
Environmental Evidence **2** , art. 10
755. Schrader, F., Durner, W., Fank, J., Gebler, S., Pütz, T., **Hannes, M., Wollschläger, U.** (2013):
Estimating precipitation and actual evapotranspiration from precision lysimeter measurements
Procedia Environ. Sci. **19** , 543 - 552
756. Schramm, E., Kluge, T., **Beck, S., Hansjürgens, B.**, Hiessl, H., Sartorius, C. (2013):
Integrierte Systemlösungen als Strategie für eine nachhaltige und exportstarke Wasserwirtschaft
Wasser und Abfall **15** (1/2), 39 - 44
757. **Schulz, S.**, Rausch, R., Siebert, C., Michelsen, N., **Kolditz, O.**, Al-Saud, M., Schüth, C. (2013):
3D groundwater modeling of the Upper Mega Aquifer System (Arabian Peninsula) using OpenGeoSys
Geophysical Research Abstracts **15** , EGU2013-12435
758. Scott, M., White, I., **Kuhlicke, C.**, Steinführer, A., Sultana, P., Thompson, P., Minnery, J., O'Neill, E., Cooper, J., Adamson, M., Russell, E. (2013):
Living with flood risk/The more we know, the more we know we don't know: Reflections on a decade of planning, flood risk management and false precision/Searching for resilience or building social capacities for flood risks?/Participatory floodplain management: Lessons from Bangladesh/Planning and retrofitting for floods: Insights from Australia/Neighbourhood design considerations in flood risk management/Flood risk management – Challenges to the effective implementation of a paradigm shift
Planning Theory & Practice **14** (1), 103 - 140
759. **Settele, J.** (2013):
Kulturlandschaftsforschung in Südostasien - das Legato-Projekt
Nachrichten der Gesellschaft für Ökologie **43** (1), 11 - 13

760. **Settele, J., Kühn, I., Klotz, S.**, Arida, G., Bergmeier, E., Burkhard, B., Bustamante, J., Dao, T.T., Escalada, M., Görg, C., Grescho, V., Ho, V.C., Heong, K.L., Hirneisen, N., Hotes, S., Jahn, R., **Klotzbücher, T.**, Marion, G., Marquez, L., **Marxen, A.**, Moritz, R., Müller, F., Nguyen, V.S., Ott, J., Penev, L., Rodriguez-Labajos, B., **Schädler, M.**, Scheu, S., **Seppelt, R.**, Stoev, P., Tscharntke, T., Tekken, V., Thonicke, K., **Vetterlein, D.**, Vidal, S., Villareal, S., Weisser, W.W., Westphal, C., **Wiemers, M.**, **Spangenberg, J.H.** (2013): Kulturlandschaftsforschung in Südostasien - das LEGATO-Projekt
Berichte. Geographie und Landeskunde **87** (3), 315 - 323
761. **Siebert, C., Rödiger, T., Geyer, S.**, Subah, A., Guttman, Y. (2013): Using multi-component hydrochemical pattern for water balance calculations of intricate water resources in semi-arid regions – a case study in Wadi Al Arab, Jordan
Geophysical Research Abstracts **15**, EGU2013-12126
762. Slavik, I., Uhl, W., Skibinski, B., Rolinski, S., Petzoldt, T., Benndorf, J., Scheifhaken, N., Paul, L., Funke, M., Lohr, H., **Völker, J., Borchardt, D.** (2013): A decision support procedure for integrative management of dammed raw water reservoirs
Water Science and Technology : Water Supply **13** (2), 349 - 357
763. **Thrän, D.** (2013): Hand in Hand für eine biobasierte Wirtschaft
Venture-Capital (Mai), 18 - 19
764. **Thrän, D.** (2013): Weniger landwirtschaftliche Fläche
Biospektrum **19** (5), 571 - 571
765. **Thrän, D.**, Krautz, A., Dotzauer, M. (2013): Bedarfsgerechte Bereitstellung von Bioenergie - Herausforderungen und Chancen
Lifis Online , 1 - 10
766. **Tomm, J.M., Otto, W., Servos, U., Bertram, B., von Bergen, M., Baumann, S.** (2013): Starvation of Jurkat T cells causes metabolic switch from glycolysis to lipolysis as revealed by comprehensive GC-qMS
Journal of Integrated OMICS **3** (1), 70 - 74
767. Tong, Y., Xiang, W., Wang, Z., **Durka, W.**, Fischer, M. (2013): Effects of topography, neighboring plants and size-dependence of *Machillus thunbergii* on sapling growth and survivorship
Biodiversity Science **21** (3), 269 - 277

768. Trochet, A., **Schmeller, D.S.** (2013):
Effectiveness of the Natura 2000 network to cover threatened species
Nature Conservation (4), 35 - 53
769. **Ulbrich, K.**, Kornig, S., Lodemann, T., **Eschenhagen, W.**, **Bindel, L.**, **Settele, J.** (2013):
Klima und biologische Vielfalt - erforscht mit der Lernsoftware PRONAS
MNU, Math. Naturwiss. Unterr. **66** (3), 165 - 172
770. **Weise, S.** (2013):
Woher kommt das Wasser der Flüsse im Pamir? Geowissenschaftler erforschen die Wege
des Wassers aus den Gletschern in die Flüsse
Senckenberg : Natur, Forschung, Museum ; das Senckenberg-Wissenschaftsmagazin **142**
(1/2), 20 - 23
771. **Wilske, C.**, **Siebert, C.**, **Geyer, S.**, **Rödiger, T.**, Merkel, B. (2013):
Investigating Western Dead Sea spring systems and their origin by application of
hydrogeochemical patterns
Geophysical Research Abstracts **15** , EGU2013-12633

Buch

772. Cremer, N., Drechsler, H., Eulenstein, F., Knoblauch, S., **Meißner, R.**, Reinstorf, F., Scheffer, B., Schindler, S., Schöler, B. (2013): Möglichkeiten der Effizienzkontrolle von Maßnahmen zur grundwasserschonenden Bodennutzung am Beispiel des Stickstoffs
DWA-Regelwerk Merkblatt DWA-M 911
Deutsche Vereinigung für Wasserwirtschaft, Abwasser und Abfall (DWA), Hennef, 36 S.
773. **Dong, Y.** (2013):
Contingent valuation of Yangtze finless porpoises in Poyang Lake, China
232 pp.
774. Höttlinger, H., Pendl, M., **Wiemers, M.**, Pospisil, A. (2013):
Tagfalter
In: Zettel, H., Gaal-Haszler, S., Rabitsch, W., Christian, E. (Hrsg.)
Insekten in Wien
Österreichische Gesellschaft für Entomofaunistik, Wien, 349 S.
775. **Neßhöver, C.** (2013):
Biodiversität : unsere wertvollste Ressource
Herder Spektrum 6598
Herder, Freiburg, Br., 207 S.
776. Töpfer, C., **Gawel, E.** (2013):
The photovoltaic support scheme in Germany : an environmental criteria assessment of the EEG feed-in tariffs
In: Bruckner, T., **Gawel, E.**, Holländer, R., **Thrän, D.** (eds.)
Studien zu Infrastruktur und Ressourcenmanagement = Studies in infrastructure and resources management 4
Logos-Verlag, Berlin, 199 pp.
777. **Wiemers, M., Musche, M., Striese, M., Kühn, I., Winter, M., Denner, M.** (2013):
Naturschutzfachliches Monitoring Klimawandel und Biodiversität. Teil 2:
Weiterentwicklung des Monitoringkonzeptes und Auswertung ausgewählter vorhandener Daten
Schriftenreihe des LfULG 25
Sächsisches Landesamt für Umwelt, Landwirtschaft und Geologie (LfULG), Dresden,
165 S.
778. **Winter, M., Musche, M., Striese, M., Kühn, I.** (2013):
Naturschutzfachliches Monitoring Klimawandel und Biodiversität. Teil 1: Auswirkungen des Klimawandels auf die Biodiversität, Ziele und Grundlagen des Monitorings
Schriftenreihe des LfULG 24
Sächsisches Landesamt für Umwelt, Landwirtschaft und Geologie (LfULG), Dresden,
159 S.

Buchherausgabe

779. **Borchardt, D., Ibisch, R.** (eds., 2013):
Integrated water resources management in a changing world : lessons learnt and innovative perspectives
IWA Publishing, London, 225 pp.
780. Faßbender, K., **Köck, W.** (Hrsg., 2013):
Aktuelle Entwicklungen im Immissionsschutzrecht : Dokumentation des 17. Leipziger Umweltrechtlichen Symposions des Instituts für Umwelt- und Planungsrecht der Universität Leipzig und des Helmholtz-Zentrums für Umweltforschung - UFZ am 19. und 20. April 2012
Leipziger Schriften zum Umwelt- und Planungsrecht 22
Nomos, Baden-Baden, 127 S.
781. **Klauer, B., Manstetten, R., Petersen, T., Schiller, J., Fischer, B., Jöst, F., Lee, M.-Y., Ott, K.** (Hrsg., 2013):
Die Kunst langfristig zu denken : Wege zur Nachhaltigkeit
Nomos, Baden-Baden, 337 S.
782. **Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K.** (eds., 2013):
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, 347 pp.
783. Knierim, A., **Baasch, S.**, Gottschick, M. (Hrsg., 2013):
Partizipation und Klimawandel : Ansprüche, Konzepte und Umsetzung
Klimzug 1
oekom, München, 291 S.
784. Loftness, V., **Haase, D.** (eds., 2013):
Sustainable built environments
Springer, New York, 746 pp.
785. Stanescu, S.M., Cace, S., **Alexandrescu, F.** (eds., 2013):
Demand and supply of social economy : two developmant regions of Romania
Stiinte psiho-sociale 8
Pro Universitaria, Bucuresti, 397 pp.

786. Vohland, K., Badeck, F., Böhning-Gaese, K., Ellwanger, G., **Hanspach, J.**, Ibisch, P.L., **Klotz, S.**, Kreft, S., **Kühn, I.**, Schröder, E., Trautmann, S., Cramer, W. (Hrsg., 2013):
Schutzgebiete Deutschlands im Klimawandel - Risiken und Handlungsoptionen : Ergebnisse eines F+E-Vorhabens (FKZ 806 82 270)
Naturschutz und biologische Vielfalt 129
Bundesamt für Naturschutz (BfN), Bonn, 233 S.

Buchkapitel

787. Achimescu, V., Cace, S., Stanescu, S.M., **Alexandrescu, F.**, Arpinte, D. (2013): Methodological framework
In: Stanescu, S.M., Cace, S., Alexandrescu, F. (eds.)
Demand and supply of social economy : two developmant regions of Romania
Stiinte psiho-sociale 8
Pro Universitaria, Bucuresti, p. 27 - 33
788. **Bartke, S.**, Rizzo, E., Giubilato, E., Pizzol, L., Critto, A., Marcomini, A. (2013): Usprawnienie procesów rewitalizacji terenów zdegradowanych w Europie za pomocą odpowiednio dostosowanej platformy informacyjnej, komunikacji, priorytetyzacji oraz oceny
In: Skowronka, J. (ed.)
Innowacyjne rozwiązania rewitalizacji terenów zdegradowanych
Instytut Ekologii Terenów Uprzemysłowionych, Katowice, p. 135 - 143
789. Bendix, J., **Dislich, C.**, **Huth, A.**, Huwe, B., Ließ, M., Schröder, B., Thies, B., Vorpahl, P., Wagemann, J., Wilcke, W. (2013): Natural landslides which impact current regulating services: environmental preconditions and modeling
In: Bendix, J., Beck, J., Bräuning, A., Makeschin, F., Mosandl, R., Scheu, S., Wilcke, W. (eds.)
Ecosystem services, biodiversity and environmental change in a tropical mountain ecosystem of South Ecuador
Ecological Studies 221
Springer, Berlin, Heidelberg, New York, p. 153 - 170
790. **Bleicher, A.**, **Bartke, S.** (2013): Wsparcie procesu decyzyjnego przy ponownym użytkowaniu terenu z zachowaniem zasad zrównoważonego rozwoju. Międzynarodowe podejście i narzędzia
In: Skowronka, J. (ed.)
Innowacyjne rozwiązania rewitalizacji terenów zdegradowanych
Instytut Ekologii Terenów Uprzemysłowionych, Katowice, p. 183 - 189
791. **Borchardt, D.**, Bjørnson, P.K., Bogardi, J.J., Clausen, J., **Dombrowsky, I.**, Garduño, H., Jardin, N., Jenkins, A., von Keitz, S., Kfir, R., Krebs, P., Kroiss, H., Leibundgut, C., Mauser, W., Moss, T., Panse, D., Reichert, P., Rekolainen, S., Rudolph, K.-U., Rudolph, D.L., Stålnacke, P., Taal, B.-M.M., Yang, M. (2013): Message from the Dresden International Conference on Integrated Water Resources Management. 12th – 13th October 2011, Dresden, Germany
In: Borchardt, D., Ibisch, R. (eds.)
Integrated water resources management in a changing world : lessons learnt and innovative perspectives
IWA Publishing, London, p. XIII - XIV

792. **Borchardt, D., Ibisch, R.** (2013):
Preface
In: Borchardt, D., Ibisch, R. (eds.)
Integrated water resources management in a changing world : lessons learnt and innovative perspectives
IWA Publishing, London, p. XI - XII
793. **Bovet, J.**, Siedentop, S., Bizer, K., Henger, R. (2013):
Handelbare Flächenzertifikate – ein praxistaugliches Instrument?
In: Meinel, G., Schuhmacher, U., Behnisch, M. (Hrsg.)
Flächennutzungsmonitoring V : Methodik, Analyseergebnisse, Flächenmanagement
IÖR-Schriften 61
Leibniz-Institut für ökologische Raumentwicklung e.V., Dresden, S. 11 - 20
794. **Brack, W.** (2013):
Effect-directed analysis in ecotoxicology
In: Férand, J.-F., Blaise, C. (eds.)
Encyclopedia of Aquatic Ecotoxicology
Springer, Dordrecht, p. 387 - 394
795. **Brauns, M.**, von Schiller, D., Gergs, R. (2013):
Stabile Isotopentechniken und ihre Bedeutung für die gewässerökologische Forschung
In: Hupfer, M., Calmano, W., Fischer, H., Klapper, H. (Hrsg.)
Handbuch Angewandte Limnologie
30. Erg. Lfg. 12/12
Wiley-VCH, Weinheim, S. III-3.3
796. Bucher, A., **Görke, U.-J.**, Kreißig, R. (2013):
Towards the direct and inverse adaptive mixed finite element formulations for nearly incompressible elasticity at large strains
In: Apel, T., Steinbach, O. (eds.)
Advanced finite element methods and applications
Lecture Notes in Applied and Computational Mechanics 66
Springer, Berlin, Heidelberg, p. 299 - 323
797. **Buscot, F.**, Stackebrandt, E. (2013):
Mikroorganismen: die unbekannte Mehrheit
In: Beck, E. (Hrsg.)
Die Vielfalt des Lebens : wie hoch, wie komplex, warum?
Wiley-VCH, Weinheim, S. 39 - 47

798. Comina, C., **Dietrich, P.**, Firmbach, L., Giordano, N., **Kolditz, O.**, Mandrone, G., Vienken, T., Watanabe, N. (2013):
Heat flow's propagation within a porous medium: analogical and numerical modeling
Proceedings of the European Geothermal Energy Congress 2013, 3-7 June, Pisa, Italy
799. **Delfs, J.-O.**, Singh, A.K., Kalbacher, T., Wang, W., **Kolditz, O.** (2013):
Simultaneous flow of water and air across the land surface during runoff
In: Idelsohn, S., Papadrakakis, M., Schrefler, B. (eds.)
Proceedings of the 5th International Conference on Computational Methods for Coupled Problems in Science and Engineering - COUPLED PROBLEMS 2013
CIMNE, Barcelona, p. 949 - 956
800. **Durka, W.**, Michalski, S.G. (2013):
Genetische Vielfalt und Klimawandel
In: Essl, F., Rabitsch, W. (Hrsg.)
Biodiversität und Klimawandel : Auswirkungen und Handlungsoptionen für den Naturschutz in Mitteleuropa
Springer, Berlin, S. 132 - 136
801. Flörke, M., **Bärlund, I.**, Schneider, C., Kynast, E. (2013):
Pan-European freshwater resources in a changing environment: how will the Blac See region develop?
In: Borchardt, D., Ibisich, R. (eds.)
Integrated water resources management in a changing world : lessons learnt and innovative perspectives
IWA Publishing, London, p. 3 - 12
802. Förster, A., Albrecht, D., Bauer, S., Baumann, G., Beyer, C., **Böttcher, N.**, Braun, R., Behrends, K., Conze, R., De Lucia, M., Ganzer, L., Gaupp, R., **Görke, U.-J.**, Gou, Y., Henninges, J., Hou, Z., Kohlhepp, B., **Kolditz, O.**, Kühn, M., Lempp, C., Liedl, R., Meyer, R., Norden, B., Nowak, T., Pilz, P., Pudlo, D., Rateizak, M., Reitenbach, V., Shams, K.M., **Shao, H.**, Singh, A.K., Stadler, S., Stecken, L., **Taron, J.**, Wang, W., Watanabe, N., Wienand, J., Yoon, J., Zimmer, M. (2013):
Evaluation of geo-processes
In: Kühn, M., Münch, U. (eds.)
CLEAN: CO₂ Large-Scale Enhanced Gas Recovery in the Altmark Natural Gas Field. GEOTECHNOLOGIEN Science Report No. 19
Advanced Technologies in Earth Sciences
Springer, Berlin, Heidelberg, p. 53 - 98

803. **Frank, K., Alberti, P., Henle, K., Klenke, R.** (2013):
Module 8: Management and viability of target species: modeling and monitoring
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 293 - 303
804. **Gawel, E.** (2013):
Klimapolitik durch Climate-Engineering?
In: Mohr, R., Utikal, H. (Hrsg.)
Zukunft Chemie : Perspektiven auf die Welt von morgen
FAZ-Institut, Frankfurt am Main, S. 63 - 68
805. **Gawel, E.** (2013):
Environmental policies through climate engineering
In: Mohr, R., Utikal, H. (eds.)
Future chemistry: glimpses into the world of tomorrow
FAZ-Institut, Frankfurt am Main, p. 66 - 71
806. **Gawel, E.** (2013):
Nutzerfinanzierung öffentlicher Aufgaben – Renaissance des Entgeltstaates?
In: Reichard, C., Schröter, E. (Hrsg.)
Zur Organisation öffentlicher Aufgaben : Effizienz, Effektivität und Legitimität ; [Festschrift für Manfred Röber ...]
Budrich, Leverkusen, S. 236 - 261
807. **Gawel, E.** (2013):
Energiepolitische Lenkung durch ökonomische Instrumente im Wasserrecht -
Abwasserabgabe, Wasserentnahmementgelte, neue Nutzungsabgaben -
In: Reinhardt, M. (Hrsg.)
Tagungsband Wasserwirtschaftstag 2013 : in Zusammenarbeit mit der Zeitschrift für Wasserrecht
Heymanns, Köln, S. 49 - 81
808. **Görg, C., Bedall, P.** (2013):
Antagonistische Positionen. Die Climate-Justice-Koalition vor dem Hintergrund der Theorie gesellschaftlicher Naturverhältnisse
In: Dietz, M., Garrelts, H. (Hrsg.)
Die internationale Klimabewegung : ein Handbuch
Bürgergesellschaft und Demokratie 39
Springer, S. 75 - 105

809. **Görg, C.** (2013):
Klima - Macht - (Un)Gerechtigkeit. Die Forderung nach Klimagerechtigkeit in der internationalen Politik
In: Geiger, G., van Saan-Klein, B. (Hrsg.)
Menschenrechte weltweit - Schöpfung bewahren!
Budrich, Opladen / Berlin / Toronto, S. 77 - 90
810. **Görg, C.** (2013):
Natur und Gesellschaft
In: Scherr, A. (Hrsg.)
Soziologische Basics : eine Einführung für pädagogische und soziale Berufe. 2., erw. und aktualisierte Aufl.
Springer / VS, Wiesbaden, S. 183 - 189
811. **Görke, U.-J., Nagel, T., Kolditz, O.** (2013):
On the necessity and a generalized conceptual model for the consideration of large strains in rock mechanics
In: Idelsohn, S., Papadrakakis, M., Schrefler, B. (eds.)
Proceedings of the 5th International Conference on Computational Methods for Coupled Problems in Science and Engineering - COUPLED PROBLEMS 2013
CIMNE, Barcelona, p. 80 - 91
812. Graef, F., Heyer, A., Ehlert, S., Stachow, U., Bethwell, C., **Effertz, S.**, **Henle, K.**, Winkel, B. (2013):
Large scale and small scale approaches for assessing potential exposure of habitats and species neighbouring GM plant cultivation
In: Breckling, B., Verhoeven, R. (eds.)
GM-crop cultivation – Ecological effects on a landscape scale - Proceedings of the third GMLS conference 2012 in Bremen
Theorie in der Ökologie 17
Lang, Frankfurt/M., p. 61 - 66
813. **Grimm, V.**, Polhill, G.P., **Touza, J.** (2013):
Documenting social simulation models: the ODD protocol as a standard
In: Edmonds, B., Meyer, R. (eds.)
Simulating social complexity: a handbook
Understanding Complex Systems
Springer, Berlin, p. 117 - 133

814. **Haase, D.** (2013):
Shrinking cities, biodiversity and ecosystem services
In: Elmquist, T., Fragkias, M., Goodness, J., Güneralp, B., Marcotullio, P., McDonald, I.R., Parnell, S., Schewenius, M., Sendstad, M., Seto, K.C., Wilkinson, C. (eds.)
Urbanization, biodiversity and ecosystem services: challenges and opportunities : a global assessment ; a part of the cities and biodiversity outlook project
Springer, Dordrecht, p. 253 - 274
815. **Haase, D.** (2013):
Urbane Ökosystemdiensleistungen - das Beispiel Leipzig
In: Grunewald, K., Bastian, O. (Hrsg.)
Ökosystemdienstleistungen : Konzept, Methoden und Fallbeispiele
Springer Spektrum, Berlin, Heidelberg, S. 232 - 240
816. **Haase, D.** (2013):
Sustainable landscape design, urban forestry and green roof science and technology, introduction
In: Loftness, V., Haase, D. (eds.)
Sustainable Built Environments
Springer, New York, p. 666 - 670
817. **Haase, D.** (2013):
Landscape planning /Design of shrinking landscapes
In: Loftness, V., Haase, D. (eds.)
Sustainable Built Environments
Springer, New York, p. 373 - 393
818. **Hanspach, J., Kühn, I., Klotz, S.** (2013):
Risikoabschätzung für Pflanzenarten, Lebensraumtypen und ein funktionelles Merkmal
In: Vohland, K., Badeck, F., Böhning-Gaese, K., Ellwanger, G., Hanspach, J., Ibisch, P.L., Klotz, S., Kreft, S., Kühn, I., Schröder, E., Trautmann, S., Cramer, W. (Hrsg.)
Schutzgebiete Deutschlands im Klimawandel - Risiken und Handlungsoptionen. Ergebnisse eines F+E-Vorhabens (FKZ 806 82 270)
Naturschutz und biologische Vielfalt 129
Bundesamt für Naturschutz (BfN), Bonn, S. 71 - 85
819. **Henle, K., Kranz, A., Klenke, R., Ring, I.** (2013):
Policy brief. Meeting the challenges of human-wildlife conflict reconciliation
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 1 - 3

820. **Henle, K., Ring, I., Klenke, R., Jepsen, N., Kranz, A., Neßhöver, C., Rauschmayer, F.** (2013):
A generic framework for the development of conflict reconciliation action plans
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 215 - 219
821. **Henle, K., Ring, I., Klenke, R., Kranz, A., Jepsen, N., Rauschmayer, F.** (2013):
Introduction
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 5 - 11
822. Illgen, C., Nitsche, C., Hübers, N., Klotzsch, S., Albert, T., **Vienken, T., Dietrich, P., Vogel, T.** (2013):
Tracerversuche im Rahmen des Forschungsvorhabens MNA/ENA in Wülknitz
In: Kardel, K., Ihling, H., Illgen, C., Gruhne, S., Bräunig, A., Tannert, R., Hoffmann, R., Kästner, A., Wilscher, S., Enzner, V., Kühn, D., Knippert, D., Schuster, P., Fichtner, T., Schlönvoigt, H., Paffrath, I., Nitsche, C., Hübers, N., Klotzsch, S., Albert, T., Vienken, T., Dietrich, P., Umoh, D., Knöller, K., Jeschke, C., Vogel, T. (Hrsg.)
Grundwasser – Altlasten – Boden aktuell
Schriftenreihe des LfULG 30
Sächsisches Landesamt für Umwelt, Landwirtschaft und Geologie (LfULG), Dresden, S. 23 - 30
823. **Jean-Baptiste, N., Kabisch, S., Kuhlicke, C.** (2013):
Urban vulnerability assessment in flood-prone areas in West and East Africa
In: Rauch, S., Morrison, G., Norra, S., Schleicher, N. (eds.)
Urban environment : proceedings of the 11th Urban Environment Symposium (UES), held in Karlsruhe, Germany, 16-19, September 2012
Springer, Dordrecht, p. 203 - 215
824. **Kern, K., Gawel, E.** (2013):
Wassernutzungsabgaben auf Wasserkraft - rechtliche und ökonomische Anforderungen
In: Heimerl, S. (Hrsg.)
Wasserkraftprojekte : Ausgewählte Beiträge aus der Fachzeitschrift WasserWirtschaft
Springer Fachmedien, Wiesbaden, S. 444 - 449

825. **Kirschke, S., Ibisch, R., Stärz, C., Borchardt, D.** (2013):
Report from the Dresden International Conference on Integrated Water Resources Management. 12th – 13th October 2011, Dresden, Germany
In: Borchardt, D., Ibisch, R. (eds.)
Integrated water resources management in a changing world : lessons learnt and innovative perspectives
IWA Publishing, London, p. XV - XXIV
826. **Klenke, R., Ring, I., Schwerdtner Máñez, K., Habighorst, R., Weiss, V., Wittmer, H., Gruber, B., Lampa, S., Henle, K.** (2013):
Otters in Saxony: a story of successful conflict resolution
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 107 - 140
827. **Klotz, S.** (2013):
Biologische Invasionen - Gefahr im Verzug?
In: Beck, E. (Hrsg.)
Die Vielfalt des Lebens : wie hoch, wie komplex, warum?
Wiley-VCH, Weinheim, S. 191 - 202
828. **Köck, W.** (2013):
§ 71 Katastrophenschutzrecht
In: Ehlers, D., Fehling, M., Pünder, H., Axer, P. (Hrsg.)
Besonderes Verwaltungsrecht ; Bd. 3. Kommunalrecht, Haushalts- und Abgabenrecht, Ordnungsrecht, Sozialrecht, Bildungsrecht, Recht des öffentlichen Dienstes
Müller, Heidelberg, S. 590 - 606
829. **Kolditz, O., Görke, U.-J., Shao, H.B., Wang, W., Shao, H., Hudson, J.A., Feng, X.-T.** (2013):
Thermo-hydro-mechanical-chemical processes in fractured rock
In: Feng, X.-T., Hudson, J.A., Tan, F. (eds.)
Rock characterisation, modelling and engineering design methods : proceedings of the 3rd ISRM Sinorock Symposium, Tongji University, Shanghai, PR China, 18-20 June 2013
CRC Press, Hoboken, p. 49 - 60
830. Kranz, A., **Rauschmayer, F., Ring, I.** (2013):
Module 1: Screening of the conflict
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 221 - 230

831. Kröger, C., Xu, A., Duan, S., Zhang, B., Eckstädt, H., **Meissner, R.** (2013):
The situation of sanitary systems in rural areas in the Miyun catchment, China
In: Borchardt, D., Ibisch, R. (eds.)
Integrated water resources management in a changing world : lessons learnt and innovative perspectives
IWA Publishing, London, p. 109 - 116
832. Kroll, A., **Kühnel, D.**, Schirmer, K. (2013):
Testing nanomaterial toxicity in unicellular eukaryotic algae and fish cell lines
In: Armstrong, D., Bharali, D.J. (eds.)
Oxidative stress and nanotechnology: methods and protocols
Methods in Molecular Biology 1028
Humana Press, Totowa, NJ, p. 165 - 195
833. **Kühn, I., Pompe, S.**, Trautmann, S., Böhning-Gaese, K., Essl, F., Rabitsch, W. (2013):
Klimawandeleffekte morgen: was könnte noch kommen?
In: Essl, F., Rabitsch, W. (Hrsg.)
Biodiversität und Klimawandel : Auswirkungen und Handlungsoptionen für den Naturschutz in Mitteleuropa
Springer, Berlin, S. 86 - 101
834. Kunkel, R., Sorg, J., **Kolditz, O., Rink, K.**, Klump, J., Gasche, R., Neidl, F. (2013):
TEODOOR – a spatial data infrastructure for terrestrial observation data
10th IEEE International Conference on Networking, Sensing and Control (ICNSC 2013) : Evry, France, 10 - 12 April 2013
IEEE, Piscataway, NJ, p. 242 - 245
835. **Lehmann, K., Köck, W.** (2013):
Die Entwicklung des Luftqualitätsrechts
In: Faßbender, K., **Köck, W.** (Hrsg.)
Aktuelle Entwicklungen im Immissionsschutzrecht : Dokumentation des 17. Leipziger Umweltrechtlichen Symposions des Instituts für Umwelt- und Planungsrecht der Universität Leipzig und des Helmholtz-Zentrums für Umweltforschung - UFZ am 19. und 20. April 2012
Leipziger Schriften zum Umwelt- und Planungsrecht 22
Nomos, Baden-Baden, S. 47 - 64
836. Mathey, J., **Rink, D.** (2013):
Urban redevelopment and quality of open spaces
In: Loftness, V., Haase, D. (eds.)
Sustainable Built Environments
Springer, New York, p. 719 - 732

837. **Meyer, M.A., Priess, J.A.** (2013):
Local/regional environmental impacts of (solid) biofuels - evaluation of certification scheme indicators
Proceedings of the 21st European Biomass Conference : setting the course for a biobased economy : held in Copenhagen, Denmark, 3 - 7 June 2013
ETA-Florence Renewable Energies, Florence, p. 1708 - 1716
838. Mirtl, M., Orenstein, D.E., Wildenberg, M., Peterseil, J., **Frenzel, M.** (2013):
Development of LTSER platforms in LTER-Europe: challenges and experiences in implementing place-based long-term socio-ecological research in selected regions
In: Singh, S.J., Haberl, H., Chertow, M., Mirtl, M., Schmid, M. (eds.)
Long term socio-ecological research. Studies in society-nature interactions across spatial and temporal scales
Human-Environment Interactions 2
Springer, Dordrecht, p. 409 - 442
839. **Myšiak, J., Schwerdtner Máñez, K., Ring, I.** (2013):
Comparative analysis of the conflicts between carp pond farming and the protection of otters (*Lutra lutra*) in Upper Lusatia and South Bohemia
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 141 - 162
840. **Nagel, T., Kolditz, O.**, Kelly, D.J. (2013):
Enhanced poromechanical properties of tissue engineered cartilage via swelling induced collagen remodelling
Proceedings of the 5th Biot Conference on Poromechanics, Vienna, Austria, July 10-12, 2013
American Society of Civil Engineers (ASCE), p. 2158 - 2165
841. **Nagel, T., Shao, H., Singh, A.K., Watanabe, N.**, Linder, M., Wörner, A., **Kolditz, O.** (2013):
Thermochemical heat storage for sustainable power generation - model development based on the theory of porous media and numerical implementation
In: Idelsohn, S., Papadrakakis, M., Schrefler, B. (eds.)
Proceedings of the 5th International Conference on Computational Methods for Coupled Problems in Science and Engineering - COUPLED PROBLEMS 2013
CIMNE, Barcelona, p. 873 - 882

842. Nelles, M., **Thrän, D.**, Glowacki, R. (2013):
Multitalent Biomasse
In: Mohr, R., Utikal, H. (Hrsg.)
Zukunft Chemie : Perspektiven auf die Welt von morgen
FAZ-Institut, Frankfurt am Main, S. 124 - 127
843. Omann, I., **Rauschmayer, F.** (2013):
THANCS - ein Prozess, um Spannungen am Weg zur nachhaltigen Entwicklung zu reduzieren
In: Sedmak, C., Kapferer, E., Oberholzer, K. (Hrsg.)
Marktwirtschaft für die Zukunft
LIT-Verlag, Berlin, S. 225 - 258
844. Osterloh, K., **Tauchnitz, N.**, Bernsdorf, S., **Meissner, R.** (2013):
Erste Ergebnisse der Moorrenaturierung im "Blumentopfmoor" (Holtemmequellgebiet)
Zur Situation der Gewässer im Nationalpark Harz : Tagung 2012 in Drübeck
Schriftenreihe aus dem Nationalpark Harz 10
Nationalparkverwaltung Harz, Wernigerode , S. 49 - 54
845. **Paul, G.H., Meißner, R., Ollesch, G.** (2013):
Einfluss prognostizierter Klimaveränderungen auf die Grundwasserneubildung in einem wasserwirtschaftlich sensiblen Teileinzugsgebiet der Elbe
In: Weingartner, R., Schädler, B. (Hrsg.)
Wasserressourcen im globalen Wandel. Hydrologische Grundlagen - von der Messung zur Anwendung. Beiträge zum Tag der Hydrologie, 4. bis 6. April 2013 an der Universität Bern
Forum für Hydrologie und Wasserbewirtschaftung 32
Deutsche Vereinigung für Wasserwirtschaft, Abwasser und Abfall (DWA), Hennef, S. 133 - 143
846. Rabitsch, W., Essl, F., **Kühn, I.**, Nehring, S., Zanger, A., Bühler, C. (2013):
Arealänderungen
In: Essl, F., Rabitsch, W. (Hrsg.)
Biodiversität und Klimawandel : Auswirkungen und Handlungsoptionen für den Naturschutz in Mitteleuropa
Springer, Berlin, S. 59 - 66
847. Rabitsch, W., Essl, F., Nehring, S., **Kühn, I.** (2013):
Neobiota und Klimawandel
In: Essl, F., Rabitsch, W. (Hrsg.)
Biodiversität und Klimawandel : Auswirkungen und Handlungsoptionen für den Naturschutz in Mitteleuropa
Springer, Berlin, S. 91 - 91

848. **Rauschmayer, F.** (2013):
Module 10: Designing participatory decision strategies
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 315 - 322
849. **Rauschmayer, F., Weiss, V.** (2013):
Screening the cormorant conflict on the European level
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 183 - 199
850. **Reinemann, C., Strehlitz, B.** (2013):
Aptamer-nanomaterial conjugates for medical applications
In: Tiwari, A., Tiwari, A. (eds.)
Bioengineered Nanomaterials
CRC Press, Hoboken, p. 29 - 59
851. **Ring, I., Mewes, M.** (2013):
Ausgewählte Finanzmechanismen: Zahlungen für Ökosystemdienstleistungen und ökologischer Finanzausgleich
In: Grunewald, K., Bastian, O. (Hrsg.)
Ökosystemdienstleistungen : Konzept, Methoden und Fallbeispiele
Springer Spektrum, Berlin, Heidelberg, S. 156 - 166
852. **Ring, I., Schröter-Schlaack, C.** (2013):
Zur Auswahl des geeigneten Politikmixes
In: Grunewald, K., Bastian, O. (Hrsg.)
Ökosystemdienstleistungen : Konzept, Methoden und Fallbeispiele
Springer Spektrum, Berlin, Heidelberg, S. 167 - 177
853. **Ring, I., Schwerdtner Máñez, K., Santos, R.** (2013):
Module 9: Development of policy instruments
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 305 - 314

854. Romero-Lankao, P., Brutto, N., Chang, M., Hardoy, J., D'Almeida Martins, R., **Krellenberg, K.** (2013):
Desarrollar capacidad de respuesta urbana a la variabilidad y el cambio climático
In: Sánchez Rodríguez, R. (ed.)
Respuestas urbanas al cambio climático en América Latina
Naciones Unidas, Comisión Económica para América Latina y el Caribe (CEPAL), Santiago de Chile, p. 119 - 133
855. Santos, R., Antunes, P., **Ring, I.** (2013):
Module 5: Regional economics and policy analysis
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 261 - 269
856. Santos-Reis, M., **Klenke, R., Henle, K.** (2013):
Module 2: Wildlife abundance and habitat
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 231 - 240
857. Schiffer, E., **Hauck, J.**, Abukari, M. (2013):
Net-map : a tool to understand how actors shape the governance of small reservoirs in Northern Ghana
In: Schönhuth, M., Gamper, M., Kronenwett, M., Stark, M. (Hrsg.)
Visuelle Netzwerkforschung : qualitative, quantitative und partizipative Zugänge
Transcript, Bielefeld, S. 277 - 294
858. Schröder, U., **Harnisch, F.** (2013):
From microbial bioelectrocatalysis to microbial bioelectrochemical systems
In: Alkire, R.C., Kolb, D.M., Lipkowski, J., Kibler, L. (eds.)
Electrocatalysis : Theoretical Foundations and Model Experiments
Advances in Electrochemical Sciences and Engineering 14
Wiley-VCH, p. 137 - 162

859. Silva, B., **Dislich, C.**, Voss, I., Roos, K., Scheibe, R., Vorpahl, P., Schröder, B., **Huth, A.**, Beck, E., Bendix, J. (2013):
Climate change and its impact on current and future vegetation dynamics and carbon cycling
In: Bendix, J., Beck, J., Bräuning, A., Makeschin, F., Mosandl, R., Scheu, S., Wilcke, W. (eds.)
Ecosystem services, biodiversity and environmental change in a tropical mountain ecosystem of South Ecuador
Ecological Studies 221
Springer, Berlin, Heidelberg, New York, p. 331 - 341
860. Similä, J., Varjopuro, R., **Habighorst, R.**, **Ring, I.** (2013):
Module 4: Legal and institutional framework
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model case
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 251 - 260
861. Slavik, I., Uhl, W., Skibinski, B., Rolinski, S., Petzoldt, T., Benndorf, J., Scheifhacken, N., Paul, L., Funke, M., Lohr, H., **Völker, J.**, **Borchardt, D.** (2013):
A decision support procedure for integrative management of dammed raw water reservoirs
In: Ibisch, R., Borchardt, D. (eds.)
Integrated water resources management in a changing world : lessons learnt and innovative perspectives
IWA Publishing, London, p. 161 - 169
862. **Thrän, D.**, **Eichhorn, M.**, Krautz, A., **Das, S.**, **Szarka, N.** (2013):
Flexible power generation from biomass - an opportunity for a renewable sources-based energy system?
In: Stolten, D., Scherer, V. (eds.)
Transition to renewable energy systems
Wiley-VCH, Weinheim, p. 499 - 521
863. **Thrän, D.** (2013):
Bioenergie - eine wandelbare Kostante
In: Franken, M. (Hrsg.)
Bericht aus der Zukunft : wie der grüne Wandel funktioniert
oekom, München, S. 87 - 90

864. **Thrän, D.**, Müller-Langer, F. (2013):
Potenziale in Deutschland und Europa
In: Graf, F., Bajohr, S. (Hrsg.)
Biogas : Erzeugung, Aufbereitung, Einspeisung
DIV, Dt. Industrieverl., München, S. 17 - 40
865. **Thrän, D.**, Naumann, K., Gröngröft, A. (2013):
Die Zukunft biogener Kraftstoffe
Alternative Antriebskonzepte bei sich wandelnden Mobilitätsstilen : Tagungsbeiträge vom 08. und 09. März 2012 am KIT, Karlsruhe
KIT Scientific Publishing, Karlsruhe, S. 35 - 50
866. **Thrän, D., Wirkner, R.** (2013):
Wie effizient ist die energetische Nutzung von Biomasse?
Neue Energien - neue Herausforderungen : Naturschutz in Zeiten der Energiewende; DNT, 31. Deutscher Naturschutztag 2012
Jahrbuch für Naturschutz und Landschaftspflege 59
Bundesverband Beruflicher Naturschutz e. V. , Bonn, S. 42 - 47
867. **Ulbrich, K., Settele, J., Klotz, S.** (2013):
How to implement biodiversity research in the classroom?
Proceedings of the Ireland International Conference on Education (IICE-2013), October 21-23, 2013, Dublin, Ireland
Infonomics Society, Dublin, p. 19 - 22
868. Vohland, K., Böhning-Gaese, K., Ellwanger, G., **Hanspach, J.**, Ibisch, P., **Klotz, S.**, Kreft, S., **Kühn, I.**, Schröder, E. (2013):
Schutzgebiete als Inseln im Klimastress? - Einleitung und Projektbeschreibung
In: Vohland, K., Badeck, F., Böhning-Gaese, K., Ellwanger, G., Hanspach, J., Ibisch, P.L., Klotz, S., Kreft, S., Kühn, I., Schröder, E., Trautmann, S., Cramer, W. (Hrsg.)
Schutzgebiete Deutschlands im Klimawandel - Risiken und Handlungsoptionen. Ergebnisse eines F+E-Vorhabens (FKZ 806 82 270)
Naturschutz und biologische Vielfalt 129
Bundesamt für Naturschutz (BfN), Bonn, S. 13 - 30
869. Vohland, K., Essl, F., Ellwanger, G., **Hanspach, J.**, **Kühn, I.**, Ssymank, A., Schröder, E. (2013):
Können Schutzgebiete ihre Schutzgüter verlieren?
In: Rabitsch, W., Essl, F. (Hrsg.)
Biodiversität und Klimawandel : Auswirkungen und Handlungsoptionen für den Naturschutz in Mitteleuropa
Springer, Berlin, S. 293 - 302

870. Vohland, K., Kreft, S., Ibisch, P.L., **Kühn, I.**, Badeck, F., Böhning-Gaese, K., **Hanspach, J.**, **Klotz, S.**, Trautmann, S., Cramer, W., Ellwanger, G. (2013): Fazit und Ausblick
In: Vohland, K., Badeck, F., Böhning-Gaese, K., Ellwanger, G., Hanspach, J., Ibisch, P.L., Klotz, S., Kreft, S., Kühn, I., Schröder, E., Trautmann, S., Cramer, W. (Hrsg.) *Schutzgebiete Deutschlands im Klimawandel - Risiken und Handlungsoptionen. Ergebnisse eines F+E-Vorhabens (FKZ 806 82 270)*
Naturschutz und biologische Vielfalt 129
Bundesamt für Naturschutz (BfN), Bonn, S. 219 - 230
871. Vohland, K., **Paulsch, A.**, **Marquard, E.**, **Henle, K.**, Häuser, C., **Neßhöver, C.** (2013): Biodiversitätsforschung und politisches Handeln
In: Beck, E. (Hrsg.) *Die Vielfalt des Lebens : wie hoch, wie komplex, warum?*
Wiley-VCH, Weinheim, S. 225 - 234
872. **Volk, M.** (2013): Landscape planning for sustainable water usage
In: Loftness, V., Haase, D. (eds.) *Sustainable Built Environments*
Springer, New York, p. 355 - 372
873. **Völker, J.**, **Richter, S.**, **Borchardt, D.**, Mohaupt, V. (2013): Risk and monitoring based indicators of receiving water status: alternative or complementary elements in IWRM?
In: Ibisch, R., Borchardt, D. (eds.) *Integrated water resources management in a changing world : lessons learnt and innovative perspectives*
IWA Publishing, London, p. 133 - 139
874. **Wang, W.**, **Görke, U.-J.**, **Schnicke, T.**, **Kolditz, O.** (2013): High performance computing in simulation of coupled thermal, hydraulic and mechanical processes in transverse isotropic rock
In: Feng, X.-T., Hudson, J.A., Tan, F. (eds.) *Rock characterisation, modelling and engineering design methods : proceedings of the 3rd ISRM Sinorock Symposium, Tongji University, Shanghai, PR China, 18-20 June 2013*
CRC Press, Hoboken, p. 485 - 490

875. **Wang, W., Taron, J, Görke, U.-J., Kolditz, O.** (2013):
Automatic time stepping with Newton-Raphson method for two-phase fluid flow in
porous media
In: Simos, T., Psihogios, G., Tsitouras, C. (eds.)
*Proceedings of the 11th International Conference of Numerical Analysis and Applied
Mathematics (ICNAAM-2013), Rhodes, GR*
AIP Conference Proceedings 1558
AIP Press, Woodbury, NY, p. 1986 - 1988
876. Westerberg, H., **Henle, K.** (2013):
Module 3: Diet and damage assessment
In: Klenke, R., Ring, I., Kranz, A., Jepsen, N., Rauschmayer, F., Henle, K. (eds.)
*Human - wildlife conflicts in Europe : fisheries and fish-eating vertebrates as a model
case*
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 241 - 249

Bericht

877. Baur, P., **Nitsch, H.**, Albisser Vögeli, G., Oeschger, C., Rieder, S., Osterburg, B. (2013): Umwelt- und Tierschutz in der Landwirtschaft: ein Vergleich der Schweiz mit ausgewählten europäischen Ländern unter besonderer Berücksichtigung des Vollzugs. Schlussbericht
Bundesamt für Landwirtschaft (BLW), Bern, 91 S.
878. **Bischoff, P., Rink, D.** (2013): Nachhaltige Entwicklung im ländlichen Raum unter den Bedingungen von Schrumpfung
UFZ-Bericht 2/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 69 S.
879. **Gawel, E.** (2013): Stellungnahme zum Gesetz zur Änderung des WasEG des Landes NRW, Gesetzentwurf der Landesregierung
Drucksache 16/1286
Landtag Nordrhein-Westfalen, 8 S.
880. **Gawel, E.** (2013): Wie geht es weiter mit dem Erneuerbaren-Energien-Gesetz? UFZ-Internet-Standpunkt
881. **Gawel, E.** (2013): Finanzverfassungsrecht als Prüfmaßstab für die EEG-Umlage? Zur vermeintlichen Verfassungswidrigkeit der „neuen Wälzung“ im EEG 2012
UFZ-Diskussionspapiere 1/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 23 S.
882. **Gawel, E.** (2013): Nachhaltiger Umgang mit knappen Wasserressourcen ist ein Gebot der Vernunft (Internetpublikation: Erstveröffentlichung 18.3.2013)
883. **Gawel, E.** (2013): Neuordnung der W-Besoldung: Ausgestaltung und verfassungsrechtliche Probleme der Konsumtionsregeln zur Anrechnung von Leistungsbezügen
Working Paper 115
University of Leipzig, Faculty of Economics and Management Science, Leipzig, 23 S.
884. **Gawel, E., Klassert, C.** (2013): Wie weiter mit der Besonderen Ausgleichsregelung im EEG?
UFZ-Diskussionspapiere 9/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 14 S.

885. **Gawel, E., Purkus, A.** (2013):
Promoting the market and system integration of renewable energies through premium schemes – a case study of the German market premium
UFZ-Diskussionspapiere 4/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 31 S.
886. **Gawel, E., Strunz, S.** (2013):
Nuclear futures: Renewables blossom in Germany's post-nuclear vision (Internet publication in The Conversation: 22 May 2013)
887. **Gawel, E., Strunz, S., Lehmann, P.** (2013):
A public choice view on the climate and energy policy mix in the EU - how do the emissions trading scheme and support for renewable energies interact?
UFZ-Diskussionspapiere 5/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 13 S.
888. **Gawel, E., Strunz, S., Lehmann, P.** (2013):
Polit-ökonomische Grenzen des Emissionshandels und ihre Implikationen für die klima- und energiepolitische Instrumentenwahl
UFZ-Diskussionspapiere 2/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 24 S.
889. **Gawel, E., Unnerstall, H.** (2013):
Angemessene Berücksichtigung von Umwelt und Ressourcenkosten nach Art. 9 WRRL in der Praxis - Replik auf den Arbeitsbericht der DWA-Arbeitsgruppe "Ökonomische Aspekte der WRRL" in Korrespondenz Abwasser 4/2011
UFZ-Diskussionspapiere 8/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 24 S.
890. Geyler, S., **Bedtke, N., Gawel, E.** (2013):
Nachhaltige Regenwasserbewirtschaftung – aktuelle Steuerungstendenzen im Siedlungsbestand
UFZ-Diskussionspapiere 3/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 56 S.
891. Griewald, Y., **Rauschmayer, F.** (2013):
Exploring a nature-related conflict from a capability perspective
UFZ-Diskussionspapiere 7/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 27 pp.
892. **Heuson, C.** (2013):
On the comparative advantage of tradable emission permits in a setting of uncertain abatement costs and market power – A case against the invariably pessimistic view
UFZ-Diskussionspapiere 6/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 25 pp.

893. **Kolditz, O.** (2013):
Hydroinformatik II "Prozess-Simulation und Systemanalyse". Version 4.01 - 1. Oktober
2013
Lecture notes 1
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 125 S.
894. Maes, J., Teller, A., Erhard, M., Liquete, C., Braat, L., Berry, P., Ego, B.,
Puydarrieux, P., Fiorina, C., Santo, F., Paracchini, M.L., Keune, H., **Wittmer, H.,**
Hauck, J., Fiala, I., Verburg, P.H., Condé, S., Schägner, J.P., San Miguel, J.,
Estreguil, C., Ostermann, O., Barredo, J.I., Pereira, H.M., Stott, A., Laporte,
V., Meiner, A., Olah, B., Royo Gelabert, E., Spyropoulou, R., Petersen, J.E.,
Maguire, C., Zal, N., Achilleos, E., Rubin, A., Ledoux, L., Brown, C., Raes,
C., Jacobs, S., **Vandewalle, M.**, Connor, D., Bidoglio, G. (2013):
Mapping and assessment of ecosystems and their services. An analytical framework for
ecosystem assessments under action 5 of the EU biodiversity strategy to 2020
European Union, Luxembourg, 57 pp.
895. Mock, M., Omann, I., **Rauschmayer, F.**, Fuchs, D. (2013):
Do community currencies enhance sustainable quality of life?
UFZ-Diskussionspapiere 16/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 22 pp.
896. **Moeller, L., Görsch, K., Köster, Y., Müller, R.A., Zehnsdorf, A.** (2013):
Schaumbildung und Schaumvermeidung in Biogasanlagen
UFZ-Bericht 1/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 129 S.
897. **Rauschmayer, F.**, Bauler, T., Schäpke, N. (2013):
Towards a governance of sustainability transitions: Giving place to individual
UFZ-Diskussionspapiere 17/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 32 pp.
898. **Richter, S., Völker, J., Borchardt, D.**, Mohaupt, V., Jekel, H., Rohrmoser, W. (2013):
Die Wasserrahmenrichtlinie : eine Zwischenbilanz zur Umsetzung der
Maßnahmenprogramme 2012
Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit (BMU), Berlin, 36 S.
899. **Schröter-Schlaack, C., Ring, I., Möckel, S., Schulz-Zunkel, C., Lienhoop, N.,**
Klenke, R., Lenk, T. (2013):
Assessment of existing and proposed policy instruments for biodiversity conservation in
Germany: the role of ecological fiscal transfers
POLICYMIX Report 1
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 95 pp.

900. Stecher, K., Brosowski, A., **Thrän, D.** (2013):
Biomass potential in Africa
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, 43 pp.
901. **Strunz, S.** (2013):
The German energy transition as a regime shift
UFZ-Diskussionspapiere 10/2013
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, 18 pp.
902. **Ulbrich, K., Kühn, E., Wiedling, S., Harpke, A., Wiemers, M., Metzler, B., Settele, J.** (2013):
Wiesenknöpfe und Ameisenbläulinge - "Citizen science" als Wissenschaft zum
Mitmachen
Helmholtz-Zentrum für Umweltforschung - UFZ, Halle, 52 S.

Berichtartikel

903. **Aicher, C., Berghöfer, U.** (2013):
TEEB-Ansatz in Großstadtwäldern in Nordrhein-Westfalen
In: Ring, I., Schniewind, I. (Hrsg.)
Der Nutzen von Ökonomie und Ökosystemleistungen für die Naturschutzpraxis. Workshop III: Wälder. Dritte Veranstaltung der Workshop-Reihe des Bundesamtes für Naturschutz und des Helmholtz-Zentrums für Umweltforschung – UFZ 24. - 27. September 2012, Internationale Naturschutzakademie Insel Vilm
BfN-Schriften 334
Bundesamt für Naturschutz (BfN), Bonn, S. 58 - 64
904. **Baborowski, M.** (2013):
Schwermetallkonzentrationen der Elbe in Magdeburg bei Extremereignissen
Wissen was war ... - Rückblick auf hydrologische Extremereignisse : Kolloquium am 16./17. Oktober 2012 in Koblenz
Veranstaltungen / BfG 1/2013
Bundesanstalt für Gewässerkunde, Koblenz, S. 77 - 86
905. **Beck, S.** (2013):
Is the IPCC a learning organisation?
World Social Science Report 2013: Changing Global Environments
OECD Organisation for Economic Co-operation and Development, Paris, p. 420 - 424
906. Glombitza, F., Berger, W., Kothe, E., Ondruschka, J., Pinka, J., Schippers, A., Willscher, S., **Zehnsdorf, A.**, Brandl, H. (2013):
Rückstände aus Industrie und Umwelt – Aufbereitung mittels Geobiotechnologie?
In: Rüggerdt, K. (Hrsg.)
Geobiotechnologie : Stand und Perspektiven. Ein Statuspapier des Temporären Arbeitskreises Geobiotechnologie in der DECHEMA e.V.
DECHEMA, Frankfurt/Main, S. 23 - 28
907. Goetze, M., Kattanek, W., Peukert, R., Chervakova, E., Toepfer, H., **Dietrich, P., Bumberger, J.** (2013):
A flexible services and communications gateway for smart home and monitoring applications
Proceedings of the 21st IEEE International Conference on Software Telecommunications and Computer Networks - SoftCOM 2013, 18. - 20. September 2013, Split, Croatia
p. 1 - 5

908. **Kögler, S., Schmidt, F., Martini, E., Bumberger, J., Zacharias, S., Wollschläger, U.** (2013):
Comparsion of two calibration approaches for low-cost soil moisture sensors
In: Schuhmann, R. (ed.)
Berichtsband zur 7. CMM-Tagung Innovative Feuchtemessung in Forschung und Praxis - Materialeigenschaften und Prozesse, Weimar, 24. September 2013
Innovative Feuchtemessung in Forschung und Praxis 7
Kompetenzzentrum für Materialfeuchte (CMM), Karlsruhe, p. 51 - 68
909. **Kögler, S., Wagner, N., Zacharias, S., Wollschläger, U.** (2013):
Characterization of reference materials for an economic calibration approach for low-cost soil moisture sensors
Proceedings of the 10th International Conference on Electromagnetic Wave Interaction with Water and Moist Substances ISEMA 2013, Weimar / Germany, September 25-27,2013
MFPA, Institute of Material Research and Testing at the Bauhaus-University, Weimar, p. 442 - 448
910. Krüger, M., **Richnow, H.H., Wagner, M., Vogt, C.**, Schippers, A. (2013):
Geomikrobiologie im Untergrund – Chancen für Geobiotechnologie
In: Rübberdt, K. (Hrsg.)
Geobiotechnologie : Stand und Perspektiven. Ein Statuspapier des Temporären Arbeitskreises Geobiotechnologie in der DECHEMA e.V.
DECHEMA, Frankfurt/Main, S. 29 - 33
911. **Lienhoop, N.** (2013):
Ökosystemleistungen bewerten: das Choice Experiment
In: Ring, I., Schniewind, I. (Hrsg.)
Der Nutzen von Ökonomie und Ökosystemleistungen für die Naturschutzpraxis. Workshop III: Wälder. Dritte Veranstaltung der Workshop-Reihe des Bundesamtes für Naturschutz und des Helmholtz-Zentrums für Umweltforschung – UFZ 24. - 27. September 2012, Internationale Naturschutzakademie Insel Vilm
BfN-Schriften 334
Bundesamt für Naturschutz (BfN), Bonn, S. 40 - 43
912. **Mannschatz, T., Dietrich, P.** (2013):
Uncertainties o f LAI estimation from satellite images due to atmospheric correction
In: Borg, E., Daedelow, H., Johnson, R. (eds.)
From the basics to the service : proceedings of the 5th RESA-Workshop ; Neustrelitz, 20. - 21. March 2013, DLR
GITO-Verl., Berlin, p. 273 - 289

913. **Moeller, L., Görsch, K.** (2013):
Bestimmung der Oberflächenspannung
In: Liebetrau, J., Pfeiffer, D., Thrän, D. (Hrsg.)
Messmethodensammlung Biogas. Methoden zur Bestimmung von analytischen und prozessbeschreibenden Parametern im Biogasbereich. 2. Aufl.
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 7
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, S. 96 - 97
914. **Moeller, L., Görsch, K.** (2013):
Bestimmung des Proteingehaltes
In: Liebetrau, J., Pfeiffer, D., Thrän, D. (Hrsg.)
Messmethodensammlung Biogas. Methoden zur Bestimmung von analytischen und prozessbeschreibenden Parametern im Biogasbereich. 2. Aufl.
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 7
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, S. 56 - 58
915. **Moeller, L., Görsch, K.** (2013):
Bestimmung des Schaumpotenzials mit dem "Bubble-Test"
In: Liebetrau, J., Pfeiffer, D., Thrän, D. (Hrsg.)
Messmethodensammlung Biogas. Methoden zur Bestimmung von analytischen und prozessbeschreibenden Parametern im Biogasbereich. 2. Aufl.
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 7
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, S. 97 - 99
916. **Moeller, L., Görsch, K.**, Ramhold, D. (2013):
Bestimmung der organischen Säuren
In: Liebetrau, J., Pfeiffer, D., Thrän, D. (Hrsg.)
Messmethodensammlung Biogas. Methoden zur Bestimmung von analytischen und prozessbeschreibenden Parametern im Biogasbereich. 2. Aufl.
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 7
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, S. 36 - 39
917. **Moeller, L., Görsch, K., Zehnsdorf, A.** (2013):
Leipziger Schaumtester -Testset zur Bestimmung der Schaumneigung von Substrat im aktiven Gärmaterial
In: Liebetrau, J., Pfeiffer, D., Thrän, D. (Hrsg.)
Messmethodensammlung Biogas. Methoden zur Bestimmung von analytischen und prozessbeschreibenden Parametern im Biogasbereich. 2. Aufl.
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 7
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, S. 99 - 101

918. **Paul, G.H., Meissner, R., Ollesch, G.** (2013):
Soil hydrological measuring strategy to estimate water balances in the Flaeming region, Germany
In: Sisák, I. (ed.)
Mitigation Options for Nutrient Reduction in Surface and Ground Waters : Final Conference of COST Action 869. Proceedings of International Conference on Realistic Expectations for Improving European Waters, 12-14 October 2011, Keszthely HUNGARY
ATON - Agrokémia és Talajtan ON-line [ATON - Agrochemistry and Soil Science ON-line], Budapest, p. 91 - 102
919. **Remmler, P., Klein, R., Dietrich, P., Schaffitel, A., Bumberger, J.** (2013):
Advantages of using Time Domain Reflectometry (TDR) for the depth-measurement of suspension-levels during the installation of borehole heat exchangers
In: Schuhmann, R. (ed.)
Berichtsband zur 7. CMM-Tagung Innovative Feuchtemessung in Forschung und Praxis - Materialeigenschaften und Prozesse, Weimar, 24. September 2013
Innovative Feuchtemessung in Forschung und Praxis 7
Kompetenzzentrum für Materialfeuchte (CMM), Karlsruhe, p. 125 - 126
920. **Ring, I.** (2013):
Das Konzept der Ökosystemleistungen und seine Anwendung auf Wälder – ökonomische Bewertung und umweltpolitische Instrumente
In: Ring, I., Schniewind, I. (eds.)
Der Nutzen von Ökonomie und Ökosystemleistungen für die Naturschutzpraxis. Workshop III: Wälder. Dritte Veranstaltung der Workshop-Reihe des Bundesamtes für Naturschutz und des Helmholtz-Zentrums für Umweltforschung – UFZ 24. - 27. September 2012, Internationale Naturschutzakademie Insel Vilm
BfN-Skripten 334
Bundesamt für Naturschutz (BfN), Bonn, p. 8 - 23
921. **Schmidt, F., Bumberger, J.** (2013):
Measuring and modeling wave propagation on TEM waveguides for soil moisture determination
Proceedings of the 10th International Conference on Electromagnetic Wave Interaction with Water and Moist Substances ISEMA 2013, Weimar / Germany, September 25-27, 2013
MFPA, Institute of Material Research and Testing at the Bauhaus-University, Weimar, p. 287 - 289

922. Strauß, C., Schrödter, M., Seeger, J., **Meißner, R.** (2013):
Langjährige Lysimeteruntersuchungen zum N-Austrag mit dem Sickerwasser unter einem
lehmigen Sand
*Kooperation Lysimeter – Wirkung landwirtschaftlicher Nutzung auf die N-Auswaschung
anhand langjähriger Lysimetermessungen in Mittel- und Nordostdeutschland und
Schlussfolgerungen für die Minimierung der N-Befrachtung der Gewässer*
Schriftenreihe / Thüringer Landesanstalt für Landwirtschaft 6
Thüringer Landesanstalt für Landwirtschaft, Jena, S. 176 - 191

Berichtherausgabe

923. **Dulio, V., von der Ohe, P.C.** (eds., 2013):
NORMAN prioritisation framework for emerging substances. NORMAN Association
Network of reference laboratories and related organisations for monitoring and
bio-monitoring of emerging environmental substances. Working Group on Prioritisation
of Emerging Substances
NORMAN Association, Verneuil en Halatte, 70 pp.
924. **Ibisch, R., Kirschke, S., Stärz, C., Borchardt, D.** (eds., 2013):
Integrated water resources management (IWRM): from research to implementation. 4th
rev. ed.
Helmholtz Centre for Environmental Research - UFZ, Leipzig, Magdeburg, 83 pp.
925. **Ibisch, R., Kirschke, S., Stärz, C., Borchardt, D.** (Hrsg., 2013):
Integriertes Wasserressourcen-Management (IWRM): von der Forschung zur Umsetzung.
4. überarb. Aufl.
Helmholtz-Zentrum für Umweltforschung - UFZ, Leipzig, Magdeburg, 43 S.
926. **Krellenberg, K., Jordán, R., Rehner, J., Schwarz, A., Infante, B., Barth, K., Pérez, A.**
(eds., 2013):
Adaptación al cambio climático en megaciudades de América Latina. Red Regional de
Aprendizaje del Proyecto ClimaAdaptaciónSantiago (CAS)
Naciones Unidas, Comisión Económica para América Latina y el Caribe (CEPAL),
Santiago de Chile, 97 pp.
927. Liebetrau, J., Pfeiffer, D., **Thrän, D.** (Hrsg., 2013):
Messmethodensammlung Biogas. Methoden zur Bestimmung von analytischen und
prozessbeschreibenden Parametern im Biogasbereich. 2. Aufl.
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 7
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, 206 S.
928. **Ring, I., Schniewind, I.** (Hrsg., 2013):
Der Nutzen von Ökonomie und Ökosystemleistungen für die Naturschutzpraxis.
Workshop III: Wälder. Dritte Veranstaltung der Workshop-Reihe des Bundesamtes für
Naturschutz und des Helmholtz-Zentrums für Umweltforschung – UFZ 24. - 27.
September 2012, Internationale Naturschutzakademie Insel Vilm
BfN-Skripten 334
Bundesamt für Naturschutz (BfN), Bonn, 95 S.
929. **Thrän, D.**, Pfeiffer, D. (Hrsg., 2013):
Alternative Verfahren zur Herstellung von Biokraftstoffen aus Reststoffen :
abgeschlossene Vorhaben im BMU-Förderprogramm
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 13
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, 57 S.

930. **Thrän, D.**, Pfeiffer, D. (Hrsg., 2013):
Effizient, umweltverträglich, dezentral : neue Konzepte für die Nutzung von biogenen Festbrennstoffen. Teil 1
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 12
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, 138 S.
931. **Thrän, D.**, Pfeiffer, D. (Hrsg., 2013):
Energetische Biomassenutzung : neue Technologien und Konzepte für die Bioenergie der Zukunft
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 9
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, 361 S.
932. **Thrän, D.**, Pfeiffer, D., Sauter, P. (Hrsg., 2013):
Grünlandenergie : Praxishinweise für die Entwicklung von Gras und Schilf basierten Nutzungskonzepten zur Energiegewinnung
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 10
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, 42 S.

Tagungsbeitrag

933. **Bartke, S.** (2013):
Urban regeneration and brownfield remediation: addressing challenges for tailored, integrated and sustainable urban land revitalization
5th International Contaminated Site Remediation Conference: Program and Proceedings, CleanUp 2013 Conference, Melbourne, Australia, 15 –18 September 2013
CRC CARE, Salisbury South, South Australia, p. 112 - 113
934. **Daus, B., Trabitzsch, R., Weiss, H.** (2013):
Fate and behavior of phenylarsenicals under reducing groundwater conditions
Proceedings AquaConSoil 2013. 12th International UFZ-Deltas Conference on Groundwater-Soil-Systems and Water Resource Management, Barcelona, Spain, 16-19 April 2013
ThS C1.6
935. **Demuth, D., Bumberger, J., Sauer, D., Paasche, H.** (2013):
Modellierung und systematischer Vergleich zweier Direct Push DC- Sonden unter besonderer Berücksichtigung von Signalstabilität und Sondenverschleiß
73. Jahrestagung der Deutschen Geophysikalischen Gesellschaft, 4. - 7. März 2013 in Leipzig
Universität Leipzig, Leipzig, S. 142
936. **Firnbach, L., Giordano, N., Comina, C., Mandrone, G., Kolditz, O., Vienken, T., Dietrich, P.** (2013):
Experimental heat flow propagation within porous media using electrical resistivity tomography (ERT)
Proceedings of the European Geothermal Energy Congress 2013, 3-7 June, Pisa, Italy
937. **Helbig, C., Rink, K., Bauer, H.-S., Wulfmeyer, V., Frank, M., Kolditz, O.** (2013):
3D visualization of atmospheric data for analytical approaches
Proceedings of Workshop on Visualisation of Environmental Sciences (EnvirVis), June 17-18, 2013, Leipzig Germany
The Eurographics Association, Geneva, p. 19 - 23
938. Ionescu, D., Haeusler, S., **Siebert, C.**, Noriega, B., Adeboyejo, F., Dittmar, T., de Beer, D. (2013):
Oases of life in the Dead Sea
SAME13 Aquatic Microbial Ecology. Stresa, Italy
939. **Kraushaar, S., Wilkinson, S., Ollesch, G., Siebert, C., Vogel, H.-J.** (2013):
Understanding erosion better in a data scarce catchment in NW Jordan - A multiple response approach
Proceedings 8th IAG International Conference on Geomorphology, Paris 2013
p. 482 - 482

940. Lück, E., **Dierke, C.**, Werban, U., Wunderlich, T., Al Hagrey, S.A., Petersen, H., Loonstra, E., Rühlmann, J. (2013):
Comparison of mobile multi-sensor platforms at the test-site Rosslau in Germany
In: Gebbers, R., Lück, E., Rühlmann, J. (eds.)
Proceedings of 3rd Global Workshop on Proximal Soil Sensing, 26.-29. May 2013, Potsdam, Germany
Bornimer Agrartechnische Berichte 82
Leibniz-Institut für Agrartechnik, Potsdam-Bornim, p. 278 - 282
941. **Mannschatz, T.**, Feger, K.-H., **Dietrich, P.** (2013):
Comparison of soil property ability of two VIS-NIR spectrometers
In: Gebbers, R., Lück, E., Rühlmann, J. (eds.)
Proceedings of 3rd Global Workshop on Proximal Soil Sensing, 26.-29. May 2013, Potsdam, Germany
Bornimer Agrartechnische Berichte 82
Leibniz-Institut für Agrartechnik, Potsdam-Bornim, p. 129 - 134
942. **Meißner, R.**, **Hagenau, J.**, **Rupp, H.**, Gebel, M., Halbfass, S., Duan, S. (2013):
Nutzung von Lysimetern zur nachhaltigen Bewirtschaftung des chinesischen Miyun-Trinkwassereinzugsgebietes
In: Marold, B. (Hrsg.)
Lysimeterforschung als Bestandteil der Entscheidungsfindung. 15. Gumpenstein Lysimetertagung vom 16. - 17. April 2013 am LFZ Raumberg-Gumpenstein, Österreich. Proceedings
Lehr- und Forschungszentrum für Landwirtschaft Raumberg-Gumpenstein, Irdning, S. 35 - 40
943. **Meissner, R.**, Schob, S., Bernsdorf, S., **Rupp, H.**, Jahn, R. (2013):
Charakterisierung der Kaliumdynamik von speziellem Niedermoorgrünland im Naturschutzgebiet Ohre-Drömling unter dem Aspekt differenzierter hydrologischer Bedingungen
Jahrestagung der Deutschen Bodenkundlichen Gesellschaft , 7. - 12. September 2013, Rostock. Sitzung der Kommission IV
Berichte der DBG
Deutsche Bodenkundliche Gesellschaft, Oldenburg, S. 1 - 4
944. **Moeller, L.** (2013):
Leipziger Schaumtester - Testset und dessen Verwendung zur Bestimmung der Schaumneigung von Substrat für Biogasanlagen
Effizienzsteigerung von Biogasanlagen : Tagungsband des 6. Innovationskongresses BIOGAS 2013, 23.-24. Mai 2013 im Zentrum für Umweltkommunikation der Deutschen Bundesstiftung Umwelt, Osnabrück
Deutsche Bundesstiftung Umwelt, Osnabrück, S. 151 - 156

945. **Naumov, D., Bilke, L., Kolditz, O.** (2013):
Rendering technique of multi-layered domain boundaries and its application to fluid flow
in porous media visualizations
In: **Kolditz, O., Rink, K.**, Scheuermann, G. (eds.)
*Workshop on Visualisation in Environmental Sciences (EnvirVis), Leipzig, Germany,
2013. Proceedings*
EnvirVis2013
The Eurographics Association, Geneva, p. 43 - 46
946. Osterloh, K., Bernsdorf, S., **Meißner, R.** (2013):
Einfluss von Wiedervernässungsmaßnahmen auf den Wasser- und Stoffhaushalt eines
Moores im Nationalpark Harz
In: Marold, B. (Hrsg.)
*Lysimeterforschung als Bestandteil der Entscheidungsfindung. 15. Gumpensteiner
Lysimetertagung vom 16. - 17. April 2013 am LFZ Raumberg-Gumpenstein, Österreich.
Proceedings*
Lehr- und Forschungszentrum für Landwirtschaft Raumberg-Gumpenstein, Irdning, S.
169 - 174
947. **Paul, G.H., Meißner, R., Ollesch, G.** (2013):
Erfassung kleinräumiger Heterogenitäten der Bodenwasserdynamik im Fläming
(Deutschland)
In: Marold, B. (Hrsg.)
*Lysimeterforschung als Bestandteil der Entscheidungsfindung. 15. Gumpensteiner
Lysimetertagung vom 16. - 17. April 2013 am LFZ Raumberg-Gumpenstein, Österreich.
Proceedings*
Lehr- und Forschungszentrum für Landwirtschaft Raumberg-Gumpenstein, Irdning, S.
185 - 190
948. **Rink, K., Bilke, L., Kolditz, O.** (2013):
Visualisation strategies for modelling and simulation using geoscientific data
*Proceedings of Workshop on Visualisation of Environmental Sciences (EnvirVis), June
17-18, 2013, Leipzig Germany*
The Eurographics Association, Geneva, p. 47 - 51
949. **Rupp, H., Meißner, R.** (2013):
Die Dynamik von Schwermetallen und Arsen in Auenböden - Ergebnisse von
kombinierten Feld- und Lysimterversuchen
In: Marold, B. (Hrsg.)
*Lysimeterforschung als Bestandteil der Entscheidungsfindung. 15. Gumpensteiner
Lysimetertagung vom 16. - 17. April 2013 am LFZ Raumberg-Gumpenstein, Österreich.
Proceedings*
Lehr- und Forschungszentrum für Landwirtschaft Raumberg-Gumpenstein, Irdning, S.
103 - 108

950. **Rupp, H., Paul, G.H., Meissner, R., Ollesch, G.** (2013):
Unterschiede und Gemeinsamkeiten in der Bodenwasserdynamik unterschiedlicher Wald- und Ackerstandorte
Jahrestagung der Deutschen Bodenkundlichen Gesellschaft , 7. - 12. September 2013, Rostock. Sitzung der Kommission I
Berichte der DBG
Deutsche Bodenkundliche Gesellschaft, Oldenburg, S. 1 - 4
951. **Sandig, C., Sauer, U., Schütze, C.**, Flechsig, C., Serfling, U. (2013):
Untersuchung von Eigenpotentialvariationen in Kombination mit geophysikalischen und Bodengasmessungen an natürlichen CO₂ Entgasungsstellen
73. Jahrestagung der Deutschen Geophysikalischen Gesellschaft, 4. - 7. März 2013 in Leipzig
Universität Leipzig, Leipzig, S. 139
952. **Sauer, U., Schütze, C.** (2013):
Hierarchical diagnostic monitoring concept for detecting CO₂ releases- Combination of Fourier transform infrared (FTIR) spectroscopy with geophysical and soil gas investigations
73. Jahrestagung der Deutschen Geophysikalischen Gesellschaft, 4. - 7. März 2013 in Leipzig
Universität Leipzig, Leipzig, S. 149
953. Schob, S., **Meissner, R., Rupp, H.**, Bernsdorf, S., Braumann, F. (2013):
Charakterisierung der K-Dynamik von differenziert bewirtschaftetem Niedermoorgebiet im Nationalpark Drömling
In: Marold, B. (Hrsg.)
Lysimeterforschung als Bestandteil der Entscheidungsfindung. 15. Gumpenstein Lysimetertagung vom 16. - 17. April 2013 am LFZ Raumberg-Gumpenstein, Österreich. Proceedings
Lehr- und Forschungszentrum für Landwirtschaft Raumberg-Gumpenstein, Irdning, S. 175 - 178
954. **Thrän, D.**, Krautz, A. (2013):
Bedarfsgerechte Bereitstellung durch Biogasanlagen - Was geht? Wo drückt der Schuh?
15th Leibniz Conference of Advanced Science: Erneuerbare Energien 2013, 2.-3. Mai 2013, Berlin
955. **Vienken, T., Schelenz, S., Firmbach, L., Dietrich, P.** (2013):
Strategies towards a sustainable thermal use of the shallow subsurface
Proceedings of the European Geothermal Energy Congress 2013, 3-7 June, Pisa, Italy

956. **Walther, M., Bilke, L., Delfs, J.-O., Graf, T., Grundmann, J., Kolditz, O., Liedl, R.** (2013): Visualizing saline intrusion in a three-dimensional, heterogeneous, coastal aquifer
In: **Kolditz, O., Rink, K., Scheuermann, G.** (eds.)
Workshop on Visualisation in Environmental Sciences (EnvirVis), Leipzig, Germany, 2013. Proceedings EnvirVis2013
The Eurographics Association, Geneva, p. 77 - 81
957. **Wilske, C., Siebert, C., Rödiger, T., Geyer, S., Merkel, B.** (2013): Characterisation of the aquifer system along the NW Dead Sea using stable isotope signatures and strontium isotope ratios
Isotope Workshop XII organised by the European Isotope Research ESIR, 24.-27.07.2013 Freiberg

Blog

958. **Gawel, E.** (2013):
Virtuelles Wasser - mehr als ein Glasperlenspiel?
959. **Gawel, E.** (2013):
Altmaiers Liste: Strompreisbremse oder Umkehrschub? Über die Kunst, die Kosten der Energiewende zu begrenzen
960. **Lehmann, P., Gawel, E., Strunz, S.** (2013):
Es geht nicht nur um Klimaschutz! Der Vorschlag von Businesseurope für die europäische Energie- und Umweltpolitik im Jahr 2030 greift zu kurz

UFZ-Autorenregister

A

Achtenhagen, J.	524
Adrian, L.	6, 115, 222, 327, 336, 448, 452, 504, 571
Aicher, C.	903
Akter, S.	2
Albert, C.	201, 423
Alberti, P.	803
Alexandrescu, F.	5, 785, 787
Algora, C.	6
Altdorff, D.	10, 447, 492
Altenburger, R.	11, 129, 297, 474, 487, 610, 672
Anadón, J.D.	157
Arndt, S.	466
Arroyo Abad, U.	12, 332
Attinger, S.	178, 215, 302, 346, 578, 625, 646
Auge, H.	21, 612
Auliya, M.	59, 207, 270, 670, 671
Aurich, A.	381, 659, 660
Avlyush, S.	18
Ayllón, D.	19

B

Baasch, S.	783
Baborowski, M.	248, 904
Bärlund, I.	145, 442, 461, 801
Baessler, C.	607
Bahlmann, A. A.	715
Bahr, A.	211
Bandow, N.	610
Banitz, T.	24, 283
Bankamp, D.	25, 530
Banzhaf, E.	26
Bartels, P.	275
Barth, K.	926
Bartke, S.	753, 788, 790, 933
Bartsch, S.	29
Bartzke, M.	619
Bashir, S.	31
Baskyr, I.	445, 446, 627
Bastida, F.	32, 236, 543, 613
Bathe, F.	35, 745
Bauch, B.	74, 207
Bauer, M.	154, 208, 342, 385, 584, 592, 630
Baumann, S.	218, 393, 395, 419, 420, 673, 766
Bausch, L.	674, 748
Becher, M.	37
Beck, S.	38, 675, 756, 905
Becker, A.	330
Becker, N.	375
Bedtke, N.	703, 704, 890
Bedulina, D.S.	39
Begg, C.	617
Beketov, M.A.	41, 42, 43, 269, 498, 556
Berghöfer, U.	903
Bernhard, K.	414
Bernsen, K.	160
Bezama, A.	49, 50
Bilke, L.	178, 945, 948, 956
Bindel, L.	769
Bindschedler, S.	66, 443

Bischoff, P.	878
Blaser, Sebastian	82
Bleicher, A.	182, 495, 496, 676, 753, 790
Bleyl, S.	52
Bocaniov, S.	477
Bocaniov, S.A.	54
Böhme, A.	60
Boehrer, B.	57, 58
Bönn, M.	572
Böttcher, N.	546, 802
Boettger, T.	367
Bohn, F.	387, 599
Bombach, P.	32, 211, 236, 458
Bonn, A.	462
Borchardt, D.	18, 97, 248, 324, 471, 611, 762, 779, 791, 792, 825, 861, 873, 898, 924, 925
Borges De Amorim, P.	677
Borsdorf, H.	467, 523, 662, 663, 740
Borte, M.	244, 629
Bossdorf, O.	612
Both, S.	651
Bovet, J.	470, 678, 679, 793
Brabender, M.	109
Brack, W.	76, 156, 221, 296, 417, 594, 680, 715, 794
Braeckeveld, M.	650
Bräuer, K.	65, 249
Bratfisch, F.	411
Brauns, M.	177, 248, 795
Brenck, M.	321
Breuer, U.	521
Brown, T.N.	70, 122, 174
Buchenhorst, D.	219
Buchholz, F.	353
Buchmann, C.	110
Buchmann, C.M.	71, 720
Bühligen, F.	72
Büttner, O.	78, 190, 248, 477, 586
Bumberger, J.	907, 908, 919, 921, 935
Bunzel, K.	75
Burkhardt-Medicke, K.	143
Buscot, F.	9, 33, 55, 158, 306, 325, 376, 383, 428, 448, 550, 572, 651, 797

C

Carl, G.	80, 110
Carminati, A.	81, 82
Carranza Diaz, O.	168
Centler, F.	86, 323, 408
Chatzinotas, A.	9, 87, 127, 166, 167, 489, 490
Cord, A.F.	94
Cuntz, M.	116, 171, 363, 646

D

Das, S.	862
Daus, B.	384, 388, 934
David, T.	97
De Angelo, C.	98
De Biase, C.	99
de Rooij, G.H.	101, 576, 577
Delfs, J.-O.	102, 178, 545, 546, 799, 956
Demuth, D.	935
Dieker, P.	106
Dierke, C.	107, 317, 940
Dietrich, P.	10, 36, 63, 64, 178, 202, 277, 288, 317, 447, 492, 493, 522, 603, 604, 634, 658, 668, 749, 798, 822, 907, 912, 919, 936, 941, 955

Diniz Gonçalves, T.	108
Dislich, C.	616, 789, 859
Doktor, D.	80, 313, 314, 315, 317
Dolciotti, I.	330
Dombrowsky, I.	791
Dong, Y.	773
Dormann, C.F.	34, 110, 153, 280, 489, 526, 645
Drechsler, M.	590
Dreßler, G.	387
Droge, S.T.J.	89, 112, 113, 114, 621
Duquesne, S.	41, 285, 286, 330
Durka, W.	16, 92, 118, 192, 276, 352, 454, 478, 516, 767, 800

E

Ebert, R.-U.	130, 296
Ebert, S.	319, 734
Effertz, S.	812
Eichhorn, M.	569, 862
Eigemann, F.	120
Eismann, K.	437
Endo, S.	122, 123, 124, 125, 126, 174, 422, 510, 560, 561
Engel, M.	396
Eschenhagen, W.	769

F

Faetsch, S.	474
Falaleeva, M.	134
Fedriani, J.M.	135, 434, 436, 566, 567, 686
Feisthauer, S.	458
Feldhahn, L.	306, 572
Fester, T.	137, 138, 608
Fetter, E.	440
Fetzer, I.	72, 127, 138, 271, 272, 489, 490, 585
Fiedler, P.	467
Finkenbein, P.	141, 298
Firmbach, L.	798, 936, 955
Fischer, A.	31, 583
Fischer, B.	142, 781
Fischer, T.	108, 176, 476
Fleckenstein, J.H.	29, 178, 278, 405, 426, 540, 565, 591, 605
Foit, K.	330
Franchini, A.	236
Franck, U.	147, 334
Frank, K.	24, 179, 407, 803
Franko, U.	69, 288, 298
Franz, J.	585
Franz, K.W.	149, 429
Franzén, M.	47, 48, 150, 151, 242, 329, 413
Frenzel, M.	838
Friese, K.	477, 661
Friesen, J.	600, 737

G

Gaffron, A.	219
Gallampois, C.M.J.	156
Gasch, M.	208
Gawel, E.	159, 160, 161, 162, 163, 164, 210, 322, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 731, 776, 776, 804, 805, 806, 807, 824, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 958, 959, 960

Gebhardt, O.	321
Gehre, M.	168, 418, 543
Geisler, A.	123
Georgi, A.	52, 172
Gerisch, M.	518
Gerling, S.	585
Gerner, N.V.	498
Getzin, S.	175, 453, 623, 624, 666
Geyer, S.	348, 349, 421, 737, 738, 761, 771, 957
Giebler, J.	166, 167
Gimkiewicz, C.	713
Giordano, N.	936
Girardi, C.	168, 418
Gläßer, W.	410
Glaser, K.	9, 87
Göhler, M.	171
Görg, C.	199, 200, 201, 235, 717, 760, 808, 809, 810
Görke, U.-J.	257, 546, 796, 802, 811, 829, 874, 875
Görke, U.	36
Görsch, K.	896, 913, 914, 915, 916, 917
Götzenberger, L.	206
Gonzalez-Olmos, R.	172
Gordalla, D. M.	312
Goss, K.-U.	70, 112, 113, 114, 122, 123, 124, 174, 368, 422, 510, 560
Goss, K.U.	561
Govender, S.	680
Gräbe, A.	108, 176
Graebisch, C.	385
Gräbsch, C.	592
Graf, M.	572
Grimm, V.	22, 37, 132, 133, 149, 165, 237, 283, 331, 333, 358, 359, 371, 456, 542, 714, 813
Groeneveld, J.	179, 387, 456
Gross, M.	181, 182, 495, 496
Grossmann, K.	246, 247
Großmann, K.	147, 180
Gruber, B.	110, 826
Günther, S.	273, 369
Günther, U.	411
Gutknecht, J.	213
Gutknecht, J.L.M.	665
Gwillym-Margianto, S.	312, 316

H

Haange, S.-B.	136
Haase, A.	180, 186
Haase, D.	185, 186, 245, 309, 402, 503, 635, 784, 814, 815, 816, 817
Habighorst, R.	826, 860
Hachicho, N.	253, 435
Hachmöller, B.	187
Hackermüller, J.	61, 673
Händel, F.	128, 193, 658
Härtig, C.	138
Hagenau, J.	942
Halbedel, S.	190, 191, 248
Hanke, K.	298
Hannes, M.	755
Hansjürgens, B.	705, 756
Hanspach, J.	786, 818, 868, 869, 870
Harms, H.	24, 72, 166, 167, 271, 272, 323, 353, 427, 451, 480, 489, 490, 500, 521, 585
Harnisch, F.	105, 195, 196, 382, 713, 752, 858
Harpke, A.	902
Hartig, F.	526, 574, 599
Hassold, E.	330
Hauck, J.	199, 200, 201, 344, 716, 717, 857, 894
Hausmann, J.	202, 749
Headley, T.	146, 203, 414, 415

Hein, R.	620
Heink, U.	235
Heipieper, H.J.	139, 253, 289, 292, 396, 435, 520
Helbig, C.	937
Hellmann, C.	499
Henle, K.	207, 307, 308, 400, 429, 593, 739, 754, 782, 803, 812, 819, 820, 821, 826, 856, 871, 876
Herberth, G.	208, 209, 629, 630
Herbst, F.-A.	183, 211, 212, 216, 528, 613
Herrmann, S.	306, 572
Herzsprung, P.	477
Heße, F.	86, 215
Heubach, K.	217
Heuson, C.	892
Hildebrandt, A.	578
Hinz, D.	208, 209, 630
Höfer, R.	284
Hoehn, M.	307, 308
Hoffmann, P.	664
Holzer, F.	219, 481, 482, 508, 509
Horovitz, M.	718
Hu, M.	680
Hübschmann, T.	273, 325, 406, 480
Hug, C.	221
Huth, A.	237, 453, 574, 599, 789, 859

I

Ibisch, R.	779, 792, 825, 924, 925
Imfeld, G.	374

J

Jäger, C.G.	248
Jahn, M.	232, 233
Jax, K.	199, 200, 201, 204, 234, 235, 717, 719
Jean-Baptiste, N.	823
Jechalke, S.	236
Jehmlich, N.	212, 613
Jende, C.	589
Jentsch, A.	620
Jeschke, C.	238
Ji, L.	239
Jiménez, N.	4
Johst, K.	24, 133, 149, 240, 429, 456, 544
Jomaa, S.	27, 241
Junge, K.M.	230, 244

K

Kabisch, N.	186, 245
Kabisch, S.	246, 247, 823
Kästner, M.	168, 252, 418, 520, 524, 648
Kaestner, M.	519, 527, 640
Kalbacher, T.	102, 178, 799
Kalkhof, S.	53, 267, 379, 389, 395, 673
Kamjunke, N.	248
Kanagaraj, R.	98, 250, 251, 392, 453
Kappelmeier, U.	121, 640, 650
Karthe, D.	684, 722
Kasack, K.	61
Kasperidus, H.D.	741
Kattwinkel, M.	41, 42, 75, 330

Kerimoglu, O.	259
Kern, K.	723, 824
Kindler, A.	26, 564
Kindler, L.	679
Kirschke, S.	825, 924, 925
Kistner, I.	262
Klar, N.	598
Klassert, C.	264, 387, 706, 707, 884
Klauer, B.	35, 142, 265, 781
Kleinsteuber, S.	323, 411, 585, 618, 667
Klenke, R.	307, 341, 416, 515, 782, 803, 819, 821, 826, 856, 899
Kliemt, S.	267, 395
Klotz, S.	141, 607, 685, 739, 760, 786, 818, 827, 867, 868, 870
Klotzbücher, T.	760
Klüver, N.	143, 513
Knillmann, S.	269, 556
Knoche, M.	370
Knöller, K.	238
Knoeller, K.	449
Koch, C.	271, 272, 273
Koebernick, Nicolai	82
Köck, W.	470, 708, 724, 725, 726, 727, 728, 729, 746, 780, 828, 835, 835
Kögler, S.	908, 909
Köhler, R.	219
Köhne, J.M.	718
König, S.	376
Köster, Y.	896
Kohajda, T.	53, 208, 395
Kolditz, O.	36, 79, 102, 108, 176, 178, 220, 257, 277, 305, 399, 457, 476, 501, 529, 536, 537, 545, 546, 655, 656, 757, 798, 799, 802, 811, 829, 834, 840, 841, 874, 875, 893, 936, 937, 945, 945, 948, 956, 956
Kopinke, F.-D.	52, 172, 219, 282, 445, 481, 482, 508, 509, 627
Korte, K.	161, 669, 711, 731
Koschorreck, M.	191, 238
Kraan, C.	280
Kraft, F.	520
Kramer-Schadt, S.	250
Kraus, M.	282, 508
Kraushaar, S.	732, 733, 939
Krauss, M.	90, 156, 184, 221, 417, 680, 715
Kreck, M.	202, 604
Krellenberg, K.	205, 284, 854, 926
Kreyling, J.	620
Krieg, F.	747
Krieg, R.	410
Kroeger, I.	285, 286
Krohn, S.	127
Krüger, D.	428
Krüger, E.H.	287
Krüger, J.	288
Krumbiegel, P.	290
Kublik, A.	504
Kuehn, B.	477
Kühn, E.	559, 902
Kühn, I.	80, 117, 206, 295, 317, 454, 533, 645, 760, 777, 778, 786, 818, 833, 846, 847, 868, 869, 870
Kühne, R.	73, 130, 296, 403, 587
Kühnel, D.	228, 357, 832
Kühnert, A.	297
Kümmel, S.	303
Küster, E.	297, 513, 619, 715
Kuhlicke, C.	223, 293, 294, 617, 758, 823
Kuhlicke, U.	83, 628
Kuka, K.	69, 141, 298, 299, 300
Kumar, R.	301, 302, 491, 647
Kuntze, K.	303
Kuparinen, A.	434
Kurth, F.	306, 572
Kuschk, P.	14, 527, 640, 648, 649, 650

L

- Lampa, S. 307, 826
 Lange, R. 308
 Lau, S. 523
 Lausch, A. 310, 311, 312, 313, 314, 315, 316, 317
 Lautenbach, S. 110, 318, 531, 595
 Lazik, D. 28, 319, 734
 Lee, M.-Y. 781
 Lehmann, I. 84, 96, 208, 209, 230, 244, 274, 346, 393, 424, 433, 441, 455, 469, 629, 630, 751
 Lehmann, K. 729, 835
 Lehmann, P. 161, 164, 320, 321, 322, 711, 712, 887, 888, 960
 Leibeling, S. 323
 Leitte, A. 334
 Leitão, P.J. 94
 Lentendu, G. 325
 Leschik, S. 505
 Leven, C. 604
 Li, X. 328
 Lienhoop, N. 354, 899, 911
 Liess, M. 41, 42, 43, 75, 269, 285, 286, 330, 380, 498, 556
 Lin, Y. 331
 Livneh, B. 301
 Lohse, U. 585
 Louzao, M. 339, 653
 Loyau, A. 111, 682, 683
 Luckenbach, T. 39, 143, 513

M

- Maboreke, H. 572
 Mackenzie, K. 52, 172
 Magsig, B.-O. 736
 Mai, J. 171, 346, 625
 Maier, U. 178, 347, 591
 Mallast, U. 348, 349, 737, 738
 Mannschatz, T. 912, 941
 Manstetten, R. 265, 781
 Marañón-Jiménez, S. 350, 351
 Marcus, H. 248
 Mariana, F. 198, 353
 Markantonis, V. 354, 375
 Marquard, E. 356, 739, 871
 Martin, B.T. 231, 358, 359, 542, 714
 Martin, R. 387
 Martini, E. 361, 450, 908
 Martínez, I. 360
 Martínez-Lavanchy, P.M. 472
 Marxen, A. 760
 Maskow, T. 198, 353, 362, 427, 465
 Matsinos, Y.G. 431
 Mattusch, J. 12, 17, 144, 332, 378, 388
 May, F. 237, 364, 365
 Mayer, T. 740
 Meier, C. 370
 Meissner, R. 88, 262, 488, 518, 654, 831, 844, 918, 943, 950, 953
 Meißner, R. 555, 772, 845, 922, 942, 946, 947, 949
 Melo, V.A. 519
 Merbach, I. 315, 316, 372, 388, 730
 Merz, R. 67, 349, 370, 517, 606, 737, 738
 Metzler, B. 902
 Mewes, M. 851
 Meyer, M.A. 837
 Meyer, V. 294, 354, 375

Michalski, S.	30, 206
Michalski, S.G.	454, 478, 800
Miltner, A.	168, 189, 252, 418, 519, 520, 524
Mishra, S.	377, 378
Möckel, S.	264, 742, 743, 744, 745, 746, 899
Moeder, M.	46, 597, 601
Möder, M.	662, 663
Mögel, I.	395
Moeller, L.	381, 747, 896, 913, 914, 915, 916, 917, 944
Mörbt, N.	61
Mothes, F.	467
Mothes, S.	488
Mueller, A.	385
Müller, A.	26, 284, 386
Müller, B.	387, 554
Müller, J.A.	336, 472, 649, 650
Müller, K.	388
Müller, M.	432
Müller, R.	203, 415
Müller, R.A.	414, 664, 896
Müller, R.H.	323, 451, 480, 521
Müller, S.	72, 233, 271, 272, 273, 325, 369, 390, 406, 480
Müller, S.A.	389
Mulliner, D.	391
Murugaiyan, J.	393
Murugesan, K.	395
Musat, N.	229, 291, 538
Musche, M.	559, 777, 778
Musolff, A.	505
Muz, M.	680
Myšiak, J.	839
Mészáros, E.	374

N

Naether, D.	396
Nagel, T.	373, 397, 398, 399, 537, 582, 811, 840, 841
Naumov, D.	945
Neßhöver, C.	235, 404, 430, 775, 820, 871
Neu, T.R.	45, 83, 198, 306, 340, 353, 458, 500, 570, 628
Neumann, F.	585
Nicholson, E.	407
Nick, H.	408
Niemann, S.	324
Nijenhuis, I.	31, 254, 374, 409, 448
Nikiema, J.	410
Nikolausz, M.	254, 374, 411, 573
Nikolopoulou, M.	412
Nitsch, H.	877
Nivala, J.	203, 414, 415
Nordt, A.	341, 416
Norf, H.	248, 412
Noskov, Y.	556
Nowak, K.M.	168, 418
Nowicki, P.	548, 549

O

Odeh, T.	421
Oemisch, L.	422
Ollesch, G.	262, 586, 732, 733, 845, 918, 939, 947, 950
Olzog, M.	396
Osenbrück, K.	178, 541
Otto, W.	267, 395, 437, 673, 766

P

Paasche, H.	187, 492, 749, 935
Palatinszky, M.	573
Papanikolaou, A.	366
Paramatti, E.	409
Paschke, A.	597
Paufler, S.	427
Paul, G.H.	845, 918, 947, 950
Paulsch, A.	871
Pause, M.	178, 315, 317
Pavlichenko, V.V.	39
Pe'er, G.	152, 207, 258, 429, 430, 431, 432, 720
Pellegatti, E.	409
Petersen, T.	265, 781
Petzold, S.	441
Piayda, A.	116
Pietsch, M.	143
Pöritz, M.	448
Poerschmann, J.	445, 446, 627
Pohle, M.	288
Polte, T.	441, 469, 486
Pompe, S.	833
Popp, S.	447, 492
Poser, A.	449
Preidl, S.	313, 314
Priess, J.A.	201, 716, 837
Prieto, A.	51, 85, 597
Protopopova, M.V.	39
Prykhodko, V.	215
Przybylski, D.	451
Pütz, S.	432
Purkus, A.	162, 710, 711, 885
Purswani, J.	521

R

Rabe, C.	509
Rahn, K.	58
Rakoczy, J.	458
Rauschmayer, F.	134, 235, 326, 460, 782, 820, 821, 830, 843, 848, 849, 891, 895, 897
Rebmann, C.	363
Reboulet, E.	604
Recht, S.	572
Reemtsma, T.	17, 46, 463, 464, 601
Reiche, K.	61, 642
Reiche, N.	467, 523
Reinemann, C.	850
Reinhardt, T.	468
Reiprich, M.	469
Remmler, P.	919
Renker, C.	376
Renner, P.	268, 512
Richnow, H.-H.	6, 211, 409, 449, 543, 583, 613
Richnow, H.H.	31, 32, 236, 303, 411, 458, 910
Richter, M.	564
Richter, S.	77, 471, 611, 873, 898
Riedl, J.	474
Ring, I.	201, 225, 782, 819, 820, 821, 826, 830, 839, 851, 852, 853, 855, 860, 899, 920, 928
Rink, D.	475, 836, 878
Rink, K.	176, 178, 305, 476, 477, 529, 834, 937, 945, 948, 956
Rinke, K.	259, 477
Rinke, K.	477
Rinklebe, J.	555

Ritter, S.	478
Rockstroh, M.	393
Rode, J.	95
Rode, M.	262, 541, 579
Röder, S.	147, 208, 209, 629, 630
Rödiger, T.	176, 421, 517, 737, 738, 761, 771, 957
Rönicke, H.	477, 735
Roggero, M.	479
Rohwerder, T.	451, 480, 521
Roland, U.	219, 282, 481, 482, 508, 509
Rolle-Kampczyk, U.	208, 355, 630, 673
Roscher, C.	1, 7, 8, 93, 100, 337, 356, 376, 484, 485
Rosell, M.	236
Rotter, S.	474, 487
Rudzok, S.	469
Rügner, H.	178
Rupp, H.	518, 654, 942, 943, 949, 950, 953
Russow, R.	488, 558

S

Saad, R.A.B.	649
Salbach, C.	312, 316
Saleem, M.	489, 490
Samaniego, L.	178, 227, 301, 302, 491, 647
Sandig, C.	951
Sauer, D.	492, 935
Sauer, U.	493, 522, 523, 951, 952
Schädler, M.	3, 23, 572, 620, 657, 760
Schäffer, M.	18, 499
Schamfuß, S.	24, 500
Scheibe, N.	615
Schelenz, S.	955
Schilde, M.	209
Schiller, J.	35, 142, 265, 781
Schipp, C.-J.	504
Schirmer, M.	410, 505
Schleinitz, K.M.	585
Schleyer, C.	444
Schlink, U.	147, 334, 385, 564
Schlüter, M.	506
Schlüter, S.	502, 507
Schmeller, D.S.	111, 207, 366, 682, 683, 768
Schmidt, A.-M.	143
Schmidt, A.	316
Schmidt, C.	585, 591, 605
Schmidt, F.	908, 921
Schmidt, F.	212, 613
Schmidt, J.	201
Schmidt, M.	254, 409
Schmitt-Jansen, M.	120, 474, 487
Schmolke, A.	155
Schneider, J.	508, 509
Schneider, M.	510
Schnicke, T.	874
Schniewind, I.	928
Schober, L.	432
Schock, S.	49
Scholz, M.	741
Scholz, S.	440, 511, 512, 513
Schorsch, K.	393
Schrader, S.	46
Schreiber, R.	194, 514
Schröter-Schlaack, C.	852, 899
Schütt, M.	104
Schüttler, E.	214
Schütze, C.	493, 522, 523, 951, 952

Schütze, N.	469
Schüürmann, G.	60, 73, 130, 239, 296, 385, 391, 403, 439, 483, 513, 525, 587, 594, 633, 641
Schultze, M.	238, 477
Schultze-Nobre, L.	640
Schulz, B.	516
Schulz, E.	104, 372, 730
Schulz, K.	314
Schulz, S.	517, 718, 757
Schulz-Zunkel, C.	400, 518, 741, 754, 899
Schulze, J.	387
Schulze, T.	221, 680, 715
Schumann, T.	733
Schurig, C.	519, 520
Schuster, J.	480, 521
Schwarz, A.	284, 926
Schwarz, N.	147, 387
Schwarze, R.	375, 459
Schweiger, O.	173, 328, 329, 643, 644
Schweiger, S.	633
Schwerdtner Máñez, K.	826, 839, 853
Schwichtenberg, G.	8
Seeger, E.M.	527
Seeger, J.	654
Seidel, H.	664
Seifert, J.	56, 119, 136, 183, 211, 212, 233, 236, 304, 437, 504, 528, 571, 575, 613
Selle, B.	178
Sendek, A.	91
Seppelt, R.	25, 44, 266, 315, 318, 530, 531, 595, 760
Settele, J.	197, 328, 329, 343, 478, 532, 533, 534, 548, 549, 551, 559, 581, 759, 760, 769, 867, 902
Shafique, U.	750
Shao, H.	399, 536, 537, 545, 802, 841
Shao, H.B.	829
Shen, G.	539
Shrestha, R.R.	541
Siebert, C.	176, 348, 349, 421, 517, 718, 732, 733, 737, 738, 757, 761, 771, 938, 939, 957
Sigel, K.	163
Singer, A.	256, 526, 544
Singh, A.	545
Singh, A.K.	102, 227, 399, 546, 799, 802, 841
Sinha, S.	547
Slawtschew, S.	396
Solazzo, G.	551
Spangenberg, J.H.	534, 552, 553, 760
Spott, O.	226, 488, 557, 558, 585
Stadler, J.	20, 473
Stärk, H.-J.	13, 62, 378, 580
Stärz, C.	825, 924, 925
Stampfli, N.	556
Stampfli, N.C.	269
Stange, C.F.	558
Stasík, S.	396
Steinel, H.	202
Stenzel, A.	70, 560, 561
Stollberg, R.	652
Sträuber, H.	411
Strauch, G.	62, 65, 249, 425
Strauch, M.	318, 562, 563
Strehlitz, B.	381, 850
Strer, M.	432
Strunz, S.	161, 164, 712, 886, 887, 888, 901, 960
Stryganyuk, G.	103, 281
Stryhanyuk, H.	535
Stüwe, R.	633
Suciù, N.	457
Süßbauer, E.	321
Sun, F.	176
Szarka, N.	569, 862

T

Tarkka, M.	428
Tarkka, M.T.	306, 448, 572
Taron, J.	546, 802
Tauber, T.	573
Taubert, F.	574
Taubert, M.	212, 575, 613
Tauchnitz, N.	488, 844
Tessema, S. G.	578
Teutsch, G.	178, 287
Theuring, P.	579
Thrän, D.	170, 494, 569, 763, 764, 765, 776, 842, 862, 863, 864, 865, 866, 900, 927, 929, 930, 931, 932, 954
Thulke, H.-H.	431
Thullner, M.	86, 99, 323, 408, 466, 583
Timaeus, J.	404
Tischer, K.	585
Tittel, J.	78, 477, 586
Tomm, J.M.	61, 393, 395, 588, 589, 673, 766
Touza, J.	590, 813
Trabitzsch, R.	934
Trauth, N.	591, 605
Trogisch, S.	651
Trump, S.	346, 393, 469

U

Ulbrich, K.	769, 867, 902
Ulrich, N.	221, 296, 594
Unnerstall, H.	889

V

van Afferden, M.	203, 414, 415
Vandewalle, M.	894
Velázquez, E.	224, 596
Vetterlein, D.	81, 82, 255, 388, 602, 760
Vienken, T.	202, 220, 603, 604, 798, 822, 936, 955
Vieweg, M.	591, 605
Völker, J.	471, 611, 762, 861, 873, 898
Völler, E.	612
Vogel, H.-J.	82, 178, 401, 502, 507, 609, 732, 733, 939
Vogs, C.	297, 335, 610
Vogt, C.	236, 303, 449, 458, 613, 910
Volk, M.	68, 169, 315, 318, 531, 562, 563, 872
von Bergen, M.	53, 56, 61, 119, 136, 183, 211, 212, 233, 236, 267, 304, 323, 355, 389, 393, 394, 395, 437, 528, 588, 589, 613, 630, 673, 766
von Bergen-Tomm, M.	208, 543, 575
von der Ohe, P.C.	263, 296, 497, 498, 614, 636, 923
von Tümpeling, W.	97, 248, 275, 279, 615
Václavík, T.	94, 595

W

Wagner, J.	393
Wagner, M.	910
Wagner, V.	118
Walter, J.	620

Walther, M.	956
Wang, W.	102, 176, 257, 345, 655, 799, 802, 829, 874, 875
Wang, X.	622
Wasmund, K.	458
Watanabe, N.	79, 345, 399, 798, 802, 841
Weichler, M.-T.	427
Weichler, M.T.	480
Weiland, S.	626
Weiner, B.	445, 446, 627
Weise, H.	387
Weise, S.	15, 261, 770
Weise, S.M.	188, 370
Weiss, H.	108, 652, 677, 934
Weiß, H.	148, 219, 338
Weiss, V.	626, 826, 849
Weisse, K.	455, 629, 630
Weitere, M.	190, 248, 468
Weller, U.	82, 178
Wellner, P.	143
Wells, N.S.	631
Welz, J.	284
Wendeberg, A.	585, 632
Wendt-Potthoff, K.	477
Wennrich, R.	388
Werban, U.	107, 178, 202, 243, 288, 317, 634, 749, 940
Wichmann, G.	385
Wick, L.Y.	24, 41, 166, 167, 396, 500, 583
Wiedling, S.	902
Wiegand, T.	98, 237, 250, 251, 339, 360, 392, 453, 539, 568, 622, 637, 638, 666, 686, 720
Wiemers, M.	140, 343, 478, 639, 681, 721, 760, 774, 777, 902
Wiessner, A.	640, 648, 649, 650
Wild, R.	248
Wilske, C.	771, 957
Winkler, S.	630
Winter, M.	131, 454, 643, 644, 777, 778
Wirkner, R.	866
Wirth, B.	573
Wissenbach, D.K.	389, 395, 673
Wittmer, H.	200, 260, 404, 717, 826, 894
Wollscläger, U.	178, 755, 908, 909
Wondrousch, D.	633
Wu, Y.-T.	651
Wubet, T.	9, 33, 40, 158, 213, 306, 376, 383, 448, 572, 651

X

Xiao, H.	654
----------	-----

Y

Yadav, P.	658
Yaneva, N.	451

Z

Zacharias, S.	315, 317, 607, 634, 908, 909
Zarejousheghani, M.	662, 663
Zehner, B.	257
Zehnsdorf, A.	381, 664, 747, 896, 906, 917
Zeitler, K.	306
Zhang, W.	60
Zielinski, F.	438

UFZ-Autorenregister

Zink, M.	491
Zschornack, L.	604, 668
Zurell, D.	237

Herausgeber

Helmholtz-Zentrum für Umweltforschung GmbH - UFZ

Permoserstraße 15
04318 Leipzig
Telefon 0341-235-0

Bearbeitung

Erika Schnauková

Michael Garbe

Heike Reichelt