

Veröffentlichungen 2012

des Helmholtz-Zentrums für Umweltforschung GmbH – UFZ

Forschungsbereich Erde und Umwelt

Forschen für die Umwelt

Vorbemerkung

Das vorliegende Veröffentlichungsverzeichnis umfasst die im Jahre 2012 erschienenen Publikationen des Forschungsbereichs Energie, die von Mitarbeitern der Helmholtz-Zentrum für Umweltforschung GmbH - UFZ verfasst, mitverfasst oder herausgegeben wurden.

Redaktionsschluss für diese Publikationsliste war der 27. Juni 2013.

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)	74
Buch	88
Buchherausgabe	90
Buchkapitel	91
Bericht	114
Berichtartikel	119
Patent	124
Qualifizierungsarbeit	125
Tagungsbeitrag	127
UFZ-Autorenregister	132

Artikel in ISI gelisteten Zeitschriften

1. **Akter, S.** (2012):
The role of microinsurance as a safety net against environmental risks in Bangladesh
J. Env. Dev. **21** (2), 263 - 280
2. **Akter, S.**, Bennett, J. (2012):
Preference uncertainty in stated preference studies: facts and artefacts
Appl. Econ. **45** (15), 2107 - 2115
Impact Factor: ,459
3. **Akter, S.**, Bennett, J., Ward, M.B. (2012):
Climate change scepticism and public support for mitigation: Evidence from an Australian choice experiment
Glob. Environ. Change **22** (3), 736 - 745
Impact Factor: 6,868
4. Alfreider, A., Schirmer, M., **Vogt, C.** (2012):
Diversity and expression of different forms of RubisCO genes in polluted groundwater under different redox conditions
FEMS Microbiol. Ecol. **79** (3), 649 - 660
Impact Factor: 3,408
5. Alfreider, A., **Vogt, C.** (2012):
Genetic evidence for bacterial chemolithoautotrophy based on the reductive tricarboxylic acid cycle in groundwater systems
Microbes Environ. **27** (2), 209 - 214
Impact Factor: 1,906
6. **Al-Mushaikhi, K.** S. A., Oswald, S., Attinger, S., Büchel, G., Knöller, K., Strauch, G. (2012):
Evaluation of groundwater dynamics and quality in the Najd aquifers located in the Sultanate of Oman
Environ. Earth Sci. **66** (4), 1195 - 1211
Impact Factor: 1,059
7. Alonso, C., **Musat, N.**, Kuypers, M.M.M., Amann, R. (2012):
HISH–SIMS analysis of bacterial uptake of algal-derived carbon in the Río de la Plata estuary
Syst. Appl. Microbiol. **35** (8), 541 - 548
Impact Factor: 3,366

8. **Altdorff, D., Dietrich, P.** (2012):
Combination of electromagnetic induction and gamma spectrometry using K-means clustering: a study for evaluation of site partitioning
J. Plant Nutr. Soil Sci. **175** (3), 345 - 354
Impact Factor: 1,596
9. **Altenburger, R., Scholz, S., Schmitt-Jansen, M., Busch, W., Escher, B.I.** (2012):
Mixture toxicity revisited from a toxicogenomic perspective
Environ. Sci. Technol. **46** (5), 2508 - 2522
Impact Factor: 5,228
10. **Anadón, J.D., Giménez, A., Graciá, E., Pérez, I., Ferrández, M., Fahd, S., El, Mouden, Kalboussi, M., Jdeidi, T., Larbes, S., Rouag, R., Slimani, T., Znari, M., Fritz, U.** (2012):
Distribution of *Testudo graeca* in the western Mediterranean according to climatic factors
Amphib. Reptil. **33** (2), 285 - 296
Impact Factor: 1,056
11. Arens, L., **Thulke, H.-H., Eisinger, D.**, Theuvsen, L. (2012):
Administrative cooperation and disease control in cross-border pork production
Food Policy **37** (4), 473 - 482
Impact Factor: 2,054
12. Arroyo-Abad, U., **Mattusch, J., Möder, M., Elizalde-Gonzales, M.P., Matysik, F.-M.** (2012):
Identification of degradation products of phenylarsonic acid and *o*-arsanilic acid in contact with suspensions of soils of volcanic origin
Talanta **99** , 310 - 315
Impact Factor: 3,794
13. Artigas, J., Arts, G., Babut, M., Caracciolo, A.B., Charles, S., Chaumot, A., Combourieu, B., Dahllöf, I., Despréaux, D., Ferrari, B., Friberg, N., Garric, J., Geffard, O., Gourlay-Francé, C., **Hein, M., Hjorth, M., Krauss, M., De Lange, H.J., Lahr, J., Lehtonen, K.K., Lettieri, T., Liess, M., Loftis, S., Mayer, P., Morin, S., Paschke, A., Svendsen, C., Usseglio-Polatera, P., van den Brink, N., Vindimian, E., Williams, R.** (2012):
Towards a renewed research agenda in ecotoxicology
Environ. Pollut. **160** (1), 201 - 206
Impact Factor: 3,746
14. Arukwe, A., Eggen, T., **Möder, M.** (2012):
Solid waste deposits as a significant source of contaminants of emerging concern to the aquatic and terrestrial environments — a developing country case study from Owerri, Nigeria
Sci. Total Environ. **438** , 94 - 102
Impact Factor: 3,286

15. Azócar, L., Ciudad, G., **Heipieper, H.-J.**, Muñoz, R., Navia, R. (2012):
Lipase-catalyzed process in an anhydrous medium with enzyme reutilization to produce biodiesel with low acid value
J. Biosci. Bioeng. **112** (6), 583 - 589
Impact Factor: 1,793
16. **Baborowski, M., Büttner, O., Morgenstern, P.**, Jancke, T., Westrich, B. (2012):
Spatial variability of metal pollution in groyne fields of the Middle Elbe – implications for sediment monitoring
Environ. Pollut. **167** , 115 - 123
Impact Factor: 3,746
17. **Baborowski, M.**, Simeonov, V., Einax, J.W. (2012):
Assessment of water quality in the Elbe River at flood water conditions based on cluster analysis, principle components analysis and source apportionment
CLEAN-Soil Air Water **40** (4), 373 - 380
Impact Factor: 2,177
18. **Banitz, T., Johst, K., Wick, L.Y., Fetzer, I., Harms, H., Frank, K.** (2012):
The relevance of conditional dispersal for bacterial colony growth and biodegradation
Microp. Ecol. **63** (2), 339 - 347
Impact Factor: 2,912
19. Bartolomé, J., Bartolomé, F., García, L.M., Figueroa, A.I., Repollés, A., Martínez-Pérez, M.J., Luis, F., Magén, C., Selenska-Pobell, S., Pobell, F., **Reitz, T.**, Schönenmann, R., Herrmannsdörfer, T., Merroun, M., Geissler, A., Wilhelm, F., Rogalev, A. (2012):
Strong paramagnetism of gold nanoparticles deposited on a *Sulfolobus acidocaldarius* S layer
Phys. Rev. Lett. **109** (24), 247203
Impact Factor: 7,37
20. Bastian, O., **Haase, D.**, Grunewald, K. (2012):
Ecosystem properties, potentials and services - the EPPS conceptual framework and an urban application example
Ecol. Indic. **21** , 7 - 16
Impact Factor: 2,695
21. **Bastida, F., Algorta, C.**, Hernández, T., García, C. (2012):
Feasibility of a cell separation-proteomic based method for soils with different edaphic properties and microbial biomass
Soil Biol. Biochem. **45** , 136 - 138
Impact Factor: 3,504

22. Bauer, S., Class, H., Ebert, M., Feeser, V., Götze, H., Holzheid, A., **Kolditz, O.**, Rosenbaum, S., Rabbel, W., Schäfer, D., Dahmke, A. (2012): Modeling, parameterization and evaluation of monitoring methods for CO₂ storage in deep saline formations: the CO₂-MoPa project
Environ. Earth Sci. **67** (2), 351 - 367
Impact Factor: 1,059
23. Bäuerlein, P.S., ter Laak, T.L., Hofman-Caris, R.C.H.M., de Voogt, P., **Droge, S.T.J.** (2012): Removal of charged micropollutants from water by ion-exchange polymers – effects of competing electrolytes
Water Res. **46** (16), 5009 - 5018
Impact Factor: 4,865
24. **Baumgarten, T.**, Sperling, S., **Seifert, J.**, **von Bergen, M.**, Steiniger, F., **Wick, L.Y.**, **Heipieper, H.J.** (2012): Membrane vesicle formation as multiple stress response mechanism enhances cell surface hydrophobicity and biofilm formation of *Pseudomonas putida* DOT-T1E
Appl. Environ. Microb. **78** (17), 6217 - 6224
Impact Factor: 3,829
25. **Baumgarten, T.**, Vazquez, J., **Bastisch, C.**, Veron, W., Feuilloley, M.G.J., Nietzsche, S., **Wick, L.Y.**, **Heipieper, H.-J.** (2012): Alkanols and chlorophenols cause different physiological adaptive responses on the level of cell surface properties and membrane vesicle formation in *Pseudomonas putida* DOT-T1E
Appl. Microbiol. Biotechnol. **93** (2), 837 - 845
Impact Factor: 3,425
26. Beck, J., Ballesteros-Mejia, L., **Buchmann, C.M.**, Dengler, J., Fritz, S., **Gruber, B.**, Hof, C., Jansen, F., **Knapp, S.**, Kreft, H., Schneider, A.-K., **Winter, M.**, **Dormann, C.F.** (2012): What's on the horizon for macroecology?
Ecography **35** (8), 673 - 683
Impact Factor: 4,188
27. **Beck, S.** (2012): Book review: "Pieper, Marianne, Thomas Atzert, Serhat Karakayali und Vassilis Tsianos (Hrsg.): Biopolitik in der Debatte. Wiesbaden: VS Verlag für Sozialwissenschaften 2011. 345 Seiten. ISBN : 978-3-531-15497-8. Preis: € 39,95"
Köln. Z. Soziol. Sozialpsych. **64** (2), 397 - 423
Impact Factor: ,513

28. **Beck, S.** (2012):
Between tribalism and trust: the IPCC under the ‘public microscope’
Nat. Cult. **7** (2), 151 - 173
Impact Factor: ,514
29. **Beckmann, M.**, Hock, M., Bruelheide, H., Erfmeier, A. (2012):
The role of UV-B radiation in the invasion of *Hieracium pilosella* - comparison of German and New Zealand plants
Environ. Exp. Bot. **75** , 173 - 180
Impact Factor: 2,985
30. **Beckmann, M.**, von Wehrden, H. (2012):
Where you search is what you get: literature mining – Google Scholar versus Web of Science using a data set from a literature search in vegetation science
J. Veg. Sci. **23** (6), 1197 - 1199
Impact Factor: 2,77
31. **Beketov, M.A.**, Liess, M. (2012):
Ecotoxicology and macroecology - time for integration
Environ. Pollut. **162** , 247 - 254
Impact Factor: 3,746
32. Bessler, H., Oelmann, Y., **Roscher, C.**, Buchmann, N., Scherer-Lorenzen, M., Schulze, E.-D., Temperton, V.M., Wilcke, W., Engels, C. (2012):
Nitrogen uptake by grassland communities: contribution of N₂ fixation, facilitation, complementarity, and species dominance
Plant Soil **358** (1-2), 301 - 322
Impact Factor: 2,733
33. Bezirci, G., Akkas, S.B., **Rinke, K.**, Yildirim, F., Kalaylioglu, Z., Severcan, F., Beklioglu, M. (2012):
Impacts of salinity and fish-exuded kairomone on the survival and macromolecular profile of *Daphnia pulex*
Ecotoxicology **21** (2), 601 - 614
Impact Factor: 2,355

34. Birkhofer, K., Schöning, I., Alt, F., Herold, N., Klärner, B., Maraun, M., Marhan, S., Oelmann, Y., **Wubet, T.**, Yurkov, A., Begerow, D., Berner, D., Buscot, F., Daniel, R., Diekötter, T., Ehnes, R.B., Erdmann, G., Fischer, C., Foesel, B., Groh, J., **Gutknecht, J.**, Kandeler, E., Lang, C., Lohaus, G., Meyer, A., Nacke, H., Näther, A., Overmann, J., Polle, A., Pollierer, M.M., Scheu, S., Schloter, M., Schulze, E.-D., Schulze, W., Weinert, J., Weisser, W.W., Wolters, V., Schrumpf, M. (2012): General relationships between abiotic soil properties and soil biota across spatial scales and different land-use types
PLoS One **7** (8), e43292
Impact Factor: 4,092
35. Blaszkowski, J., **Kovacs, G.M.**, Gaspar, B., Balazs, T., Buscot, F., Ryszka, P. (2012): The arbuscular mycorrhizal *Paraglomus majewskii* sp. nov. represents a distinct basal lineage in Glomeromycota
Mycologia **104** (1), 148 - 156
Impact Factor: 2,031
36. **Bleicher, A.** (2012):
Book review: "Douglas Clyde Wilson The Paradoxes of Transparency: Science and the Ecosystem Approach to Fisheries Management in Europe. Amsterdam: Amsterdam University Press, 2009. 304 pp. ISBN 978-90-8964-060-4, €39.50 (pbk)"
Public Underst. Sci. **21** (2), 254
Impact Factor: 1,866
37. **Bleicher, A.** (2012):
Entscheiden trotz Nichtwissen. Das Beispiel der Sanierung kontaminierten Flächen [Decision making in spite of ignorance. The revitalization of contaminated areas]
Soz. Welt **63** (2), 97 - 115
Impact Factor: ,484
38. **Bleyl, S., Kopinke, F.-D., Mackenzie, K.** (2012):
Carbo-Iron®—Synthesis and stabilization of Fe(0)-doped colloidal activated carbon for in situ groundwater treatment
Chem. Eng. J. **191** , 588 - 595
Impact Factor: 3,461
39. Bloem, E., de Gee, M., **de Rooij, G.H.** (2012):
Parameterizing the leaching surface by combining curve-fitting for solute breakthrough and for spatial solute distribution
Transp. Porous Media **92** (3), 667 - 685
Impact Factor: 1,811

40. Blüthgen, N., Dormann, C.F., Prati, D., Klaus, V.H., Kleinebecker, T., Hölzel, N., Alt, F., Boch, S., Gockel, S., Hemp, A., Müller, J., Nieschulze, J., Renner, S.C., Schöning, I., Schumacher, U., Socher, S.A., Wells, K., Birkhofer, K., **Buscot, F.**, Oelmann, Y., Rothenwörer, C., Scherber, C., Tscharntke, T., Weiner, C.N., Fischer, M., Kalko, E.K.V., Linsenmair, K.E., Schulze, E.D., Weisser, W.W. (2012): A quantitative index of land-use intensity in grasslands: integrating mowing, grazing and fertilization
Basic Appl. Ecol. **13** (3), 207 - 220
Impact Factor: 2,669
41. **Bocaniov, S.**, Schiff, S.L., Smith, R.E.H. (2012): Plankton metabolism and physical forcing in a productive embayment of a large oligotrophic lake: insights from stable oxygen isotopes
Freshw. Biol. **57** (3), 481 - 496
Impact Factor: 3,29
42. Bocedi, G., **Pe'er, G.**, Heikkinen, R.K., **Matsinos, Y.**, Travis, M.J. (2012): Projecting species' range expansion dynamics: sources of systematic biases when scaling up patterns and processes
Methods Ecol. Evol. **3** (6), 1008 - 1018
Impact Factor: 5,093
43. Bogena, H., Kunkel, R., Pütz, T., Vereecken, H., **Krüger, E.**, **Zacharias, S.**, **Dietrich, P.**, **Wollschläger, U.**, Kunstmann, H., Papen, H., Schmid, H.P., Munch, J.C., Priesack, E., Schwank, M., Bens, O., Brauer, A., Borg, E., Hajnsek, I. (2012): TERENO - Ein langfristiges Beobachtungsnetzwerk für die terrestrische Umweltforschung. TERENO - Long-term monitoring network for terrestrial environmental research
Hydrol. Wasserbewirtsch. **56** (3), 138 - 143
Impact Factor: ,404
44. Bohling, G.C., Liu, G., Knobbe, S., **Reboulet, E.**, Hyndman, D.W., **Dietrich, P.**, Butler, J.J. (2012): Geostatistical analysis of centimeter-scale hydraulic conductivity variations at the MADE site
Water Resour. Res. **48** (2), W02525
Impact Factor: 2,957
45. **Borsdorf, H.**, **Mayer, T.** (2012): Temperature dependence of ion mobility signals of halogenated compounds
Talanta **101** , 17 - 23
Impact Factor: 3,794

46. **Böttcher, N., Singh, A.K., Kolditz, O.**, Liedl, R. (2012):
Non-isothermal, compressible gas flow for the simulation of an enhanced gas recovery application
J. Comput. Appl. Math. **236** (18), 4933 - 4943
Impact Factor: 1,112
47. **Boyacioglu, H.**, Vetter, T., Krysanova, V., **Rode, M.** (2012):
Modeling the impacts of climate change on nitrogen retention in a 4th order stream
Clim. Change **113** (3-4), 981 - 999
Impact Factor: 3,385
48. **Bozinovski, D., Herrmann, S., Richnow, H.-H., von Bergen, M., Seifert, J., Vogt, C.** (2012):
Functional analysis of an anaerobic *m*-xylene-degrading enrichment culture using protein-based stable isotope probing
FEMS Microbiol. Ecol. **81** (1), 134 - 144
Impact Factor: 3,408
49. **Brabender, M.**, Kiss, A.K., Domonell, A., Nitsche, F., Arndt, H. (2012):
Phylogenetic and morphological diversity of novel soil cercomonad species with a description of two new genera (*Nucleocercomonas* and *Metabolomonas*)
Protist **163** (4), 495 - 528
Impact Factor: 3,136
50. **Braeckeveldt, M., Fischer, A., Kästner, M.** (2012):
Field applicability of Compound-Specific Isotope Analysis (CSIA) for characterization and quantification of in situ contaminant degradation in aquifers
Appl. Microbiol. Biotechnol. **94** (6), 1401 - 1421
Impact Factor: 3,425
51. Brauchler, R., Doetsch, J., **Dietrich, P.**, Sauter, M. (2012):
Derivation of site-specific relationships between hydraulic parameters and p-wave velocities based on hydraulic and seismic tomography
Water Resour. Res. **48**, W03531
Impact Factor: 2,957
52. **Breulmann, M., Schulz, E., Weißhuhn, K.**, Buscot, F. (2012):
Impact of the plant community composition on labile soil organic carbon, soil microbial activity and community structure in semi-natural grassland ecosystems of different productivity
Plant Soil **352** (1-2), 253 - 265
Impact Factor: 2,733

53. Brooker, R.W., Matesanz, S., Valladares, F., **Klotz, S.** (2012):
Long-term spatial pattern change in a semi-arid plant community: the role of climate and composition
Acta Oecol. - Int. J. Ecol. **45**, 8 - 15
Impact Factor: 1,57
54. Brunner, F., **Radu, F.A.**, Bause, M., Knabner, P. (2012):
Optimal order convergence of a modified BDM1 mixed finite element scheme for reactive transport in porous media
Adv. Water Resour. **35**, 163 - 171
Impact Factor: 2,449
55. Buchholz, F., Lerchner, J., Mariana, F., **Kuhlicke, U.**, **Neu, T.R.**, **Harms, H.**, **Maskow, T.** (2012):
Chip-calorimetry provides real time insights into the inactivation of biofilms by predatory bacteria
Biofouling **28** (3), 351 - 362
Impact Factor: 4,429
56. Buchner, J.S., **Wollschläger, U.**, Roth, K. (2012):
Inverting surface GPR data using FDTD simulation and automatic detection of reflections to estimate subsurface water content and geometry
Geophysics **77** (4), H45 - H55
Impact Factor: 1,418
57. Buetof, A., von Riedmatten, L.R., **Dormann, C.F.**, Scherer-Lorenzen, M., Welk, E., Bruelheide, H. (2012):
The responses of grassland plants to experimentally simulated climate change depend on land use and region
Glob. Change Biol. **18** (1), 127 - 137
Impact Factor: 6,862
58. **Bumberger, J.**, Radny, D., Berndsen, A., **Goblirsch, T.**, **Flachowsky, J.**, **Dietrich, P.** (2012):
Carry-over effects of the membrane interface probe
Ground Water **50** (4), 578 - 584
Impact Factor: 1,785
59. Burkhard, B., de Groot, R., Costanza, R., **Seppelt, R.**, Jørgensen, S.E., Potschin, M. (2012):
Solutions for sustaining natural capital and ecosystem services
Ecol. Indic. **21**, 1 - 6
Impact Factor: 2,695

60. **Büttner, A., Busch, W., Klüver, N., Giannis, A., Scholz, S.** (2012):
Transcriptional responses of zebrafish embryos exposed to potential sonic hedgehog pathway interfering compounds deviate from expression profiles of cyclopamine
Reprod. Toxicol. **33** (2), 254 - 263
Impact Factor: 3,226
61. Buytaert, W., **Friesen, J.**, Liebe, J., Ludwig, R. (2012):
Assessment and management of water resources in developing, semi-arid and arid regions
Water Resour. Manag. **26** (4), 841 - 844
Impact Factor: 2,054
62. **Calabrese, J.M.** (2012):
How emergence and death assumptions affect count-based estimates of butterfly abundance and lifespan
Popul. Ecol. **54** (3), 431 - 442
Impact Factor: 2,287
63. Callaghan, A.V., **Morris, B.E.L.**, Pereira, I.A.C., McInerney, M.J., Austin, R.N., Groves, J.T., Kukor, J.J., Suflita, J.M., Young, L.Y., Zylstra, G.J., Wawrik, B. (2012):
The genome sequence of *Desulfatibacillum alkenivorans* AK-01: a blueprint for anaerobic alkane oxidation
Environ. Microbiol. **14** (1), 101 - 113
Impact Factor: 5,843
64. Cassiani, G., Ursino, N., Deiana, R., Vignoli, G., Boaga, J., Rossi, M., Perri, M.T., Blaschek, M., Duttmann, R., Meyer, S., Ludwig, R., Soddu, A., **Dietrich, P.**, **Werban, U.** (2012):
Noninvasive monitoring of soil static characteristics and dynamic states: a case study highlighting vegetation effects on agricultural land
Vadose Zone J. **11** (3), 10.2136/vzj2011.0195
Impact Factor: 1,647
65. Castilla, A.R., **Wiegand, T.**, Alonso, C., Herrera, C.M. (2012):
Disturbance-dependent spatial distribution of sexes in a gynodioecious understory shrub
Basic Appl. Ecol. **13** (5), 405 - 413
Impact Factor: 2,669
66. Chen, Y., **Droge, S.T.J.**, Hermens, J.L.M. (2012):
Analyzing freely dissolved concentrations of cationic surfactant utilizing ion-exchange capability of polyacrylate coated solid-phase microextraction fibers
J. Chromatogr. A **1252** , 15 - 22
Impact Factor: 4,531

67. Chen, Y.-T., Borken, W., **Stange, C.F.**, Matzner, E. (2012):
Dynamics of nitrogen and carbon mineralization in a fen soil following water table
fluctuations
Wetlands **32** (3), 579 - 587
Impact Factor: 1,338
68. **Chen, Z., Kuschk, P., Reiche, N., Borsdorf, H., Kästner, M., Köser, H.** (2012):
Comparative evaluation of pilot scale horizontal subsurface-flow constructed wetlands
and plant root mats for treating groundwater contaminated with benzene and MTBE
J. Hazard. Mater. **209-210** , 510 - 515
Impact Factor: 4,173
69. **Chen, Z., Wu, S., Braeckeveldt, M., Paschke, H., Kästner, M., Köser, H., Kuschk, P.**
(2012):
Effect of vegetation in pilot-scale horizontal subsurface flow constructed wetlands
treating sulphate rich groundwater contaminated with a low and high chlorinated
hydrocarbon
Chemosphere **89** (6), 724 - 731
Impact Factor: 3,206
70. Chytrý, M., Wild, J., Pyšek, P., Jarosík, V., Dendoncker, N., Reginster, I., Pino, J.,
Maskell, L.C., Vilà, M., Pergl, J., **Kühn, I., Spangenberg, J.H., Settele, J.** (2012):
Projecting trends in plant invasions in europe under different scenarios of future land-use
change
Glob. Ecol. Biogeogr. **21** (1), 75 - 87
Impact Factor: 5,145
71. Ciais, P., Tagliabue, A., **Cuntz, M.**, Bopp, L., Scholze, M., Hoffmann, G., Lourantou, A.,
Harrison, S.P., Prentice, I.C., Kelley, D.I., Koven, C., Piao, S.L. (2012):
Large inert carbon pool in the terrestrial biosphere during the Last Glacial Maximum
Nat. Geosci. **5** (1), 74 - 79
Impact Factor: 11,754
72. **Cipriotti, P.A., Aguiar, M.R., Wiegand, T., Paruelo, J.M.** (2012):
Understanding the long term spatial dynamics of a semiarid grass-shrub steppe through
inverse parameterization for simulation models
Oikos **121** (6), 848 - 861
Impact Factor: 3,061
73. Clegg, M.R., Gaedke, U., **Boehrer, B.**, Spijkerman, E. (2012):
Complementary ecophysiological strategies combine to facilitate survival in the hostile
conditions of a deep chlorophyll maximum
Oecologia **169** (3), 609 - 622
Impact Factor: 3,412

74. Coors, A., Dobrick, J., **Möder, M.**, Kehrer, A. (2012):
Mixture toxicity of wood preservative products in the fish embryo toxicity test
Environ. Toxicol. Chem. **31** (6), 1239 - 1248
Impact Factor: 2,809
75. Cortés-Avizanda, A., **Jovani, R.**, Carrete, M., Donázar, J.A. (2012):
Resource unpredictability promotes species diversity and coexistence in an avian
scavenger guild: a field experiment
Ecology **93** (12), 2570 - 2579
Impact Factor: 4,849
76. DasSarma, P., Zamora, R.C., **Müller, J.A.**, DasSarma, S. (2012):
Genome-wide responses of the model Archaeon Halobacterium sp. strain NRC-1 to
oxygen limitation
J. Bacteriol. **194** (20), 5530 - 5537
Impact Factor: 3,825
77. **De Biase, C.**, Maier, U., Baeder-Bederski, O., Bayer, P., **Oswald, S.**, **Thullner, M.**
(2012):
Removal of volatile organic compounds in vertical flow filters: predictions from reactive
transport modeling
Ground Water Monit. Remediat. **32** (2), 106 - 121
Impact Factor: ,947
78. **de Rooij, G.H.** (2012):
Transient flow between aquifers and surface water: analytically derived field-scale
hydraulic heads and fluxes
Hydrol. Earth Syst. Sci. **16** (3), 649 - 669
Impact Factor: 3,148
79. Deffuant, G., Barreteau, O., de Vries, B., Edmonds, B., Gilbert, N., Gotts, F.,
Jabot, F., Janssen, S., Hilden, M., **Kolditz, O.**, Murray-Rust, D., Rougé, C., Smits, P.
(2012):
Data and models for exploring sustainability of human well-being in global
environmental change
Eur. Phys. J.-Spec. Top. **214** (1), 519 - 545
Impact Factor: 1,562
80. **Delfs, J.O.**, Blumensaat, F., **Wang, W.**, Krebs, P., **Kolditz, O.** (2012):
Coupling hydrogeological with surface runoff model in a Poltva case study in Western
Ukraine
Environ. Earth Sci. **65** (5), 1439 - 1457
Impact Factor: 1,059

81. Demyan, M.S., Rasche, F., **Schulz, E.**, **Breulmann, M.**, Müller, T., Cadisch, G. (2012): Use of specific peaks obtained by diffuse reflectance Fourier transform mid-infrared spectroscopy to study the composition of organic matter in a Haplic Chernozem
Eur. J. Soil Sci. **63** (2), 189 - 199
Impact Factor: 2,34
82. Devictor, V., van Swaay, C., Brereton, T., Brotons, L., Chamberlain, D., Heliola, J., Herrando, S., Julliard, R., Kuussaari, M., Lindstrom, A., Reif, J., Roy, D.B., **Schweiger, O.**, **Settele, J.**, Stefanescu, C., van Strien, A., Van Turnhout, C., Vermouzek, Z., WallisDeVries, M., Wynhoff, I., Jiguet, F. (2012): Differences in the climatic debts of birds and butterflies at a continental scale
Nat. Clim. Chang. **2** (2), 121 - 124
83. Devictor, V., van Swaay, C., Brereton, T., Brotons, L., Chamberlain, D., Heliölä, J., Herrando, S., Julliard, R., Kuussaari, M., Lindström, Å., Reif, J., Roy, D.B., **Schweiger, O.**, **Settele, J.**, Stefanescu, C., van Strien, A., Van Turnhout, C., Vermouzek, Z., WallisDeVries, M., Wynhoff, I., Jiguet, F. (2012): Uncertainty in thermal tolerances and climatic debt - reply
Nat. Clim. Chang. **2** (9), 638 - 639
84. **Dietz, S.**, Lessmann, D., **Boehrer, B.** (2012): Contribution of solutes to density stratification in a meromictic lake (Waldsee/Germany)
Mine Water Environ. **31** (2), 129 - 137
Impact Factor: ,615
85. Dietze, M., **Dietrich, P.** (2012): Evaluation of vertical variations in hydraulic conductivity in unconsolidated sediments
Ground Water **50** (3), 450 - 456
Impact Factor: 1,785
86. **Dislich, C.**, **Huth, A.** (2012): Modelling the impact of shallow landslides on forest structure in tropical montane forests
Ecol. Model. **239** , 40 - 53
Impact Factor: 2,326
87. Docherty, K.M., Balser, T.C., Bohannan, B.M.J., **Gutknecht, J.L.M.** (2012): Soil microbial responses to fire and interacting global change factors in a California annual grassland
Biogeochemistry **109** (1-3), 63 - 83
Impact Factor: 3,069

88. Docherty, K.M., **Gutknecht, J.L.M.** (2012):
The gate keepers in a changing world: integrating microbial diversity and dynamics with
global change biology
Biogeochemistry **109** (1-3), 131
Impact Factor: 3,069
89. Docherty, K.M., **Gutknecht, J.L.M.** (2012):
The role of environmental microorganisms in ecosystem responses to global change:
current state of research and future outlooks
Biogeochemistry **109** (1-3), 1 - 6
Impact Factor: 3,069
90. Donose, B.C., **Harnisch, F.**, Taran, E. (2012):
Electrochemically produced hydrogen bubbleprobes for gas evolution kinetics and force
spectroscopy
Electrochim. Commun. **24** , 21 - 24
Impact Factor: 4,859
91. Doppler, T., Camenzuli, L., Hirzel, G., **Krauss, M.**, Lück, A., Stamm, C. (2012):
Spatial variability of herbicide mobilisation and transport at catchment scale: insights
from a field experiment
Hydrol. Earth Syst. Sci. **16** , 1947 - 1967
Impact Factor: 3,148
92. **Dormann, C.F.**, Schymanski, S.J., Cabral, J., Chuine, I., Graham, C., **Hartig, F.**,
Kearney, M., Morin, X., Römermann, C., Schröder, B., **Singer, A.** (2012):
Correlation and process in species distribution models: bridging a dichotomy
J. Biogeogr. **39** (12), 2119 - 2131
Impact Factor: 4,544
93. **Droge, S., Goss, K.-U.** (2012):
Effect of sodium and calcium cations on the ion-exchange affinity of organic cations for
soil organic matter
Environ. Sci. Technol. **46** (11), 5894 - 5901
Impact Factor: 5,228
94. **Durka, W., Michalski, S.G.** (2012):
Daphne: a dated phylogeny of a large European flora for phylogenetically informed
ecological analyses
Ecology **93** (10), 2297
Impact Factor: 4,849

95. **Ebeling, S.K.**, Schreiter, S., Hensen, I., **Durka, W.**, **Auge, H.** (2012):
Outcrossing breeding system does not compromise invasiveness in *Buddleja davidii*
Flora **207** (12), 843 - 848
Impact Factor: 1,639
96. Eberle, D.G., **Paasche, H.** (2012):
Integrated data analysis for mineral exploration: A case study of clustering satellite
imagery, airborne gamma-ray, and regional geochemical data suites
Geophysics **77** (4), B167 - B176
Impact Factor: 1,418
97. Eden, M., Moldrup, P., Schjonning, P., **Vogel, H.-J.**, Scow, K.M., de Jonge, L.W. (2012):
Linking soil physical parameters along a density gradient in a loess-soil long-term
experiment
Soil Sci. **177** (1), 1 - 11
Impact Factor: 1,144
98. **Eichhorn, M.**, **Johst, K.**, **Seppelt, R.**, **Drechsler, M.** (2012):
Model-based estimation of collision risks of predatory birds with wind turbines
Ecol. Soc. **17** (2), Art. 1
Impact Factor: 2,516
99. **Endo, S.**, Bauerfeind, J., **Goss, K.-U.** (2012):
Partitioning of neutral organic compounds to structural proteins
Environ. Sci. Technol. **46** (22), 12697 - 12703
Impact Factor: 5,228
100. **Endo, S.**, Mewburn, B., Escher, B.I. (2012):
Liposome and protein–water partitioning of polybrominated diphenyl ethers (PBDEs)
Chemosphere **90** (2), 505 - 511
Impact Factor: 3,206
101. **Endo, S.**, **Pfennigsdorff, A.**, **Goss, K.-U.** (2012):
Salting-out effect in aqueous NaCl solutions: trends with size and polarity of solute
molecules
Environ. Sci. Technol. **46** (3), 1496 - 1503
Impact Factor: 5,228
102. Entling, M.H., **Schweiger, O.**, Bacher, S., Espadaler, X., Hickler, T., Kumschick, S.,
Woodcock, B.A., Nentwig, W. (2012):
Species richness-environment relationships of European arthropods at two spatial grains:
habitats and countries
PLoS One **7** (9), e45875
Impact Factor: 4,092

103. **Eppink, F.V., Werntze, A., Mäs, S., Popp, A., Seppelt, R.** (2012):
Land management and ecosystem services. How collaborative research programmes can support better policies
GAIA **21** (1), 55 - 63
Impact Factor: ,638
104. **Erken, M., Farrenschon, N., Speckmann, S., Arndt, H., Weitere, M.** (2012):
Quantification of individual flagellate - bacteria interactions within semi-natural biofilms
Protist **163** (4), 632 - 642
Impact Factor: 3,136
105. Essl, F., **Winter, M., Pyšek, P.** (2012):
Biodiversity: Trade threat could be even more dire
Nature **487** (7405), 39 - 39
Impact Factor: 36,28
106. Fayolle-Guichard, F., Durand, J., Cheucle, M., **Rosell, M., Michelland, R.J., Tracol, J.-P., Le Roux, F., Grundman, G, Atteia, O., Richnow, H.H., Dumestre, A., Benoit, Y.** (2012):
Study of an aquifer contaminated by ethyl tert-butyl ether (ETBE): Site characterization and on-site bioremediation
J. Hazard. Mater. **201-202** , 236 - 243
Impact Factor: 4,173
107. Fedotov, P.S., Kördel, W., Miró, M., Peijnenburg, W.J.G.M., **Wennrich, R., Huang, P.M.** (2012):
Extraction and fractionation methods for exposure assessment of trace metals, metalloids and hazardous organic compounds in terrestrial environments
Crit. Rev. Environ. Sci. Technol. **42** (11), 1117 - 1171
Impact Factor: 4,841
108. Fedotov, P.S., **Savonina, E.Y., Spivakov, B.Y., Wennrich, R.** (2012):
Possibilities for the harmonization of methods of the dynamic fractionation of elements in soils and bottom sediments
J. Anal. Chem. **67** (10), 851 - 861
Impact Factor: ,747
109. Fedotov, P.S., **Savonina, E.Y., Wennrich, R.** (2012):
Fractionation of Sb and As in soil and sludge samples using different continuous-flow extraction techniques
Anal. Bioanal. Chem. **403** (5), 1441 - 1449
Impact Factor: 3,778

110. **Feisthauer, S., Seidel, M., Bombach, P., Traube, S., Knöller, K., Wange, M., Fachmann, S., Richnow, H.H.** (2012): Characterization of the relationship between microbial degradation processes at a hydrocarbon contaminated site using isotopic methods
J. Contam. Hydrol. **133**, 17 - 29
Impact Factor: 2,324
111. Fensholt, R., Langanke, T., Rasmussen, K., Reenberg, A., Prince, S.D., Tucker, C., Scholes, R.J., Le, Q.B., Bondeau, A., Eastman, R., Epstein, H., Gaughan, A.E., Hellden, U., Mbow, C., Olsson, L., Paruelo, J., Schweitzer, C., Seaquist, J., Wessels, K. (2012): Greenness in semi-arid areas across the globe 1981–2007 — an Earth Observing Satellite based analysis of trends and drivers
Remote Sens. Environ. **121** (June 2012), 144 - 158
Impact Factor: 4,574
112. Fida, T.T., Breugelmans, P., Lavigne, R., Coronado, E., Johnson, D.R., van der Meer, J.R., Mayer, A.P., **Heipieper, H.J.**, Hofkens, J., Springael, D. (2012): Exposure to solute stress affects genome-wide expression but not the PAH-degrading activity of *Sphingomonas* sp. LH128 in biofilms
Appl. Environ. Microb. **78** (23), 8311 - 8320
Impact Factor: 3,829
113. Flach, K., Hilbrich, I., Schiffmann, A., Gärtner, U., Krüger, M., Leonhardt, M., Waschipky, H., **Wick, L.**, Arendt, T., Holzer, M. (2012): Tau oligomers impair artificial membrane integrity and cellular viability
J. Biol. Chem. **287** (52), 43223 - 43233
Impact Factor: 4,773
114. Flörke, M., **Bärlund, I.**, Kynast, E. (2012): Will climate change affect the electricity production sector? A European study
J. Water Clim. Change **3** (1), 44 - 54
Impact Factor: 2,167
115. **Foit, K., Kaske, O., Liess, M.** (2012): Competition increases toxicant sensitivity and delays the recovery of two interacting populations
Aquat. Toxicol. **106–107**, 25 - 31
Impact Factor: 3,761
116. **Foit, K., Kaske, O., Wahrendorf, D.-S., Duquesne, S., Liess, M.** (2012): Automated Nanocosm test system to assess the effects of stressors on two interacting populations
Aquat. Toxicol. **109**, 243 - 249
Impact Factor: 3,761

117. Franz, C., Makeschin, F., Roig, H., **Schubert, M.**, Weiss, H., Lorz, C. (2012):
Sediment characteristics and sedimentations rates of a small river in Western Central
Brazil
Environ. Earth Sci. **65** (5), 1601 - 1611
Impact Factor: 1,059
118. **Franzén, M.**, Betzholtz, P.-E. (2012):
Species traits predict island occupancy in noctuid moths
J. Insect Conserv. **16** (2), 155 - 163
Impact Factor: 1,688
119. **Franzén, M.**, Molander, M. (2012):
How threatened are alpine environments? a cross taxonomic study
Biodivers. Conserv. **21** (2), 517 - 526
Impact Factor: 2,238
120. **Franzén, M.**, Nilsson, S.G. (2012):
Climate-dependent dispersal rates in metapopulations of burnet moths
J. Insect Conserv. **16** (6), 941 - 947
Impact Factor: 1,688
121. **Franzén, M.**, Öckinger, E. (2012):
Climate-driven changes in pollinator assemblages during the last 60 years in an Arctic
mountain region in Northern Scandinavia
J. Insect Conserv. **16** (2), 227 - 238
Impact Factor: 1,688
122. **Franzén, M.**, Schweiger, O., Betzholtz, P.-E. (2012):
Species-area relationships are controlled by species traits
PLoS One **7** (5), e37359
Impact Factor: 4,092
123. Frei, S., Knorr, K.-H., Peiffer, S., **Fleckenstein, J.H.** (2012):
Surface micro-topography causes hot spots of biogeochemical activity in wetland
systems: a virtual modeling experiment
J. Geophys. Res. **117**, G00N12
Impact Factor: 3,021
124. **Friesen, J.**, Steele-Dunne, S.C., van de Giesen, N. (2012):
Diurnal differences in global ERS scatterometer backscatter observations of the land
surface
IEEE Trans. Geosci. Remote Sensing **50** (7), 2595 - 2602
Impact Factor: 2,895

125. Frohne, T., Rinklebe, J., Langer, U., Du Laing, G., **Mothes, S.**, **Wennrich, R.** (2012): Biogeochemical factors affecting mercury methylation rate in two contaminated floodplain soils
Biogeosciences **9** (1), 493 - 507
Impact Factor: 3,859
126. Frondel, M., **Lehmann, P.**, Wätzold, F. (2012): The impact of information on landowners' participation in voluntary conservation programs - theoretical considerations and empirical evidence from an agri-environment program in Saxony, Germany
Land Use Pol. **29** (2), 388 - 394
Impact Factor: 2,292
127. **Furuno, S.**, Foss, S., Wild, E., Jones, K.C., Semple, K.T., **Harms, H.**, **Wick, L.Y.** (2012): Mycelia promote active transport and spatial dispersion of polycyclic aromatic hydrocarbons
Environ. Sci. Technol. **46** (10), 5463 - 5470
Impact Factor: 5,228
128. Gaal, L., Szolgay, J., Kohnova, S., Parajka, J., **Merz, R.**, Viglione, A., Blöschl, G. (2012): Flood timescales: Understanding the interplay of climate and catchment processes through comparative hydrology
Water Resour. Res. **48** , W04511
Impact Factor: 2,957
129. Galic, N., **Schmolke, A.**, Forbes, V., Bavec, H., van den Brink, P.J. (2012): The role of ecological models in linking ecological risk assessment to ecosystem services in agroecosystems
Sci. Total Environ. **415** , 93 - 100
Impact Factor: 3,286
130. **Geisler, A.**, **Endo, S.**, **Goss, K.-U.** (2012): Partitioning of organic chemicals to storage lipids: elucidating the dependence on fatty acid composition and temperature
Environ. Sci. Technol. **46** (17), 9519 - 9524
Impact Factor: 5,228
131. **Gerisch, M.**, Agostinelli, V., **Henle, K.**, Dziack, F. (2012): More species, but all do the same: contrasting effects of flood disturbance on ground beetle functional and species diversity
Oikos **121** (4), 508 - 515
Impact Factor: 3,061

132. **Gerisch, M., Dziock, F., Schanowski, A., Ilg, C., Henle, K.** (2012):
Community resilience following extreme disturbances: the response of ground beetles to a severe summer flood in a Central European lowland stream
River Res. Appl. **28** (1), 81 - 92
Impact Factor: 2,028
133. **Getzin, S., Wiegand, K., Schöning, I.** (2012):
Assessing biodiversity in forests using very high-resolution images and unmanned aerial vehicles
Methods Ecol. Evol. **3** (2), 397 - 404
Impact Factor: 5,093
134. Gharasoo, M., **Centler, F.**, Regnier, P., **Harms, H.**, **Thullner, M.** (2012):
A reactive transport modeling approach to simulate biogeochemical processes in pore structures with pore-scale heterogeneities
Environ. Modell. Softw. **30** (1), 102 - 114
Impact Factor: 3,114
135. **Girardi, C., Greve, J., Lamshöft, M., Miltner, A., Schäffer, A., Kästner, M.** (2011):
Biodegradation of ciprofloxacin and its effect on microbial communities in soil and water systems
J. Hazard. Mater. **198** , 22 - 30
Impact Factor: 3,723
136. **Gonzalez-Olmos, R., Martin, M.J., Georgi, A., Kopinke, F.-D., Oller, I., Malato, S.** (2012):
Fe-zeolites as heterogeneous catalysts in solar Fenton-like reactions at neutral pH
Appl. Catal. B-Environ. **125** (August 2012), 51 - 58
Impact Factor: 5,625
137. Gottardo, S., Semenzin, E., Giove, S., Zabeo, A., Critto, A., de Zwart, D., Ginebreda, A., **von der Ohe, P.C.**, Marcomini, A. (2011):
Integrated risk assessment for WFD ecological status classification applied to Llobregat river basin (Spain). Part II — Evaluation process applied to five environmental lines of evidence
Sci. Total Environ. **409** (22), 4681 - 4692
Impact Factor: 3,19
138. **Grimm, V., Railsback, S.F.** (2012):
Pattern-oriented modelling: a ‘multi-scope’ for predictive systems ecology
Philos. Trans. R. Soc. B-Biol. Sci. **367** (1586), 298 - 310
Impact Factor: 6,401

139. **Großmann, K., Franck, U., Krüger, M., Schlink, U., Schwarz, N., Stark, K.** (2012): Soziale Dimensionen von Hitzebelastung in Großstädten. Social dimensions of heat-stress in cities
disP **48** (4), 56 - 68
140. **Gross, M.** (2012): Winds of change: the environmental movement and the global development of the wind energy industry
Contemp. Sociol. - J. Rev. **41** (2), 245 - 246
Impact Factor: ,172
141. **Gross, M.** (2012): 'Objective Culture' and the development of nonknowledge: Georg Simmel and the reverse side of knowing
Cult. Sociol. **6** (4), 422 - 437
Impact Factor: ,444
142. **Gross, M.** (2012): Book review: Mark Rouncefield, Peter Tolmie (eds), Ethnomethodology at Work, Ashgate: Farnham, 2011; 251 pp.: ISBN 9780754647713, £60.00
Int. Sociol. **27** (5), 698 - 700
Impact Factor: ,48
143. **Gross, M.** (2012): Book review: Rough roads to sustainability
Sci. Cult. **21** (3), 421 - 428
Impact Factor: ,37
144. Gruebner, O., Khan, M.M.H., **Lautenbach, S.**, Muller, D., Kramer, A., Lakes, T., Hostert, P. (2012): Mental health in the slums of Dhaka - a geo-epidemiological study
BMC Public Health **12:177**
Impact Factor: 1,997
145. Gulkowska, A., **Krauss, M.**, Rentsch, D., Hollender, J. (2012): Reactions of a sulfonamide antimicrobial with model humic constituents: assessing pathways and stability of covalent bonding
Environ. Sci. Technol. **46** (4), 2102 - 2111
Impact Factor: 5,228

146. **Gündel, U., Kalkhof, S., Zitzkat, D. P., von Bergen, M., Altenburger, R., Küster, E.** (2012):
Concentration-response concept in ecotoxicoproteomics: effects of different phenanthrene concentrations to the zebrafish (*Danio rerio*) embryo proteome
Ecotox. Environ. Safe. **76** (1), 11 - 22
Impact Factor: 2,294
147. Guo, H., Yao, J., Cai, M., Qian, Y., Guo, Y., **Richnow, H.H.**, Blake, R., Doni, S., Ceccanti, B. (2012):
Effects of petroleum contamination on soil microbial numbers, metabolic activity and urease activity
Chemosphere **87** (11), 1273 - 1280
Impact Factor: 3,206
148. Guo, H., **Yao, J., Chen, H.**, Wang, J., Masakorala, K., Jin, Y., **Richnow, H.H.** (2012):
Substrate interactions during biodegradation of benzene/alkylbenzene mixtures by *Rhodococcus* sp. ustb-1
Int. Biodegrad. Biodegrad. **75** , 124 - 130
Impact Factor: 2,074
149. **Gutiérrez, A.G., Huth, A.** (2012):
Successional stages of primary temperate rainforests of Chiloé Island, Chile
Perspect. Plant Ecol. Evol. Syst. **14** (4), 243 - 256
Impact Factor: 3,208
150. **Gutknecht, J.L.M.**, Field, C.B., Balser, T.C. (2012):
Microbial communities and their responses to simulated global change fluctuate greatly over multiple years
Glob. Change Biol. **18** (7), 2256 - 2269
Impact Factor: 6,862
151. Gutt, J., Zurell, D., Bracegridle, T.J., Cheung, W., Clark, M.S., Convey, P., Danis, B., De Broyer, C., di Prisco, G., Griffiths, H., Laffont, R., Peck, L.S., Pierrat, B., Riddle, M.J., Saucedo, T., Turner, J., Verde, C., Wang, Z., **Grimm, V.** (2012):
Correlative and dynamic species distribution modelling for ecological predictions in the Antarctic: a cross-disciplinary concept
Polar Res. **31** , 11091
Impact Factor: 1,616
152. **Haange, S.-B., Oberbach, A., Schlichting, N., Hugenholtz, F., Smidt, H., von Bergen, M., Till, H., Seifert, J.** (2012):
Metaproteome analysis and molecular genetics of rat intestinal microbiota reveals section and localisation resolved species distribution and enzymatic functionalities
J. Proteome Res. **11** (11), 5406 - 5417
Impact Factor: 5,113

153. **Haase, A., Großmann, K.**, Steinführer, A. (2012):
Transitory urbanites: new actors of residential change in Polish and Czech inner cities
Cities **29** (5), 318 - 326
Impact Factor: 1,143
154. **Haase, A.**, Herfert, G., **Kabisch, S.**, Steinführer, A. (2012):
Reurbanizing Leipzig (Germany): context conditions and residential actors (2000–2007)
Eur. Plan. Stud. **20** (7), 1173 - 1196
Impact Factor: ,679
155. **Haase, D., Haase, A., Kabisch, N., Kabisch, S., Rink, D.** (2012):
Actors and factors in land-use simulation: The challenge of urban shrinkage
Environ. Modell. Softw. **35** , 92 - 103
Impact Factor: 3,114
156. **Haase, D., Schwarz, N., Strohbach, M.W., Kroll, F., Seppelt, R.** (2012):
Synergies, trade-offs, and losses of ecosystem services in urban regions: an integrated multiscale framework applied to the Leipzig-Halle region, Germany
Ecol. Soc. **17** (3), Art. 22
Impact Factor: 2,516
157. **Haase, D.**, Tötzer, T. (2012):
Urban-rural linkages — analysing, modelling, and understanding drivers, pressures, and impacts of land use changes along the rural-to-urban gradient
Environ. Plan. B-Plan. Des. **39** (2), 194 - 197
Impact Factor: ,826
158. **Hahn-Tomer, S.** (2011):
ARSOLux® – Biosensor basierend auf Bioreporter-Bakterien zur Detektion von Arsen im Trinkwasser. It introduces itself ARSOLux (R) - Biosensor based on a bioreporter bacteria for the detection of arsenic in drinking water
Grundwasser **16** (2), 133 - 134
Impact Factor: ,257
159. Halter, D., Casiot, C., Simon, S., **Heipieper, H.-J.**, Arsène-Ploetze, F., Bertin, P.N. (2012):
Surface properties and intracellular speciation revealed an original adaptive mechanism to arsenic in the acid mine drainage bio-indicator *Euglena mutabilis*
Appl. Microbiol. Biotechnol. **93** (4), 1735 - 1744
Impact Factor: 3,425

160. Händel, F., **Dietrich, P.** (2012):
Relevance of deterministic structures for modeling of transport: the Lauswiesen case study
Ground Water **50** (6), 935 - 942
Impact Factor: 1,785
161. **Hanspach, J.**, Fischer, J., Ikin, K., Stott, J., Law, B.S. (2012):
Using trait-based filtering as a predictive framework for conservation: a case study of bats on farms in southeastern Australia
J. Appl. Ecol. **49** (4), 842 - 850
Impact Factor: 5,045
162. **Hanzel, J., Thullner, M., Harms, H., Wick, L.Y.** (2012):
Walking the tightrope of bioavailability: growth dynamics of PAH degraders on vapour-phase PAH
Microb. Biotechnol. **5** (1), 79 - 86
Impact Factor: 2,534
163. **Hartig, F.**, Dyke, J., Hickler, T., Higgins, S.I., O'Hara, R.B., Scheiter, S., **Huth, A.** (2012):
Connecting dynamic vegetation models to data – an inverse perspective
J. Biogeogr. **39** (12), 2240 - 2252
Impact Factor: 4,544
164. **Hartwig, M., Theuring, P., Rode, M., Borchardt, D.** (2012):
Suspended sediments in the Kharaa River catchment (Mongolia) and its impact on hyporheic zone functions
Environ. Earth Sci. **65** (5), 1601 - 1611
Impact Factor: 1,059
165. Haverd, V., Lovell, J.L., **Cuntz, M.**, Jupp, D.L.B., Newnham, G.J., Sea, W. (2012):
The canopy semi-analytic P_{gap} and radiative transfer (CanSPART) model: formulation and application
Agric. For. Meteorol. **160** , 14 - 35
Impact Factor: 3,389
166. **Headley, T.R., Davison, L., Huett, D.O., Müller, R.** (2012):
Evapotranspiration from subsurface horizontal flow wetlands planted with *Phragmites australis* in sub-tropical Australia
Water Res. **46** (2), 342 - 354
Impact Factor: 4,865

167. **Headley, T.R.**, Tanner, C.C. (2012):
Constructed wetlands with floating emergent macrophytes: an innovative stormwater treatment technology
Crit. Rev. Environ. Sci. Technol. **42** (21), 2261 - 2310
Impact Factor: 4,841
168. **Henle, K.**, Mester, B., Lengyel, S., Puky, M. (2012):
A review of a rare type of anomaly in amphibians, tail duplication and bifurcation, with description of three new cases in European species (*Triturus dobrogicus*, *Triturus carnifex*, and *Hyla arborea*)
J. Herpetol. **46** (4), 451 - 455
Impact Factor: 1,077
169. **Herzsprung, P.**, **von Tümpeling, W.**, Hertkorn, N., Harir, M., **Büttner, O.**, **Bravidor, J.**, **Fries, K.**, Schmitt-Kopplin, P. (2012):
Variations of DOM quality in inflows of a drinking water reservoir: Linking of van Krevelen diagrams with EEMF spectra by rank correlation
Environ. Sci. Technol. **46** (10), 5511 - 5518
Impact Factor: 5,228
170. Hickler, T., Vohland, K., Feehan, J., Miller, P.A., Smith, B., Costa, L., Giesecke, T., Fronzek, S., Carter, T.R., Cramer, W., **Kühn, I.**, Sykes, M.T. (2012):
Projecting the future distribution of european potential natural vegetation zones with a generalized, tree species-based dynamic vegetation model
Glob. Ecol. Biogeogr. **21** (1), 50 - 63
Impact Factor: 5,145
171. Higley, E., Grund, S., Jones, P.D., **Schulze, T.**, Seiler, T.-B., **Lübecke-von Varel, U.**, **Brack, W.**, Wölz, J., Zielke, H., Giesy, J.P., Hollert, H., Hecker, M. (2012):
Endocrine disrupting, mutagenic, and teratogenic effects of upper Danube River sediments using effect-directed analysis
Environ. Toxicol. Chem. **31** (5), 1053 - 1062
Impact Factor: 2,809
172. Hoehn, M., **Gruber, B.**, Sarre, S.D., **Lange, R.**, **Henle, K.** (2012):
Can genetic estimators provide robust estimates of the effective number of breeders in small populations?
PLoS One **7** (11), e48464
Impact Factor: 4,092
173. Hommes, G., Gasser, C.A., Howald, C.B.C., Goers, R., **Schlosser, D.**, Shahgaldian, P., Corvini, P.F.-X. (2012):
Production of a robust nanobiocatalyst for municipal wastewater treatment
Bioresour. Technol. **115** (July 2012), 8 - 15
Impact Factor: 4,98

174. **Horlemann, L., Dombrowsky, I.** (2012):
Institutionalising IWRM in developing and transition countries: the case of Mongolia
Environ. Earth Sci. **65** (5), 1547 - 1559
Impact Factor: 1,059
175. **Hornemann, G., Michalski, S.G., Durka, W.** (2012):
Short-term fitness and long-term population trends in the orchid *Anacamptis morio*
Plant Ecol. **213** (10), 1583 - 1595
Impact Factor: 1,829
176. **Hornemann, G., Weiss, G., Durka, W.** (2012):
Reproductive fitness, population size and genetic variation in *Muscari tenuiflorum*
(*Hyacinthaceae*): the role of temporal variation
Flora **207** (10), 736 - 743
Impact Factor: 1,639
177. **Hoyer, C., Trommler, U., Holzer, F., Rabe, C., Höhlig, B., Pfütze, C., Schmidt, D., Roland, U.** (2012):
Dielektrische Erwärmung mittels Radiowellen zur Trocknung und Dekontamination von Baustoffen
Chem. Ing. Tech. **84** (8), 1278
Impact Factor: ,589
178. Hulme, P.E., Pyšek, P., **Winter, M.** (2012):
Biosecurity on thin ice in Antarctica
Science **336** (6085), 1102 - 1104
Impact Factor: 31,201
179. Huon, G., Simpson, T., **Holzer, F.**, Maini, G., Will, F., **Kopinke, F.-D.**, **Roland, U.** (2012):
In situ radio-frequency heating for soil remediation at a former service station: case study and general aspects
Chem. Eng. Technol. **35** (8), 1534 - 1544
Impact Factor: 1,598
180. **Huth-Schwarz, A., Settele, J.**, Moritz, R.F.A., Kraus, F.B. (2012):
Factors influencing *Nosema bombi* infections in natural populations of *Bombus terrestris* (Hymenoptera: Apidae)
J. Invertebr. Pathol. **110** (1), 48 - 53
Impact Factor: 2,064

181. **Ilg, C.**, Foeckler, F., Deichner, O., **Henle, K.** (2012):
Hydrological gradient and species traits explain gastropod diversity in floodplain grasslands
River Res. Appl. **28** (10), 1620 - 1629
Impact Factor: 2,028
182. Ionescu, D., **Siebert, C.**, Polerecky, L., Munwes, Y.Y., Lott, C., Häusler, S., Bižić-Ionescu, M., Quast, C., Peplies, J., Glöckner, F.O., Ramette, A., **Rödiger, T.**, Dittmar, T., Oren, A., **Geyer, S.**, **Stärk, H.J.**, Sauter, M., Licha, T., Laronne, J.B., de Beer, D. (2012):
Microbial and chemical characterization of underwater fresh water springs in the Dead Sea
PLoS One **7** (6), e38319
Impact Factor: 4,092
183. **Iparraguirre Izaga, A.**, Navarro, P., **Prieto, A.**, Rodil, R., Olivares, M., Fernandez, L.A., Zuloaga, O. (2012):
Membrane-assisted solvent extraction coupled to large volume injection-gas chromatography-mass spectrometry for the determination of a variety of endocrine disrupting compounds in environmental water samples
Anal. Bioanal. Chem. **402** (9), 2897 - 2907
Impact Factor: 3,778
184. Ismail, A.K., Weinstein, S.A., **Auliya, M.**, Appareo, P. (2012):
Ventricular bigeminy following a cobra envenomation
Clin. Toxicol. **50** (6), 518 - 521
Impact Factor: 2,221
185. Jaakkola, E., Tattari, S., Ekholm, P., Pietola, L., Posch, M., **Bärlund, I.** (2012):
Simulated effects of gypsum amendment on phosphorus losses from agricultural soils
Agr. Food Sci. **21** (3), 292 - 306
Impact Factor: ,923
186. Jacquemyn, H., Brys, R., Honnay, O., Roldán-Ruiz, I., Lievens, B., **Wiegand, T.** (2012):
Nonrandom spatial structuring of orchids in a hybrid zone of three *Orchis* species
New Phytol. **193** (2), 454 - 464
Impact Factor: 6,645
187. Jacquemyn, H., Brys, R., Lievens, B., **Wiegand, T.** (2012):
Spatial variation in below-ground seed germination and divergent mycorrhizal associations correlate with spatial segregation of three co-occurring orchid species
J. Ecol. **100** (6), 1328 - 1337
Impact Factor: 5,044

188. Jäntti, H., Leskinen, E., **Stange, C.F.**, Hietanen, S. (2012):
Measuring nitrification in sediments – comparison of two techniques and three $^{15}\text{NO}_3^-$ measurement methods
Isot. Environ. Health Stud. **48** (2), 313 - 326
Impact Factor: ,9
189. **Jehmlich, N.**, Kopinke, F.-D., Lenhard, S., Vogt, C., Herbst, F.-A., Seifert, J., Lissner, U., Völker, U., Schmidt, F., von Bergen, M. (2012):
Sulfur- ^{36}S stable isotope labeling of amino acids for quantification (SULAQ)
Proteomics **12** (1), 37 - 42
Impact Factor: 4,505
190. Jeong, J.J., Bartsch, S., **Fleckenstein, J.H.**, Matzner, E., Tenhunen, J.D., Lee, S.D., Park, S.K., Park, J.H. (2012):
Differential storm responses of dissolved and particulate organic carbon in a mountainous headwater stream, investigated by high-frequency, in situ optical measurements
J. Geophys. Res. **117**, G03013
Impact Factor: 3,021
191. Ji, L., **Schüürmann, G.** (2012):
Computational evidence for alpha-nitrosamino radical as initial metabolite for both the P450 dealkylation and denitrosation of carcinogenic nitrosamines
J. Phys. Chem. B **116** (2), 903 - 912
Impact Factor: 3,696
192. **Jiménez, N.**, Morris, B.E.L., Gründger, F., Yao, J., Richnow, H.H., Krüger, M. (2012):
Evidence for in situ methanogenic oil degradation in the Dagang oil field
Org. Geochem. **52** , 44 - 54
Impact Factor: 2,785
193. Jimenez-Sanchez, C., **Wick, L.Y.**, Ortega-Calvo, J.-J. (2012):
Chemical effectors cause different motile behavior and deposition of bacteria in porous media
Environ. Sci. Technol. **46** (12), 6790 - 6797
Impact Factor: 5,228
194. **Junghanns, C.**, Neumann, J.F., **Schlosser, D.** (2012):
Application of the aquatic fungus *Phoma* sp. (DSM22425) in bioreactors for the treatment of textile dye model effluents
J. Chem. Technol. Biotechnol. **87** (9), 1276 - 1283
Impact Factor: 2,168

195. **Kabisch, N., Haase, D., Haase, A.** (2012):
Urban population development in Europe, 1991–2008: the examples of Poland and the UK
Int. J. Urban Reg. Res. **36** (6), 1326 - 1348
Impact Factor: 1,339
196. **Kalbacher, T., Delfs, J.O., Shao, H., Wang, W., Walther, M., Samaniego, L., Schneider, C., Kumar, R., Musolff, A., Centler, F., Sun, F., Hildebrandt, A., Liedl, R., Borchardt, D., Krebs, P., Kolditz, O.** (2012):
The IWAS-ToolBox: software coupling for an integrated water resources management
Environ. Earth Sci. **65** (5), 1367 - 1380
Impact Factor: 1,059
197. **Kalbus, E., Kalbacher, T., Kolditz, O., Krüger, E., Seegert, J., Röstel, G., Teutsch, G., Borchardt, D., Krebs, P.** (2012):
Integrated Water Resources Management under different hydrological, climatic and socio-economic conditions
Environ. Earth Sci. **65** (5), 1363 - 1366
Impact Factor: 1,059
198. **Kamjunke, N., Kramps, M., Chavez, S., Woelfl, S.** (2012):
Consumption of large, *Chlorella*-bearing ciliates (*Stentor*) by *Mesocyclops araucanus* in North Patagonian lakes
J. Plankton Res. **34** (10), 922 - 927
Impact Factor: 2,079
199. **Kamjunke, N., Spohn, U., Fütting, M., Wagner, G., Scharf, E.-M., Sandrock, S., Zippel, B.** (2012):
Use of confocal laser scanning microscopy for biofilm investigation on paints under field conditions
Int. Biodeterior. Biodegrad. **69** (1), 17 - 22
Impact Factor: 2,074
200. Kefford, B.J., **Liess, M.**, Warne, M.S.J., Metzeling, L., Schäfer, R.B. (2012):
Risk assessment of episodic exposures to chemicals should consider both the physiological and the ecological sensitivities of species
Sci. Total Environ. **441** , 213 - 219
Impact Factor: 3,286
201. Keil, P., **Schweiger, O., Kühn, I., Kunin, W.E., Kuussaari, M., Settele, J., Henle, K., Brotons, L., Pe'er, G., Lengyel, S., Moustakas, A., Steinicke, H., Storch, D.** (2012):
Patterns of beta diversity in Europe: the role of climate, land cover and distance across scales
J. Biogeogr. **39** (8), 1473 - 1486
Impact Factor: 4,544

202. Kissling, W.D., **Dormann, C.F.**, Groeneveld, J., Hickler, T., **Kühn, I.**, McInerny, G.J., Montoya, J.M., Römermann, C., Schiffers, K., Schurr, F.M., **Singer, A.**, Svenning, J.-C., Zimmermann, N.E., O'Hara, R.B. (2012): Towards novel approaches to modelling biotic interactions in multispecies assemblages at large spatial extents
J. Biogeogr. **39** (12), 2163 - 2178
Impact Factor: 4,544
203. **Klar, N.**, Herrmann, M., Henning-Hahn, M., Pott-Doerfer, B., Hofer, H., Kramer-Schadt, S. (2012): Between ecological theory and planning practice: (Re-) Connecting forest patches for the wildcat in Lower Saxony, Germany
Landscape Urban Plan. **105** (4), 376 - 384
Impact Factor: 2,173
204. **Klauer, B.**, Rode, M., Schiller, J., Franko, U., Mewes, M. (2012): Decision support for the selection of measures according to the requirements of the EU Water Framework
Water Resour. Manag. **26** (3), 775 - 798
Impact Factor: 2,054
205. **Kleinsteuber, S.**, Schleinitz, K.M., Vogt, C. (2012): Key players and team play: anaerobic microbial communities in hydrocarbon-contaminated aquifers
Appl. Microbiol. Biotechnol. **94** (4), 851 - 873
Impact Factor: 3,425
206. **Knapp, S.**, Dinsmore, L., Fissore, C., Hobbie, S.E., Jakobsdottir, I., Kattge, J., King, J., **Klotz, S.**, McFadden, J.P., Cavender-Bares, J. (2012): Phylogenetic and functional characteristics of household yard floras and their changes along an urbanization gradient
Ecology **93** (8, Suppl. Phylogenetics), S83 - S98
Impact Factor: 4,849
207. **Knapp, S.**, **Kühn, I.** (2012): Origin matters: widely distributed native and non-native species benefit from different functional traits
Ecol. Lett. **15** (7), 696 - 703
Impact Factor: 17,557
208. **Knapp, S.**, Wittig, R. (2012): An analysis of temporal homogenisation and differentiation in Central European village floras
Basic Appl. Ecol. **13** (4), 319 - 327
Impact Factor: 2,669

209. **Knillmann, S., Stampfli, N.C., Beketov, M.A., Liess, M.** (2012):
Intraspecific competition increases toxicant effects in outdoor pond microcosms
Ecotoxicology **21** (7), 1857 - 1866
Impact Factor: 2,355
210. **Knillmann, S., Stampfli, N., Noskov, Y.A., Beketov, M.A., Liess, M.** (2012):
Interspecific competition delays recovery of *Daphnia* spp. populations from pesticide stress
Ecotoxicology **21** (4), 1039 - 1049
Impact Factor: 2,355
211. Knöbel, M., Busser, F.J.M., Rico-Rico, A., Kramer, N.I., Hermens, J.L.M., Hafner, C., **Tanneberger, K., Schirmer, K., Scholz, S.** (2012):
Predicting adult fish acute lethality with the zebrafish embryo: relevance of test duration, endpoints, compound properties, and exposure concentration analysis
Environ. Sci. Technol. **46** (17), 9690 - 9700
Impact Factor: 5,228
212. **Knöller, K., Jeschke, C., Simon, A., Gast, M., Hoth, N.** (2012):
Stable isotope fractionation related to technically enhanced bacterial sulphate degradation in lignite mining sediments
Isot. Environ. Health Stud. **48** (1), 76 - 88
Impact Factor: ,9
213. Kolaříková, K., Stuchlík, E., Liška, M., Horecký, J., Tátosová, J., Hardekopf, D., Lapšanská, N., Hořická, Z., Hovorka, J., Mihaljevič, M., Fuksa, J.K., **von Tümpling, W.** (2012):
Long-term changes in the bioaccumulation of As, Cd, Pb, and Hg in macroinvertebrates from the Elbe river (Czech Republic)
Water Air Soil Pollut. **223** (6), 3511 - 3526
Impact Factor: 1,625
214. **Kolbe, F., Mattusch, J., Wennrich, R., Weiss, H., Sorkau, E., Lorenz, W., Daus, B.** (2012):
Analytical investigations of antimony-EDTA complexes and their use in speciation analysis
Fresenius Environ. Bull. **21** (11c), 3453 - 3458
Impact Factor: ,66
215. **Kolditz, O., Bauer, S., Böttcher, N., Elsworth, D., Görke, U.-J., McDermott, C.I., Park, C.-H., Singh, A.K., Taron, J., Wang, W.** (2012):
Numerical simulation of two-phase flow in deformable porous media: application to carbon dioxide storage in the subsurface
Math. Comput. Simul. **82** (10), 1919 - 1935
Impact Factor: ,738

216. **Kolditz, O., Rink, K., Shao, H., Kalbacher, T., Kunkel, R., Zacharias, S., Dietrich, P.** (2012):
Erratum to: International viewpoint and news: data and modelling platforms in environmental Earth sciences
Environ. Earth Sci. **67** (6), 1859
Impact Factor: 1,059
217. **Kolditz, O., Rink, K., Shao, H., Kalbacher, T., Zacharias, S., Dietrich, P.** (2012):
International viewpoint and news
Environ. Earth Sci. **66** (4), 1279 - 1284
Impact Factor: 1,059
218. **Kopinke, F.-D.** (2012):
Comment on “Critical review of Pd-based catalytic treatment of priority contaminants in water”
Environ. Sci. Technol. **46** (20), 11467 - 11468
Impact Factor: 5,228
219. **Koschorreck, M., Wendt-Potthoff, K.** (2012):
A sediment exchange experiment to assess the limiting factors of microbial sulfate reduction in acidic mine pit lakes
J. Soils Sediments **12** (10), 1615 - 1622
Impact Factor: 1,863
220. Kröger, C., Xu, A., Duan, S., Zhang, B., Eckstädt, H., **Meissner, R.** (2012):
The situation of sanitary systems in rural areas in the Miyun catchment, China
Water Sci. Technol. **66** (6), 1178 - 1185
Impact Factor: 1,122
221. **Krohn, S., Hartmann, J., Brodzinski, A., Chatzinotas, A., Böhm, S., Berg, T.** (2012):
Identification of polybacterial 16S rRNA genes from ascitic fluids with T-RFLP analysis and direct sequencing
J. Hepatol. **56** (Suppl. 2), S266 - S266
Impact Factor: 9,264
222. **Kroll, F., Kabisch, N.** (2012):
The relation of diverging urban growth processes and demographic change along an urban-rural gradient
Popul. Space Place. **18** (3), 260 - 276
Impact Factor: 1,815
223. **Kroll, F., Müller, F., Haase, D., Fohrer, N.** (2012):
Rural-urban gradient analysis of ecosystem services supply and demand dynamics
Land Use Pol. **29** (3), 521 - 535
Impact Factor: 2,292

224. **Krüger, D., Kapturska, D., Fischer, C., Daniel, R., Wubet, T.** (2012):
Diversity measures in environmental sequences are highly dependent on alignment quality—Data from ITS and new LSU primers targeting basidiomycetes
PLoS One **7** (2), e32139
Impact Factor: 4,092
225. **Krumbiegel, P.** (2012):
Book reviews: "Introduction to body composition assessment using the deuterium dilution technique with analysis of saliva samples by Fourier transform infrared spectrometry, IAEA Human Health Series No. 12, IAEA, Vienna, Austria, IAEA, 2011, 75 pp., €37.00 (paperback), 24 ref., ISBN 978-92-0-103210-2, ISSN 2075-3772" and "Introduction to body composition assessment using the deuterium dilution technique with analysis of urine samples by isotope ratio mass spectrometry, IAEA Human Health Series No. 13, IAEA, Vienna, Austria, IAEA, 2011, 63 pp., €36.00 (paperback), 27 ref., ISBN 978-92-0-103310-9, ISSN 2075-3772"
Isot. Environ. Health Stud. **48** (2), 372 - 373
Impact Factor: ,9
226. **Kuhlicke, C.** (2012):
Book review: "Müller, Bernhard (ed.): Urban Regional Resilience: How Do Cities and Regions Deal with Change? German Annual of Spatial Research and Policy 2010. 163 pp. and 19 figs. Springer Verlag, Berlin, Heidelberg 2011, € 106,95"
Erdkunde **66** (4), 373 - 374
Impact Factor: ,929
227. **Kuhlicke, C.** (2012):
Book review: "Egner, Heike und Pott, Andreas (Hg.): Geographische Risikoforschung. Zur Konstruktion verräumlichter Risiken und Sicherheiten. 242 S., 18 Abb. und 3 Tab. Erdkundliches Wissen 147. Franz Steiner Verlag, Stuttgart 2010, € 44,-"
Erdkunde **66** (4), 359 - 361
Impact Factor: ,929
228. **Kühn, I., Dormann, C.F.** (2012):
Less than eight (and a half) misconceptions of spatial analysis
J. Biogeogr. **39** (5), 995 - 1003
Impact Factor: 4,544
229. **Kühnel, D., Scheffler, K., Wellner, P., Meißner, T., Potthoff, A., Busch, W., Springer, A., Schirmer, K.** (2012):
Comparative evaluation of particle properties, formation of reactive oxygen species and genotoxic potential of tungsten carbide based nanoparticles in vitro
J. Hazard. Mater. **227-228**, 418 - 426
Impact Factor: 4,173

230. Křesinová, Z., **Moeder, M.**, Ezechiáš, M., Svobodová, K., Cajthaml, T. (2012): Mechanistic study of 17 α -ethinylestradiol biodegradation by *Pleurotus ostreatus*: tracking of extracellular and intracellular degradation mechanisms
Environ. Sci. Technol. **46** (24), 13377 - 13385
Impact Factor: 5,228
231. **Lamert, H.**, Geistlinger, H., Werban, U., Schütze, C., Peter, A., Hornbruch, G., Schulz, A., Pohlert, M., Kalia, S., Beyer, M., Großmann, J., Dahmke, A., **Dietrich, P.** (2012): Feasibility of geoelectrical monitoring and multiphase modeling for process understanding of gaseous CO₂ injection into a shallow aquifer
Environ. Earth Sci. **67** (2), 447 - 462
Impact Factor: 1,059
232. Lan, G., **Getzin, S.**, Wiegand, T., Hu, Y., Xie, G., Cao, M. (2012): Spatial distribution and interspecific associations of tree species in a tropical seasonal rain forest of China
PLoS One **7** (9), e46074
Impact Factor: 4,092
233. **Lange, M.**, Kramer-Schadt, S., Blome, S., Beer, M., **Thulke, H.-H.** (2012): Disease severity declines over time after a wild boar population has been affected by classical swine fever - legend or actual epidemiological process?
Prev. Vet. Med. **106** (2), 185 - 195
Impact Factor: 2,046
234. **Lange, M.**, Kramer-Schadt, S., **Thulke, H.-H.** (2012): Efficiency of spatio-temporal vaccination regimes in wildlife populations under different viral constraints
Vet. Res. **43** (1), art. 37
Impact Factor: 4,06
235. Lange, R., Diekötter, T., Schiffmann, L.A., Wolters, V., **Durka, W.** (2012): Matrix quality and habitat configuration interactively determine functional connectivity in a widespread bush cricket at a small spatial scale
Landsc. Ecol. **27** (3), 381 - 392
Impact Factor: 3,061
236. Larondelle, N., **Haase, D.** (2012): Valuing post-mining landscapes using an ecosystem services approach - an example from Germany
Ecol. Indic. **18** , 567 - 574
Impact Factor: 2,695

237. Latz, E., Eisenhauer, N., Rall, B.C., Allan, E., **Roscher, C.**, Scheu, S., Jousset, A. (2012): Plant diversity improves protection against soil-borne pathogens by fostering antagonistic bacterial communities
J. Ecol. **100** (3), 597 - 604
Impact Factor: 5,044
238. Lauf, S., **Haase, D.**, Hostert, P., Lakes, T., Kleinschmit, B. (2012): Uncovering land-use dynamics driven by human decision-making - a combined model approach using cellular automata and system dynamics
Environ. Modell. Softw. **27-28** , 71 - 82
Impact Factor: 3,114
239. Lauf, S., **Haase, D.**, **Seppelt, R.**, **Schwarz, N.** (2012): Simulating demography and housing demand in an urban region under scenarios of growth and shrinkage
Environ. Plan. B-Plan. Des. **39** (2), 229 - 246
Impact Factor: ,826
240. **Lausch, A.**, **Pause, M.**, **Merbach, I.**, Gwillym-Margianto, S., **Schulz, K.**, **Zacharias, S.**, **Seppelt, R.** (2012): Scale-specific hyperspectral remote sensing approach in environmental research
Photogramm. Fernerkund. Geoinf. (5), 589 - 601
Impact Factor: ,377
241. **Lautenbach, S.**, **Seppelt, R.**, Liebscher, J., **Dormann, C.F.** (2012): Spatial and temporal trends of global pollination benefit
PLoS One **7** (4), e35954
Impact Factor: 4,092
242. **Lazik, D.**, **Ebert, S.** (2012): Improved membrane-based sensor network for reliable gas monitoring in the subsurface
Sensors **12** (12), 17058 - 17073
Impact Factor: 1,739
243. **Lehmann, P.** (2012): Justifying a policy mix for pollution control: a review of economic literature
J. Econ. Surv. **26** (1), 71 - 97
Impact Factor: 1,328
244. **Lehmann, P.**, Creutzig, F., Ehlers, M.-H., Friedrichsen, N., **Heuson, C.**, Hirth, L., Pietzcker, R. (2012): Carbon lock-out: advancing renewable energy policy in Europe
Energies **5** (2), 323 - 354
Impact Factor: 1,865

245. Lehmann, P., Neuweiler, I., Vanderborght, J., **Vogel, H.-J.** (2012):
Dynamics of fluid interfaces and flow and transport across material interfaces in porous media — modeling and observations
Vadose Zone J. **11** (3), 10.2136/vzj2012.0105
Impact Factor: 1,647
246. Leidel, M., **Niemann, S.**, **Hagemann, N.** (2012):
Capacity development as a key factor for integrated water resources management (IWRM): improving water management in the Western Bug River Basin, Ukraine
Environ. Earth Sci. **65** (5), 1415 - 1426
Impact Factor: 1,059
247. Leimu, R., **Kloss, L.**, Fischer, M. (2012):
Inbreeding alters activities of the stress-related enzymes chitinases and β -1,3-glucanases
PLoS One **7** (8), e42326
Impact Factor: 4,092
248. Lenhart, K., Bunge, M., Ratering, S., **Neu, T.R.**, Schüttmann, I., Greule, M., Kammann, C., Schnell, S., Müller, C., Zorn, H., Keppler, F. (2012):
Evidence for methane production by saprotrophic fungi
Nat. Commun. **2** , art. 1046
Impact Factor: 7,396
249. **Leven, C., Dietrich, P.** (2012):
Akupunktur für den Boden? Direct Push – mit Nadelstichen dem Untergrund auf der Spur. Acupuncture for the Ground? Direct push - tracking the subsurface with pinholes
Grundwasser **17** (1), 1 - 1
Impact Factor: ,912
250. Lewandowski, J., **Fleckenstein, J.H.**, Nützmann, G., **Angermann, L.** (2012):
A 3D analysis algorithm to improve interpretation of heat pulse sensor results for the determination of small-scale flow directions and velocities in the hyporheic zone
J. Hydrol. **475** , 1 - 11
Impact Factor: 2,656
251. Libardi jr., N., Gern, R.M.M., Furlan, S.A., **Schlosser, D.** (2012):
Laccase production by the aquatic ascomycete *Phoma* sp. UHH 5-1-03 and the white rot basidiomycete *Pleurotus ostreatus* DSM 1833 during submerged cultivation on banana peels and enzyme applicability for the removal of endocrine-disrupting chemicals
Appl. Biochem. Biotechnol. **167** (5), 1144 - 1156
Impact Factor: 1,943

252. **Liess, M., Beketov, M.A.** (2012):
Rebuttal related to “Traits and Stress: keys to identify community effects of low levels of toxicants in test systems” by Liess and Beketov (2011)
Ecotoxicology **21** (2), 300 - 303
Impact Factor: 2,355
253. **Lin, Y., Berger, U., Grimm, V., Ji, Q.-R.** (2012):
Differences between symmetric and asymmetric facilitation matter: exploring the interplay between modes of positive and negative plant interactions
J. Ecol. **100** (6), 1482 - 1491
Impact Factor: 5,044
254. Lindborg, R., Helm, A., Bommarco, R., Heikkinen, R.K., **Kühn, I.**, Pykälä, J., Pärtel, M. (2012):
Effect of habitat area and isolation on plant trait distribution in European forests and grasslands
Ecography **35** (4), 356 - 363
Impact Factor: 4,188
255. Linder, H.P., Bykova, O., Dyke, J., Etienne, R.S., Hickler, T., **Kühn, I.**, Marion, G., Ohlemüller, R., Schymanski, J., **Singer, A.** (2012):
Biotic modifiers, environmental modulation and species distribution models
J. Biogeogr. **39** (12), 2179 - 2190
Impact Factor: 4,544
256. Lipowsky, A., **Roscher, C.**, Schumacher, J., Schmid, B. (2012):
Density-independent mortality and increasing plant diversity are associated with differentiation of *Taraxacum officinale* into r- and K-Strategists
PLoS One **7** (1), e28121
Impact Factor: 4,092
257. Loick-Wilde, N., Dutz, J., **Miltner, A., Gehre, M.**, Montoya, J.P., Voss, M. (2012):
Incorporation of nitrogen from N2 fixation into amino acids of zooplankton
Limnol. Oceanogr. **57** (1), 199 - 210
Impact Factor: 3,416
258. Loos, M., **Krauss, M.**, Fenner, K. (2012):
Pesticide nonextractable residue formation in soil: insights from inverse modeling of degradation time series
Environ. Sci. Technol. **48** (18), 9830 - 9837
Impact Factor: 5,228

259. Loranger, J., Meyer, S.T., Shipley, B., Kattge, J., Loranger, H., **Roscher, C.**, Weisser, W.W. (2012):
Predicting invertebrate herbivory from plant traits: evidence from 51 grassland species in experimental monocultures
Ecology **93** (12), 2674 - 2682
Impact Factor: 4,849
260. Lorz, C., Abbt-Braun, G., Bakker, F., Borges, P., Börnick, H., Fortes, L., Frimmel, F.H., **Gaffron, A.**, Hebben, N., **Höfer, R.**, Makeschin, F., Neder, K., Roig, L., Steiniger, B., Strauch, M., Walde, D., **Weiß, H.**, Worch, E., Wummel, J. (2012): Challenges of an integrated water resource management for the Distrito Federal, Western Central Brazil: climate, land-use and water resources
Environ. Earth Sci. **65** (5), 1575 - 1586
Impact Factor: 1,059
261. Lososová, Z., Chytrý, M., Tichý, L., Danihelka, J., Fajmon, K., Hájek, O., Kintrová, K., **Kühn, I.**, Láníková, D., Otýpková, Z., Rehorek, V. (2012): Native and alien floras in urban habitats: a comparison across 32 cities of central Europe
Glob. Ecol. Biogeogr. **21** (5), 545 - 555
Impact Factor: 5,145
262. **Louzao, M.**, Delord, K., García, D., Boué, A., Weimerskirch, H. (2012): Protecting persistent dynamic oceanographic features: Transboundary conservation efforts are needed for the critically endangered Balearic shearwater
PLoS One **7** (5), e35728
Impact Factor: 4,092
263. **Loyau, A.**, Cornuau, J.H., Clobert, J., Danchin, É. (2012): Incestuous sisters: mate preference for brothers over unrelated males in *Drosophila melanogaster*
PLoS One **7** (12), e51293
Impact Factor: 4,092
264. **Loyau, A., Schmeller, D.S.** (2012): Mixed reproductive strategies of the Common moorhen on a microscale as revealed by genetic data
C. R. Biol. **335** (10-11), 673 - 679
Impact Factor: 1,533
265. **Lübecke-von Varel, U., Bataineh, M., Löffler, I., Schulze, T.**, Flückiger-Isler, S., Necá, J., Machala, M., **Brack, W.**, Lohrmann, S. (2012): Identification and quantitative confirmation of dinitropyrenes and 3-nitrobenzanthrone as major mutagens in contaminated sediments
Environ. Int. **44** (September 2012), 31 - 39
Impact Factor: 5,297

266. **Macherius, A.**, Eggen, T., Lorenz, W.G., **Reemtsma, T.**, **Winkler, U.**, **Moeder, M.** (2012):
Uptake of galaxolide, tonalide, and triclosan by carrot, barley, and meadow fescue plants
J. Agric. Food Chem. **60** (32), 7785 - 7791
Impact Factor: 2,823
267. **Macherius, A.**, Eggen, T., Lorenz, W., **Moeder, M.**, Ondruschka, J., **Reemtsma, T.** (2012):
Metabolization of the bacteriostatic agent triclosan in edible plants and its consequences for plant uptake assessment
Environ. Sci. Technol. **46** (19), 10797 - 10804
Impact Factor: 5,228
268. **Mackenzie, K.**, **Bleyl, S.**, **Georgi, A.**, **Kopinke, F.-D.** (2012):
Carbo-Iron – An Fe/AC composite – as alternative to nano-iron for groundwater treatment
Water Res. **46** (12), 3817 - 3826
Impact Factor: 4,865
269. **Malaj, E.**, **Grote, M.**, Schäfer, R.B., **Brack, W.**, **von der Ohe, P.C.** (2012):
Physiological sensitivity of freshwater macroinvertebrates to heavy metals
Environ. Toxicol. Chem. **31** (8), 1754 - 1764
Impact Factor: 2,809
270. Malve, O., Tattari, S., Riihimäki, J., Jaakkola, E., Voß, A., Williams, R., **Bärlund, I.** (2012):
Estimation of diffuse pollution loads in Europe for continental scale modelling of loads and in-stream river water quality
Hydrol. Process. **26** (16), 2385 - 2394
Impact Factor: 2,488
271. **Marco-Urea, E.**, **Seifert, J.**, **von Bergen, M.**, **Adrian, L.** (2012):
Stable isotope peptide mass spectrometry to decipher amino acid metabolism in *Dehalococcoides* strain CBDB1
J. Bacteriol. **194** (16), 4169 - 4177
Impact Factor: 3,825
272. Marini, L., Bruun, H.H., Heikkinen, R.K., Helm, A., Honnay, O., Krauss, J., **Kühn, I.**, Lindborg, R., Pärtel, M., Bommarco, R. (2012):
Traits related to species persistence and dispersal explain changes in plant communities subjected to habitat loss
Divers. Distrib. **18** (9), 898 - 908
Impact Factor: 4,83

273. Marion, G., McInerny, G.J., Pagel, J., Catterall, S., Cook, A.R., **Hartig, F.**, O'Hara, R.B. (2012):
Parameter and uncertainty estimation for process-oriented population and distribution models: data, statistics and the niche
J. Biogeogr. **39** (12), 2225 - 2239
Impact Factor: 4,544
274. **Markantonis, V., Meyer, V., Schwarze, R.** (2012):
Valuating the intangible effects of natural hazards – review and analysis of the costing methods
Nat. Hazards Earth Syst. Sci. **12** (5), 1633 - 1640
Impact Factor: 1,983
275. Martac, E., Oppermann, A., Körner, J., Thielecke, S., **Ihle, T., Bittens, M., Weiß, H.**, Horn, H., Romey, A. (2012):
Adaptive Herd- und Fahnencharakterisierung als Voraussetzung für einen effizienten Modellaufbau unter heterogenen Standortbedingungen. Adaptive source and plume characterization for efficient model development under heterogeneous site conditions
Grundwasser **17** (1), 31 - 38
Impact Factor: ,912
276. **Martin, B.T.**, Wahl, D.H., Czesny, S.J. (2012):
Effect of light intensity, prey density, and ontogeny on foraging success and prey selection of larval yellow perch (*Perca flavescens*)
Ecol. Freshw. Fish **21** (4), 588 - 596
Impact Factor: 1,573
277. **Martin, B.T.**, Zimmer, E., **Grimm, V.**, Jager, T. (2012):
Dynamic Energy Budget theory meets individual-based modelling: a generic and accessible implementation
Methods Ecol. Evol. **3** (2), 445 - 449
Impact Factor: 5,093
278. **Martínez, I.**, González-Taboada, F., **Wiegand, T.**, Camarero, J.J., Gutiérrez, E. (2012):
Dispersal limitation and spatial scale affect model based projections of *Pinus uncinata* response to climate change in the Pyrenees
Glob. Change Biol. **18** (5), 1714 - 1724
Impact Factor: 6,862
279. **Maskow, T., Wolf, K.**, Kunze, W., Enders, S., **Harms, H.** (2012):
Rapid analysis of bacterial contamination of tap water using isothermal calorimetry
Thermochim. Acta **543** , 273 - 280
Impact Factor: 1,805

280. Matthes, K., Nusche, H., **Dietrich, P.**, Vienken, T. (2012):
Auswirkungen von Messunsicherheiten bei der Korngrößenanalyse auf die Berechnung
des Durchlässigkeitsbeiwertes. Effects of measuring inaccuracy during grain size analyses
on the determination of hydraulic conductivity
Grundwasser **17** (2), 105 - 111
Impact Factor: ,912
281. Meentemeyer, R.K., Haas, S.E., **Václavík, T.** (2012):
Landscape epidemiology of emerging infectious diseases in natural and human-altered
ecosystems
Annu. Rev. Phytopathol. **50** , 379 - 402
Impact Factor: 9,875
282. **Mewes, M.** (2012):
Diffuse nutrient reduction in the German Baltic Sea catchment: Cost-effectiveness
analysis of water protection measures
Ecol. Indic. **22** , 16 - 26
Impact Factor: 2,695
283. **Meyer, V.**, Kuhlicke, C., Luther, J., Fuchs, S., Priest, S., Dorner, W.,
Serrhini, K., Pardoe, J., McCarthy, S., Seidel, J., Palka, G., **Unnerstall, H.**,
Viavattene, C., Scheuer, S. (2012):
Recommendations for the user-specific enhancement of flood maps
Nat. Hazards Earth Syst. Sci. **12** (5), 1701 - 1716
Impact Factor: 1,983
284. **Meyer, V.**, Priest, S., **Kuhlicke, C.** (2012):
Economic evaluation of structural and non-structural flood risk management measures:
examples from the Mulde River
Nat. Hazards **62** (2), 301 - 324
Impact Factor: 1,529
285. **Michalski, S.G.**, Durka, W. (2012):
Assessment of provenance delineation by genetic differentiation patterns and
estimates of gene flow in the common grassland plant *Geranium pratense*
Conserv. Genet. **13** (2), 581 - 592
Impact Factor: 1,61
286. **Michalski, S.G.**, Durka, W. (2012):
Identification and characterization of microsatellite loci in the rush *Juncus effusus*
(Juncaceae)
Am. J. Bot. **99** (2), e53 - e55
Impact Factor: 2,664

287. Micolonghi, C., Ottaviano, D., Di Silvio, E., Damato, G., **Heipieper, H.-J.**, Bianchi, M.M. (2012):
A dual signalling pathway for the hypoxic expression of lipid genes, dependent on the glucose sensor Rag4, is revealed by the analysis of *Kluyveromyces lactis*
Microbiology-(UK) **158** (7), 1734 - 1744
Impact Factor: 3,061
288. **Miltner, A., Bombach, P.**, Schmidt-Brücken, B., **Kästner, M.** (2012):
SOM genesis: microbial biomass a significant source
Biogeochemistry **111** (1-3), 41 - 55
Impact Factor: 3,069
289. **Moeder, M., Bauer, C., Popp, P., van Pinxteren, M., Reemtsma, T.** (2012):
Determination of pesticide residues in wine by membrane-assisted solvent extraction and high-performance liquid chromatography–tandem mass spectrometry
Anal. Bioanal. Chem. **403** (6), 1731 - 1741
Impact Factor: 3,778
290. **Moeller, L., Zehnsdorf, A., Aurich, A., Bley, T., Strehlitz, B.** (2012):
Substrate utilization by recombinant *Yarrowia lipolytica* growing on sucrose
Appl. Microbiol. Biotechnol. **93** (4), 1695 - 1702
Impact Factor: 3,425
291. Möller, P., **Siebert, C., Geyer, S.**, Inbar, N., Rosenthal, E., Flexer, A. (2012):
Relationship of brines in the Kinnarot basin, Jordan-Dead Sea Rift Valley
Geofluids **12** (2), 166 - 181
Impact Factor: 1,5
292. **Moradi, A.B., Carminati, A., Lamparter, A., Woche, S.K., Bachmann, J., Vetterlein, D., Vogel, H.-J., Oswald, S.E.** (2012):
Is the rhizosphere temporarily water repellent?
Vadose Zone J. **11** (3), 10.2136/vzj2011.0120
Impact Factor: 1,647
293. **Morris, B.E.L., Herbst, F.-A., Bastida, F., Seifert, J., von Bergen, M., Richnow, H.-H., Suflita, J.M.** (2012):
Microbial interactions during residual oil and *n*-fatty acid metabolism by a methanogenic consortium
Environ. Microbiol. Rep. **4** (3), 297 - 306
Impact Factor: 3,232

294. **Musuza, J.L.**, Radu, F.A., **Attinger, S.** (2012):
Predicting predominant thermal convection in thermohaline flows in saturated porous media
Adv. Water Resour. **49** , 23 - 36
Impact Factor: 2,449
295. Navarro, A., Weißbach, S., Faria, M., Barata, C., Piña, B., **Luckenbach, T.** (2012):
Abcb and Abcc transporter homologs are expressed and active in larvae and adults of zebra mussel and induced by chemical stress
Aquat. Toxicol. **122–123** , 144 - 152
Impact Factor: 3,761
296. Navon, R., Eldad, S., **Mackenzie, K.**, **Kopinke, F.-D.** (2012):
Protection of palladium catalysts for hydrodechlorination of chlorinated organic compounds in wastewaters
Appl. Catal. B-Environ. **119-120** , 241 - 247
Impact Factor: 5,625
297. Neale, P.A., Escher, B.I., **Goss, K.-U.**, **Endo, S.** (2012):
Evaluating dissolved organic carbon–water partitioning using polyparameter linear free energy relationships: Implications for the fate of disinfection by-products
Water Res. **46** (11), 3637 - 3645
Impact Factor: 4,865
298. Niegel, C., Pfeiffer, S.A., Grundmann, M., Arroyo-Abad, U., **Mattusch, J.**, Matysik, F.-M. (2012):
Fast separations by capillary electrophoresis hyphenated to electrospray ionization time-of-flight mass spectrometry as a tool for arsenic speciation analysis
Analyst **137** (8), 1956 - 1962
Impact Factor: 4,23
299. Nielsen, A., Dauber, J., Kunin, W.E., Lamborn, E., Jauker, B., Moora, M., Potts, S.G., Reitan, T., Roberts, S., Söber, V., **Settele, J.**, Steffan-Dewenter, I., Stout, J.C., Tscheulin, T., Vaitis, M., Vivarelli, D., Biesmeijer, J.C., Petanidou, T. (2012):
Pollinator community responses to the spatial population structure of wild plants: a pan-European approach
Basic Appl. Ecol. **13** (6), 489 - 499
Impact Factor: 2,669

300. Nienstedt, K.M., Brock, T.C.M., Wensem, J., Montforts, M., Hart, A., Aagaard, A., Alix, A., Boesten, J., Bopp, S.K., Brown, C., Capri, E., Forbes, V., Köpp, H., **Liess, M.**, Luttik, R., Maltby, L., Sousa, J.P., Streissl, F., Hardy, A.R. (2012): Development of a framework based on an ecosystem services approach for deriving specific protection goals for environmental risk assessment of pesticides
Sci. Total Environ. **415**, 31 - 38
Impact Factor: 3,286
301. Niggemann, M., **Wiegand, T.**, Robledo-Arnuncio, J.J., Bialozyt, R. (2012): Marked point pattern analysis on genetic paternity data for uncertainty assessment of pollen dispersal kernels
J. Ecol. **100** (1), 264 - 276
Impact Factor: 5,044
302. **Nivala, J.**, Knowles, P., Dotro, G., García, J., Wallace, S. (2012): Clogging in subsurface-flow treatment wetlands: measurement, modeling and management
Water Res. **46** (6), 1625 - 1640
Impact Factor: 4,865
303. Oberender, J., Kung, J.W., **Seifert, J.**, **von Bergen, M.**, Boll, M. (2012): Identification and characterization of a succinyl-coenzyme A (CoA):benzoate CoA transferase in *Geobacter metallireducens*
J. Bacteriol. **194** (10), 2501 - 2508
Impact Factor: 3,825
304. Öckinger, E., Bergman, K.-O., **Franzén, M.**, Kadlec, T., Krauss, J., Kuussaari, M., Pöyry, J., Smith, H.G., Steffan-Dewenter, I., Bommarco, R. (2012): The landscape matrix modifies the effect of habitat fragmentation in grassland butterflies
Landscape Ecol. **27** (1), 121 - 131
Impact Factor: 3,061
305. Oelze, V.M., Koch, J.K., Kupke, K., Nehlich, O., Zäuner, S., Wahl, J., **Weise, S.M.**, Rieckhoff, S., Richards, M.P. (2012): Multi-isotopic analysis reveals individual mobility and diet at the early iron age monumental tumulus of Magdalenenberg, Germany
Am. J. Phys. Anthropol. **148** (3), 406 - 421
Impact Factor: 2,824
306. Oppel, S., Meirinho, A., Ramírez, I., Gardner, B., O'Connell, A.F., Miller, P.I., **Louzao, M.** (2012): Comparison of five modelling techniques to predict the spatial distribution and abundance of seabirds
Biol. Conserv. **156**, 94 - 104
Impact Factor: 4,115

307. Orendt, C., Wolfram, G., Adámek, Z., Jurajda, P., **Schmitt-Jansen, M.** (2012):
The response of macroinvertebrate community taxa and functional groups to pollution
along a heavily impacted river in Central Europe (Bílina River, Czech Republic)
Biologia **67** (1), 180 - 199
Impact Factor: ,557
308. Orozco, A.F., Kemna, A., Oberdörster, C., **Zschornack, L.**, Leven, C., Dietrich, P.,
, Weiss, H. (2012):
Delineation of subsurface hydrocarbon contamination at a former hydrogenation plant
using spectral induced polarization imaging
J. Contam. Hydrol. **136-137** , 131 - 144
Impact Factor: 2,324
309. Otto, C., Yovkova, V., **Aurich, A.**, Mauersberger, S., Barth, G. (2012):
Variation of the by-product spectrum during α -ketoglutaric acid production
from raw glycerol by overexpression of fumarase and pyruvate carboxylase
genes in *Yarrowia lipolytica*
Appl. Microbiol. Biotechnol. **95** (4), 905 - 917
Impact Factor: 3,425
310. Özkaynak, B., **Ring, I.**, Rauschmayer, F. (2012):
Editorial - Special issue from the European Society for Ecological Economics 2011
Conference: 'Advancing Ecological Economics: Theory and Practice'
Environmental Policy and Governance **22** (5), 293 - 294
311. **Paasche, H.**, Tronicke, J., **Dietrich, P.** (2012):
Zonal cooperative inversion of partially co-located data sets constrained by structural a
priori information
Near Surf. Geophys. **10** (2), 103 - 116
Impact Factor: ,945
312. Pan, X., **Wollschläger, U.**, Gerhards, H., Roth, K. (2012):
Optimization of multi-channel ground-penetrating radar for quantifying field-scale soil
water dynamics
J. Appl. Geophys. **82** , 101 - 109
Impact Factor: 1,444
313. Paul, A.G., **Hammen, V.**, Hickler, T., Karlson, U.G., Jones, K.C., Sweetman, A.J.
(2012):
Potential implications of future climate and land-cover changes for the fate and
distribution of persistent organic pollutants in Europe
Glob. Ecol. Biogeogr. **21** (1), 64 - 74
Impact Factor: 5,145

314. **Pause, M., Schulz, K., Zacharias, S., Lausch, A.** (2012):
Near-surface soil moisture estimation by combining airborne L-band brightness temperature observations and imaging hyperspectral data at the field scale
J. Appl. Remote Sens. **6**, art. 063516
Impact Factor: ,818
315. Pérez, I., **Anadón, J.D.**, Díaz, M., Nicola, G.G., Tella, J.L., Giménez, A. (2012):
What is wrong with current translocations? A review and a decision-making proposal
Front. Ecol. Environ. **10** (9), 494 - 501
Impact Factor: 9,113
316. Peter, A., **Lamert, H.**, Beyer, M., Hornbruch, G., Heinrich, B., **Schulz, A., Geistlinger, H.**, Schreiber, B., **Dietrich, P.**, Werban, U., **Vogt, C.**, Richnow, H.H., Großmann, J., Dahmke, A. (2012):
Investigation of the geochemical impact of CO₂ on shallow groundwater: design and implementation of a CO₂ injection test in Northeast Germany
Environ. Earth Sci. **67** (2), 335 - 349
Impact Factor: 1,059
317. **Petersen, T., Klauer, B.** (2012):
Staatliche Verantwortung für Umweltqualitätsstandards. Governance im Kontext der EG-Wasserrahmenrichtlinie - State responsibility for environmental quality standards. Governance in the context of the EC Water Framework Directive
GAIA **21** (1), 48 - 54
Impact Factor: ,638
318. Piazzon, M., Larrinaga, A.R., **Rodríguez-Pérez, J.**, Latorre, L., Navarro, L., Santamaría, L. (2012):
Seed dispersal by lizards on a continental-shelf island: predicting interspecific variation in seed rain based on plant distribution and lizard movement patterns
J. Biogeogr. **39** (11), 1984 - 1995
Impact Factor: 4,544
319. **Polishchuk, Y., Rauschmayer, F.** (2012):
Beyond “benefits”? Looking at ecosystem services through the capability approach
Ecol. Econ. **81**, 103 - 111
Impact Factor: 2,713
320. **Pörschmann, J., Koschorreck, M.**, Górecki, T. (2012):
Organic matter in sediments of an acidic mining lake as assessed by lipid analysis. Part I: Fatty acids
Sci. Total Environ. **414**, 614 - 623
Impact Factor: 3,286

321. **Prieto, A.**, Rodil, R., Quintana, J.B., Rodríguez, I., Cela, C., **Möder, M.** (2012): Evaluation of low-cost disposable polymeric materials for sorptive extraction of organic pollutants in water samples
Anal. Chim. Acta **716**, 119 - 127
Impact Factor: 4,555
322. Punzet, M., Voß, F., Voß, A., Kynast, E., **Bärlund, I.** (2012): A global approach to assess the potential impact of climate change on stream water temperatures and related in-stream first-order decay rates
J. Hydrometeorol. **13** (3), 1052 - 1065
Impact Factor: 3,052
323. **Purahong, W.**, **Krüger, D.** (2012): A better understanding of functional roles of fungi in the decomposition process: using precursor rRNA containing ITS regions as a marker for the active fungal community
Ann. For. Sci. **69** (6), 659 - 662
Impact Factor: 1,788
324. Queenborough, S.A., Metz, M.R., **Wiegand, T.**, Valencia, R. (2012): Palms, peccaries and perturbations: widespread effects of small-scale disturbance in tropical forests
BMC Ecology **12**:3
325. Quint, M., Drost, H.-G., Gabel, A., Ullrich, K.K., **Bönn, M.**, Grosse, I. (2012): A transcriptomic hourglass in plant embryogenesis
Nature **490**, 98 - 101
Impact Factor: 36,28
326. Radny, D., **Leven, C.**, **Flachowsky, J.**, Scheytt, T., **Dietrich, P.** (2012): Einsatz von Direct Push im Rahmen von Sanierungsuntersuchungen – Fallbeispiel Elsterwerda (Brandenburg). Application of Direct Push techniques for delineation of vertical variations in hydrochemistry at remediation sites—case study Elsterwerda (Brandenburg)
Grundwasser **17** (1), 7 - 17
Impact Factor: ,912
327. Ramus, K., **Kopinke, F.-D.**, Georgi, A. (2012): Influence of dissolved humic substances on the mass transfer of organic compounds across the air–water interface
Chemosphere **86** (2), 138 - 143
Impact Factor: 3,206

328. Ramus, K., **Kopinke, F.-D.**, Georgi, A. (2012):
Sorption-induced effects of humic substances on mass transfer of organic pollutants
through aqueous diffusion boundary layers: the example of water/air exchange
Environ. Sci. Technol. **46** (4), 2196 - 2203
Impact Factor: 5,228
329. Rao, W., Chen, J., **Tan, H.**, Jiang, S., Su, J. (2011):
Sr-Nd isotopic and REE geochemical constraints on the provenance of fine-grained sands
in the Ordos deserts, north-central China
Geomorphology **132** (3-4), 123 - 138
Impact Factor: 2,352
330. Rao, W., **Tan, H.**, Jiang, S., Chen, J. (2011):
Trace element and REE geochemistry of fine- and coarse-grained sands in the Ordos
deserts and links with sediments in surrounding areas
Chem. Erde-Geochem. **71** (2), 155 - 170
Impact Factor: 1,525
331. Rasigraf, O., **Vogt, C.**, Richnow, H.-H., Jetten, M.S.M., Ettwig, K.F. (2012):
Carbon and hydrogen isotope fractionation during nitrite-dependent
anaerobic methane oxidation by *Methylomirabilis oxyfera*
Geochim. Cosmochim. Acta **89** (July 2012), 256 - 264
Impact Factor: 4,259
332. **Rauschmayer, F.**, Omann, I. (2012):
Transition to sustainability: not only big, but deep
GAIA **21** (4), 266 - 268
Impact Factor: ,638
333. Raventós, J., **Wiegand, T.**, Maestre, F.T., De Luis, M. (2012):
A resprouter herb reduces negative density-dependent effects among neighboring seeders
after fire
Acta Oecol. - Int. J. Ecol. **38** , 17 - 23
Impact Factor: 1,57
334. Rayburn, A.P., **Wiegand, T.** (2012):
Individual species-area relationships and spatial patterns of species diversity in a Great
Basin, semi-arid shrubland
Ecography **35** (4), 341 - 347
Impact Factor: 4,188

335. Regestein, L., Wolf, A., Schneider, H.-J., **Maskow, T.**, Mertens, F., Büchs, J., Lerchner, J. (2012):
A chip calorimeter for the monitoring of conventional bioreactors at elevated cell concentrations
Thermochim. Acta **544**, 10 - 16
Impact Factor: 1,805
336. Reinhold, A., Westermann, M., **Seifert, J.**, **von Bergen, M.**, **Schubert, T.**, Diekert, G. (2012):
Impact of vitamin B₁₂ on the formation of the tetrachloroethene reductive dehalogenase in *Desulfitobacterium hafniense* strain Y51
Appl. Environ. Microb. **78** (22), 8025 - 8032
Impact Factor: 3,829
337. Renner, M., **Seppelt, R.**, Bernhofer, C. (2012):
Evaluation of water-energy balance frameworks to predict the sensitivity of streamflow to climate change
Hydrol. Earth Syst. Sci. **16** (5), 1419 - 1433
Impact Factor: 3,148
338. Renner, S.C., Neumann, D., Burkart, M., Feit, U., Giere, P., Gröger, A., **Paulsch, A.**, Paulsch, C., Sterz, M., Vohland, K. (2012):
Import and export of biological samples from tropical countries—considerations and guidelines for research teams
Org. Divers. Evol. **12** (1), 81 - 98
Impact Factor: 1,648
339. **Riedl, J.**, Klunder, C., Sans-Piché, F., Heilmeier, H., **Altenburger, R.**, **Schmitt-Jansen, M.** (2012):
Spatial and temporal variation in metabolic fingerprints of field-growing *Myriophyllum spicatum*
Aquat. Bot. **102**, 34 - 43
Impact Factor: 1,516
340. **Rink, K.**, **Kalbacher, T.**, **Kolditz, O.** (2012):
Visual data exploration for hydrological analysis
Environ. Earth Sci. **65** (5), 1395 - 1403
Impact Factor: 1,059
341. Risso-Buhl, U., Karsubke, M., Schlieff, J., Baschien, C., **Weitere, M.**, Mutz, M. (2012):
Aquatic protists modulate the microbial activity associated with mineral surfaces and leaf litter
Aquat. Microb. Ecol. **66** (2), 133 - 147
Impact Factor: 2,393

342. **Rodríguez-Pérez, J.**, Larrinaga, A.R., Santamaría, L. (2012):
Effects of frugivore preferences and habitat heterogeneity on seed rain: a multi-scale analysis
PLoS One **7** (3), e33246
Impact Factor: 4,092
343. **Rodríguez-Pérez, J.**, Traveset, A. (2012):
Demographic consequences for a threatened plant after the loss of its only disperser.
Habitat suitability buffers limited seed dispersal
Oikos **121** (6), 835 - 847
Impact Factor: 3,061
344. **Rodríguez-Pérez, J.**, Wiegand, T., Santamaria, L. (2012):
Frugivore behaviour determines plant distribution: a spatially-explicit analysis of a plant-disperser interaction
Ecography **35** (2), 113 - 123
Impact Factor: 4,188
345. **Rodríguez-Pérez, J.**, Wiegand, T., Traveset, A. (2012):
Adult proximity and frugivore's activity structure the spatial pattern in an endangered plant
Funct. Ecol. **26** (5), 1221 - 1229
Impact Factor: 4,567
346. Rogger, M., Kohl, B., Pirk, H., Viglione, A., Komma, J., Kirnbauer, R., **Merz, R.**, Blöschl, G. (2012):
Runoff models and flood frequency statistics for design flood estimation in Austria – Do they tell a consistent story?
J. Hydrol. **456–457** , 30 - 43
Impact Factor: 2,656
347. Rogger, M., Pirk, H., Viglione, A., Komma, J., Kohl, B., Kirnbauer, R., **Merz, R.**, Blöschl, G. (2012):
Step changes in the flood frequency curve: Process controls
Water Resour. Res. **48** , W05544
Impact Factor: 2,957
348. Rolland, J., Cadotte, M.W., Davies, J., Devictor, V., Lavergne, S., Mouquet, N., Pavoine, S., Rodrigues, A., Thuiller, W., Turcati, L., **Winter, M.**, Zupan, L., Jabot, F., Morlon, H. (2012):
Using phylogenies in conservation: new perspectives
Biol. Lett. **8** (5), 692 - 694
Impact Factor: 3,762

349. Romero, H., Vásquez, A., Fuentes, C., Salgado, M., Schmidt, A., **Banzhaf, E.** (2012): Assessing urban environmental segregation (UES). The case of Santiago de Chile *Ecol. Indic.* **23**, 76 - 87
Impact Factor: 2,695
350. Rontani, J.-F., Charriere, B., Petit, M., Vaultier, F., **Heipieper, H.-J.**, Link, H., Chaillou, G., Sempéré, R. (2012): Degradation state of organic matter in surface sediments from the Southern Beaufort Sea: a lipid approach *Biogeosciences* **9** (9), 3513 - 3530
Impact Factor: 3,859
351. **Roscher, C.**, Schumacher, J., Gubsch, M., Lipowsky, A., Weigelt, A., Buchmann, N., Schmid, B., Schulze, E.-D. (2012): Using plant functional traits to explain diversity–productivity relationships *PLoS One* **7** (5), e36760
Impact Factor: 4,092
352. **Rosell, M., Gonzalez-Olmos, R., Rohwerder, T., Rusevova, K., Georgi, A., Kopinke, F.-D., Richnow, H.H.** (2012): Critical evaluation of the 2D-CSIA scheme for distinguishing fuel oxygenate degradation reaction mechanisms *Environ. Sci. Technol.* **46** (9), 4757 - 4766
Impact Factor: 5,228
353. Rozzi, R., Armesto, J., Anderson, C., Massardo, F., Poole, A., Moses, K., Hargrove, E., Mansilla, A., Kennedy, J., Willson, M., **Jax, K.**, Jones, C., Callicott, J.B., Arroyo, M.K. (2012): Integrating ecology and environmental ethics: earth stewardship in the southern end of the America *Bioscience* **62** (3), 226 - 236
Impact Factor: 4,621
354. **Rudolph, N., Esser, H.G., Carminati, A., Moradi, A.B., Hilger, A., Kardjilov, N., Nagl, S., Oswald, S.E.** (2012): Dynamic oxygen mapping in the root zone by fluorescence dye imaging combined with neutron radiography *J. Soils Sediments* **12** (1), 63 - 74
Impact Factor: 1,863
355. Ruigrok, V.J.B., van Duijn, E., Barendregt, A., Dyer, K., Tainer, J.A., **Stoltenburg, R., Strehlitz, B.**, Levisson, M., Smidt, H., van der Oost, J. (2012): Kinetic and stoichiometric characterisation of streptavidin-binding aptamers *ChemBioChem* **13** (6), 829 - 836
Impact Factor: 3,944

356. **Rusevova, K., Kopinke, F.-D., Georgi, A.** (2012):
Nano-sized magnetic iron oxides as catalysts for heterogeneous Fenton-like reactions—Influence of Fe(II)/Fe(III) ratio on catalytic performance
J. Hazard. Mater. **241-242**, 433 - 440
Impact Factor: 4,173
357. **Rusevova, K., Kopinke, F.-D., Georgi, A.** (2012):
Stabilization of potassium permanganate particles with manganese dioxide
Chemosphere **86** (8), 783 - 788
Impact Factor: 3,206
358. Rusznyák, A., Akob, D.M., Nietzsche, S., Eusterhues, K., Totsche, K.U., **Neu, T.R.**, Frosch, T., Popp, J., Keiner, R., Geletneky, J., Katzschatmann, L., Schulze, E.-D., Küsel, K. (2012):
Calcite biomineralization by bacterial isolates from the recently discovered pristine karstic Herrenberg Cave
Appl. Environ. Microb. **78** (4), 1157 - 1167
Impact Factor: 3,829
359. Rybicki, M., Winkelmann, C., **Hellmann, C., Bartels, P.**, Jungmann, D. (2012):
Herbicide indirectly reduces physiological condition of a benthic grazer
Aquat. Biol. **17** (2), 153 - 166
Impact Factor: 1,474
360. Sabais, A.C.W., Eisenhauer, N., **König, S., Renker, C.**, Buscot, F., Scheu, S. (2012):
Soil organisms shape the competition between grassland plant species
Oecologia **170** (4), 1021 - 1032
Impact Factor: 3,412
361. Santos, R., **Ring, I.**, Antunes, P., Clemente, P. (2012):
Fiscal transfers for biodiversity conservation: the Portuguese Local Finances Law
Land Use Pol. **29** (2), 261 - 273
Impact Factor: 2,292
362. **Savonina, E.Y., Fedotov, P.S., Wennrich, R.** (2012):
Continuous-flow fractionation of selenium in contaminated sediment and soil samples using rotating coiled column and microcolumn extraction
Talanta **88**, 369 - 374
Impact Factor: 3,794
363. Schaedler, S., Morio, M., **Bartke, S.**, Finkel, M. (2012):
Integrated planning and spatial evaluation of megasite remediation and reuse options
J. Contam. Hydrol. **127** (1-4), 88 - 100
Impact Factor: 2,324

364. Schäfer, F., Schuster, J., Würz, B., Härtig, C., Harms, H., Müller, R.H., Rohwerder, T. (2012):
Synthesis of short-chain diols and unsaturated alcohols from secondary alcohol substrates by the Rieske nonheme mononuclear iron oxygenase MdpJ
Appl. Environ. Microb. **78** (17), 6280 - 6284
Impact Factor: 3,829
365. Schäfer, R.B., Bundschuh, M., Rouch, D.A., Szöcs, E., von der Ohe, P.C., Pettigrove, V., Schulz, R., Nugegoda, D., Kefford, B.J. (2012):
Effects of pesticide toxicity, salinity and other environmental variables on selected ecosystem functions in streams and the relevance for ecosystem services
Sci. Total Environ. **415**, 69 - 78
Impact Factor: 3,286
366. Schäfer, R.B., von der Ohe, P.C., Rasmussen, J., Kefford, B.J., Beketov, M., Schulz, R., Liess, M. (2012):
Thresholds for the effects of pesticides on invertebrate communities and leaf breakdown in stream ecosystems
Environ. Sci. Technol. **46** (9), 5134 - 5142
Impact Factor: 5,228
367. Schäfer, T., Hanke, M.-V., Flachowsky, H., König, S., Peil, A., Kaldorf, M., Polle, A., Buscot, F. (2012):
Chitinase activities, scab resistance, mycorrhization rates and biomass of own-rooted and grafted transgenic apple
Genet. Mol. Biol. **35** (2), 466 - 473
Impact Factor: ,634
368. Scharroba, A., Dibbern, D., Hünninghaus, M., Kramer, S., Moll, J., Butenschoen, O., Bonkowski, M., Buscot, F., Kandeler, E., Koller, R., Krüger, D., Lueders, T., Scheu, S., Ruess, L. (2012):
Effects of resource availability and quality on the structure of the micro-food web of an arable soil across depth
Soil Biol. Biochem. **50**, 1 - 11
Impact Factor: 3,504
369. Scheifhachen, N., Haase, U., Gram-Radu, L., Kozovyi, R., Berendonk, T.U. (2012):
How to assess hydromorphology? A comparison of Ukrainian and German approaches
Environ. Earth Sci. **65** (5), 1483 - 1499
Impact Factor: 1,059

370. Schenzel, J., **Goss, K.-U.**, Schwarzenbach, R.P., Bucheli, T.D., **Droge, S.T.J.** (2012): Experimentally determined soil organic matter–water sorption coefficients for different classes of natural toxins and comparison with estimated numbers
Environ. Sci. Technol. **46** (11), 6118 - 6126
Impact Factor: 5,228
371. **Schetke, S., Haase, D.**, Kötter, T. (2012): Towards sustainable settlement growth: a new multi-criteria assessment for implementing environmental targets into strategic urban planning
Environ. Impact Assess. Rev. **32** (1), 195 - 210
Impact Factor: 2,596
372. Schillinger, E., **Möder, M.**, Olsson, G.D., Nicholls, I.A., Sellergren, B. (2012): An artificial estrogen receptor through combinatorial imprinting
Chem.-Eur. J. **18** (46), 14773 - 14783
Impact Factor: 5,925
373. **Schlüter, M.**, McAllister, R.R.J., Arlinghaus, R., Bunnefeld, N., Eisenack, K., Höller, F., Milner-Gulland, E.J., **Müller, B.**, **Nicholson, E.**, Quaas, M., Stöven, M. (2012): New horizons for managing the environment: a review of coupled social-ecological systems modeling
Nat. Resour. Model. **25** (1), 219 - 272
Impact Factor: ,556
374. **Schlüter, S.**, Vanderborght, J., **Vogel, H.-J.** (2012): Hydraulic non-equilibrium during infiltration induced by structural connectivity
Adv. Water Resour. **44** , 101 - 112
Impact Factor: 2,449
375. **Schlüter, S.**, **Vogel, H.-J.**, Ippisch, O., Bastian, P., Roth, K., Schelle, H., Durner, W., Kasteel, R., Vanderborght, J. (2012): Virtual soils: assessment of the effects of soil structure on the hydraulic behavior of cultivated soils
Vadose Zone J. **11** (4), doi:10.2136/vzj2011.0174
Impact Factor: 1,647
376. Schmelzbach, C., Tronicke, J., **Dietrich, P.** (2012): High-resolution water content estimation from surface-based ground-penetrating radar reflection data by impedance inversion
Water Resour. Res. **48** , W08505
Impact Factor: 2,957

377. **Schmidt, C., Musolff, A., Trauth, N., Vieweg, Michael, Fleckenstein, J.H.** (2012): Transient analysis of fluctuations of electrical conductivity as tracer in the stream bed
Hydrol. Earth Syst. Sci. **16** (10), 3689 - 3697
Impact Factor: 3,148
378. **Schneider, M., Goss, K.-U.** (2012): Volatilization modeling of two herbicides from soil in a wind tunnel experiment under varying humidity conditions
Environ. Sci. Technol. **46** (22), 12527 - 12533
Impact Factor: 5,228
379. **Schneider, M., Goss, K.-U.** (2012): Prediction of the water sorption isotherm in air dry soils
Geoderma **170** (1), 64 - 69
Impact Factor: 2,318
380. **Schneider, M., Goss, K.-U.** (2012): Prediction of water retention curves for dry soils from an established pedotransfer function: Evaluation of the Webb model
Water Resour. Res. **48**, W06603
Impact Factor: 2,957
381. Schnitzler, J., Graham, C.H., **Dormann, C.F.**, Schiffers, K., Linder, H.P. (2012): Climatic niche evolution and species diversification in the Cape flora, South Africa
J. Biogeogr. **39** (12), 2201 - 2211
Impact Factor: 4,544
382. **Scholz, S.** (2012): Special issue: zebrafish teratogenesis
Reprod. Toxicol. **33** (2), 127 - 127
Impact Factor: 3,226
383. Schrey, S.D., Erkenbrack, E., Früh, E., Fengler, S., **Hommel, K.**, Horlacher, N., Schulz, D., Ecke, M., Kulik, A., Fiedler, H.P., Hampp, R., **Tarkka, M.T.** (2012): Production of fungal and bacterial growth modulating secondary metabolites is widespread among mycorrhiza-associated streptomycetes
BMC Microbiol. **12:164**
Impact Factor: 3,044
384. **Schubert, M., Paschke, A., Bednorz, D., Bürkin, W., Stieglitz, T.** (2012): Kinetics of the water/air phase transition of radon and its implication on detection of radon-in-water concentrations: practical assessment of different on-site radon extraction methods
Environ. Sci. Technol. **46** (16), 8945 - 8951
Impact Factor: 5,228

385. **Schubert, M., Paschke, A.**, Lieberman, E., Burnett, W.C. (2012):
Air-water partitioning of Rn-222 and its dependence on water temperature and salinity
Environ. Sci. Technol. **46** (7), 3905 - 3911
Impact Factor: 5,228
386. Schuldt, A., Bruelheide, H., **Durka, W.**, Eichenberg, D., Fischer, M., Kröber, W., Härdtle, W., Ma, K., **Michalski, S.G.**, Palm, W.U., Schmid, B., Welk, E., Zhou, H., Assmann, T. (2012):
Plant traits affecting herbivory on tree recruits in highly diverse subtropical forests
Ecol. Lett. **15** (7), 732 - 739
Impact Factor: 17,557
387. **Schulz, A., Vogt, C., Lamert, H.**, Peter, A., Heinrich, B., Dahmke, A., **Richnow, H.-H.** (2012):
Monitoring of a simulated CO₂ leakage in a shallow aquifer using stable carbon isotopes
Environ. Sci. Technol. **46** (20), 11243 - 11250
Impact Factor: 5,228
388. **Schulz, A., Vogt, C., Richnow, H.H.** (2012):
Effects of high CO₂ concentrations on ecophysiological different microorganisms
Environ. Pollut. **169** , 27 - 34
Impact Factor: 3,746
389. **Schulz, H., Schäfer, T.**, Storbeck, V., Härtling, V., **Rudloff, R.**, Köck, M., Buscot, F. (2012):
Effect of raw humus under two adult Scots pine stands on ectomycorrhization, nutritional status, nitrogen uptake, phosphorus uptake and growth of *P. sylvestris* seedlings
Tree Physiol. **32** (1), 36 - 48
Impact Factor: 2,876
390. Schulz, S., **Giebler, J.**, Chatzinotas, A., Wick, L.Y., Fetzer, I., Welzl, G., Harms, H., Schloter, M. (2012):
Plant litter and soil type drive abundance, activity and community structure of alkB harbouring microbes in different soil compartments
ISME J. **6** , 1763 - 1774
Impact Factor: 7,375
391. **Schulz, S.**, Yuyunkina, T., Pagel, H., **Wick, L.Y.**, Poll, C., Streck, T., Kandeler, E., Schloter, M. (2012):
The influence of the herbicide 2-methyl-4-chlorophenoxyacetic acid (MCPA) on the mineralization of litter-derived alkanes and the abundance of the alkane monooxygenase gene (*alkB*) in the detritusphere of *Pisum sativum* (L.)
Biol. Fert. Soils **48** (8), 933 - 940
Impact Factor: 2,319

392. **Schulze, T.**, Magerl, R., **Streck, G.**, **Brack, W.** (2012):
Use of factorial design for the multivariate optimization of polypropylene membranes for the cleanup of environmental samples using the accelerated membrane-assisted cleanup approach
J. Chromatogr. A **1225**, 26 - 36
Impact Factor: 4,531
393. **Schulze, T.**, Seiler, T.-B., **Streck, G.**, Braunbeck, T., Hollert, H. (2012):
Comparison of different exhaustive and biomimetic extraction techniques for chemical and biological analysis of polycyclic aromatic compounds in river sediments
J. Soils Sediments **12** (9), 1419 - 1434
Impact Factor: 1,863
394. Schurr, F.M., Pagel, J., Cabral, J.S., **Groeneveld, J.**, Bykova, O., O'Hara, R.B., **Hartig, F.**, Kissling, W.D., Linder, H.P., Midgley, G.F., Schröder, B., **Singer, A.**, Zimmermann, N.E. (2012):
How to understand species' niches and range dynamics: a demographic research agenda for biogeography
J. Biogeogr. **39** (12), 2146 - 2162
Impact Factor: 4,544
395. **Schuster, J.**, **Schäfer, F.**, Hübler, N., **Brandt, A.**, Rosell, M., **Härtig, C.**, **Harms, H.**, **Müller, R.H.**, **Rohwerder, T.** (2012):
Bacterial degradation of tert-amyl alcohol proceeds via hemiterpene 2-methyl-3-buten-2-ol by employing the tertiary alcohol desaturase function of the rieske nonheme mononuclear iron oxygenase MdpJ
J. Bacteriol. **194** (5), 972 - 981
Impact Factor: 3,825
396. **Schütze, C.**, **Sauer, U.**, Beyer, K., **Lamert, H.**, **Bräuer, K.**, **Strauch, G.**, Flechsig, C., Kämpf, H., **Dietrich, P.** (2012):
Natural analogues: a potential approach for developing reliable monitoring methods to understand subsurface CO₂ migration processes
Environ. Earth Sci. **67** (2), 411 - 423
Impact Factor: 1,059
397. **Schütze, C.**, **Vienken, T.**, **Werban, U.**, **Dietrich, P.**, **Leven, C.** (2012):
Joint application of geophysical methods and Direct Push-soil gas surveys for the improved delineation of buried fault zones
J. Appl. Geophys. **82** (July 2012), 129 - 136
Impact Factor: 1,444

398. **Schwarz, N.** (2012):
Comment on “Surface urban heat island across 419 global big cities”
Environ. Sci. Technol. **46** (12), 6888 - 6888
Impact Factor: 5,228
399. **Schwarz, N., Kahlenberg, D., Haase, D., Seppelt, R.** (2012):
ABMland - a tool for agent-based model development on urban land use change
JASSS **15** (2), 8
Impact Factor: 1,156
400. **Schwarze, R.** (2012):
Insurance law and economics research for natural hazard management in a changing climate
Geneva Pap. Risk Insur.-Issues Pract. **37** (2), 201 - 205
Impact Factor: ,533
401. **Schweiger, O., Heikkinen, R.K., Harpke, A., Hickler, T., Klotz, S., Kudrna, O., Kühn, I., Pöyry, J., Settele, J.** (2012):
Increasing range mismatching of interacting species under global change is related to their ecological characteristics
Glob. Ecol. Biogeogr. **21** (1), 88 - 99
Impact Factor: 5,145
402. Schymanski, E.L., Gallampois, C.M.J., **Krauss, M.**, Meringer, M., Neumann, S., **Schulze, T.**, Wolf, S., **Brack, W.** (2012):
Consensus structure elucidation combining GC/EI-MS, structure generation and calculated properties
Anal. Chem. **84** (7), 3287 - 3295
Impact Factor: 5,856
403. **Seifert, J., Taubert, M., Jehmlich, N., Schmidt, F., Völker, U., Vogt, C., Richnow, H.H., von Bergen, M.** (2012):
Protein-based stable isotope probing (protein-SIP) in functional metaproteomics
Mass Spectrom. Rev. **31** (6), 683 - 697
Impact Factor: 10,461
404. **Seppelt, R., Fath, B., Burkhard, B., Fisher, J.L., Grêt-Regamey, A., Lautenbach, S.**, Perth, P., Hotes, S., **Spangenberg, J.H.**, Verburg, P.H., Van Oudenhoven, A.P.E. (2012):
Form follows function? Proposing a blueprint for ecosystem service assessments based on reviews and case studies
Ecol. Indic. **21** , 145 - 154
Impact Factor: 2,695

405. Seto, K.C., Reenberg, A., Boone, C.G., Fragkias, M., **Haase, D.**, Langanke, T., Marcotullio, P., Munroe, D.K., Olah, B., Simon, D. (2012):
Urban land teleconnections and sustainability
Proc. Natl. Acad. Sci. U.S.A. **109** (20), 7687 - 7692
Impact Factor: 9,681
406. **Settele, J.**, Carter, T.R., **Kühn, I.**, **Spangenberg, J.H.**, Sykes, M.T. (2012):
Scenarios as a tool for large-scale ecological research: experiences and legacy of the ALARM project
Glob. Ecol. Biogeogr. **21** (1), 1 - 4
Impact Factor: 5,145
407. **Shi, M.-M.**, Chen, X.-Y. (2012):
Leading-edge populations do not show low genetic diversity or high differentiation in a wind-pollinated tree
Popul. Ecol. **54** (4), 591 - 600
Impact Factor: 2,287
408. **Siebert, C.**, Rosenthal, P., Möller, P., **Rödiger, T.**, Meiler, M. (2012):
The hydrochemical identification of groundwater flowing to the Bet She'an-Harod multiaquifer system (Lower Jordan Valley) by rare earth elements, yttrium, stable isotopes (H, O) and tritium
Appl. Geochem. **27** (3), 703 - 714
Impact Factor: 2,176
409. **Siegfried, K.**, Endes, C., Bhuiyan, A.F.M.K., **Kuppardt, A.**, **Mattusch, J.**, van der Meer, J.R., **Chatzinotas, A.**, **Harms, H.** (2012):
Field testing of arsenic in groundwater samples of Bangladesh using a test kit based on lyophilized bioreporter bacteria
Environ. Sci. Technol. **46** (6), 3281 - 3287
Impact Factor: 5,228
410. **Sigel, K.**, Altantuul, K., Basandorj, D. (2012):
Household needs and demand for improved water supply and sanitation in peri-urban ger areas: the case of Darkhan, Mongolia
Environ. Earth Sci. **65** (5), 1561 - 1566
Impact Factor: 1,059
411. **Singer, A.**, Smith, G.C. (2012):
Emergency rabies control in a community of two high-density hosts
BMC Vet. Res. **8:79**
Impact Factor: 2

412. **Singh, A.K.**, Pilz, P., Zimmer, M., **Kalbacher, T.**, **Görke, U.-J.**, **Kolditz, O.** (2012):
Numerical simulation of tracer transport in the Altmark gas field
Environ. Earth Sci. **67** (2), 537 - 548
Impact Factor: 1,059
413. Slobodnik, J., Mrafkova, L., Carere, M., Ferrara, F., Pennelli, B., **Schüürmann, G.**, **von der Ohe, P.C.** (2012):
Identification of river basin specific pollutants and derivation of environmental quality standards: a case study in the Slovak Republic
Trac-Trends Anal. Chem. **41**, 133 - 154
Impact Factor: 6,273
414. Solé, M., Müller, I., **Pecyna, M.J.**, **Fetzer, I.**, **Harms, H.**, **Schlosser, D.** (2012):
Differential regulation by organic compounds and heavy metals of multiple laccase genes in the aquatic hyphomycete *Clavariopsis aquatica*
Appl. Environ. Microb. **78** (13), 4732 - 4739
Impact Factor: 3,829
415. **Spangenberg, J.H.** (2012):
Too simple to be true. A response to B. Alcott
J. Clean Prod. **21** (1), 93 - 95
Impact Factor: 2,727
416. **Spangenberg, J.H.**, Bondeau, A., Carter, T.R., Fronzek, S., Jaeger, J., Jylhä, K., **Kühn, I.**, Omann, I., Paul, A., Reginster, I., Rounsevell, M., **Schweiger, O.**, Stocker, A., Sykes, M.T., **Settele, J.** (2012):
Scenarios for investigating risks to biodiversity
Glob. Ecol. Biogeogr. **21** (1), 5 - 18
Impact Factor: 5,145
417. Steele-Dunne, S.C., **Friesen, J.**, van de Giesen, N. (2012):
Using diurnal variation in backscatter to detect vegetation water stress
IEEE Trans. Geosci. Remote Sensing **50** (7), 2618 - 2629
Impact Factor: 2,895
418. Steinführer, A., **Kuhlicke, C.** (2012):
Soziale Verwundbarkeit gegenüber Hochwasser: Lehren aus der Elbeflut 2002. Social vulnerability to flooding: lessons learned from the Elbe flood 2002
GAIA **21** (3), 202 - 209
Impact Factor: ,638

419. **Stenzel, A., Endo, S., Goss, K.-U.** (2012):
Measurements and predictions of hexadecane/air partition coefficients for 387
environmentally relevant compounds
J. Chromatogr. A **1220**, 132 - 142
Impact Factor: 4,531
420. **Stolpovsky, K., Gharasoo, M., Thullner, M.** (2012):
The impact of pore-size heterogeneities on the spatiotemporal variation of microbial
metabolic activity in porous media
Soil Sci. **177** (2), 98 - 110
Impact Factor: 1,144
421. **Stoltenburg, R., Nikolaus, N., Strehlitz, B.** (2012):
Capture-SELEX: selection of DNA aptamers for aminoglycoside antibiotics
Journal of Analytical Methods in Chemistry **2012**, article ID 415697
422. Strähle, U., **Scholz, S.**, Geisler, R., Greiner, P., Hollert, H., Rastegar, S., Schumacher, A.,
Selderslaghs, I., Weiss, C., Witters, H., Braunbeck, T. (2012):
Zebrafish embryos as an alternative to animal experiments - a commentary on the
definition of the onset of protected life stages in animal welfare regulations
Reprod. Toxicol. **33** (2), 128 - 132
Impact Factor: 3,226
423. **Strauch, G., Krumbiegel, P.** (2012):
Lost Papers (4)
Isot. Environ. Health Stud. **48** (2), 207 - 207
Impact Factor: ,9
424. Strauch, M., Bernhofer, C., Koide, S., **Volk, M.**, Lorz, C., Makeschin, F. (2012):
Using precipitation data ensemble for uncertainty analysis in SWAT streamflow
simulation
J. Hydrol. **414-415**, 413 - 424
Impact Factor: 2,656
425. Strausz, M., Fiedler, K., **Franzén, M.**, Wiemers, M. (2012):
Habitat and host plant use of the Large Copper Butterfly *Lycaena dispar* in an urban
environment
J. Insect Conserv. **16** (5), 709 - 721
Impact Factor: 1,688
426. **Strohbach, M.W., Arnold, E., Haase, D.** (2012):
The carbon footprint of urban green space - a life cycle approach
Landsc. Urban Plan. **104** (2), 220 - 229
Impact Factor: 2,173

427. **Strohbach, M.W., Haase, D.** (2012):
Above-ground carbon storage by urban trees in Leipzig, Germany: analysis of patterns in a European city
Landsc. Urban Plan. **104** (1), 95 - 104
Impact Factor: 2,173
428. Sultana, M., Vogler, S., Zargar, K., Schmidt, A.C., Saltikov, C., **Seifert, J.**, Schlömann, M. (2012):
New clusters of arsenite oxidase and unusual bacterial groups in enrichments from arsenic-contaminated soil
Arch. Microbiol. **194** (7), 623 - 635
Impact Factor: 1,431
429. **Sun, F., Shao, H., Wang, W., Bilke, L., Yang, Z., Huang, Z., Kolditz, O.** (2012):
Groundwater deterioration in Nan-kou - a suburban area of Beijing: data assessment and remediation scenarios
Environ. Earth Sci. **67** (6), 1573 - 1586
Impact Factor: 1,059
430. **Taubert, F., Frank, K., Huth, A.** (2012):
A review of grassland models in the biofuel context
Ecol. Model. **245** , 84 - 93
Impact Factor: 2,326
431. **Taubert, M., Vogt, C., Wubet, T., Kleinstreuber, S., Tarkka, M.T., Harms, H.**, Buscot, F., **Richnow, H.-H., von Bergen, M., Seifert, J.** (2012):
Protein-SIP enables time-resolved analysis of the carbon flux in a sulfate-reducing, benzene-degrading microbial consortium
ISME J. **6** (12), 2291 - 2301
Impact Factor: 7,375
432. **Thaens, D., Heinzelmann, D., Böhme, A., Paschke, A., Schüürmann, G.** (2012):
Chemoassay screening of DNA-reactive mutagenicity with 4-(4-nitrobenzyl)pyridine — application to epoxides, oxetanes, and sulfur heterocycles
Chem. Res. Toxicol. **25** (10), 2092 - 2102
Impact Factor: 3,779
433. Thiele, J.C., Kurth, W., **Grimm, V.** (2012):
RNetLogo: an R package for running and exploring individual-based models implemented in NetLogo
Methods Ecol. Evol. **3** (3), 480 - 483
Impact Factor: 5,093

434. Thiele, J.C., Kurth, W., **Grimm, V.** (2012):
Agent-based modelling: tools for linking NetLogo and R
JASSS **15** (3), art. 8
Impact Factor: 1,156
435. Thompson, A.W., Foster, R.A., Krupke, A., Carter, B.J., **Musat, N.**, Vaulot, D., Kuypers, M.M.M., Zehr, J.P. (2012):
Unicellular cyanobacterium symbiotic with a single-celled eukaryotic alga
Science **337** (6101), 1546 - 1550
Impact Factor: 31,201
436. **Thullner, M., Centler, F., Richnow, H.-H., Fischer, A.** (2012):
Quantification of organic pollutant degradation in contaminated aquifers using compound specific stable isotope analysis – Review of recent developments
Org. Geochem. **42** (12), 1440 - 1460
Impact Factor: 2,785
437. **Tischer, K., Zeder, M., Klug, R., Pernthaler, J., Schattenhofer, M., Harms, H., Wendeberg, A.** (2012):
Fluorescence *in situ* hybridization (CARD-FISH) of microorganisms in hydrocarbon contaminated aquifer sediment samples
Syst. Appl. Microbiol. **35** (8), 526 - 532
Impact Factor: 3,366
438. **Tittel, J., Büttner, O., Kamjunke, N.** (2012):
Non-cooperative behaviour of bacteria prevents efficient phosphorus utilization of planktonic communities
J. Plankton Res. **34** (2), 102 - 112
Impact Factor: 2,079
439. Topping, C.J., Dalkvist, T., **Grimm, V.** (2012):
Post-hoc pattern-oriented testing and tuning of an existing large model: lessons from the field vole
PLoS One **7** (9), e45872
Impact Factor: 4,092
440. Trávníček, P., Jersáková, J., Kubátová, B., Krejčíková, J., Bateman, R.M., Lučanová, M., Krajiníková, E., Těšitelová, T., Štípková, Z., Amardeilh, J.-P., Brzosko, E., Jermakowicz, E., Cabanne, O., **Durka, W.**, Efimov, P., Hedrén, M., Hermosilla, C.E., Kreutz, K., Kull, T., Tali, K., Marchand, O., Rey, M., Schiest, F.P., Čurn, V., Suda, J. (2012):
Minority cytotypes in European populations of the *Gymnadenia conopsea complex* (Orchidaceae) greatly increase intraspecific and intrapopulation diversity
Ann. Bot. **110** (5), 977 - 986
Impact Factor: 4,03

441. Trolle, D., Hamilton, D.P., Hipsey, M.R., Bolding, K., Bruggeman, J., Mooij, W.M., Janse, J.H., Nielsen, A., Jeppesen, E., Elliott, J.A., Makler-Pick, V., Petzoldt, T., **Rinke, K.**, Flindt, M.R., Arhonditsis, G.B., Gal, G., Bjerring, R., Tominaga, K., 't Hoen, J., Downing, A.S., Marques, D.M., Fragoso, C.R.Jr., Søndergaard, M., Hanson, P.C. (2012):
A community-based framework for aquatic ecosystem models
Hydrobiologia **683** (1), 25 - 34
Impact Factor: 1,784
442. **Trommler, U., Kraus, M., Verges, M., Holzer, F., Roland, U.** (2012):
Adsorptive Deodorierung von Erdgas
Chem. Ing. Tech. **84** (8), 1277 - 1278
Impact Factor: ,589
443. Tronicke, J., **Paasche, H.**, Böniger, U. (2012):
Crosshole travelttime tomography using particle swarm optimization: A near-surface field example
Geophysics **77** (1), R19 - R32
Impact Factor: 1,418
444. Tscharntke, T., Tylianakis, J.M., Rand, T.A., Didham, R.K., Fahrig, L., Batáry, P., Bengtsson, J., Clough, Y., Crist, T.O., **Dormann, C.F.**, Ewers, R.M., Fründ, J., Holt, R.D., Holzschuh, A., Klein, A.M., Kleijn, D., Kremen, C., Landis, D.A., Laurance, W., Lindenmayer, D., Scherber, C., Sodhi, N., Steffan-Dewenter, I., Thies, C., van der Putten, W.H., Westphal, C. (2012):
Landscape moderation of biodiversity patterns and processes - eight hypotheses
Biol. Rev. **87** (3), 661 - 685
Impact Factor: 9,067
445. **Ulrich, N., Mühlenberg, J., Retzbach, H., Schüürmann, G., Brack, W.** (2012):
Linear solvation energy relationships as classifiers in non-target analysis – a gas chromatographic approach
J. Chromatogr. A **1264** , 95 - 103
Impact Factor: 4,531
446. **Vaclavik, T.**, Kupfer, J.A., Meentemeyer, R.K. (2012):
Accounting for multi-scale spatial autocorrelation improves performance of invasive species distribution modelling (iSDM)
J. Biogeogr. **39** (1), 42 - 55
Impact Factor: 4,544

447. **Vaclavik, T.**, Meentemeyer, R.K. (2012):
Equilibrium or not? Modelling potential distribution of invasive species in different stages of invasion
Divers. Distrib. **18** (1), 73 - 83
Impact Factor: 4,83
448. van Dam, J.W., Negri, A.P., Mueller, J.F., **Altenburger, R.**, Uthicke, S. (2012):
Additive pressures of elevated sea surface temperatures and herbicides on symbiont-bearing foraminifera
PLoS One **7** (3), e33900
Impact Factor: 4,092
449. Vendelboe, A.L., Schjønning, P., Moldrup, P., Jin, Y., **Merbach, I.**, de Jonge, L.W. (2012):
Colloid release from differently managed loess soil
Soil Sci. **177** (5), 301 - 309
Impact Factor: 1,144
450. **Vienken, T.**, Leven-Pfister, C., Dietrich, P. (2012):
Use of CPT and other direct push methods for (hydro-) stratigraphic aquifer characterization — a field study
Can. Geotech. J. **49** (2), 197 - 206
Impact Factor: ,867
451. Viergutz, C., Linn, C., **Weitere, M.** (2012):
Intra- and interannual variability surpasses direct temperature effects on the clearance rates of the invasive clam *Corbicula fluminea*
Mar. Biol. **159** (11), 2379 - 2387
Impact Factor: 2,276
452. Viglione, A., Castellarin, A., Rogger, M., **Merz, R.**, Blösch, G. (2012):
Extreme rainstorms: comparing regional envelope curves to stochastically generated events
Water Resour. Res. **48** , W01509
Impact Factor: 2,957
453. **Völler, E.**, Auge, H., Prati, D., Fischer, M., Hemp, A., **Bosendorf, O.** (2012):
Geographical and land-use effects on seed-mass variation in common grassland plants
Basic Appl. Ecol. **13** (5), 395 - 404
Impact Factor: 2,669
454. **von der Ohe, P.C.**, Schmitt-Jansen, M., Slobodnik, J., **Brack, W.** (2012):
Triclosan – the forgotten priority substance?
Environ. Sci. Pollut. Res. **19** (2), 585 - 591
Impact Factor: 2,651

455. von Wehrden, H., **Hanspach, J.**, Kaczensky, P., Fischer, J., Wesche, K. (2012): Global assessment of the non-equilibrium concept in rangelands
Ecol. Appl. **22** (2), 393 - 399
Impact Factor: 5,102
456. Voronin, V., Ivlev, A.A., Oskolkov, V., **Boettger, T.** (2012): Intra-seasonal dynamics in metabolic processes of $^{13}\text{C}/^{12}\text{C}$ and $^{18}\text{O}/^{16}\text{O}$ in components of Scots pine twigs from southern Siberia interpreted with a conceptual framework based on the Carbon Metabolism Oscillatory Model
BMC Plant Biol. **12:76**
Impact Factor: 3,447
457. Voß, A., Alcamo, J., **Bärlund, I.**, Voß, F., Kynast, E., Williams, R., Malve, O. (2012): Continental scale modelling of in-stream river water quality: a report on methodology, test runs, and scenario application
Hydrol. Process. **26** (16), 2370 - 2384
Impact Factor: 2,488
458. Voss, N., Eckstein, R.L., **Durka, W.** (2012): Range expansion of a selfing polyploid plant despite widespread genetic uniformity
Ann. Bot. **110** (3), 585 - 593
Impact Factor: 4,03
459. Voss, N., Welk, E., **Durka, W.**, Eckstein, R.L. (2012): Biological flora of Central Europe: *Ceratocapnos claviculata* (L.) Lidén
Perspect. Plant Ecol. Evol. Syst. **14** (1), 61 - 77
Impact Factor: 3,208
460. **Voyevoda, M.**, Geyer, W., Mosig, P., Seeger, E.M., Mothes, S. (2012): Evaluation of the effectiveness of different methods for the remediation of contaminated groundwater by determining the petroleum hydrocarbon content
CLEAN-Soil Air Water **40** (8), 817 - 822
Impact Factor: 2,177
461. **Wagner, A.**, Cooper, M., Ferdi, S., Seifert, J., Adrian, L. (2012): Growth of *Dehalococcoides mccartyi* strain CBDB1 by reductive dehalogenation of brominated benzenes to benzene
Environ. Sci. Technol. **46** (16), 8960 - 8968
Impact Factor: 5,228

462. **Walter, J.**, Hein, R., **Auge, H.**, Beierkuhnlein, C., Löffler, S., Reifenrath, K., **Schädler, M.**, Weber, M., Jentsch, A. (2012):
How do extreme drought and plant community composition affect host plant metabolites and herbivore performance?
Arthropod-Plant Interact. **6** (1), 15 - 25
Impact Factor: 1,309
463. **Walther, M.**, **Delfs, J.O.**, Grundmann, J., **Kolditz, O.**, Liedl, R. (2012):
Saltwater intrusion modeling: verification and application to an agricultural coastal arid region in Oman
J. Comput. Appl. Math. **236** (18), 4798 - 4809
Impact Factor: 1,112
464. Weber, A., **Lautenbach, S.**, Wolter, C. (2012):
Improvement of aquatic vegetation in urban waterways using protected artificial shallows
Ecol. Eng. **42** , 160 - 167
Impact Factor: 3,106
465. Weimerskirch, H., **Louzao, M.**, de Grissac, S., Delord, K. (2012):
Changes in wind pattern alter albatross distribution and life-history traits
Science **335** (6065), 211 - 214
Impact Factor: 31,201
466. **Weiβhuhn, K.**, Fischer, M., **Auge, H.** (2012):
Regional adaptation improves the performance of grassland plant communities
Basic Appl. Ecol. **13** (6), 551 - 559
Impact Factor: 2,669
467. **Weller, U.**, **Vogel, H.-J.** (2012):
Conductivity and hydraulic nonequilibrium across drainage and infiltration fronts
Vadose Zone J. **11** (3), 10.2136/vzj2011.0134
Impact Factor: 1,647
468. **Wendeberg, A.**, **Zielinski, F.U.**, Borowski, C., Dubilier, N. (2012):
Expression patterns of mRNAs for methanotrophy and thiotrophy in symbionts of the hydrothermal vent mussel *Bathymodiolas puteoserpentis*
ISME J. **6** (1), 104 - 112
Impact Factor: 7,375
469. **Wendt-Potthoff, K.**, **Koschorreck, M.**, Ercilla, M.D., Sanchez España, J. (2012):
Microbial activity and biogeochemical cycling in a nutrient-rich meromictic acid pit lake
Limnologica **42** (3), 175 - 188
Impact Factor: 1,527

470. **Wennrich, R., Daus, B., Müller, K., Stärk, H.J., Brüggemann, L., Morgenstern, P.** (2012):
Behaviour of metalloids and metals from highly polluted soil samples when mobilized by water - Evaluation of static versus dynamic leaching
Environ. Pollut. **165**, 59 - 66
Impact Factor: 3,746
471. Werner, C., Schnyder, H., **Cuntz, M.**, Keitel, C., Zeeman, M.J., Dawson, T., Badeck, F., Brugnoli, E., Ghashghaie, J., Grams, T.E.E., Kayler, Z., Lakatos, M., Lee, X., Máguas, C., Ogée, J., Rascher, K.G., Siegwolf, R., Unger, S., Welker, J., Wingate, L., Gessler, A. (2012):
Progress and challenges in using stable isotopes to trace plant carbon and water relations across scales
Biogeosciences **9** (8), 3083 - 3111
Impact Factor: 3,859
472. Wetzel, M.A., **von der Ohe, P.C.**, Manz, W., Koop, J.H.E., Wahrendorf, D.-S. (2012):
The ecological quality status of the Elbe estuary. A comparative approach on different benthic biotic indices applied to a highly modified estuary
Ecol. Indic. **19**, 118 - 129
Impact Factor: 2,695
473. **Wey, J, K.**, Jürgens, K., **Weitere, M.** (2012):
Seasonal and successional influences on bacterial community composition exceed that of protozoan grazing in river biofilms
Appl. Environ. Microb. **78** (6), 2013 - 2024
Impact Factor: 3,829
474. **Wiegand, T., Huth, A., Getzin, S.**, Wang, X., Hao, Z., Gunatilleke, C.V.S., Gunatilleke, I.A.U.N. (2012):
Testing the independent species' arrangement assertion made by theories of stochastic geometry of biodiversity
Proc. R. Soc. B-Biol. Sci. **279** (1741), 3312 - 3320
Impact Factor: 5,415
475. Willaarts, B.A., **Volk, M.**, Aguilera, P. (2012):
Assessing the ecosystem services supplied by freshwater flows in Mediterranean agroecosystems
Agric. Water Manage. **105**, 21 - 31
Impact Factor: 1,998

476. Williams, R., Keller, V., Voß, A., **Bärlund, I.**, Malve, O., Riihimäki, J., Tattari, S., Alcamo, J. (2012):
Assessment of current water pollution loads in Europe: estimation of gridded loads for use in global water quality models
Hydrol. Process. **26** (16), 2395 - 2410
Impact Factor: 2,488
477. Wode, F., Reilich, C., van Baar, P., Dünnbier, U., Jekel, M., **Reemtsma, T.** (2012):
Multiresidue analytical method for the simultaneous determination of 72 micropollutants in aqueous samples with ultra high performance liquid chromatography–high resolution mass spectrometry
J. Chromatogr. A **1270** , 118 - 126
Impact Factor: 4,531
478. Wolfram, G., Höss, S., Orendt, C., Schmitt, C., Adámek, Z., **Bandow, N.**, Großschartner, M., Kukkonen, J.V.K., Leloup, V., López-Doval, J.C., Muñoz, I., Traunspurger, W., Tuikka, A., Van Liefferinge, C., **von der Ohe, P.C.**, de Deckere, E. (2012):
Assessing the impact of chemical pollution on benthic invertebrates from three different European rivers using a weight-of-evidence approach
Sci. Total Environ. **438** (1), 498 - 509
Impact Factor: 3,286
479. Wu, S., **Chen, Z.**, Braeckeveldt, M., Seeger, E.M., Dong, R., **Kästner, M.**, Paschke, H., Hahn, A., Kayser, G., **Kuschk, P.** (2012):
Dynamics of Fe(II), sulphur and phosphate in pilot-scale constructed wetlands treating a sulphate-rich chlorinated hydrocarbon contaminated groundwater
Water Res. **46** (6), 1923 - 1932
Impact Factor: 4,865
480. Wu, S., **Wiessner, A.**, Dong, R., Pang, C., **Kuschk, P.** (2012):
Performance of two laboratory-scale horizontal wetlands under varying influent loads treating artificial sewage
Eng. Life Sci. **12** (2), 178 - 187
Impact Factor: 1,925
481. Wu, Y., **Gutknecht, J.L.M.**, Nadrowski, K., Geißler, C., Kühn, P., Scholten, T., Both, S., Erfmeier, A., Böhnke, M., Bruelheide, H., **Wubet, T.**, Buscot, F. (2012):
Relationships between soil microorganisms, plant communities, and soil characteristics in Chinese subtropical forests
Ecosystems **15** (4), 624 - 636
Impact Factor: 3,495

482. **Wubet, T., Christ, S., Schöning, I., Boch, S., Gawlich, M., Schnabel, B., Fischer, M., Buscot, F.** (2012):
Differences in soil fungal communities between European beech (*Fagus sylvatica* L.) dominated forests are related to soil and understory vegetation
PLoS One **7** (10), e47500
Impact Factor: 4,092
483. **Yaneva, N., Schuster, J., Schäfer, F., Lede, V., Przybylski, D., Paproth, T., Harms, H., Müller, R.H., Rohwerder, T.** (2012):
Bacterial acyl-CoA mutase specifically catalyzes coenzyme B₁₂-dependent isomerization of 2-hydroxyisobutyryl-CoA and (S)-3-hydroxybutyryl-CoA
J. Biol. Chem. **287** (19), 15502 - 15511
Impact Factor: 4,773
484. Yurkov, A., **Krüger, D.**, Begerow, D., Arnold, N., **Tarkka, M.T.** (2012):
Basidiomycetous yeasts from Boletales fruiting bodies and their interactions with the mycoparasite *Sepedonium chrysospermum* and the host fungus *Paxillus*
Microb. Ecol. **63** (2), 295 - 303
Impact Factor: 2,912
485. Zaman, M., **Schubert, M.**, Antao, S. (2012):
Elevated radionuclide concentrations in heavy mineral-rich beach sands in the Cox's Bazar region, Bangladesh and related possible radiological effects
Isot. Environ. Health Stud. **48** (4), 512 - 525
Impact Factor: ,9
486. **Zarebanadkouki, M., Kim, Y.X., Moradi, A.B., Vogel, H.-J., Kaestner, A., Carminati, A.** (2012):
Quantification and modeling of local root water uptake using neutron radiography and deuterated water
Vadose Zone J. **11** (3), 10.2136/vzj2011.0196
Impact Factor: 1,647
487. **Zech, Alraune, Schneider, C.L., Attinger, S.** (2012):
The Extended Thiem's solution: including the impact of heterogeneity
Water Resour. Res. **48**, W10535
Impact Factor: 2,957
488. **Zeng, X., Michalski, S.G., Fischer, M., Durka, W.** (2012):
Species diversity and population density affect genetic structure and gene dispersal in a subtropical understory shrub
J. Plant Ecol. **5** (3), 270 - 278
Impact Factor: 1,907

489. Zhang, R.-C., **Lin, Y.**, Yue, M., Li, Q., Zhang, X.-F., Liu, X., Chi, H., Chai, Y.-F., Wang, M. (2012):
Effects of ultraviolet-B irradiance on intraspecific competition and facilitation of plants:
Self-thinning, size inequality, and phenotypic plasticity
PLoS One **7** (11), e50822
Impact Factor: 4,092
490. Zhang, X., **Shi, M.-M.** (2012):
Habitat loss other than fragmentation per se decreased nuclear and chloroplast genetic diversity in a monoecious tree
PLoS One **7** (6), e39146
Impact Factor: 4,092
491. Zimmer, D., Baum, C., **Meissner, R.**, Leinweber, P. (2012):
Soil-ecological evaluation of willows in a floodplain
J. Plant Nutr. Soil Sci. **175** (2), 245 - 252
Impact Factor: 1,596
492. Zuloaga, O., Navarro, P., Bizkarguenaga, E., Iparraguirre, A., Vallejo, A., Olivares, M., **Prieto, A.** (2012):
Overview of extraction, clean-up and detection techniques for the determination of organic pollutants in sewage sludge: a review
Anal. Chim. Acta **736** , 7 - 29
Impact Factor: 4,555
493. Zurell, D., **Grimm, V.**, Rossmanith, E., Zbinden, N., Zimmermann, N.E., Schröder, B. (2012):
Uncertainty in predictions of range dynamics: black grouse climbing the Swiss Alps
Ecography **35** (7), 590 - 603
Impact Factor: 4,188
494. Zurita, G., **Pe'er, G.**, Bellocq, M., Hansbauer, M. (2012):
Edge effects and their influence on habitat suitability calculations: a continuous approach applied to birds of the Atlantic forest
J. Appl. Ecol. **49** (2), 503 - 512
Impact Factor: 5,045

Artikel in anderen Zeitschriften (nicht ISI gelistet)

495. **Anadón, J.D., Wiegand, T., Giménez, A.** (2012):
Individual-based movement models reveals sex-biased effects of landscape fragmentation
on animal movement
Ecosphere **3** (7), art64
496. **Auliya, M., Wagner, P., Böhme, W.** (2012):
The herpetofauna of the Bijagós archipelago, Guinea-Bissau (West Africa) and a first
country-wide checklist
Bonn Zoological Bulletin **61** (2), 255 - 281
497. **Baasch, S.** (2012):
Rezension des Buches "Geschlecht - Macht - Klima: feministische Perspektiven auf
Klima, gesellschaftliche Naturverhältnisse und Gerechtigkeit" von Gülay Çaglar, Maria
do Mar Castro Varela und Helen Schwenken (2012)
Umweltpsychologie **16** (2), 183 - 185
498. **Baasch, S.** (2012):
Gerechtigkeit als Aspekt von Klimawandel-Governance
Umweltpsychologie **16** (2), 86 - 103
499. **Baasch, S., Bauriedl, S., Hafner, S., Weidlich, S.** (2012):
Klimaanpassung auf regionaler Ebene: Herausforderungen einer regionalen
Klimawandel-Governance
Raumforschung und Raumordnung **70** (3), 191 - 201
500. **Beck, S.** (2012):
Kommunikation als Schutzschild. Zur Strategie des Weltklimarats IPCC
Forschungsjournal Soziale Bewegungen **25** (2), 47 - 52
501. **Borchardt, D., Richter, S., Völker, J., Mohaupt, V.** (2012):
Implementation of the Water Framework Directive in Germany
Wasser und Abfall **14** (Special Edition, May 2012), 8 - 10
502. Brühl, C.A., Schäfer, R.B., Mittmann, F., Stahlschmidt, P., Bruns, E., Candolfi, M.,
Egeler, P., Hollert, H., Kaiser, D., Mohr, S., Ratte, T., Schaumann, G., Schlechtriem,
C., Stock, F., Vervliet Scheebaum, M., **von der Ohe, P.C.**, Weltje, L., Werner, I. (2012):
16th SETAC GLB (Society of Environmental Toxicology and Chemistry German
Language Branch) annual meeting held under the main theme "EcoTOXICOlogy and
Environmental CHEMISTRY: crossing borders" from 18th to 20th September 2011 at
Landau
Environmental Sciences Europe **24**, art. 39

503. Couch, C., Cocks, M., **Bernt, M.**, Grossmann, K., Haase, A., Rink, D. (2012): Shrinking cities in Europe
Town & Country Planning **81** (6), 264 - 270
504. Czekalski, N., **Berthold, T.**, Caucci, S., Egli, A., Bürgmann, H. (2012): Increased levels of multiresistant bacteria and resistance genes after wastewater treatment and their dissemination into Lake Geneva, Switzerland
Frontiers in Microbiology **3** (106), 1 - 18
505. Dauber, J., **Settele, J.** (2012): Sheding light on the biodiversity and ecosystem impacts of modern land use
BioRisk **7** , 1 - 4
506. de Deckere, E., **Brack, W.**, Van Ballaer, B., **von der Ohe, P.C.** (2012): Identifying key stressors in Danube, Elbe, Llobregat and Scheldt based on regular monitoring data
River Systems **20** (1-2), 87 - 99
507. Demyan, M.S., Rasche, F., **Schütt, M.**, Smirnova, N., **Schulz, E.**, Cadisch, G. (2012): Combining a coupled FTIR-EGA system and in situ DRIFTS for studying soil organic matter in arable soils
Biogeosciences Discussions **9** (11), 15381 - 15421
508. Fisher, M.C., Schmidt, B.R., **Henle, K.**, Schmeller, D.S., Bosch, J., Aanensen, D.M., Miaud, C., Garner, T.W.J. (2012): RACE: risk assessment of chytridiomycosis to European amphibian biodiversity
Froglog **101** (March), 45 - 47
509. Flörke, M., **Bärlund, I.**, Schneider, C., Kynast, E. (2012): Pan-European freshwater resources in a changing environment: how will the Black Sea region develop?
Water Science and Technology: Water Supply **12** (5), 563 - 572
510. **Franzén, M.**, Molander, M., Norén, L., Nilsson, L.A. (2012): Förändringar av gaddstekelfaunan på Kullaberg i Skåne [Changes in the fauna of aculeate wasps (Hymenoptera: Aculeata) at Kullaberg in southwestern Sweden]
Entomologisk Tidskrift **132** (1-2), 1 - 27
511. Frimmel, F.H., Ewers, U., **Schmitt-Jansen, M.**, Gordalla, B., **Altenburger, R.** (2012): Toxikologische Bewertung von Fracking-Fluiden
Wasser und Abfall **14** (6), 22 - 29
512. **Gawel, E.** (2012): Art. 9 EG-Wasserrahmenrichtlinie: Wo bleibt die Reform des Kommunalabgabenrechts?
Kommunale Steuer-Zeitschrift **61** (1), 1 - 9

513. **Gawel, E.** (2012):
Das neue Wasserentnahmementgelt in Sachsen-Anhalt
Wasser und Abfall **14** (3), 32 - 38
514. **Gawel, E.** (2012):
Der Kalkulationszeitraum für Benutzungsgebühren
Der Gemeindehaushalt **113** (4), 73 - 96
515. **Gawel, E.** (2012):
Wem stehen Eigenkapitalzinsen zu bei mindestens wirtschaftlicher Verselbstständigung der Aufgabenerfüllung – dargestellt am Beispiel des hessischen Eigenbetriebsrechts (Teil II)
Zeitschrift für Kommunalfinanzen **62** (12), 265 - 273
516. **Gawel, E.** (2012):
Zum Für und Wider einer umfassenden Wassernutzungsabgabe. Teil 1: Auftrag und Grenzen
KA - Korrespondenz Abwasser, Abfall **59** (7), 652 - 657
517. **Gawel, E.** (2012):
Ist Wassersparen wirklich Unsinn?
Die Zeit (04.04.2012)
518. **Gawel, E.** (2012):
Wassernutzungsabgaben als Instrument einer effizienten Wasserpreispolitik nach Art. 9 WRRL - Erfahrungen und Perspektiven in Deutschland. Water-use fees as an instrument of an efficient water-price policy according to Article 9, EU Water Framework Directive – experience and perspectives in Germany
Österreichische Wasser- und Abfallwirtschaft **64** (1-2), 259 - 266
519. **Gawel, E.** (2012):
Zum Wasserentnahmementgeltsgesetz des Landes Rheinland-Pfalz
LKRZ : Zeitschrift für Landes- und Kommunalrecht Hessen, Rheinland-Pfalz, Saarland **6** (8), 305 - 313
520. **Gawel, E.** (2012):
Wem stehen Eigenkapitalzinsen zu bei mindestens wirtschaftlicher Verselbstständigung der Aufgabenerfüllung – dargestellt am Beispiel des hessischen Eigenbetriebsrechts (Teil I)
Zeitschrift für Kommunalfinanzen **62** (11), 248 - 253
521. **Gawel, E.** (2012):
Probleme der internen Leistungsverrechnung
Friedhofskultur **102** (11), 35 - 38

522. **Gawel, E.** (2012):
Kostenkontrolle wasserwirtschaftlicher Entgelte zwischen Wettbewerbsrecht und
Kommunalabgabenrecht - eine Leistungsfähigkeitsanalyse
InfrastrukturRecht **9** (11), 293 - 296
523. **Gawel, E.** (2012):
Sind die Preise für Wasserdienstleistungen der Ver- und Entsorgung in Deutschland
wirklich kostendeckend?
Zeitschrift für öffentliche und gemeinwirtschaftliche Unternehmen **35** (3), 243 - 266
524. **Gawel, E.** (2012):
Nachhaltige Steuerung von Wasserinfrastruktursystemen – InfraWass
GWF Wasser, Abwasser **153** (7/8), 807 - 808
525. **Gawel, E.** (2012):
Zum Für und Wider einer umfassenden Wassernutzungsabgabe. Teil 2: Fallstudien
KA - Korrespondenz Abwasser, Abfall **59** (8), 738 - 743
526. **Gawel, E.** (2012):
Zum Für und Wider einer umfassenden Wassernutzungsabgabe. Teil 2: Fallstudien
KW Korrespondenz Wasserwirtschaft **5** (8), 435 - 440
527. **Gawel, E.** (2012):
Zum Für und Wider einer umfassenden Wassernutzungsabgabe. Teil 1: Auftrag und
Grenzen
KW Korrespondenz Wasserwirtschaft **5** (7), 379 - 384
528. **Gawel, E.** (2012):
Wassernutzungsabgaben für die Schifffahrt?
Internationales Verkehrswesen **64** (1/2), 19 - 21
529. **Gawel, E.** (2012):
Das neue nordrhein-westfälische Wasserentnahmeeentgeltgesetz auf dem Prüfstand.
Zugleich ein Beitrag zur Dogmatik von Lenkungsabgaben
Nordrhein-Westfälische Verwaltungsblätter **26** (3), 90 - 103
530. **Gawel, E.** (2012):
Zur Ökonomisierung rechtlicher Technikanforderungen – das Beispiel des Wasserrechts
Die öffentliche Verwaltung **65** (8), 298 - 308
531. **Gawel, E.** (2012):
Kalkulatorische Wagnisse
Friedhofskultur **102** (5), 26 - 28

532. **Gawel, E., Bretschneider, W.** (2012):
Gehalt und Grenzen eines Rechts auf Wasser - ein Zwischenruf
Archiv des öffentlichen Rechts (AöR) **137** (3), 321 - 359
533. **Gawel, E., Bretschneider, W.** (2012):
Recht auf Wasser - eine institutionenökonomische Perspektive
ORDO-Jahrbuch **63**, 325 - 363
534. **Gawel, E., Fälsch, M.** (2012):
Zur Lenkungswirkung von Wasserentnahmeeentgelten. Teil 2: Substitutionswirkungen sowie Markt- und Preiseffekte
KW Korrespondenz Wasserwirtschaft **5** (3), 136 - 142
535. **Gawel, E., Fälsch, M.** (2012):
Zur Lenkungswirkung von Wasserentnahmeeentgelten. Teil 2: Substitutionswirkungen sowie Markt- und Preiseffekte
KA - Korrespondenz Abwasser, Abfall **59** (3), 225 - 233
536. **Gawel, E., Fälsch, M.** (2012):
Zur Lenkungswirkung der Abwasserabgabe. Teil 2: Einkommenseffekte, Vollzug und Finanzierung
KA - Korrespondenz Abwasser, Abfall **59** (12), 1153 - 1159
537. **Gawel, E., Fälsch, M.** (2012):
Zur Lenkungswirkung von Wasserentnahmeeentgelten. Teil 3: Vollzugshilfe und Finanzierung
KA - Korrespondenz Abwasser, Abfall **59** (4), 343 - 347
538. **Gawel, E., Fälsch, M.** (2012):
Zur Lenkungswirkung von Wasserentnahmeeentgelten. Teil 3: Vollzugshilfe und Finanzierung
KW Korrespondenz Wasserwirtschaft **5** (4), 210 - 214
539. **Gawel, E., Fälsch, M.** (2012):
Zur Lenkungswirkung der Abwasserabgabe. Teil 1: Lenzungszwecke und Substitutionseffekte. On the steering effect of wastewater levies. Part 1: Steering functions and substitution effects
KA - Korrespondenz Abwasser, Abfall **59** (11), 1060 - 1065
540. **Gawel, E., Fälsch, M.** (2012):
Zur Lenkungswirkung von Wasserentnahmeeentgelten. Teil 1: Grundlagen und Lenzungszwecke
KA - Korrespondenz Abwasser, Abfall **59** (1), 46 - 51

541. **Gawel, E.**, Fälsch, M. (2012):
Zur Lenkungswirkung von Wasserentnahmeeintgelten. Teil 1: Grundlagen und
Lenkungszwecke
KW Korrespondenz Wasserwirtschaft **5** (1), 37 - 41
542. **Gawel, E.**, **Heuson, C.** (2012):
Ökonomische Grundfragen der Klimaanpassung
Wirtschaftsdienst - Zeitschrift für Wirtschaftspolitik **92** (7), 480 - 487
543. **Gawel, E.**, **Köck, W.**, **Kern, K.**, **Möckel, S.** (2012):
Neue Wassernutzungsabgaben - Landwirtschaft, Wasserkraft und Binnenschiffahrt als
Objekt von Ressourcennutzungsabgaben (Teil 2)
InfrastrukturRecht **9** (1), 8 - 12
544. **Gawel, E.**, **Purkus, A.** (2012):
Auf der Suche nach einer nachhaltigen Bioenergiepolitik
Energiewirtschaftliche Tagesfragen **62** (3), 17 - 21
545. Geyler, S., **Gawel, E.**, **Bedtke, N.** (2012):
Nachhaltige Niederschlagswasserbewirtschaftung im Siedlungsbestand -
Herausforderungen der institutionellen Steuerung
InfrastrukturRecht **9** (11), 308 - 311
546. Graef, F., Roembke, J., Binimelis, R., Myhr, A.I., Hilbeck, A., Breckling, B.,
Dalgaard, T., Stachow, U., Catacora, G.V., Bøhn, T., Quist, D., Darvas, B., Dudel,
G., Oehen, B., Meyer, H., **Henle, K.**, Wynne, B., Metzger, M., Knäbe, S., **Settele, J.**,
Székács, A., Wurbs, A., Bernard, J., Murphy-Bokern, D., Buiatti, M., Giovannetti, M.,
Debeljak, M., Andersen, E., Paetz, A., Dzeroski, S., Tappeser, B., van Gestelt, C.A.M.,
Wosiok, W., Sérailini, G.-E., Aslaksen, I., Pesch, R., Maly, S., Werner, A. (2012):
A framework for a European network for a systematic environmental impact assessment
of genetically modified organisms (GMO)
BioRisk **7** , 73 - 97
547. Graham, C., **Winter, M.** (2012):
Symposium summary: Towards new directions and collaborations in macroecology
Frontiers of Biogeography **4** (1), 11 - 12
548. **Großmann, K.**, Beauregard, R., Dewar, M., **Haase, A.** (2012):
European and US perspectives on shrinking cities
Urban Research & Practice **5** (3), 360 - 363
549. **Großmann, K.**, Höhnke, C. (2012):
So einfach, so schwer. Energetische Sanierung ostdeutscher Großwohnsiedlungen
Planerin **3_12** , 41 - 42

550. **Großmann, K., Schwarz, N., Verhoog, M., Weinsziehr, T.** (2012):
Energieeffizienz in schrumpfenden Städten. Das Projekt Energieeffiziente Stadt Delitzsch
(Energy efficiency in shrinking cities. The project Energy-efficient City of Delitzsch)
Planerin **4_12**, 26 - 28
551. **Gruber, B., Evans, D., Henle, K., Bauch, B., Schmeller, D.S., Dzioc, F., Henry, P.-Y., Lengyel, S., Margules, C., Dormann, C.F.** (2012):
“Mind the gap!” – How well does Natura 2000 cover species of European interest?
Nature Conservation (3), 45 - 62
552. **Gusset, M., Müller, M.S., Grimm, V.** (2012):
Establishment probability in newly founded populations
BMC Research Notes **5**, art. 313
553. **Gutiérrez, A.G., Armesto, J.J., Díaz, M.F., Huth, A.** (2012):
Sensitivity of North Patagonian temperate rainforests to changes in rainfall regimes: a process-based, dynamic forest model
Biogeosciences Discussions **9** (6), 6293 - 6333
554. **Haase, A.** (2012):
Schrumpfung als Herausforderung für polnische Großstädte
Polen-Analysen (104), 2 - 11
555. **Hahn-Tomer, S.** (2012):
Trinkwassertest mit Leuchtkraft
Die Welt (22.3.2012, Beil.)
556. **Halbedel, S., Büttner, O., Weitere, M.** (2012):
Linkage between the temporal and spatial variability of dissolved organic matter and whole stream metabolism
Biogeosciences Discussions **9** (12), 18253 - 18293
557. **Hansjürgens, B.** (2012):
TEEB DE: Weil sie es uns wert ist!
Biologie in unserer Zeit **42** (6), 343 - 343
558. **Hansjürgens, B.** (2012):
Instrumentenmix der Klima- und Energiepolitik: welche Herausforderungen stellen sich?
Wirtschaftsdienst - Zeitschrift für Wirtschaftspolitik **92** (1 Suppl.), 5 - 11
559. **Hansjürgens, B., Ring, I., Schröter-Schlaack, C., Tilch, S.** (2012):
Ende der Selbstbedienung: eine ökonomische Perspektive auf die Natur ist sinnvoll und notwendig – auch in Deutschland
Umwelt aktuell (3), 4 - 5

560. **Harms, S.**, Bruppacher, S. (2012):
Wenn es eng wird im Stadtteil. Auswertung und Kommentierung eines transdisziplinären Low-Budget-Projektes zu nachhaltiger Verkehrsentwicklung
Umweltpsychologie **16** (1), 44 - 66
561. **Henle, K.**, Bell, S., Brotons, L., Clobert, J., Evans, D., **Görg, C.**, Grodzinska-Jurcak, M., **Gruber, B.**, **Haila, Y.**, Henry, P.-Y., **Huth, A.**, Julliard, R., Keil, P., Kleyer, M., Kotze, D.J., Kunin, W., Lengyel, S., Lin, Y.-P., **Loyau, A.**, Luck, G., Magnuson, W., Margules, C., **Matsinos, Y.**, May, P., Sousa-Pinto, I., Possingham, H., Potts, S., **Ring, I.**, Pryke, J., Samways, M., Saunders, D., **Schmeller, D.S.**, Simila, J., Sommer, S., Steffan-Dewenter, I., Stoev, P., Sykes, M., Tóthmérész, B., Yam, R., Tzanopoulos, J., Penev, L. (2012):
Nature conservation - a new dimension in open access publishing bridging science and application
Nature Conservation (1), 1 - 10
562. Joschko, M., Rogasik, J., **Franko, U.**, **Kuka, K.**, Reinhold, J., Fox, C.A., Barkusky, D., Gerlach, F. (2012):
Beziehungen zwischen Bodenorganismen und organischem Kohlenstoff in sandigen Böden
Mitteilungen der Gesellschaft für Pflanzenbauwissenschaften **24**, 102 - 103
563. Kadirova, G.K., Andreevich, K.A., **Adrian, L.**, Bakhtiyor, R. (2012):
Functioning of salt tolerant *Anabaena variabilis* and *Nostoc calcicola* strains in salt stress, destructors of hexachlorocyclohexane (HCH) in saline conditions
Environment and Natural Resources Research **2** (1), 63 - 72
564. **Karthe, D.**, **Sigel, K.**, Scharaw, B., Stäudel, J., Hufert, F., **Borchardt, D.** (2012):
Towards an integrated concept for monitoring and improvements in water supply, sanitation and hygiene (WASH) in urban Mongolia
WHOCC Newsletter Water & Risk (20), 1 - 5
565. **Karthe, D.**, Wildhage, J.J., Reeh, T. (2012):
Umweltbildung an außerschulischen Lernorten: Erfahrungen aus einem Oberstufenprojekt zur Untersuchung urbaner Gewässer
Geographie und ihre Didaktik **40** (2), 69 - 93
566. **Knapp, S.**, Gerth, A., **Klotz, S.** (2012):
Sustainable recultivation and wastewater treatment in Vietnamese coal mining.
Nachhaltige Rekultivierung und Behandlung von Abwässern im vietnamesischen Steinkohenbergbau
World of Mining, Surface & Underground **64** (4), 253 - 261

567. **Köck, W.** (2012):
Störfallrecht
Neue Zeitschrift für Verwaltungsrecht **31** (21), 1353 - 1360
568. **Köck, W.** (2012):
Wasserwirtschaft und Gewässerschutz in Deutschland: Rechtsrahmen – Institutionen – Organisation
Zeitschrift für Umweltrecht (ZUR) **23** (3), 140 - 149
569. **Köck, W.** (2012):
Flächensicherung für erneuerbare Energien durch die Raumordnung
Deutsches Verwaltungsblatt **127** (1), 3 - 10
570. **Köck, W.** (2012):
Das Abstandswahrungsgebot im europäischen Störfallrecht - zum Urteil des EuGH im Müksch-Fall
Zeitschrift für Umweltrecht (ZUR) **23** (7-8), 418 - 422
571. **Köck, W., Bovet, J.** (2012):
Zur Zulässigkeit von Kleinwindanlagen in reinen Wohngebieten
Neue Zeitschrift für Verwaltungsrecht **31** (3), 153 - 157
572. Kumschick, S., Bacher, S., Dawson, W., Heikkilä, J., **Sendek, A.**, Pluess, T., Robinson, T.B., **Kühn, I.** (2012):
A conceptual framework for prioritization of invasive alien species for management according to their impact
Neobiota **15** , 69 - 100
573. **Lamert, H., Werban, U., Schütze, C.**, Peter, A., Dahmke, A., Beyer, M., **Dietrich, P.** (2012):
CO₂ injection test in a shallow aquifer- feasibility of geoelectrical monitoring
Berichte der Geologischen Bundesanstalt **93** , 72 - 74
574. **Lautenbach, S., Maes, J., Kattwinkel, M., Seppelt, R., Strauch, M., Scholz, M., Schulz-Zunkel, C., Volk, M., Weinert, J., Dormann, C.F.** (2012):
Mapping water quality-related ecosystem services: concepts and applications for nitrogen and pesticides
International Journal of Biodiversity Science, Ecosystems Services and Management **8** (1-2), 35 - 49
575. **Ludwig, G.** (2012):
Umweltaspekte in Verfahren nach dem BBergG
Zeitschrift für Umweltrecht (ZUR) **2012** (3), 150 - 161

576. **Ludwig, G.** (2012):
Property rights and participation in REDD+: The case of Mozambique
Transnational Environmental Law **1** (2), 381 - 401
577. Maestre Andrés, S., Calvet Mir, L., van den Bergh, J.C.J.M., **Ring, I.**, Verburg, P.H. (2012):
Ineffective biodiversity policy due to five rebound effects
Ecosystem Services **1** (1), 101 - 110
578. **Möckel, S.** (2012):
Flurbereinigung als Instrument der Konfliktlösung und der dauerhaft umweltgerechten Landschaftsgestaltung
Umwelt- und Planungsrecht **32** (7), 247 - 255
579. **Möckel, S.** (2012):
Landwirtschaft und naturschutzrechtliche Eingriffsgenehmigung
Nat. Recht **34** (4), 225 - 232
580. **Möckel, S.** (2012):
Steuerfindungsrecht und Verbrauchsteuerbegriff – grundlegende Fragen aus Anlass der verfassungsrechtlichen Zweifel an der Kernbrennstoffsteuer
Die öffentliche Verwaltung **65** (7), 265 - 274
581. **Möckel, S.** (2012):
Klimaschutz und Anpassung bei landwirtschaftlichen Böden - rechtliche Berücksichtigung und Instrumente
Deutsches Verwaltungsblatt **127** (7), 408 - 416
582. **Möckel, S., Bathe, F.** (2012):
Ausweisung künstlicher und erheblich veränderter Gewässer in Deutschland - Begründungs- und Rechtfertigungsdefizite
Zeitschrift für Umweltrecht (ZUR) **23** (12), 651 - 657
583. **Moeller, L., Görsch, K., Müller, R.A., Zehnsdorf, A.** (2012):
Formation and suppression of foam in biogas plants - practical experiences
Landtechnik **67** (2), 110 - 113
584. **Moeller, L., Görsch, K., Müller, R.A., Zehnsdorf, A.** (2012):
Bildung von Schaum in Biogasanlagen und seine Bekämpfung - Erfahrungen aus der Praxis
Landtechnik **67** (2), 110 - 113

585. Mohaupt, V., **Richter, S., Völker, J., Borchardt, D.** (2012):
Bewirtschaftungspläne zur Wasserrahmenrichtlinie in Deutschland: Resultate und
Schlussfolgerungen
Nat. Landschaft **87** (4), 168 - 176
586. Morgun, D.V., **Wiemers, M.** (2012):
First record of the Lime Swallowtail *Papilio demoleus* Linnaeus, 1758 (Lepidoptera,
Papilionidae) in Europe
Journal of Research on the Lepidoptera **45**, 85 - 89
587. Mykhnenko, V., Soldak, M., Kuzmenko, L., **Haase, A.** (2012):
Schrumpfende Ukraine: Bevölkerungsentwicklung und Dilemmata der Politik
Ukraine-Analysen (105), 2 - 19
588. Nilsson, S.G., Bygberg, R., **Franzén, M.** (2012):
Biologisk mängfald i Linnes hembygd i Småland. 7. Blomfugor (Diptera, Syrphidae).
[Biodiversity at Linnaeus' birthplace in the parish of Stenbrohult, southern Sweden. 7.
Hoverflies (Diptera, Syrphidae).]
Entomologisk Tidskrift **133** (4), 137 - 166
589. Paloniemi, R., Apostolopoulou, E., Primmer, E., Grodzinska-Jurcak, M., **Henle, K., Ring, I.**, Kettunen, M., Tzanopoulos, J., Potts, S., van den Hove, S., Marty, P., McConville, A., Simila, J. (2012):
Biodiversity conservation across scales: lessons from a science–policy dialogue
Nature Conservation (2), 7 - 19
590. **Popp, S., Altdorff, D., Dietrich, P.** (2012):
Assessment of shallow subsurface characterization with non-invasive geophysical
methods at the intermediate hill-slope scale
Hydrology and Earth System Sciences Discussions (HESSD) **9** (2), 2511 - 2539
591. Porubova, J., Klemm, M., Kiendl, I., Valters, K., **Markova, D.**, Repele, M., Bazbauers, G. (2012):
Influence of temperature and pressure change on adiabatic and isothermal methanation
processes
Scientific Journal of Riga Technical University. Environmental and Climate Technologies
9, 22 - 27
592. **Przybylski, D., Rohwerder, T., Harms, H., Müller, R.H.** (2012):
Third-generation feed stocks for the clean and sustainable biotechnological production of
bulk chemicals: synthesis of 2-hydroxyisobutyric acid
Energy, Sustainability and Society **2**, art. 11

593. Pylenok, P.I., Peregudov, S.V., Yashin, V.M., **Meissner, R.**, **Rupp, H.**, **Bolze, S.**, Leinweber, P., Heilmann, Y., Zeifart, M. (2012):
Using the innovative lysimetric technology in Russian-German research
Bulletin of the Russian Academy of Agricultural Sciences / Vestnik Rossijskoj Akademii Sel'skochozjajstvennych Nauk **21** (5), 5 - 8
594. Ratte, C., **Hansjürgens, B.**, **Ring, I.** (2012):
Was die Natur für uns leistet
Umwelt (10), 6 - 11
595. **Rink, D.**, **Haase, A.**, **Grossmann, K.**, Couch, C., Cocks, M. (2012):
From long-term shrinkage to re-growth? The urban development trajectories of Liverpool and Leipzig
Built Environment **38** (2), 162 - 178
596. **Roland, U.**, **Holzer, F.**, **Trommler, U.**, **Hoyer, C.**, **Rabe, C.**, **Kraus, M.**, **Schneider, J.**, **Kopinke, F.-D.** (2012):
Applications of radio-frequency heating in environmental technology
Procedia Engineering **42** , 186 - 189
597. Scharf, W., **Völker, J.** (2012):
Einflussfaktoren und Bedeutung der Eutrophierungsprozesse in rhithralen Fließgewässern
KW Korrespondenz Wasserwirtschaft **5** (10), 528 - 530
598. **Schmeller, D.S.**, **Henle, K.**, **Loyau, A.**, Besnard, A., Henry, P.-Y. (2012):
Bird-monitoring in Europe – a first overview of practices, motivations and aims
Nature Conservation (2), 41 - 57
599. **Schmeller, D.S.**, Maier, A., Evans, D., **Henle, K.** (2012):
National responsibilities for conserving habitats – a freely scalable method
Nature Conservation (3), 21 - 44
600. Schurian, K.G., Westenberger, A., Diringer, Y., **Wiemers, M.** (2011):
Contribution to the biology, ecology and taxonomy of *Polyommatus (Lysandra) coridon nufrellensis* (Schurian, 1977) (Lepidoptera: Lycaenidae), Part II: An experimental hybridisation of *P. (L.) c. gennargenti* × *P. (L.) c. nufrellensis*
Nachrichten des Entomologischen Vereins Apollo **31** (4), 103 - 112
601. **Schütze, C.**, **Sauer, U.**, **Lamert, H.**, **Dietrich, P.** (2012):
Geophysical and soil gas monitoring methods for the characterization of CO₂ degassing sites – What can we learn from natural analogues?
Berichte der Geologischen Bundesanstalt **93** , 82 - 88

602. Semenzin, E., Zabeo, A., **von der Ohe, P.C.**, Gottardo, S., Critto, A., Marcomini, A. (2012):
The role of reference conditions in water quality assessment: application of a fuzzy logic-based Decision Support System (DSS) in the Danube and Elbe River Basins
River Systems **20** (1-2), 23 - 40
603. **Settele, J.** (2012):
Kurzzeitig ausgeflogen : zur Planungsrelevanz unbesetzter Biotope
Planerin **1_12**, 15 - 16
604. **Spangenberg, J.H.** (2012):
Finanzkrisen und Nachhaltigkeit
Perspektiven ds **29** (2), 88 - 100
605. Steinbach, C., Mathes, B., Krug, H.F., Wiek, P., **Kühnel, D.** (2012):
Die Sicherheit von Nanomaterialien in der Diskussion
Deutsche Apotheker-Zeitung **152** (16), 90 - 92
606. **Strehlitz, B., Reinemann, C., Linkorn, Sören, Stoltenburg, R.** (2012):
Aptamers for pharmaceuticals and their application in environmental analytics
Bioanalytical Reviews **4** (1), 1 - 30
607. van Swaay, C., Collins, S., Dusej, G., Maes, D., Munguira, M.L., Rakosy, L., Ryholm, N., Sasic, M., **Settele, J.**, Thomas, J., Verovnik, R., Verstraet, T., Warren, M., **Wiemers, M.**, Wynhoff, I. (2012):
Dos and Don'ts for butterflies of the Habitats Directive of the European Union
Nature Conservation (1), 73 - 153
608. **Völker, J., Borchardt, D.** (2012):
Einfluss der Hydromorphologie auf Gewässerlebensgemeinschaften
Natur in NRW **37** (1), 19 - 21
609. Vollrodt, S., Frühauf, M., **Haase, D., Strohbach, M.W.** (2012):
Das CO₂-Senkenpotential urbaner Gehölze im Kontext postwendezeitlicher Schrumpfungsprozesse. Die Waldstadt-Silberhöhe (Halle/Saale) und deren Beitrag zu einer klimawandelgerechten Stadtentwicklung
Hallesches Jahrbuch für Geowissenschaften / B **34**, 71 - 96
610. Weickhardt, C., Kaiser, N., **Borsdorf, H.** (2012):
Ion mobility spectrometry of laser desorbed pesticides from fruit surfaces
International Journal for Ion Mobility Spectrometry **15** (2), 55 - 62

611. **Werntze, A.** (2012):
Land ist eine limitierte Ressource : BMBF-Schwerpunkt "Nachhaltiges
Landmanagement"
Nachrichten der Gesellschaft für Ökologie **42** (1), 5
612. Weymann, W., **Franzén, M.**, Schottstädt, D. (2012):
Nachtfalterfauna einer großflächigen Agrarlandschaft in der Umgebung des
Umweltzentrums „Ökohof Auterwitz“ in Mittelsachsen (Lepidoptera)
Mitteilungen Sächsischer Entomologen **31** (102), 3 - 17
613. Wu, S., Lv, T., Li, C., **Kuschk, P.**, Wiessner, A., Pang, C., Dong, R. (2012):
Effect of nitrate on sulphur transformations depending on carbon load in laboratory-scale
wetlands treating artificial sewage
Advanced Materials Research **518 - 523** , 1902 - 1912

Buch

614. **Akter, S.**, Bennett, J. (2012):
Valuing climate change mitigation. Applying stated preferences in the presence of uncertainty
Edward Elgar, Cheltenham, Northampton, 192 pp.
615. Fier, A., Hirt, U., Holsten, B., Kahle, P., Kaletka, T., Koch, F., Krämer, I., Lennartz, B., Litz, N., Mahnkopf, J., Matzinger, A., **Rupp, H.**, Steidl, J., Trepel, M. (2012):
Reduktion der Stoffeinträge durch Maßnahmen im Drän- und Gewässersystem sowie durch Feuchtgebiete
DWA-Themen T2
Deutsche Vereinigung für Wasserwirtschaft, Abwasser und Abfall (DWA), Hennef, 86 S.
616. Grompe, M., **Hansjürgens, B.** (2012):
Wassermärkte im Westen der USA: Entstehung, Funktionsweise und Beurteilung
Ökologie und Wirtschaftsforschung 90
Metropolis, Marburg, 137 S.
617. **Höhnke, C.** (2012):
Verkehrsgovernance in Megastädten: die ÖPNV-Reformen in Santiago de Chile und Bogotá
Megacities and Global Change 5
Franz Steiner, Stuttgart, 252 S.
618. **Müller, A.** (2012):
Areas at risk - concept and methods for urban flood risk assessment : a case study of Santiago de Chile. (Zugl.: Leipzig, Univ., Diss., 2011)
Megacities and Global Change 3
Franz Steiner, Stuttgart, 265 pp.
619. Pütz, T., Deurer, M., Göttlein, A., Knoblauch, S., **Rupp, H.**, Siemens, J., Weihermüller, L. (2012):
Gewinnung von Bodenlösung - Beprobungssysteme und Einflussgrößen. Merkblatt
DWA-Regelwerk 905
Deutsche Vereinigung für Wasserwirtschaft, Abwasser und Abfall (DWA), Hennef, 36 S.
620. Railsback, S.F., **Grimm, V.** (2012):
Agent-based and individual-based modeling: a practical introduction
Princeton University Press, Princeton, NJ, 352 pp.

621. **Schwarze, R.**, Schwindt, M., Wagner, G.G., Weck-Hannemann, H. (2012):
Ökonomische Strategien des Naturgefahrenmanagements – Konzepte, Erfahrungen und Herausforderungen
Alpine Space - Man & Environment 14
IUP, Innsbruck Univ. Press, Innsbruck, 101 S.

Buchherausgabe

622. **Geller, W., Schultze, M.**, Kleinmann, R., Wolkersdorfer, C. (eds., 2012):
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, 525 pp.
623. **Heinrichs, D., Krellenberg, K., Hansjürgens, B.**, Martínez, F. (eds., 2012):
Risk habitat megacity
Springer, Berlin ; Heidelberg, 363 pp.
624. **Kabisch, S., Kunath, A.**, Schweizer-Ries, P., Steinführer, A. (eds., 2012):
Vulnerability, risks, and complexity: impacts of global change on human habitats
Advances in People-Environment Studies 3
Hogrefe, Cambridge, Mass., 322 pp.
625. **Kästner, M., Braeckeveldt, M.**, Döberl, G., Cassiani, G., Petrangeli Papini, M., Leven-Pfister, C., van Ree, D. (eds., 2012):
Model-driven soil probing, site assessment and evaluation
Sapienza Università Editrice, Rome, Italy, 307 pp.
626. **Scholz, M.**, Mehl, D., **Schulz-Zunkel, C.**, **Kasperidus, H.D.**, **Born, W.**, **Henle, K.** (Hrsg., 2012):
Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention, Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ; Ergebnisse des F+E-Vorhabens (FKZ 3508850100)
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, 257 S.
627. **Wittmer, H.**, Gundimeda, H. (eds., 2012):
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, 351 pp.

Buchkapitel

628. **Aurich, A., Specht, R., Müller, R.A., Stottmeister, U., Yovkova, V., Otto, C., Holz, M., Barth, G., Heretsch, P., Thomas, F.A., Sicker, D., Giannis, A.** (2012): Microbiologically produced carboxylic acids used as building blocks in organic synthesis
In: Wang, X., Chen, J., Quinn, P. (eds.)
Subcellular Biochemistry, Volume 64; Reprogramming Microbial Metabolic Pathways, Part 2
Springer, Berlin, Heidelberg, New York, p. 391 - 424
629. **Banzhaf, E., Kindler, A., Müller, A., Metz, K., Reyes-Paecke, S., Weiland, U.** (2012): Land-use change, risk and land-use management
In: Heinrichs, D., Krellenberg, K., Hansjürgens, B., Martínez, F. (eds.)
Risk habitat megacity
Springer, Berlin ; Heidelberg, p. 127 - 154
630. **Banzhaf, E., Netzband, M.** (2012): Monitoring urban land use changes with remote sensing techniques
In: Richter, M., Weiland, U. (eds.)
Applied urban ecology : a global framework
Wiley-Blackwell, Chichester, p. 18 - 32
631. **Beck, S.** (2012): From truth to trust : lessons learned from "Climategate"
In: Hogl, K., Kvarda, E., Nordbeck, R., Pregering, M. (eds.)
Environmental governance : the challenge of legitimacy and effectiveness
Edward Elgar, Cheltenham, p. 220 - 241
632. **Beck, S.** (2012): Der Weltklimarat (IPCC) : das Modell für Politikberatung auf internationaler Ebene?
In: Morisse-Schilbach, M., Halfmann, J. (Hrsg.)
Wissen, Wissenschaft und Global Commons : Forschungen zu Wissenschaft und Politik jenseits des Staates am Beispiel von Regulierung und Konstruktion globaler Gemeinschaftsgüter
Internationale Beziehungen 17
Nomos, Baden-Baden, S. 153 - 177
633. **Berghöfer, A., Dudley, N., Förster, J.** (2012): Ecosystem services and protected areas
In: Wittmer, H., Gundimeda, H. (eds.)
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, p. 195 - 217

634. **Berghöfer, A., Wittmer, H.**, Ruhweza, A., Keune, H., Martens, P. (2012):
Making your natural capital work for local development
In: Wittmer, H., Gundimeda, H. (eds.)
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, p. 281 - 300
635. **Bleicher, A., Gross, M.** (2012):
Confronting ignorance: coping with the unknown and surprising events in the remediation of contaminated sites
In: Kabisch, S., Kunath, A., Schweizer-Ries, P., Steinführer, A. (eds.)
Vulnerability, risks, and complexity: impacts of global change on human habitats
Advances in People-Environment Studies 3
Hogrefe, Cambridge, Mass., p. 193 - 204
636. **Boehrer, B.** (2012):
Thermobaric stratification of very deep lakes
In: Bengtsson, L., Herschy, R.W., Faibridge, R.W. (eds.)
Encyclopedia of lakes and reservoirs
Encyclopedia of Earth Sciences Series
Springer, Dordrecht, p. 800 - 801
637. **Boehrer, B.** (2012):
Double-diffusive convection in lakes
In: Bengtsson, L., Herschy, R.W., Faibridge, R.W. (eds.)
Encyclopedia of lakes and reservoirs
Encyclopedia of Earth Sciences Series
Springer, Dordrecht, p. 223 - 224
638. **Boehrer, B.** (2012):
Physical properties of acidic pit lakes
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 23 - 42
639. **Bonnineau, C.**, Moeller, A., Barata, C., Bonet, B., Proia, L.,
Sans-Piche', F., **Schmitt-Jansen, M.**, Guasch, H., Segner, H. (2012):
Advances in the multibiomarker approach for risk assessment in aquatic ecosystems
In: Guasch, H., Ginebreda, A., Geislinger, A. (eds.)
Emerging and priority pollutants in rivers : bringing science into river management plans
Handbook of Environmental Chemistry Series 19
Springer, Berlin, Heidelberg, p. 147 - 179

640. **Born, W., Meyer, V., Scholz, M., Kasperidus, H.D., Mehl, D., Schulz-Zunkel, C., Hansjürgens, B.** (2012):
Ökonomische Bewertung von Ökosystemfunktionen in Flussauen
In: Scholz, M., Born, W., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Henle, K. (Hrsg.)
Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention, Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ; Ergebnisse des F+E-Vorhabens (FKZ 3508850100)
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 147 - 168
641. **Braeckeveldt, M., Kästner, M.** (2012):
Compound-specific isotope analysis (CSIA); factsheet
In: Kästner, M., Braeckeveldt, M., Döberl, G., Cassiani, G., Petrangeli Papini, M., Leven-Pfister, C., van Ree, D. (eds.)
Model-driven soil probing, site assessment and evaluation : guidance on technologies
Sapienza Università Editrice, Rome, Italy, p. 58 - 60
642. **Braeckeveldt, M., Kästner, M.** (2012):
Compound-specific isotope analysis (CSIA) for characterization of biodegradation
In: Kästner, M., Braeckeveldt, M., Döberl, G., Cassiani, G., Petrangeli Papini, M., Leven-Pfister, C., van Ree, D. (eds.)
Model-driven soil probing, site assessment and evaluation : guidance on technologies
Sapienza Università Editrice, Rome, Italy, p. 199 - 218
643. **Carl, G., Kühn, I.** (2012):
Autocorrelation removal for spatial statistical modelling and its application to biogeographical data
In: del Valle, M., Muñoz Guerrero, R., Gutierrez Salgado, J.M. (eds.)
Wavelets: Classification, Theory and Applications
Nova Science Publishers, New York, p. 67 - 95
644. Corcoll, N., Ricart, M., **Franz, S.**, Sans-Piche', F., **Schmitt-Jansen, M.**, Guasch, H. (2012):
The use of photosynthetic fluorescence parameters from autotrophic biofilms for monitoring the effect of chemicals in river ecosystems
In: Guasch, H., Ginebreda, A., Geislinger, A. (eds.)
Emerging and priority pollutants in rivers : bringing science into river management plans
Handbook of Environmental Chemistry Series 19
Springer, Berlin, Heidelberg, p. 85 - 115

645. de Anda, J., Rangel-Peraza, J.G., Obregon, O., Nelson, J., Williams, P.G., Jarquín-Javier, Y., Miller, J., **Rode, M.** (2012):
The use of digital elevation models (DEMs) for bathymetry development in large tropical reservoirs
In: Blondel, P. (ed.)
Bathymetry and Its Applications
InTech, Rijeka, Croatia, p. 105 - 118
646. **Dormann, C.F.** (2011):
Modelling species' distributions
In: Jopp, F., Reuter, H., Breckling, B. (eds.)
Modelling complex ecological dynamics: an introduction into ecological modelling for students, teachers & scientists
Springer, Heidelberg, p. 179 - 196
647. **Friese, K., Herzsprung, P., Schultze, M.** (2012):
Water, sediment, and pore water
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 42 - 57
648. **Gawel, E.** (2012):
Gemeingüterbewirtschaftung – Perspektiven der institutionellen und experimentellen Ökonomik
Deutschlands Wege in die Zukunft : Dokumentation einer UBA-Vortragsreihe zu mehr Nachhaltigkeit
Umweltbundesamt, Dessau-Roßlau, S. 47 - 53
649. **Gawel, E.** (2012):
Ökonomische Kriterien bei der Festlegung technischer Standards
In: Lauterbach, F.R., Buchs, A.K., Cortekar, J., Marggraf, R. (Hrsg.)
Handbuch zu den ökonomischen Anforderungen der europäischen Gewässerpolitik
Ökonomische Forschungsbeiträge zur Umweltpolitik 1
Ibidem-Verlag, Stuttgart, S. 235 - 265
650. **Geller, W., Schultze, M.** (2012):
Biological in-lake treatment
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 236 - 242

651. **Geller, W., Schultze, M.** (2012):
Treatments of in- and outflows
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 243 - 256
652. **Geller, W., Schultze, M.** (2012):
Treatment of pit lakes - conclusions and lessons learned
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes : the legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 256 - 258
653. **Geller, W., Schultze, M.** (2012):
Lessons learned, open questions and concluding remarks
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 437 - 449
654. **Geller, W., Schultze, M.** (2012):
Hydrological management and chemical in-lake treatments
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 228 - 236
655. **Geller, W., Schultze, M.** (2012):
Introduction
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 1 - 10
656. **Geller, W., Schultze, M.** (2012):
Goals and conditions of remediation and management
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 225 - 228

657. **Georgi, A., Rusevova, K., Gonzales-Olmos, R., Mackenzie, K.** (2012):
Nanostructured Fe-zeolite and orthoferrite nanoparticles: fenton-like heterogeneous catalysts for oxidation of water contaminants
In: Dey, T. (ed.)
Nanotechnology for water purification
Brown Walker Press, Boca Raton, FL, p. 89 - 116
658. Gießler, M., Engelke, P., Eckstädt, H., **Hagenau, J., Meissner, R.** (2012):
Concepts for decentralized wastewater treatment in the Miyun catchment, China
In: Steusloff, H. (ed.)
Conference proceedings of the "IWRM - Integrated Water Resources Management-Interactions of Water with Energy and Materials in Urban Areas and Agriculture", 21 - 22 November 2012, Karlsruhe, Germany
Fraunhofer Verl., Stuttgart, p. 56 - 63
659. **Görg, C.** (2012):
Gesellschaftliche Wahrnehmung von Klima- und Biodiversitätswandel - Herausforderungen und Bedarfe. Folgen aus internationalen Vereinbarungen
In: Mosbrugger, V., Brasseur, G.P., Schaller, M., Stribrny, B. (Hrsg.)
Klimawandel und Biodiversität - Folgen für Deutschland
Wiss. Buchgesell., Darmstadt, S. 397 - 402
660. **Gräbe, A., Rödiger, T., Rink, K., Fischer, T., Kolditz, O., Oswald, S.E.** (2012):
Development of a regional groundwater flow model along the western Dead Sea escarpment
Models - repositories of knowledge : proceedings of ModelCARE2011 held in Leipzig, Germany, September 2011
IAHS Publ. 355
IAHS Press, Wallingford, Oxfordshire, p. 345 - 350
661. **Grimm, V., Railsback, S.F.** (2012):
Designing, formulating, and communicating agent-based models
In: Heppenstall, A.J., Crooks, A.T., See, L.M., Batty, M. (eds.)
Agent-based models for geographical systems
Springer, Dordrecht [u.a.], p. 361 - 377
662. **Groeneveld, J., Wucherer, W., Dimeyeva, L.A., Jeltsch, F., Wissel, C., Breckle, S.-W.** (2012):
Spatial distribution of plant functional types along stress gradients – a simulation study orientated towards the plant succession on the desiccating Aral Sea floor
In: Breckle, S.-W. (ed.)
Aralkum - a man-made desert: the desiccated floor of the Aral Sea (Central Asia)
Ecological Studies 218
Springer, Berlin, Heidelberg, New York, p. 301 - 311

663. **Gross, M., Bleicher, A.** (2012):
Jenseits der Zurechnung auf Entscheidungen: Nichtwissenskommunikation am Beispiel Altlastensanierung
In: Janich, N., Nordmann, A., Schebek, L. (Hrsg.)
Nichtwissenskommunikation in den Wissenschaften
Lang, Frankfurt a.M., S. 209 - 234
664. Gundimeda, H., **Wätzold, F.**, Förster, J. (2012):
Payments for ecosystem services
In: Wittmer, H., Gundimeda, H. (eds.)
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, p. 223 - 250
665. **Hagemann, N.**, Blumensaft, F., Wahren, T., Trümper, J., Burmeister, C., **Moynihan, R.**, Scheifhacken, N. (2012):
The long way of implementing river basin management in Post-Soviet states - a conflict analysis in the Western Bug River basin (Ukraine)
In: Steusloff, H. (ed.)
Conference proceedings of the "IWRM - Integrated Water Resources Management-Interactions of Water with Energy and Materials in Urban Areas and Agriculture", 21 - 22 November 2012, Karlsruhe, Germany
Fraunhofer Verl., Stuttgart, p. 80 - 86
666. **Hauck, J.**, Schiffer, E. (2012):
Between intuition and indicators – Using Net-Map for visual and qualitative social network analysis
In: Gamper, M., Reschke, L., Schönhuth, M. (eds.)
Knoten und Kanten 2.0. Soziale Netzwerkanalyse in der Medienforschung und der Kulturanthropologie
transcript-Verlag, Bielefeld, p. 231 - 257
667. **Heinrichs, D.**, Aggarwal, R., Barton, J., Bharucha, E., Butsch, C., Fragkias, M., Johnston, P., Kraas, F., **Krellenberg, K.**, Lampis, A., Ling, O.G., Vogel, J. (2011):
Adapting cities to climate change: opportunities and constraints
In: Hoornweg, D., Freire, M., Marcus, J., Bhada-Tata, P., Yuen, B. (eds.)
Cities and climate change: responding to an urgent agenda
Urban Development Series
World Bank, Washington, DC, p. 193 - 224
668. **Heinrichs, D., Krellenberg, K., Hansjürgens, B.** (2012):
Introduction: megacities in Latin America as risk habitat
In: Heinrichs, D., Krellenberg, K., Hansjürgens, B., Martínez, F. (eds.)
Risk habitat megacity
Springer, Berlin ; Heidelberg, p. 3 - 18

669. **Heinrichs, D., Krellenberg, K., Hansjürgens, B.**, Martínez, F. (2012):
Synthesis: an integrative perspective on risks in megacities
In: Heinrichs, D., Krellenberg, K., Hansjürgens, B., Martínez, F. (eds.)
Risk habitat megacity
Springer, Berlin ; Heidelberg, p. 353 - 363
670. Hickler, T., Bolte, A., Hartard, B., Beierkuhnlein, C., Blaschke, M., Blick, T., Brüggemann, W., Dorow, W.H.O., Fritze, M.-A., Gregor, T., Ibisch, P., Kölling, C., **Kühn, I., Musche, M., Pompe, S.**, Petercord, R., **Schweiger, O.**, Seidling, W., Trautmann, S., Waldenspuhl, T., Walentowski, H., Wellbrock, N. (2012):
Folgen des Klimawandels für die Biodiversität in Wald und Forst
In: Mosbrugger, V., Brasseur, G.P., Schaller, M., Stibrny, B. (Hrsg.)
Klimawandel und Biodiversität - Folgen für Deutschland
Wiss. Buchgesell., Darmstadt, S. 164 - 221
671. **Hölzl, C., Nuissl, H., Höhnke, C., Lukas, M.**, Seeger, C.R. (2012):
Dealing with risks: a governance perspective on Santiago de Chile
In: Heinrichs, D., Krellenberg, K., Hansjürgens, B., Martínez, F. (eds.)
Risk Habitat Megacity
Springer, Heidelberg [u.a.], p. 327 - 351
672. Hussain, S., **Wittmer, H., Berghöfer, A.**, Gundimeda, H. (2012):
Conceptual frameworks for considering the benefits of nature
In: Wittmer, H., Gundimeda, H. (eds.)
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, p. 35 - 55
673. **Johst, K., Hartig, F., Drechsler, M.** (2012):
Offsetting policies for biodiversity conservation: the need for compensating habitat relocation
In: Jordán, F., Jørgensen, S.E. (eds.)
Models of the ecological hierarchy : from molecules to the ecosphere
Developments in Environmental Modelling 25
Elsevier, Amsterdam, p. 413 - 430
674. **Kabisch, S., Heinrichs, D., Krellenberg, K., Welz, J., Vignoli, J.R., Sabatini, F., Rasse, A.** (2012):
Socio-spatial differentiation: drivers, risks and opportunities
In: Heinrichs, D., Krellenberg, K., Hansjürgens, B., Martínez, F. (eds.)
Risk habitat megacity
Springer, Berlin ; Heidelberg, p. 155 - 181

675. **Kabisch, S., Kunath, A.**, Schweizer-Ries, P., Steinführer, A. (2012):
Vulnerability, risks and complexity: impacts of global change on human habitats
In: Kabisch, S., Kunath, A., Schweizer-Ries, P., Steinführer, A. (eds.)
Vulnerability, risks, and complexity: impacts of global change on human habitats
Advances in People-Environment Studies 3
Hogrefe, Cambridge, Mass., p. 3 - 6
676. **Kabisch, S.**, Steinführer, A., **Haase, A.** (2012):
Reurbanisierung aus soziodemographischer Perspektive: Haushalte und Quartierswandel
in der inneren Stadt
In: Brake, K., Herfert, G. (eds.)
Reurbanisierung : Materialität und Diskurs in Deutschland
Springer VS, Wiesbaden, p. 113 - 129
677. **Karthe, D.**, Reeh, T. (2012):
Medical geography and travel-related health risks in overseas tourism
In: Kappas, M., Groß, U., Kelleher, D. (eds.)
Global health : a challenge for interdisciplinary research
Univ.-Verl. Göttingen, Göttingen, p. 351 - 369
678. **Karthe, D.**, Traoré, I., Sié, A., Kappas, M. (2012):
Malaria in Kossi Province, Burkina Faso: an investigation of spatio-temporal incidence
pattern
In: Kappas, M., Groß, U., Kelleher, D. (eds.)
Global health : a challenge for interdisciplinary research
Univ.-Verl. Göttingen, Göttingen, p. 305 - 320
679. **Kern, K., Gawel, E.** (2012):
Wassernutzungsabgaben auf Wasserkraft - rechtliche und ökonomische Anforderungen
In: Heimerl, S. (Hrsg.)
Wasserkraftprojekte : Ausgewählte Beiträge aus der Fachzeitschrift WasserWirtschaft
Springer Fachmedien, Wiesbaden, S. 444 - 449
680. **Klotz, S., Baessler, C.**, Klussmann-Kolb, A., Muellner-Riehe, A.N. (2012):
Biodiversitätswandel in Deutschland
In: Mosbrugger, V., Brasseur, G.P., Schaller, M., Stribrny, B. (Hrsg.)
Klimawandel und Biodiversität - Folgen für Deutschland
Wiss. Buchgesell., Darmstadt, S. 38 - 56
681. **Köck, W.** (2012):
Störfallrecht
Dokumentation zur 35. wissenschaftlichen Fachtagung der Gesellschaft für Umweltrecht e.V. Berlin 2011
Tagungen der Gesellschaft für Umweltrecht e.V. 43
Erich Schmidt Verlag (ESV), Berlin, S. 27 - 68

682. **Köck, W.** (2012):
Water management and protection in Germany
In: Alberton, M., Palermo, F. (eds.)
Environmental Protection in Multi-Layered Systems : Comparative Lessons from the Water Sector
Studies in Territorial and Cultural Diversity Governance 1
Martinus Nijhoff Publishers, Leiden, Boston, p. 315 - 337
683. **Köck, W.** (2012):
§ 37 Pläne
In: Hoffmann-Riem, W., Schmidt-Aßmann, E., Vosskuhle, A. (Hrsg.)
Grundlagen des Verwaltungsrechts, Band II Informationsordnung, Verwaltungsverfahren, Handlungsformen. 2. Aufl.
Beck, München, S. 1389 - 1455
684. **Köck, W.** (2012):
Risiko im Recht der Klimaanpassung
In: Jaeckel, L., Janssen, G. (Hrsg.)
Risikodogmatik im Umwelt- und Technikrecht : von der Gefahrenabwehr zum Risikomanagement
Mohr Siebeck, Tübingen, S. 69 - 87
685. **Köck, W., Kern, K.** (2012):
Rechtliche Strategien zur Bewältigung von Risiken im Stoffrecht - zur konzeptionellen Entwicklung des Stoffrechts
In: Hecker, B., Hendler, R., Proelß, A., Reiff, P. (Hrsg.)
Perspektiven des Stoffrechts : 27. Trierer Kolloquium zum Umwelt- und Technikrecht vom 1. bis 2. September 2011
Umwelt- und Technikrecht 114
Erich Schmidt Verlag (ESV), Berlin, S. 21 - 70
686. **Köck, W., Salzborn, N.** (2012):
Handlungsfelder zur Fortentwicklung des Planungsrechts - Würdigung und Ausblick
In: Rodi, M. (Hrsg.)
Anspruchsvoller Umweltschutz in der Fach- und Raumplanung : Planungskaskaden bei Großvorhaben
IKEM : Interdisziplinäre Studien zu Klimaschutz, Energie und Mobilität 1
Lexxion-Verlag, Berlin , S. 185 - 200

687. **Köck, W.** (2012):
Kapitel 5 Schutz der wild lebenden Tier- und Pflanzenwelt, ihrer Lebensstätten und Biotope. Abschnitt 2 Allgemeiner Artenschutz. § 40 Nichtheimische, gebietsfremde und invasive Arten
In: Schlacke, S. (Hrsg.)
GK-BNatSchG Bundesnaturschutzgesetz
Gemeinschaftskommentare zum Umweltrecht
Heymanns, Köln, S. 551 - 568
688. **Köck, W.** (2012):
Kapitel 1 Allgemeine Vorschriften. § 7 Begriffsbestimmungen. Abs. 2 Nr. 7-9
In: Schlacke, S. (Hrsg.)
GK-BNatSchG Bundesnaturschutzgesetz
Gemeinschaftskommentare zum Umweltrecht
Heymanns, Köln, S. 125 - 125
689. **Koschorreck, M.** (2012):
Mining Lake 111: A German reference lignite pit lake
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 376 - 387
690. **Koschorreck, M.** (2012):
Benthic primary production
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 172 - 176
691. **Krellenberg, K.** (2012):
A science-policy approach towards local adaptation planning: the case of Santiago de Chile
In: Otto-Zimmermann, K. (ed.)
Resilient Cities 2. Cities and Adaptation to Climate Change – Proceedings of the Global Forum 2011
Local Sustainability 2
Springer, Dordrecht, p. 233 - 240

692. **Kuhlicke, C., Kabisch, S., Krellenberg, K.**, Steinführer, A. (2012):
Urban vulnerability under conditions of global environmental change: conceptual
reflections and empirical examples from growing and shrinking cities
In: Kabisch, S., Kunath, A., Schweizer-Ries, P., Steinführer, A. (eds.)
Vulnerability, risks, and complexity: impacts of global change on human habitats
Advances in People-Environment Studies 3
Hogrefe, Cambridge, Mass., p. 27 - 38
693. **Kuschk, P., Wiessner, A., Seeger, E.M., Kästner, M., Kappelmeyer, U.**, Paredes, D.,
Shtemenko, N.I. (2012):
The status of research on constructed wetlands
In: Vitale, K. (ed.)
Environmental and food safety and security for South-East Europe and Ukraine.
Proceedings NATO Advanced Research Workshop on Environmental and Food Security
for South-East Europe and Ukraine, Dnepropetrovsk, Ukraine, 17-19 May 2011
NATO Science for Peace and Security Series C: Environmental Security
Springer, Dordrecht, p. 155 - 171
694. Leinweber, P., **Rupp, H.**, Zimmer, D., Baum, C., Graul, M., **Meißner, R.** (2012):
Landnutzungskonzepte auf kontaminierten Standorten - Beitrag zur Konfliktlösung in der
Landnutzung
Agrarspectrum 45
DLG-Verlag, Frankfurt/M., S. 170 - 178
695. **Lienhoop, N., Messner, F.** (2012):
The economics of mine pit restoration: The case of pit lakes in Lusatia, Germany
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 421 - 435
696. **Mackenzie, K., Bleyl, S., Schierz, A., Georgi, A.** (2012):
In-situ generation of sorption and reaction barriers using colloidal sorbents and
sorbent-carried nano-iron
In: Dey, T. (ed.)
Nanotechnology for water purification
Brown Walker Press, Boca Raton, FL, p. 71 - 88
697. Martin, S., Deffuant, G., **Calabrese, J.M.** (2011):
Defining resilience mathematically: from attractors to viability
In: Deffuant, G., Gilbert, N. (eds.)
Viability and resilience of complex systems: concepts, methods and case studies from
ecology and society
Understanding Complex Systems
Springer, Berlin, p. 15 - 36

698. Mathey, J., **Rink, D.** (2012):
Urban redevelopment and quality of open spaces
In: Meyers, R.A. (ed.)
Encyclopedia of Sustainability Science and Technology
p. 11361 - 11375
699. Mehl, D., Steinhäuser, A., Kasper, D., **Kasperidus, H.D., Scholz, M.** (2012):
Treibhausgasemissionen in Flussauen
In: Scholz, M., Born, W., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Henle, K. (Hrsg.)
Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention, Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ; Ergebnisse des F+E-Vorhabens (FKZ 3508850100)
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 85 - 101
700. Mehl, D., Steinhäuser, A., **Kasperidus, H.D., Scholz, M.** (2012):
HochwasserRetention
In: Scholz, M., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Born, W., Henle, K. (Hrsg.)
Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention, Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ; Ergebnisse des F+E-Vorhabens (FKZ 3508850100)
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 34 - 47
701. **Möckel, S.** (2012):
Flurbereinigungsrecht
In: Härtel, I. (Hrsg.)
Handbuch des Fachanwalts Agrarrecht
Luchterhand, Köln, S. 820 - 846
702. **Möckel, S.** (2012):
Kapitel 4 Schutz bestimmter Teile von Natur und Landschaft. Abschnitt 2 Netz "Natura 2000". § 36 Pläne
In: Schlacke, S. (Hrsg.)
GK-BNatSchG Bundesnaturschutzgesetz
Gemeinschaftskommentare zum Umweltrecht
Heymanns, Köln, S. 517 - 522

703. **Möckel, S.** (2012):
Kapitel 4 Schutz bestimmter Teile von Natur und Landschaft. Abschnitt 2 Netz "Natura 2000". § 35 Gentechnisch veränderte Organismen
In: Schlacke, S. (Hrsg.)
GK-BNatSchG Bundesnaturschutzgesetz
Gemeinschaftskommentare zum Umweltrecht
Heymanns, Köln, S. 511 - 516
704. **Möckel, S.** (2012):
Kapitel 4 Schutz bestimmter Teile von Natur und Landschaft. Abschnitt 2 Netz "Natura 2000". § 31 Aufbau und Schutz des Netzes "Natura 2000"
In: Schlacke, S. (Hrsg.)
GK-BNatSchG Bundesnaturschutzgesetz
Gemeinschaftskommentare zum Umweltrecht
Heymanns, Köln, S. 454 - 461
705. **Möckel, S.** (2012):
Kapitel 4 Schutz bestimmter Teile von Natur und Landschaft. Abschnitt 2 Netz "Natura 2000". Vorbemerkungen zu §§ 31-36
In: Schlacke, S. (Hrsg.)
GK-BNatSchG Bundesnaturschutzgesetz
Gemeinschaftskommentare zum Umweltrecht
Heymanns, Köln, S. 446 - 453
706. **Möckel, S.** (2012):
Kapitel 1 Allgemeine Vorschriften. § 7 Begriffsbestimmungen. Abs. 1 Nr. 4-9
In: Schlacke, S. (Hrsg.)
GK-BNatSchG Bundesnaturschutzgesetz
Gemeinschaftskommentare zum Umweltrecht
Heymanns, Köln, S. 124 - 124
707. **Möckel, S.** (2012):
Kapitel 4 Schutz bestimmter Teile von Natur und Landschaft. Abschnitt 2 Netz "Natura 2000". § 32 Schutzgebiete
In: Schlacke, S. (Hrsg.)
GK-BNatSchG Bundesnaturschutzgesetz
Gemeinschaftskommentare zum Umweltrecht
Heymanns, Köln, S. 462 - 494

708. **Möckel, S.**, Wolf, R. (2012):
Kapitel 4 Schutz bestimmter Teile von Natur und Landschaft. Abschnitt 2 Netz "Natura 2000". § 33 Allgemeine Schutzzvorschriften
In: Schlacke, S. (Hrsg.)
GK-BNatSchG Bundesnaturschutzgesetz
Gemeinschaftskommentare zum Umweltrecht
Heymanns, Köln, S. 495 - 499
709. **Netzband, M.**, Schöpfer, E., Möller, M. (2011):
Monitoring urban change with ASTER data
In: Ramachandran, B., Justice, C.O., Abrams, M.J. (eds.)
Land remote sensing and global environmental change. NASA's earth observing system and the science of ASTER and MODIS
Remote Sensing and Digital Image Processing 11
Springer, p. 397 - 419
710. **Nuissl, H., Höhnke, C., Lukas, M.**, Durán, G., Seeger, C.R. (2012):
Megacity governance: concepts and challenges
In: Heinrichs, D., Krellenberg, K., Hansjürgens, B., Martínez, F. (eds.)
Risk habitat megacities
Springer, Berlin ; Heidelberg, p. 87 - 108
711. Railsback, S.F., **Grimm, V.** (2012):
Individual-based ecology
In: Hastings, A., Gross, L. (eds.)
Encyclopedia of Theoretical Ecology
University of California Press, Berkeley, CA, p. 365 - 371
712. **Rebmann, C.**, Kolle, O., Heinesch, B., Queck, R., Ibrom, A., Aubinet, M. (2012):
Data acquisition and flux calculations
In: Aubinet, M., Vesala, T., Papale, D. (eds.)
Eddy covariance. A practical guide to measurement and data analysis
Springer, p. 59 - 83
713. **Rink, D.**, Herbst, H. (2012):
From wasteland to wilderness – aspects of a new form of urban nature
In: Richter, M., Weiland, U. (eds.)
Applied urban ecology : a global framework
Wiley-Blackwell, Chichester, p. 82 - 92

714. **Rink, K., Fischer, T., Gräbe, A., Kolditz, O.** (2012):
Visual preparation of hydrological models
In: Oswald, S.E. (ed.)
Models - repositories of knowledge : proceedings of ModelCARE2011 held in Leipzig, Germany, September 2011
IAHS Publ. 355
IAHS Press, Wallingford, Oxfordshire, p. 113 - 118
715. Robrecht, H., Lorena, L., Mühlmann, P., Mader, A., Calcaterra, E., Nel, J., Hammerl, M., Moola, F., Ludlow, D., Wackernagel, M., Teller, A., de Witt, M., van Zyl, H., **Berghöfer, A.** (2012):
Ecosystem services in cities and public management
In: Wittmer, H., Gundimeda, H. (eds.)
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, p. 99 - 127
716. **Schaeffer, M.** (2011):
Illustrated description of a simple methodology for quantifying fine sediment input into river bed substrate
In: Dashzeveg, T. (ed.)
Geoecological Issues in Mongolia Special edition
Mongolian Academy of Sciences, Institute of Geoecology, Ulaanbaatar, p. 36 - 40
717. Schaller, M., Beierkuhnlein, C., Rajmis, S., Schmidt, T., **Nitsch, H., Liess, M., Kattwinkel, M., Settele, J.** (2012):
Auswirkungen auf landwirtschaftlich genutzte Lebensräume
In: Mosbrugger, V., Brasseur, G.P., Schaller, M., Stribrny, B. (Hrsg.)
Klimawandel und Biodiversität - Folgen für Deutschland
Wiss. Buchgesell., Darmstadt, S. 222 - 259
718. **Schetke, S., Kötter, T., Haase, D.** (2012):
Socio-environmental impacts of new housing development at infill and greenfield sites - methodical design for a multicriteria assessment
In: Ganser, R., Piro, R. (eds.)
Parallel patterns of shrinking cities and urban growth : spatial planning for sustainable development of city regions and rural areas
Ashgate, Farnham, UK, p. 207 - 223

719. **Scheuer, S., Haase, D., Meyer, V.** (2012):
Spatial explicit multicriteria flood risk – fundamentals and semantics of multicriteria
flood risk assessment
In: Wong, T.S.W. (ed.)
Flood risk and flood management
Hydrological Science and Engineering
Nova Science Publishers, New York, p. 1 - 34
720. **Scholz, M., Cierjacks, A., Kasperidus, H.D., Schulz-Zunkel, C., Rupp, H., Steinmann,
A., Krüger, F.** (2012):
Kohlenstoffvorrat in Flussauen
In: Scholz, M., Born, W., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Henle, K.
(Hrsg.)
*Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention,
Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ;
Ergebnisse des F+E-Vorhabens (FKZ 3508850100)*
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 73 - 84
721. **Scholz, M., Kasperidus, H.D., Ilg, C., Henle, K.** (2012):
Habitatfunktion
In: Scholz, M., Born, W., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Henle, K.
(Hrsg.)
*Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention,
Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ;
Ergebnisse des F+E-Vorhabens (FKZ 3508850100)*
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 102 - 146
722. **Scholz, M., Kasperidus, H.D., Mehl, D., Born, W., Schulz-Zunkel, C.** (2012):
Szenarien künftiger Auenentwicklung
In: Scholz, M., Born, W., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Henle, K.
(Hrsg.)
*Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention,
Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ;
Ergebnisse des F+E-Vorhabens (FKZ 3508850100)*
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 184 - 197

723. **Scholz, M., Kasperidus, H.D., Mehl, D., Schulz-Zunkel, C.** (2012):
Wirkung und Deichrückverlegungen auf die Auenfunktionen
In: Scholz, M., Born, W., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Henle, K.
(Hrsg.)
Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention, Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ; Ergebnisse des F+E-Vorhabens (FKZ 3508850100)
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 168 - 183
724. **Scholz, M., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Born, W., Henle, K.**
(2012):
Summary
In: Scholz, M., Born, W., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Henle, K.
(Hrsg.)
Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention, Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ; Ergebnisse des F+E-Vorhabens (FKZ 3508850100)
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 215 - 221
725. **Scholz, M., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Born, W., Henle, K.**
(2012):
Forschungsbedarf
In: Scholz, M., Born, W., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Henle, K.
(Hrsg.)
Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention, Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ; Ergebnisse des F+E-Vorhabens (FKZ 3508850100)
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 198 - 206
726. **Scholz, M., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Born, W., Henle, K.**
(2012):
Zusammenfassung
In: Scholz, M., Born, W., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Henle, K.
(Hrsg.)
Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention, Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ; Ergebnisse des F+E-Vorhabens (FKZ 3508850100)
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 207 - 214

727. **Scholz, M.**, Mehl, D., **Schulz-Zunkel, C.**, **Kasperidus, H.D.**, **Born, W.**, **Henle, K.** (2012):
Einführung
In: Scholz, M., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Born, W., Henle, K. (Hrsg.)
Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention, Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ; Ergebnisse des F+E-Vorhabens (FKZ 3508850100)
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 17 - 33
728. **Schultze, M.**, **Geller, W.**, **Boehrer, B.** (2012):
Morphology, age, and development of pit lakes
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 11 - 17
729. **Schultze, M.** (2012):
Influence of groundwater on pit lakes
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 17 - 22
730. **Schultze, M.**, **Hemm, M.**, **Geller, W.**, **Benthaus, F.-C.** (2012):
Pit lakes in Germany: Hydrography, water chemistry, and management
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 265 - 291
731. **Schultze, M.** (2012):
Maximising use of waters produced by mining
In: McCullough, C.D., Lund, M.A., Wyse, L. (eds.)
International Mine Water Association Symposium : 2012: Bunbury, Western Australia, Sept. 29 to Oct. 4, 2012 ; proceedings
International Mine Water Association (IMWA), p. 11 - 19

732. **Schulz-Zunkel, C., Scholz, M., Kasperidus, H.D.**, Krüger, F., Natho, S., Venohr, M. (2012):
Nährstoffrückhalt
In: Scholz, M., Born, W., Mehl, D., Schulz-Zunkel, C., Kasperidus, H.D., Henle, K. (Hrsg.)
Ökosystemfunktionen von Flussauen : Analyse und Bewertung von HochwasserRetention, Nährstoffrückhalt, Kohlenstoffvorrat, Treibhausgasemissionen und Habitatfunktion ; Ergebnisse des F+E-Vorhabens (FKZ 3508850100)
Naturschutz und biologische Vielfalt 124
Bundesamt für Naturschutz (BfN), Bonn, S. 48 - 72
733. **Schurig, C., Kästner, M.** (2012):
Direct Push BACTRAP; factsheet
In: Kästner, M., Braeckeveld, M., Döberl, G., Cassiani, G., Petrangeli Papini, M., Leven-Pfister, C., van Ree, D. (eds.)
Model-driven soil probing, site assessment and evaluation : guidance on technologies
Sapienza Università Editrice, Rome, Italy, p. 64 - 66
734. **Schurig, C., Kästner, M.** (2012):
Classical BACTRAP; factsheet
In: Kästner, M., Braeckeveld, M., Döberl, G., Cassiani, G., Petrangeli Papini, M., Leven-Pfister, C., van Ree, D. (eds.)
Model-driven soil probing, site assessment and evaluation : guidance on technologies
Sapienza Università Editrice, Rome, Italy, p. 61 - 63
735. **Schurig, C., Kästner, M.** (2012):
In situ microcosms for demonstrating microbial contaminant degradation (BACTRAP®)
In: Kästner, M., Braeckeveld, M., Döberl, G., Cassiani, G., Petrangeli Papini, M., Leven-Pfister, C., van Ree, D. (eds.)
Model-driven soil probing, site assessment and evaluation - guidance on technologies
Sapienza Universita Editrice, Rome, p. 219 - 229
736. Singh, S.J., Dudley, N., **Wittmer, H.**, Munch-Petersen, N.F., Raes, L., Kretschmar, T. (2012):
Ecosystem services in rural areas and natural resource management
In: Wittmer, H., Gundimeda, H. (eds.)
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, p. 129 - 164

737. **Tauchnitz, N.**, Bischoff, J., Schrödter, M., **Rupp, H.**, **Meissner, R.** (2012): Einfluss von Leguminosen in Maisfruchtfolgen auf die Sickerwassermenge und den Nitrataustrag anhand von Lysimeteruntersuchungen
Kongressband 2012 Passau. Vorträge zum Generalthema: Nachhaltigkeitsindikatoren für die Landwirtschaft: Bestimmung und Eignung
VDLUFA-Schriftenreihe 68
Verband Deutscher Landwirtschaftlicher Untersuchungs- und Forschungsanstalten (VDLUFA), Darmstadt, S. 245 - 252
738. **Tauchnitz, N.**, Bischoff, J., Schrödter, M., Wiese, T., **Rupp, H.**, **Meissner, R.** (2012): Erhöhung der N-Effizienz in Maisfruchtfolgen mit Hilfe des Gülle-Strip-Till-Verfahrens
Kongressband 2012 Passau. Vorträge zum Generalthema: Nachhaltigkeitsindikatoren für die Landwirtschaft: Bestimmung und Eignung
VDLUFA-Schriftenreihe 68
Verband Deutscher Landwirtschaftlicher Untersuchungs- und Forschungsanstalten (VDLUFA), Darmstadt, S. 504 - 509
739. Tilma, M., Hilkert, E.J., **de Rooij, G.H.**, Jesiek, J., Mohtar, R.H. (2012): Air sparging for contaminant removal: applications
In: Heldman, D.R., Moraru, C.I. (eds.)
Encyclopedia of Agricultural, Food, and Biological Engineering, 2. ed.
CRC Press/Taylor & Francis, Boca Raton, FL, p. 1 - 7
740. Tilma, M., Hilkert, E.J., **de Rooij, G.H.**, Jesiek, J., Mohtar, R.H. (2012): Air sparging for contaminant removal: theory
In: Heldman, D.R., Moraru, C.I. (eds.)
Encyclopedia of Agricultural, Food, and Biological Engineering, 2. ed.
CRC Press/Taylor & Francis, Boca Raton, FL, p. 1 - 5
741. Traoré, I., Sié, A., Coulibaly, B., Yé, M., **Karthe, D.**, Kappas, M. (2012): Rapid screening and mapping of urinary schistosomiasis prevalence among primary school children in Sourou Valley, Burkina Faso
In: Kappas, M., Groß, U., Kelleher, D. (eds.)
Global health : a challenge for interdisciplinary research
Univ.-Verl. Göttingen, Göttingen, p. 255 - 281
742. **Volk, M.**, Fohrer, N., Schmalz, B., Ullrich, A. (2011): Application of the SWAT model for ecohydrological modelling in Germany
In: Shukla, M.K. (ed.)
Soil hydrology, land use and agriculture
CABI, Wallingford, p. 176 - 195

743. **Wätzold, F., Wissel, S.** (2012):
Creating markets to conserve biodiversity: conservation banking
In: Wittmer, H., Gundimeda, H. (eds.)
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, p. 251 - 261
744. Weithoff, G., Spijkerman, E., **Kamjunke, N., Tittel, J.** (2012):
Trophic interaction and energy flow
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 135 - 149
745. **Wells, M.** (2012):
Polycyclic aromatic hydrocarbon (PAH) sensitive bacterial biosensors in environmental health
In: Preedy, V.R., Patel, V.B. (eds.)
Biosensors and environmental health
Science Publishers, Boca Raton, FL, p. 170 - 190
746. **Wendt-Potthoff, K.** (2012):
Benthic and sediment community and processes
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 176 - 186
747. **Wendt-Potthoff, K.** (2012):
Acid pit lakes as special habitats
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 107 - 107
748. **Wendt-Potthoff, K.** (2012):
Prokaryotic microorganisms, protists and fungi
In: Geller, W., Schultze, M., Kleinmann, R., Wolkersdorfer, C. (eds.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering / Environmental Science
Springer, Berlin, Heidelberg, p. 126 - 135

749. **Wissel, S., Berghöfer, A., Jordan, R., Oldfield, S., Stellmacher, T., Förster, J.** (2012):
Certification and labelling
In: Wittmer, H., Gundimeda, H. (eds.)
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, p. 263 - 278
750. **Wittmer, H., Berghöfer, A., Förster, J.** (2012):
Appendix: practical advice, FAQs, tools and databases
In: Wittmer, H., Gundimeda, H. (eds.)
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, p. 301 - 313
751. **Wittmer, H., Berghöfer, A., Keune, H., Martens, P., Förster, J., Almack, K.** (2012):
The value of nature for local development
In: Wittmer, H., Gundimeda, H. (eds.)
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, p. 7 - 32
752. **Wittmer, H.** (2012):
Introduction
In: Wittmer, H., Gundimeda, H. (eds.)
The economics of ecosystems and biodiversity in local and regional policy and management
Earthscan, London, p. 1 - 3
753. **Zehner, B., Bilke, L., Kalbacher, T., Kalbus, E., Rink, K., Rausch, R., Kolditz, O.** (2012):
Mixed 2D/3D visualization of a large scale groundwater study in a virtual reality centre
In: Oswald, S.E. (ed.)
Models - repositories of knowledge : proceedings of ModelCARE2011 held in Leipzig, Germany, September 2011
IAHS Publ. 355
IAHS Press, Wallingford, Oxfordshire, p. 127 - 132
754. **Zielinski, F.U., Dubilier, N.** (2012):
Der Eukaryoten-Zellkern als ökologische Nische für Bakterien
In: Jahn, D. (Hrsg.)
Zellbiologie und Mikrobiologie : das Beste aus BIOspektrum
Springer Spektrum, Berlin, Heidelberg, S. 114 - 116

Bericht

755. **Bernt, M.**, Cocks, M., Couch, C., **Grossmann, K.**, **Haase, A.**, **Rink, D.** (2012):
Policy response, governance and future directions
Shrink Smart Research Brief 2
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 28 pp.
756. Bizer, K., **Bovet, J.**, Henger, R., Jansen, N., Klug, S., Ostertag, K., Schleich, J.,
Siedentop, S., **Kunath, A.**, Schönfelder, C. (2012):
Projekt FORUM: Handel mit Flächenzertifikaten : fachliche Vorbereitung eines
überregionalen Modellversuchs
Texte Umweltbundesamt 60
Umweltbundesamt, Dessau-Roßlau, 252 S.
757. Bräutigam, K.-R., Kopfmüller, J., Lehn, H., Oertel, M., Quintero, A.,
Simon, L., Stelzer, V., **Krellenberg, K.**, **Müller, A.**, **Welz, J.**, Harris, J., León
Aristizábal, S.M., Morales Reyes, M.K., Cortés, G., Descalzi, A., García, L., McPhee, J.,
Rojas, M., Vergas, L., García Soler, N. (2012):
Plan de adaptación al cambio climático para la Región Metropolitana de Santiago de
Chile
Helmholtz Centre for Environmental Research - UFZ, Leipzig, 63 pp.
758. Bräutigam, K.-R., Kopfmüller, J., Lehn, H., Oertel, M., Quintero, A.,
Simon, L., Stelzer, V., **Krellenberg, K.**, **Müller, A.**, **Welz, J.**, Harris, J., León
Aristizábal, S.M., Morales Reyes, M.K., Cortés, G., Descalzi, A., García, L., McPhee, J.,
Rojas, M., Vergas, L., García Soler, N. (2012):
Manual de Implementación para el Plan de Adaptación al Cambio Climático para la RMS
Helmholtz Centre for Environmental Research - UFZ, Leipzig, 32 pp.
759. Cortés, G., **Schaller, Sven**, Rojas, M., Garcia, L., Descalzi, A., Vargas, L., McPhee, J.
(2012):
Assessment of the current climate and expected climate changes in the Metropolitan
Region of Santiago de Chile
UFZ-Bericht 3/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 53 pp.
760. Ewen, C., **Borchardt, D.**, **Richter, S.**, Hammerbacher, R. (2012):
Risikostudie Fracking : Übersichtsfassung der Studie "Sicherheit und
Umweltverträglichkeit der Fracking-Technologie für die Erdgasgewinnung aus
unkonventionellen Quellen"
team ewen, Darmstadt, 74 S.

761. Flessa, H., Müller, D., Plassmann, K., Osterburg, B., Techel, A.-K., **Nitsch, H.**, Nieberg, H., Sanders, J., Meyer zu Hartlage, O., Beckmann, E., Anspach, V. (2012): Studie zur Vorbereitung einer effizienten und gut abgestimmten Klimaschutzpolitik für den Agrarsektor
Landbauforschung Sonderheft 361
VTI, Braunschweig, 443 S.
762. **Gawel, E.** (2012): Sind die Preise für Wasserdienstleistungen der Ver- und Entsorgung in Deutschland wirklich kostendeckend?
UFZ-Diskussionspapiere 5/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 26 S.
763. **Gawel, E., Heuson, C., Lehmann, P.** (2012): Efficient public adaptation to climate change – an investigation of drivers and barriers from a Public Choice perspective
UFZ-Diskussionspapiere 14/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 28 pp.
764. **Gawel, E., Strunz, S., Lehmann, P.** (2012): The German *Energiewende* under attack - is there an irrational *Sonderweg*?
UFZ-Diskussionspapiere 15/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 14 pp.
765. Georgi, B., Swart, R., Marinova, N., van Hove, B., Jacobs, C., Klostermann, J., Kazmierczak, A., Peltonen, L., Koppenothen, L., Oinonen, K., Havránek, M., Cruz, M.J., Gregor, M., Fons-Esteve, J., Keskitalo, C., Juhola, S., **Krellenberg, K.**, van Bree, L. (2012): Urban adaptation to climate change in Europe. Challenges and opportunities for cities together with supportive national and European policies
EEA Report 2/2012
Office for Official Publications of the European Communities, Luxembourg, 143 pp.
766. **Görke, U.-J., Kolditz, O.**, Park, C.-H., **Shao, H.**, **Singh, A.K.**, **Wang, W.** (2012): Numerische Simulation von thermo-hydro-mechanisch-chemisch (THM/C) gekoppelten Prozessen
UFZ-Bericht 4/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 68 S.
767. **Görke, U.-J., Kolditz, O.**, Park, C.-H., **Taron, J.**, **Wang, W.**, **Watanabe, N.**, **Zehner, B.** (2012): Numerische Simulation geomechanischer Prozesse bei der Verpressung von CO₂
UFZ-Bericht 7/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 70 S.

768. **Hagemann, N.** (2012):
Institutional obstacles for the implementation of a River Basin Management concept in Western Ukraine
UFZ-Diskussionspapiere 11/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 19 pp.
769. **Heuson, C., Gawel, E., Gebhardt, O., Hansjürgens, B., Lehmann, P., Meyer, V., Schwarze, R.** (2012):
Fundamental questions on the economics of climate adaptation - outlines of a new research programme
UFZ-Bericht 5/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 85 pp.
770. **Heuson, C., Gawel, E., Gebhardt, O., Hansjürgens, B., Lehmann, P., Meyer, V., Schwarze, R.** (2012):
Ökonomische Grundfragen der Klimaanpassung : Umrisse eines neuen Forschungsprogramms
UFZ-Bericht 2/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 91 S.
771. **Heuson, C., Peters, W., Schwarze, R.**, Topp, A.K. (2012):
Which mode of funding developing countries' climate policies under the post-Kyoto framework?
UFZ-Diskussionspapiere 10/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 19 pp.
772. **Karthe, D., Borchardt, D.** (2012):
Integrated water resources management – model region Mongolia. Project profile
Helmholtz Centre for Environmental Research - UFZ, Leipzig, 16 pp.
773. **Krellenberg, K., Müller, A., Welz, J.**, Bräutigam, R., Kopfmüller, J., Lehn, H., Örtel, M., Simon, L., Stelzer, V., Quintero, A. (2012):
Pedro aguirre cerda. CAS. Material informativo municipal
Helmholtz Centre for Environmental Research - UFZ, Leipzig, 27 pp.
774. **Krellenberg, K., Müller, A., Welz, J., Nagel, J.**, Bräutigam, R., Kopfmüller, J., Lehn, H., Quintero, A., Örtel, M., Simon, L., Stelzer, V. (2012):
ClimaAdapataciónSantiago - CAS. Manual para profesionales
Helmholtz Centre for Environmental Research - UFZ, Leipzig, 35 pp.
775. **Lee, M.-Y., Kohlheb, N., Emödi, A.** (2012):
Steuerung des Wandels im Theiß-Einzugsgebiet – Eine Institutionen- und Stakeholderanalyse
UFZ-Diskussionspapiere 8/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 44 S.

776. Leßmann, O., **Rauschmayer, F.** (2012):
Re-conceptualising sustainable development on the basis of the capability approach : a model and its difficulties. GeNECA 5
UFZ-Diskussionspapiere 3/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 22 pp.
777. **Lucich Larrauri, I. M.** (2012):
Incentive scheme based on investment plan compliance for public water utilities in Peru
UFZ-Diskussionspapiere 2/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 31 pp.
778. Maes, J., **Hauck, J.**, Paracchini, M.L., Ratamäki, O., Termansen, M., Perez-Soba, M., Kopperoinen, L., Rankinen, K., Schägner, J.P., Henrys, P., Cisowska, I., Zandersen, M., **Jax, K.**, La Notte, A., Leikola, N., Pouta, E., Smart, S., Hasler, B., Lankia, T., Andersen, H.E., Lavalle, C., Vermaas, T., Alemu, M.H., Scholefield, P., Batista, F., Pywell, R., Hutchins, M., Blemmer, M., Fonnesbech-Wulff, A., Vanbergen, A.J., Münier, B., Baranzelli, C., Roy, D., Thieu, V., Zulian, G., Kuussaari, M., Thodsen, H., Alanen, E.-L., Egoh, B., Sørensen, P.B., Braat, L., Bidoglio, G. (2012):
A spatial assessment of ecosystem services in Europe: methods, case studies and policy analysis - phase 2. Synthesis report
PEER Report 4
Partnership for European Environmental Research, Helsinki, 40 pp.
779. Marzelli, S., Moning, C., Daube, S., Offenberger, M., Grêt-Regamey, A., Rabe, S.-E., Köllner, T., Poppenborg, P., **Hansjürgens, B.**, **Ring, I.**, **Schröter-Schlaack, C.**, Schweppé-Kraft, B., Macke, S. (2012):
Naturkapital Deutschland – TEEB DE. Der Wert der Natur für Wirtschaft und Gesellschaft – eine Einführung
ifuplan, München, 90 S.
780. **Masson, T.**, Leßmann, O. (2012):
Nachhaltigkeitsindikatoren und Capabilities: Anknüpfungspunkte aus der deutschen Nachhaltigkeitsforschung
UFZ-Diskussionspapiere 7/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 31 S.
781. **Mewes, M.**, **Sturm, A.**, **Johst, K.**, **Drechsler, M.**, Wätzold, F. (2012):
Handbuch der Software Ecopay zur Bestimmung kosteneffizienter Ausgleichzahlungen für Maßnahmen zum Schutz gefährdeter Arten und Lebensraumtypen im Grünland
UFZ-Bericht 1/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 152 S.

782. **Mumbunan, S., Ring, I., Lenk, T.** (2012):
Ecological fiscal transfers at the provincial level in Indonesia
UFZ-Diskussionspapiere 6/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 35 pp.
783. Schäpke, N., **Rauschmayer, F.** (2012):
Addressing sufficiency – including altruistic motives in behavioural models for sustainability transitions
UFZ-Diskussionspapiere 17/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 25 pp.
784. Schäpke, N., **Rauschmayer, F.** (2012):
Foundations for a common approach. Deliverables of the EU-Project InContext
Ecologic, Berlin, 45 pp.
785. Schramek, J., Osterburg, B., Kasperczyk, N., **Nitsch, H.**, Wolff, A., Weis, M.,
Hülemeyer, K. (2012):
Vorschläge zur Ausgestaltung von Instrumenten für einen effektiven Schutz von
Dauergrünland
BfN-Skripten 323
Bundesamt für Naturschutz (BfN), Bonn, 112 pp.
786. **Sigel, K.** (2012):
Urban water supply and sanitation in Mongolia : a description of the political, legal, and
institutional framework
UFZ-Diskussionspapiere 1/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 48 pp.
787. Thiel, A. (2012):
The politics of problem solving: a co-evolutionary perspective on the recent scalar
reorganisation of water governance in Germany
UFZ-Diskussionspapiere 9/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 22 pp.
788. **Thronicker, Ines** (2012):
Das Leipziger Mobilitätspaket für Umzugler: Bedingungen für eine wirksame
Maßnahmenumsetzung zur Erhöhung der Nutzung von Öffentlichem Verkehr, Carsharing
und Fahrrad. Abschlussbericht Kooperationspartner
UFZ-Diskussionspapiere 4/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 36 S.

Berichtartikel

789. **Brack, W.** (2012):
Emerging substances of toxicological concern in a world full of chemicals - the NORMAN way to find the needles in the haystack
Norman Bulletin 2012/3
NORMAN Network, p. 1 - 2
790. **Franck, U., Krüger, M., Schwarz, N., Großmann, K., Lehmann, I., Röder, S., Schlink, U.** (2012):
Heat stress in urban areas: indoor and outdoor temperatures in different types of housing areas in the city of Leipzig and subjectively reported well-being
In: Raabe, A. (Hrsg.)
METTOOLS VIII - Tagungsband : 20.03.2012 - 22.03.2012 ; [an der Universität Leipzig ; eine Tagung des Fachausschusses Umweltmeteorologie FAUMET der Deutschen Meteorologischen Gesellschaft DMG e.V.]
Wissenschaftliche Mitteilungen aus dem Institut für Meteorologie der Universität Leipzig 49
Universität Leipzig, Institut für Meteorologie, Leipzig, S. 107 - 108
791. **Hansjürgens, B.** (2012):
TEEB – The Economics of Ecosystem and Biodiversity – und die Umweltgerechtigkeit
In: Jumppertz, E., Spreter, R. (Hrsg.)
Umweltgerechtigkeit & Biologische Vielfalt: Stadtnatur und ihre soziale Dimension in Umweltbildung und Stadtentwicklung
Deutsche Umwelthilfe e.V., Berlin, S. 20 - 21
792. **Henle, K.** (2012):
Optionen für Biodiversitätsmonitoring in Deutschland – Ergebnisse aus den EU-Projekten EuMon, EBONE und SCALES
In: Dauber, J., Klimek, S., Schmidt, T., Urban, B., Kownatzki, D., Seidling, W. (Hrsg.)
Wege zu einem ziel- und bedarfsorientierten Monitoring der Biologischen Vielfalt im Agrar- und Forstbereich - Workshopbericht -
Landbauforschung Sonderheft 365
VTI, Braunschweig, S. 59 - 73
793. **Karthe, D., Borchardt, D., Hufert, F.** (2012):
Implementing Integrated Water Resources Management: experiences from a Central Asian Model Region
In: Pandya, A.B. (ed.)
India Water Week 2012. Water, energy and food security : call for solutions, Part A3
Ministry of Water Resources, Government of India, Delhi, p. 1 - 15

794. **Karthe, D., Borchardt, D., Kaus, A.** (2011):
Towards an integrated water resources management for the Kharaa catchment, Mongolia
Climate Change and Water Management. International Conference, Darkhan
Darkhan Agricultural University, p. 85 - 98
795. **Karthe, D., Borchardt, D., Kaus, A.** (2011):
Towards an integrated water resources management for the Kharaa catchment, Mongolia
In: Gurinovič, A.D. (ed.)
Proceedings of the IWA 1st Central Asian Regional Young and Senior Water Professionals Conference, Almaty/Kazakhstan
p. 79 - 93
796. **Karthe, D.**, Chalov, S., **Theuring, P.**, Belozarova, E. (2012):
Integration meso- und makroskaliger Ansätze zum Wasserressourcen-Monitoring und Management im Baikal-Selenga-Einzugsgebiet
In: Chifflard, P., Cyffka, B., **Karthe, D.**, Wetzel, K.-F. (Hrsg.)
Beiträge zum 44. Jahrestreffen des Arbeitskreises Hydrologie, 15.-17. November 2012, WasserCluster Lunz am See, Niederösterreich. [Proceedings of the 44th annual conference of the working group on hydrology of the German Geographical Society]
AK Hydrologie im VGDH, S. 95 - 99
797. **Karthe, D., Theuring, P., Borchardt, D.**, Hufert, F. (2012):
An integrated water monitoring concept designed for a multi-stressor environment:
experiences from the Kharaa River Basin, Mongolia
In: Tserashchuk, M. (ed.)
Proceedings of the IWA Young and Senior Water Professionals Conference St Petersburg 2012 Part I
p. 40 - 48
798. **Kaus, A., Karthe, D., Borchardt, D.** (2011):
Incorporating fish ecology into water resources management: current research in Northern Mongolia
In: Gurinovič, A.D. (ed.)
Proceedings of the IWA 1st Central Asian Regional Young and Senior Water Professionals Conference, Almaty/Kazakhstan
p. 94 - 102

799. **Kolditz, O., Bilke, L., Fischer, T., Rink, K., Shao, H., Wang, W., Watanabe, N.** (2012):
OpenGeoSys: an open source initiative for numerical simulation of geological and hydrological environments
In: Hinkelmann, R. (ed.)
Proceedings of 10th International Conference on Hydroinformatics : HIC 2012 ; understanding changing climate and environment and finding solutions ; Hamburg, Germany, July 14 - 18, 2012
TuTech Innovation, Hamburg,
800. **Kopinke, F.-D.** (2012):
Environmental catalysis in water
Chemistry at the Universität Leipzig
Universität Leipzig, Leipzig, p. 62 - 63
801. **Kopinke, F.-D., Angeles-Wedler, D., Kraus, M., Ramus, K., Rusevova, K., Schneider, J.** (2011):
Wastewater treatment with colloids and nanocatalysts
BuildMoNa : graduate school Building with Molecules and Nano-objects. Annual report 2010
Universität Leipzig, Leipzig, p. 56 - 59
802. **Kopinke, F.-D., Harms, H.** (2012):
BuildMoNa's fourth year - a principal investigator's view. Different perspectives on the same matter
BuildMoNa : graduate school Building with Molecules and Nano-objects. Annual report 2011
Universität Leipzig, Leipzig, p. 88 - 89
803. **Kopinke, F.-D., Ramus, K., Rusevova, K., Schneider, J.** (2012):
Nano-catalysts for water treatment - nano-catalysis in water
BuildMoNa : graduate school Building with Molecules and Nano-objects. Annual report 2011
Universität Leipzig, Leipzig, p. 62 - 65
804. **Lazik, D., Ebert, S.** (2012):
Stand und Perspektive membranbasierter Liniengassensorik zur flächenhaften CO2 - Leckagedetektion in Böden
In: Maiwald, M. (Hrsg.)
Tagungsband 8. Kolloquium Arbeitskreis Prozessanalytik 3.-4. Dezember 2012 in Berlin / Deutschland
BAM Bundesanstalt für Materialforschung und -prüfung, Berlin, S. 23

805. **Ludwig, G.** (2012):
Germany: Legal aspects of shale gas exploration and extraction
SHIP Shale Gas Information Platform
Helmholtz-Zentrum Potsdam - Deutsches GeoForschungsZentrum, Potsdam,
806. **Moeller, L., Görsch, K.** (2012):
Bestimmung der Oberflächenspannung
In: Liebetrau, J., Pfeiffer, D., Thrän, D. (Hrsg.)
Messmethodensammlung Biogas. Methoden zur Bestimmung von analytischen und prozessbeschreibenden Parametern im Biogasbereich
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 7
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, S. 73 - 74
807. **Moeller, L., Görsch, K.** (2012):
Bestimmung des Proteingehaltes
In: Liebetrau, J., Pfeiffer, D., Thrän, D. (Hrsg.)
Messmethodensammlung Biogas. Methoden zur Bestimmung von analytischen und prozessbeschreibenden Parametern im Biogasbereich
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 7
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, S. 38 - 40
808. **Moeller, L., Görsch, K.** (2012):
Bestimmung der organischen Säuren
In: Liebetrau, J., Pfeiffer, D., Thrän, D. (Hrsg.)
Messmethodensammlung Biogas. Methoden zur Bestimmung von analytischen und prozessbeschreibenden Parametern im Biogasbereich
Schriftenreihe des BMU-Förderprogramms "Energetische Biomassenutzung" 7
Deutsches BiomasseForschungszentrum (DBFZ), Leipzig, S. 33 - 36
809. **Scholz, M., Kasperidus, H.D., Schulz-Zunkel, C., Mehl, D.** (2012):
Betrachtung von Auenfunktionen vor und nach der Deichrückverlegung bei Lenzen
In: Struck, A., Garbe, H., Felinks, B. (Hrsg.)
Auenreport Spezial. Die Deichrückverlegung bei Lenzen : erste Ergebnisse der wissenschaftlichen Begleitung
Ministerium für Umwelt, Gesundheit und Verbraucherschutz des Landes Brandenburg,
Potsdam, S. 85 - 91
810. **Schulze, T., Schymanski, E., Stravs, M., Neumann, S., Krauss, M., Singer, H., Hug, C., Gallampois, C., Hollender, J., Slobodnik, J., Brack, W.** (2012):
NORMAN MassBank: Towards a community-driven, open-access accurate mass spectral database for the identification of emerging pollutants
Norman Bulletin 2012/3
NORMAN Network, p. 9 - 11

811. **Settele, J., Musche, M.**, Thomas, J.A. (2012):
CLIMIT - CLimate change impacts on Insects and their MITigation
In: Korn, H., Kraus, K., Stadler, J. (Hrsg.)
Proceedings of the European Conference on Biodiversity and Climate Change – Science, Practice and Policy –
BfN-Skripten 310
Bundesamt für Naturschutz (BfN), Bonn, S. 38 - 38
812. Vohland, K., Kreft, S., Badeck, F.-W., Böhning-Gaese, K., Cramer, W., **Hanspach, J.**, Ibisch, P.L., **Klotz, S., Kühn, I.**, Trautmann, S. (2012):
Spotlights on risks and policy options for Germany's protected areas under climate change
In: Korn, H., Kraus, K., Stadler, J. (Hrsg.)
Proceedings of the European Conference on Biodiversity and Climate Change – Science, Practice and Policy –
BfN-Skripten 310
Bundesamt für Naturschutz (BfN), Bonn, S. 67 - 68

Patent

813. **Baskyr, I., Hildebrand, H., Kopinke, F.-D., Köhler, R., Pörschmann, J.** (2012):
Verfahren und Reaktor zur hydrothermalen Karbonisierung von Biomassen im
Tiefschacht-Reaktor und zur gleichzeitigen Nassoxidation der anfallenden Prozesswässer
Deutsches Patent- und Markenamt, München
814. **Roland, U., Trommler, U., Kraus, M., Kopinke, F.-D.** (2012):
Vorrichtung zur qualitativen und quantitativen Analyse der Komponenten eines Gases
Deutsches Patent- und Markenamt, München
815. **Schulze, T., Brack, W., Walz, K.-H.** (2012):
Verfahren und Vorrichtung zur Festphasenextraktion aus einer Flüssigkeit
Europäisches Patentamt, München
816. Seyfarth, M., Friedrich, H., **Meissner, R.** (2012):
Vorrichtung und Verfahren zur Entnahme von Bodensäulen
Deutsches Patent- und Markenamt, München

Qualifizierungsarbeit

817. **Das, S.** (2011):
Integrated assessment of regional biofuel scenarios – a case study from India
Dissertation, Martin-Luther-Universität Halle-Wittenberg
174 pp.
818. **De Biase, C.** (2012):
Numerical modeling and experimental analysis of volatile contaminant removal from vertical flow filters : (met een samenvatting in het Nederlands) ; proefschrift = Numerieke modellering en experimentele analyse van de eliminatie van vluchtige verontreinigingen in verticale doorstroomfilters
Dissertation
Utrecht studies in earth sciences 18
University Utrecht, Utrecht, 105 pp.
819. **Dislich, C.** (2012):
The role of life history traits for coexistence and forest recovery after disturbance - a modelling perspective. Towards a better understanding of species-rich forests
Dissertation, Universität Bayreuth
PhD Dissertation 1/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 119 pp.
820. **Drechsler, M.** (2012):
Modellbasierte Analysen zur kosteneffizienten räumlich-zeitlichen Allokation von Artenschutzmaßnahmen
Dissertation, Martin-Luther-Universität Halle-Wittenberg
PhD Dissertation 6/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 41+Anh. S.
821. **Everaars, J.** (2012):
The response of solitary bees to landscape configuration with focus on body size and nest-site preference
Dissertation, Martin-Luther-Universität Halle-Wittenberg
PhD Dissertation 7/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 146 pp.
822. **Gerisch, M.** (2012):
Too complex to fail? Taxonomic and functional re-organization of ground beetle communities (*Coleoptera, Carabidae*) following an extreme flood event
Dissertation, Universität Leipzig
PhD Dissertation 8/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 140 pp.

823. **Görsch, K.** (2012):
Einfluss des Sauerstoffs auf mikrobiell induzierte Redox- und
Metallsolubilisierungsprozesse in Gewässersedimenten
Dissertation, TU Dresden
PhD Dissertation 3/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 136 S.
824. **Hanzel, J.** (2012):
Impact of vapor-phase contaminants on microbial growth and chemotaxis
Dissertation, Universität Leipzig
PhD Dissertation 4/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 102 pp.
825. **Schweitzer, C.** (2012):
Modelling land-use and land-cover change and related environmental impact in Northern
Mongolia
Dissertation, Martin-Luther-Universität Halle-Wittenberg
133 pp.
826. Surudo, K. (2012):
Influence of dissolved organic matter on the availability of organic compounds:
desorption and mass transfer kinetics
Dissertation, Universität Leipzig, Fakultät für Chemie und Mineralogie
PhD Dissertation 5/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 133 pp.
827. Valdes, K. (2012):
Der Schutz der Biodiversität im Gentechnikrecht unter besonderer Berücksichtigung der
Risikokontrolle gentechnisch veränderter Pflanzen
Dissertation, Universität Leipzig
PhD Dissertation 2/2012
Helmholtz-Zentrum für Umweltforschung GmbH - UFZ, Leipzig, 287 S.

Tagungsbeitrag

828. **Büttner, O., Baborowski, M.** (2012):
Depth Depending Pattern Recognition - a tool for visualization of spatial and temporal similarities of properties in sediment cores
Die Elbe und ihre Sedimente. Magdeburger Gewässerschutzseminar 2012. 10. und 11. Oktober 2012 in Hamburg
Internationale Kommission zum Schutz der Elbe IKSE, Wernigerode, S. 120 - 121
829. **Büttner, O., Baborowski, M., Böhme, M., Gläßer, C., Matthies, M., Rode, M.,**
Sauer, A., Schanze, J., Sonnabend, B., Schulz, M., **von Tümping, W., Walz, U.** (2012):
Ergebnisse der Hochwasser- und Schadstoffausbreitungsmodellierung unter extremen Abflussbedingungen im Rahmen des SARISK Projektes
Partikuläre Stoffströme in Flusseinzugsgebieten. Kolloquium am 20./21. September 2011 in Koblenz
Veranstaltungen / BfG 1/2012
Bundesanstalt für Gewässerkunde, Koblenz, S. 49 - 60
830. **De Biase, C., Maier, U., Oswald, S., Thullner, M.** (2012):
Reactive transport simulation of volatile organic compound removal in vertical flow soil filters
ModelCare 2011: Models – Repositories of Knowledge. 8th International Conference on Calibration and Reliability in Groundwater Modeling, 18-22 September 2011, Helmholtz Centre for Environmental Research – UFZ, Leipzig, Germany - Book of Abstracts
p. 62
831. **Dierke, C., Werban, U., Dietrich, P.** (2012):
Impact of changing weather conditions on mobile gamma-ray measurements for soil mapping
EAGE Remote Sensing Workshop, 3 - 5 September 2012, Paris, France
p. RS23
832. **Dietrich, P., Bumberger, J., Vienken, T.** (2012):
Neue Entwicklungen für den Einsatz von Direct-Push Sensorsystemen
In: Egloffstein, T., Burkhardt, G. (Hrsg.)
Aus Altlasten lernen, Präventivkonzepte zur Vermeidung von Neulasten - Von der Altlastensanierung zum vorsorgenden Boden- und Grundwasserschutz. Beiträge zum Seminar ; 27. und 28. Juni 2012, IHK Karlsruhe, Haus der Wirtschaft
Bauen und Umwelt 22
ICP, Karlsruhe, S. 37 - 42

833. **Elgehausen, J., Völker, J., Borchardt, D.** (2011):
Eine Äschenregion ohne Äschen: Untersuchungen zum Bestandsrückgang am Beispiel der Lenne
In: Bäthe, J. (Hrsg.)
Erweiterte Zusammenfassungen der Jahrestagung 2010 der Deutschen Gesellschaft für Limnologie (DGL) und der Deutschen und Österreichischen Sektion der Societas der Societas Internationalis Limnologiae (SIL) : Bayreuth, 27. Sept. - 01. Okt. 2010
Eigenverlag der Deutschen Gesellschaft für Limnologie, Hardegsen, S. 293 - 299
834. **Görke, U.J., Wang, W., Kolditz, O.** (2012):
Towards a European modelling framework analysing coupled physico-chemical processes in porous media for geotechnical applications
In: Eberhardsteiner, J. (ed.)
ECCOMAS 2012 : September 10 - 14, 2012, Vienna, Austria ; proceedings of the 6th European Congress on Computational Methods in Applied Sciences and Engineering
Technische Universität Wien, Wien, p. 4212 - 4227
835. **Hausmann, J., Steinel, Hannes, Werban, U., Dietrich, P.** (2012):
Characterisation of a meander structure using MASW and direct push-techniques
Near Surface Geoscience 2012 – 18th European Meeting of Environmental and Engineering Geophysics Paris, France, 3-5 September 2012
p. P58
836. **Helbig, C., Rink, K., Marx, A., Priess, J., Bernhard, L., Frank, M., Kolditz, O.** (2012):
Visual integration of diverse environmental data: a case study in Central Germany
In: Seppelt, R., Voinov, A.A., Lange, S., Bankamp, D. (eds.)
Proceedings of the sixth biennial meeting of the International Environmental Modelling and Software Society, Leipzig, Germany, July 1-5, 2012
p. 2350 - 2357
837. Hernandez-Santiago, C., Volk, M., Priess, J.A. (2012):
Impacts of human settlements on a coastal landscape: the case of Rio Verde Basin, Mexico
In: Seppelt, R., Voinov, A.A., Lange, S., Bankamp, D. (eds.)
Proceedings of the sixth biennial meeting of the International Environmental Modelling and Software Society, Leipzig, Germany, July 1-5, 2012
p. 3152 - 3159

838. **Karthe, D., Borchardt, D.** (2012):
Incorporating biodiversity into integrated water resources management: experiences from the Kharaa catchment, Mongolia
Erforschung biologischer Ressourcen der Mongolei: Abstracts of the International Symposium "Biodiversity Research in Mongolia", 25-29 March 2012, Halle (Saale), Germany
Wissenschaftliche Beiträge der Martin-Luther-Universität Halle-Wittenberg
Martin-Luther-Universität Halle-Wittenberg, Halle/S., p. 92 - 93
839. **Kaus, A., Schäffer, M., Borchardt, D.** (2012):
Fish ecology and management - Current research in the Kharaa and Eroo river catchments, northern Mongolia
Erforschung biologischer Ressourcen der Mongolei: Abstracts of the International Symposium "Biodiversity Research in Mongolia", 25-29 March 2012, Halle (Saale), Germany
Wissenschaftliche Beiträge der Martin-Luther-Universität Halle-Wittenberg
Martin-Luther-Universität Halle-Wittenberg, Halle/S., p. 93 - 93
840. Krüger, F., **Baborowski, M., Rupp, H., Scholz, M.** (2012):
Large-scale sediment retention in the Elbe river floodplains
Die Elbe und ihre Sedimente. Magdeburger Gewässerschutzseminar 2012. 10. und 11. Oktober 2012 in Hamburg
Internationale Kommission zum Schutz der Elbe IKSE, Wernigerode, S. 47 - 50
841. **Priess, J.A., Schweitzer, C.** (2012):
Representation of environmental dynamics in models of socio-environmental systems
In: Seppelt, R., Voinov, A.A., Lange, S., Bankamp, D. (eds.)
Proceedings of the sixth biennial meeting of the International Environmental Modelling and Software Society, Leipzig, Germany, July 1-5, 2012
p. 2148 - 2154
842. Purevdorj, S., **Schäffer, M., Borchardt, D.** (2012):
Food consumption in relation to composition and prey selectivity of a drift and benthic feeding fish species of comparative sites in the Kharaa river catchment, Northern Mongolia
Erforschung biologischer Ressourcen der Mongolei: Abstracts of the International Symposium "Biodiversity Research in Mongolia", 25-29 March 2012, Halle (Saale), Germany
Wissenschaftliche Beiträge der Martin-Luther-Universität Halle-Wittenberg
Martin-Luther-Universität Halle-Wittenberg, Halle/S., p. 96 - 97

843. **Rink, K., Bilke, L., Selle, B., Kolditz, O.** (2012):
User guided generation of hydrological models: interface design, workflows and concepts
for an extensible software framework
In: Seppelt, R., Voinov, A.A., Lange, S., Bankamp, D. (eds.)
*Proceedings of the sixth biennial meeting of the International Environmental Modelling
and Software Society, Leipzig, Germany, July 1-5, 2012*
p. 1255 - 1262
844. Rinklebe, J., **Wennrich, R.**, Du Laing, G., **Stärk, H.J.**, Mothes, S. (2012):
Mercury emissions from flooded soils and sediments in Germany are an underestimated
problem: challenges for reliable risk assessments and management strategies
*16th International Conference on Heavy Metals in the Environment (ICHMET 16), 23-27
September 2012, Rome, Italy*
845. **Sauer, U., Schütze, C.**, Schlömer, S., Leven, C., **Dietrich, P.** (2012):
Linking different disciplines in a hierarchical approach to identify CO₂ degassing zones
*Near Surface Geoscience 2012 – 18th European Meeting of Environmental and
Engineering Geophysics Paris, France, 3-5 September 2012*
p. P36
846. Saulyegul, A., **Schäffer, M.**, Soninkhishig, N., **Ibisch, R.**, **Borchardt, D.**, Samjaa, R.
(2012):
Life cycle strategy of the main aquatic insect groups in the Kharaa river basin, Mongolia
*Erforschung biologischer Ressourcen der Mongolei: Abstracts of the International
Symposium "Biodiversity Research in Mongolia", 25-29 March 2012, Halle (Saale),
Germany*
Wissenschaftliche Beiträge der Martin-Luther-Universität Halle-Wittenberg
Martin-Luther-Universität Halle-Wittenberg, Halle/S., p. 98 - 98
847. **Schäffer, M.**, Saulyegul, A., **Borchardt, D.** (2012):
Aquatic macroinvertebrate and fish communities in the Kharaa river basin, North
Mongolia: pressures and assessment
*Erforschung biologischer Ressourcen der Mongolei: Abstracts of the International
Symposium "Biodiversity Research in Mongolia", 25-29 March 2012, Halle (Saale),
Germany*
Wissenschaftliche Beiträge der Martin-Luther-Universität Halle-Wittenberg
Martin-Luther-Universität Halle-Wittenberg, Halle/S., p. 98 - 99
848. **Schütze, C., Lau, S., Reiche, N., Sauer, U., Borsdorf, H., Dietrich, P.** (2012):
Ground-based remote sensing using OP-FTIR spectroscopy – a feasibility study for
application in greenhouse gas control
EAGE Remote Sensing Workshop, 3 - 5 September 2012, Paris, France
p. RS33

849. **Weise, H., Gawel, E., Frank, K.** (2012):
Forest vs. fuel – how could the politically fostered demand for energy crops influence the effectiveness of REDD+ instruments?
In: Seppelt, R., Voinov, A.A., Lange, S., Bankamp, D. (eds.)
2012 International Congress on Environmental Modelling and Software - Managing Resources of a Limited Planet, Sixth Biennial Meeting, Leipzig, Germany
p. 743 - 750
850. **Werban, U., Nüscher, A.-K., Behrens, T., Sauer, U., Schmidt, K., Dietrich, P.** (2012):
Landscape scale – quality assurance to integrate electromagnetical induction
Near Surface Geoscience 2012 – 18th European Meeting of Environmental and Engineering Geophysics Paris, France, 3-5 September 2012
p. P28
851. **Wiemers, M., Denner, M., Schweiger, O., Winter, M.** (2012):
Biodiversitätsindikatoren für Klimaveränderungen am Beispiel der Tagfalter und Libellen Sachsens
Biodiversität und Klima – Vernetzung der Akteure in Deutschland VIII – Ergebnisse und Dokumentation des 8. Workshops an der Internationalen Naturschutzakademie des Bundesamtes für Naturschutz, Insel Vilm, 31.08. – 03.09.2011
BfN-Skripten 307
Bundesamt für Naturschutz (BfN), Bonn, S. 54 - 57

UFZ-Autorenregister**A**

Adrian, L.	271, 461, 563
Akter, S.	1, 2, 3, 614
Al-Mushaikhi, K. S. A.	6
Algora, C.	21
Almack, K.	751
Altdorff, D.	8, 590
Altenburger, R.	9, 146, 339, 448, 511
Anadón, J.D.	10, 315, 495
Angeles-Wedler, D.	801
Angermann, L.	250
Attinger, S.	6, 294, 487
Auge, H.	95, 453, 462, 466
Auliya, M.	184, 496
Aurich, A.	290, 309, 628

B

Baasch, S.	497, 498, 499
Baborowski, M.	16, 17, 828, 829, 840
Bärlund, I.	114, 185, 270, 322, 457, 476, 509
Baessler, C.	680
Bandow, N.	478
Banitz, T.	18
Banzhaf, E.	349, 629, 630
Bartels, P.	359
Bartke, S.	363
Baskyr, I.	813
Bastida, F.	21, 293
Bastisch, C.	25
Bataineh, M.	265
Bathe, F.	582
Bauch, B.	551
Bauer, C.	289
Baumgarten, T.	24, 25
Beck, S.	27, 28, 500, 631, 632
Beckmann, M.	29, 30
Bednorz, D.	384
Bedtke, N.	545
Beketov, M.	366
Beketov, M.A.	31, 209, 210, 252
Berghöfer, A.	633, 634, 672, 715, 749, 750, 751
Bernt, M.	503, 755
Berthold, T.	504
Bilke, L.	429, 753, 799, 843
Bittens, M.	275
Bleicher, A.	36, 37, 635, 663
Bleyl, S.	38, 268, 696
Bocaniov, S.	41
Böhme, A.	432
Böhme, M.	829
Boehrer, B.	73, 84, 636, 637, 638, 728
Bönn, M.	325
Böttcher, N.	46, 215
Boettger, T.	456
Bolze, S.	593
Bombach, P.	110, 288
Bonnineau, C.	639
Borchardt, D.	164, 196, 197, 501, 564, 585, 608, 760, 772, 793, 794, 795, 797, 798, 833, 838, 839, 842, 846, 847
Born, W.	626, 640, 722, 724, 725, 726, 727

Borsdorf, H.	45, 68, 610, 848
Bossdorf, O.	453
Bovet, J.	571, 756
Boyacioglu, H.	47
Bozinovski, D.	48
Brabender, M.	49
Brack, W.	171, 265, 269, 392, 402, 445, 454, 506, 789, 810, 815
Braeckevelt, M.	50, 69, 479, 625, 641, 642
Bräuer, K.	396
Brandt, A.	395
Bravidor, J.	169
Bretschneider, W.	532, 533
Breulmann, M.	52, 81
Brüggemann, L.	470
Buchmann, C.M.	26
Büttner, A.	60
Büttner, O.	16, 169, 438, 556, 828, 829
Bumberger, J.	58, 832
Busch, W.	9, 60, 229
Buscot, F.	40

C

Calabrese, J.M.	62, 697
Carl, G.	643
Carminati, A.	292, 354, 486
Caucci, S.	504
Centler, F.	134, 196, 436
Chatzinotas, A.	221, 390, 409
Chen, H.	148
Chen, Z.	68, 69, 479
Christ, S.	482
Cipriotti, P.A.	72
Cooper, M.	461
Cuntz, M.	71, 165, 471

D

Das, S.	817
Daus, B.	214, 470
De Biase, C.	77, 818, 830
de Rooij, G.H.	39, 78, 739, 740
Delfs, J.O.	80, 196, 463
Dierke, C.	831
Dietrich, P.	8, 43, 44, 51, 58, 64, 85, 160, 216, 217, 231, 249, 280, 308, 311, 316, 326, 376, 396, 397, 450, 573, 590, 601, 831, 832, 835, 845, 848, 850
Dietz, S.	84
Dislich, C.	86, 819
Dombrowsky, I.	174
Dormann, C.F.	26, 57, 92, 202, 228, 241, 381, 444, 551, 574, 646
Drechsler, M.	98, 673, 781, 820
Droge, S.	93
Droge, S.T.J.	23, 66, 370
Duquesne, S.	116
Durka, W.	94, 95, 175, 176, 235, 285, 286, 386, 440, 458, 459, 488
Dziock, F.	132, 551

E

Ebeling, S.K.	95
Ebert, S.	242, 804
Eichhorn, M.	98

Eisinger, D.	11
Elgehausen, J.	833
Elizalde-Gonzales, M.P.	12
Endo, S.	99, 100, 101, 130, 297, 419
Eppink, F.V.	103
Erken, M.	104
Everaars, J.	821

F

Feisthauer, S.	110
Ferdi, S.	461
Fetzer, I.	18, 390, 414
Fischer, A.	50, 436
Fischer, T.	660, 714, 799
Flachowsky, J.	58, 326
Fleckenstein, J.H.	123, 190, 250, 377
Förster, J.	749, 750, 751
Foit, K.	115, 116
Franck, U.	139, 790
Frank, K.	18, 430, 849
Franko, U.	204, 562
Franz, S.	644
Franzén, M.	118, 119, 120, 121, 122, 304, 425, 510, 588, 612
Friese, K.	169, 647
Friesen, J.	61, 124, 417
Furuno, S.	127

G

Gaffron, A.	260
Gallampois, C.	810
Gawel, E.	512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 648, 649, 679, 762, 763, 764, 769, 770, 849
Gebhardt, O.	769, 770
Gehre, M.	257
Geisler, A.	130
Geistlinger, H.	231, 316
Geller, W.	622, 650, 651, 652, 653, 654, 655, 656, 728, 730
Georgi, A.	136, 268, 327, 328, 352, 356, 357, 657, 696
Gerisch, M.	131, 132, 822
Getzin, S.	133, 232, 474
Geyer, S.	182, 291
Geyer, W.	460
Giebler, J.	390
Girardi, C.	135
Goblirsch, T.	58
Görg, C.	561, 659
Görke, U.-J.	215, 412, 766, 767
Görke, U.J.	834
Görsch, K.	583, 584, 806, 807, 808, 823
Gonzalez-Olmos, R.	136, 352
Goss, K.-U.	93, 99, 101, 130, 297, 370, 378, 379, 380, 419
Gräbe, A.	660, 714
Grimm, V.	138, 151, 253, 277, 433, 434, 439, 493, 552, 620, 661, 711
Groeneveld, J.	202, 394, 662
Gross, M.	140, 141, 142, 143, 635, 663
Grossmann, K.	503, 595, 755
Großmann, K.	139, 153, 548, 549, 550, 790
Grote, M.	269
Gruber, B.	26, 172, 551, 561
Gündel, U.	146
Gutiérrez, A.G.	149, 553
Gutknecht, J.	34

Gutknecht, J.L.M. 87, 88, 89, 150, 481

H

Haange, S.-B.	152
Haase, A.	153, 154, 155, 195, 503, 548, 554, 587, 595, 676, 755
Haase, D.	20, 155, 156, 157, 195, 223, 236, 238, 239, 371, 399, 405, 426, 427, 609, 718, 719
Haase, U.	369
Härtig, C.	364, 395
Hagemann, N.	246, 665, 768
Hagenau, J.	658
Hahn-Tomer, S.	158, 555
Haila, Y.	561
Halbedel, S.	556
Hammen, V.	313
Hansjürgens, B.	557, 558, 559, 594, 616, 623, 640, 668, 669, 769, 770, 779, 791
Hanspach, J.	161, 455, 812
Hanzel, J.	162, 824
Harms, H.	18, 55, 127, 134, 162, 279, 364, 390, 395, 409, 414, 431, 437, 483, 592, 802
Harms, S.	560
Harnisch, F.	90
Harpke, A.	401
Hartig, F.	92, 163, 273, 394, 673
Hartwig, M.	164
Hauck, J.	666, 778
Hausmann, J.	835
Headley, T.R.	166, 167
Hein, M.	13
Heinrichs, D.	623, 667, 668, 669, 674
Heinzemann, D.	432
Heipieper, H.-J.	15, 25, 159, 287, 350
Heipieper, H.J.	24, 112
Helbig, C.	836
Hellmann, C.	359
Henle, K.	131, 132, 168, 172, 181, 201, 508, 546, 551, 561, 589, 598, 599, 626, 721, 724, 725, 726, 727, 792
Herbst, F.-A.	189, 293
Herrmann, S.	48
Herzsprung, P.	169, 647
Heuson, C.	244, 542, 763, 769, 770, 771
Hildebrand, H.	813
Hildebrandt, A.	196
Höfer, R.	260
Höhnke, C.	549, 617, 671, 710
Hölzl, C.	671
Holzer, F.	177, 179, 442, 596
Hommel, K.	383
Horlemann, L.	174
Hornemann, G.	175, 176
Hoyer, C.	177, 596
Hug, C.	810
Huth, A.	86, 149, 163, 430, 474, 553, 561
Huth-Schwarz, A.	180

I

Ibisch, R.	846
Ihle, T.	275
Ilg, C.	132, 181, 721
Iparraguirre Izaga, A.	183

J

- Jax, K. 353, 778
 Jehmlich, N. 189, 403
 Jeschke, C. 212
 Jiang, S. 329, 330
 Jiménez, N. 192
 Johst, K. 18, 98, 673, 781
 Jovani, R. 75
 Junghanns, C. 194

K

- Kabisch, N. 155, 195, 222
 Kabisch, S. 154, 155, 624, 674, 675, 676, 692
 Kästner, M. 50, 68, 69, 135, 288, 479, 625, 641, 642, 693, 733, 734, 735
 Kahlenberg, D. 399
 Kalbacher, T. 196, 197, 216, 217, 340, 412, 753
 Kalbus, E. 197, 753
 Kaldorf, M. 367
 Kalia, S. 231
 Kalkhof, S. 146
 Kamjunke, N. 198, 199, 438, 744
 Kappelmeyer, U. 693
 Kapurska, D. 224
 Karthe, D. 564, 565, 677, 678, 741, 772, 793, 794, 795, 796, 796, 797, 798, 838
 Kaske, O. 115, 116
 Kasperidus, H.D. 626, 640, 699, 700, 720, 721, 722, 723, 724, 725, 726, 727, 732, 809
 Kattwinkel, M. 574, 717
 Kaus, A. 794, 795, 798, 839
 Kern, K. 543, 679, 685
 Kindler, A. 629
 Klar, N. 203
 Klauer, B. 204, 317
 Kleinstuber, S. 205, 431
 Kloss, L. 247
 Klotz, S. 53, 206, 401, 566, 680, 812
 Klüver, N. 60
 Knapp, S. 26, 206, 207, 208, 566
 Knillmann, S. 209, 210
 Knöller, K. 6, 110, 212
 Köck, W. 543, 567, 568, 569, 570, 571, 681, 682, 683, 684, 685, 686, 687, 688
 Köhler, R. 813
 König, S. 360, 367
 Kolbe, F. 214
 Kolditz, O. 22, 46, 79, 80, 196, 197, 215, 216, 217, 340, 412, 429, 463, 660, 714, 753, 766, 767, 799, 834, 836, 843
 Kopinke, F.-D. 38, 136, 179, 189, 218, 268, 296, 327, 328, 352, 356, 357, 596, 800, 801, 802, 803, 813, 814
 Koschorreck, M. 219, 320, 469, 689, 690
 Kovacs, G.M. 35
 Kramer, S. 368
 Kraus, M. 442, 596, 801, 814
 Krauss, M. 13, 91, 145, 258, 402, 810
 Krellenberg, K. 623, 667, 668, 669, 674, 691, 692, 757, 758, 765, 773, 774
 Krohn, S. 221
 Kroll, F. 156, 222, 223
 Krüger, D. 224, 323, 368, 484
 Krüger, E. 43, 197
 Krumbiegel, P. 225, 423
 Kühn, I. 70, 170, 201, 202, 207, 228, 254, 255, 261, 272, 401, 406, 416, 572, 643, 670, 812
 Kühnel, D. 229, 605
 Küster, E. 146
 Kuhlicke, C. 226, 227, 283, 284, 418, 692
 Kuhlicke, U. 55

Kuka, K.	562
Kumar, R.	196
Kunath, A.	624, 675, 756
Kuppardt, A.	409
Kuschk, P.	68, 69, 479, 480, 613, 693

L

Lamert, H.	231, 316, 387, 396, 573, 601
Lange, M.	233, 234
Lange, R.	172
Lau, S.	848
Lausch, A.	240, 314
Lautenbach, S.	144, 241, 404, 464, 574
Lazik, D.	242, 804
Lee, M.-Y.	775
Lehmann, I.	790
Lehmann, P.	126, 243, 244, 763, 764, 769, 770
Leven, C.	249, 308, 326, 397
Leven-Pfister, C.	450, 625
Lienhoop, N.	695
Liess, M.	13, 31, 115, 116, 200, 209, 210, 252, 300, 366, 717
Lin, Y.	253, 489
Linkorn, Sören	606
Louzao, M.	262, 306, 465
Loyau, A.	263, 264, 561, 598
Lucich Larrauri, I. M.	777
Luckenbach, T.	295
Ludwig, G.	575, 576, 805
Lübcke-von Varel, U.	171, 265
Lukas, M.	671, 710
Luther, J.	283

M

Macherius, A.	266, 267
Mackenzie, K.	38, 268, 296, 657, 696
Malaj, E.	269
Marco-Urea, E.	271
Markantonis, V.	274
Markova, D.	591
Martin, B.T.	276, 277
Martínez, I.	278
Marx, A.	836
Maskow, T.	55, 279, 335
Masson, T.	780
Matsinos, Y.	42, 561
Mattusch, J.	12, 214, 298, 409
Mayer, T.	45
Meissner, R.	220, 491, 593, 658, 737, 738, 816
Meißner, R.	694
Merbach, I.	240, 449
Merz, R.	128, 346, 347, 452
Messner, F.	695
Mewes, M.	204, 282, 781
Meyer, V.	274, 283, 284, 640, 719, 769, 770
Michalski, S.G.	94, 175, 285, 286, 386, 488
Miltner, A.	135, 257, 288
Möckel, S.	543, 578, 579, 580, 581, 582, 701, 702, 703, 704, 705, 706, 707, 708
Moeder, M.	230, 266, 267, 289
Möder, M.	12, 14, 74, 321, 372
Moeller, L.	290, 583, 584, 806, 807, 808
Moll, J.	368
Moradi, A.B.	292, 354, 486
Morgenstern, P.	16, 470

Morris, B.E.L.	63, 192, 293
Mosig, P.	460
Mothes, S.	125, 460, 844
Moynihan, R.	665
Mühlenberg, J.	445
Müller, A.	618, 629, 757, 758, 773, 774
Müller, B.	373
Müller, J.A.	76
Müller, K.	470
Müller, M.S.	552
Müller, R.	166
Müller, R.A.	583, 584, 628
Müller, R.H.	364, 395, 483, 592
Mumbunan, S.	782
Musat, N.	7, 435
Musche, M.	670, 811
Musolff, A.	196, 377
Musuza, J.L.	294

N

Nagel, J.	774
Netzband, M.	709
Neu, T.R.	55, 248, 358
Nicholson, E.	373
Niemann, S.	246
Nikolaus, N.	421
Nitsch, H.	717, 761, 785
Nivala, J.	302
Nüsch, A.-K.	850
Nuissl, H.	671, 710

O

Oberbach, A.	152
Oswald, S.	6, 77, 830
Oswald, S.E.	292, 354
Otto, C.	628

P

Paasche, H.	96, 311, 443
Paschke, A.	13, 384, 385, 432
Paschke, H.	69, 479
Paulsch, A.	338
Pause, M.	240, 314
Pe'er, G.	42, 201, 494
Pecyna, M.J.	414
Petersen, T.	317
Pfennigsdorff, A.	101
Pfütze, C.	177
Pörschmann, J.	320, 813
Pohlert, M.	231
Polishchuk, Y.	319
Pompe, S.	670
Popp, P.	289
Popp, S.	590
Priess, J.	836
Priess, J.A.	837, 841
Prieto, A.	183, 321, 492
Przybylski, D.	483, 592
Purahong, W.	323

Purkus, A. 544

R

Rabe, C.	177, 596
Radu, F.A.	54
Ramus, K.	801, 803
Rauschmayer, F.	310, 319, 332, 776, 783, 784
Rebmann, C.	712
Reboulet, E.	44
Reemtsma, T.	266, 267, 289, 477
Reiche, N.	68, 848
Reinemann, C.	606
Reitz, T.	19
Renker, C.	360
Richnow, H.-H.	48, 293, 331, 387, 431, 436
Richnow, H.H.	106, 110, 147, 148, 192, 316, 352, 388, 403
Richter, S.	501, 585, 760
Riedl, J.	339
Ring, I.	310, 361, 559, 561, 577, 589, 594, 779, 782
Rink, D.	155, 503, 595, 698, 713, 755
Rink, K.	216, 217, 340, 660, 714, 753, 799, 836, 843
Rinke, K.	33, 441
Rode, M.	47, 164, 204, 645, 829
Rodríguez-Pérez, J.	318, 342, 343, 344, 345
Röder, S.	790
Rödiger, T.	182, 408, 660
Rohwerder, T.	352, 364, 395, 483, 592
Roland, U.	177, 179, 442, 596, 814
Roscher, C.	32, 237, 256, 259, 351
Rosell, M.	106, 352
Rudloff, R.	389
Rudolph, N.	354
Rupp, H.	593, 615, 619, 694, 720, 737, 738, 840
Rusevova, K.	352, 356, 357, 657, 801, 803

S

Samaniego, L.	196
Sauer, U.	396, 601, 845, 848, 850
Savonina, E.Y.	108, 109, 362
Schädler, M.	462
Schäfer, F.	364, 395, 483
Schäfer, T.	367, 389
Schaeffer, M.	716
Schäffer, M.	839, 842, 846, 847
Schaller, Sven	759
Schattenhofer, M.	437
Scheffler, K.	229
Schetke, S.	371, 718
Scheuer, S.	283, 719
Schiller, J.	204
Schirmer, K.	211
Schleinitz, K.M.	205
Schlank, U.	139, 790
Schlosser, D.	173, 194, 251, 414
Schlüter, M.	373
Schlüter, S.	374, 375
Schmeller, D.S.	264, 508, 551, 561, 598, 599
Schmidt, C.	377
Schmidt, F.	189, 403
Schmitt-Jansen, M.	9, 307, 339, 454, 511, 639, 644
Schmolke, A.	129
Schnabel, B.	482
Schneider, C.	196

Schneider, C.L.	487
Schneider, J.	596, 801, 803
Schneider, M.	378, 379, 380
Scholz, M.	574, 626, 640, 699, 700, 720, 721, 722, 723, 724, 725, 726, 727, 732, 809, 840
Scholz, S.	9, 60, 211, 382, 422
Schröter-Schlaack, C.	559, 779
Schubert, M.	117, 384, 385, 485
Schubert, T.	336
Schütt, M.	507
Schütze, C.	231, 396, 397, 573, 601, 845, 848
Schüürmann, G.	191, 413, 432, 445
Schultze, M.	622, 647, 650, 651, 652, 653, 654, 655, 656, 728, 729, 730, 731
Schulz, A.	231, 316, 387, 388
Schulz, E.	52, 81, 507
Schulz, H.	389
Schulz, K.	240
Schulz, S.	391
Schulz-Zunkel, C.	574, 626, 640, 720, 722, 723, 724, 725, 726, 727, 732, 809
Schulze, T.	171, 265, 392, 393, 402, 810, 815
Schurig, C.	733, 734, 735
Schuster, J.	364, 395, 483
Schwarz, N.	139, 156, 239, 398, 399, 550, 790
Schwarze, R.	274, 400, 621, 769, 770, 771
Schweiger, O.	82, 83, 102, 122, 201, 401, 416, 670, 851
Schweitzer, C.	111, 825
Schymanski, E.	810
Seeger, E.M.	460, 479, 693
Seidel, M.	110
Seifert, J.	24, 48, 152, 189, 271, 293, 303, 336, 403, 428, 431, 461
Selle, B.	843
Sendek, A.	572
Seppelt, R.	59, 98, 103, 156, 239, 240, 241, 337, 399, 404, 574
Settele, J.	70, 82, 83, 180, 201, 299, 401, 406, 416, 505, 546, 603, 607, 717, 811
Shao, H.	196, 216, 217, 429, 766, 799
Shi, M.-M.	407, 490
Siebert, C.	182, 291, 408
Siegfried, K.	409
Sigel, K.	410, 564, 786
Singer, A.	92, 202, 255, 394, 411
Singh, A.K.	46, 215, 412, 766
Spangenberg, J.H.	70, 404, 406, 415, 416, 604
Specht, R.	628
Stärk, H.J.	182, 470, 844
Stampfli, N.	210
Stampfli, N.C.	209
Stange, C.F.	67, 188
Stark, K.	139
Steinel, Hannes	835
Steinicke, H.	201
Stenzel, A.	419
Stolpovsky, K.	420
Stoltenburg, R.	355, 421, 606
Stottmeister, U.	628
Strauch, G.	6, 396, 423
Streck, G.	392, 393
Strehlitz, B.	290, 355, 421, 606
Strohbach, M.W.	156, 426, 427, 609
Strunz, S.	764
Sturm, A.	781
Sun, F.	196, 429

T

Tan, H.	329, 330
Tanneberger, K.	211
Tarkka, M.T.	383, 431, 484
Taron, J.	215, 767

Taubert, F.	430
Taubert, M.	403, 431
Tauchnitz, N.	737, 738
Teutsch, G.	197
Thaens, D.	432
Theuring, P.	164, 796, 797
Thronicker, Ines	788
Thulke, H.-H.	11, 233, 234
Thullner, M.	77, 134, 162, 420, 436, 830
Tilch, S.	559
Tischer, K.	437
Tittel, J.	438, 744
Trauth, N.	377
Trommler, U.	177, 442, 596, 814

U

Ulrich, N.	445
Unnerstall, H.	283

V

Vaclavik, T.	446, 447
van Pinxteren, M.	289
Vetterlein, D.	292
Vienken, T.	280, 397, 450, 832
Vieweg, Michael	377
Völker, J.	501, 585, 597, 608, 833
Völler, E.	453
Vogel, H.-J.	97, 245, 292, 374, 375, 467, 486
Vogt, C.	4, 5, 48, 189, 205, 316, 331, 387, 388, 431
Volk, M.	424, 475, 574, 742, 837
von Bergen, M.	24, 48, 146, 152, 189, 271, 293, 303, 336, 403, 431
von der Ohe, P.C.	137, 269, 365, 366, 413, 454, 472, 478, 502, 506, 602
von Tümpeling, W.	169, 213, 829
Voyevoda, M.	460
Václavík, T.	281

W

Wätzold, F.	664, 743
Wagner, A.	461
Walter, J.	462
Walther, M.	463
Wang, W.	80, 196, 215, 429, 766, 767, 799, 834
Watanabe, N.	767, 799
Weinert, J.	574
Weise, H.	849
Weise, S.M.	305
Weiss, H.	117, 214, 308
Weiβ, H.	260, 275
Weiβhuhn, K.	52, 466
Weitere, M.	104, 341, 451, 473, 556
Weller, U.	467
Wellner, P.	229
Wells, M.	745
Welz, J.	674, 757, 758, 773, 774
Wendeberg, A.	437, 468
Wendt-Potthoff, K.	219, 469, 746, 747, 748
Wemnrich, R.	107, 108, 109, 125, 214, 362, 470, 844
Werban, U.	64, 231, 316, 397, 573, 831, 835, 850
Werntze, A.	103, 611

Wey, J. K.	473
Wick, L.	113
Wick, L.Y.	18, 24, 25, 127, 162, 193, 390, 391
Wiegand, T.	65, 72, 186, 187, 232, 278, 301, 324, 333, 334, 344, 345, 474, 495
Wiemers, M.	425, 586, 600, 607, 851
Wiessner, A.	480, 613, 693
Winkler, U.	266
Winter, M.	26, 105, 178, 348, 547, 851
Wissel, C.	662
Wissel, S.	743, 749
Wittmer, H.	627, 634, 672, 736, 750, 751, 752
Wolf, K.	279
Wollschläger, U.	43, 56, 312
Wubet, T.	34, 224, 431, 481, 482
Würz, B.	364

Y

Yaneva, N.	483
Yao, J.	148, 192

Z

Zacharias, S.	43, 216, 217, 240, 314
Zarebanadkouki, M.	486
Zech, Alraune	487
Zehner, B.	753, 767
Zehnsdorf, A.	290, 583, 584
Zeng, X.	488
Zielinski, F.U.	468, 754
Zippel, B.	199
Zitzkat, D. P.	146
Zschornack, L.	308

Herausgeber

Helmholtz-Zentrum für Umweltforschung GmbH - UFZ

Permoserstraße 15
04318 Leipzig
Telefon 0341-235-0

Bearbeitung

Erika Schnauková

Michael Garbe

Heike Reichelt