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des Helmholtz-Zentrums für Umweltforschung GmbH – UFZ

Forschungsbereich Erde und Umwelt

Forschen für die Umwelt

Vorbemerkung

Das vorliegende Veröffentlichungsverzeichnis umfasst die im Jahre 2011 erschienenen Publikationen des Forschungsbereichs Erde und Umwelt, die von Mitarbeitern der Helmholtz- Zentrum für Umweltforschung GmbH - UFZ verfasst, mitverfasst oder herausgegeben wurden.

Redaktionsschluss für diese Publikationsliste war der 19. Juni 2012.

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.

Bei den Publikationen aus Zeitschriften mit Impact Factor (IF) werden diese mit aufgeführt. Der IF wird berechnet durch Division der Anzahl der Zitate von Aufsätzen der Zeitschrift durch die Gesamtzahl an Aufsätzen der Zeitschrift in den letzten zwei Jahren. Um einen Impact Factor zu erhalten muss die Zeitschrift im Scientific Citation Index gelistet sein.

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Zeitschriften mit Impact Factor

1. Acosta- Martínez, V., Bell, C.W., **Morris, B.E.L.**, Zak, J., Allen, V.G. (2010):
Long- term soil microbial community and enzyme activity responses to an
integrated cropping- livestock system in a semi- arid region
Agric. Ecosyst. Environ. **137** (3-4), 231 - 240
Impact Factor: 3.13
2. Adem, Z., Caro, J., **Furtado, F.**, Galvosas, P., Krause, C.B., Kärger, J. (2011):
Tracing pore- space heterogeneities in X- type zeolites by diffusion studies
Langmuir **27** (1), 416 - 419
Impact Factor: 3.898
3. Agbo, S.O., **Küster, E.**, **Georgi, A.**, Akkanen, J., Leppänen, M.T., Kukkonen,
J.V.K. (2011):
Photostability and toxicity of pentachlorophenol and phenanthrene
J. Hazard. Mater. **189** (1-2), 235 - 240
Impact Factor: 3.723
4. Alcamo, J., Schaldach, R., Koch, J., Kölking, C., Lapola, D., **Priess, J.A.** (2011):
Evaluation of an integrated land use change model including a scenario analysis
of land use change for continental Africa
Environ. Modell. Softw. **26** (8), 1017 - 1027
Impact Factor: 2.871
5. Allan, E., Weisser, W., Weigelt, A., **Roscher, C.**, Fischer, M., Hillebrand, H.
(2011):
More diverse plant communities have higher functioning over time due to turnover
in complementary dominant species
Proc. Natl. Acad. Sci. U. S. A. **108** (41), 17034 - 17039
Impact Factor: 9.771
6. Antic- Mladenovic, S., **Rinklebe, J.**, Frohne, T., **Stärk, H.J.**, **Wennrich, R.**,
Tomic, Z., Licina, V. (2011):
Impact of controlled redox conditions on nickel in a serpentine soil
J. Soils Sediments **11** (3), 406 - 415
Impact Factor: 2.574
7. Arroyo- Abad, U., **Elizalde- González, M.P.**, Hidalgo- Moreno, C.M., **Mattusch,**
J., **Wennrich, R.** (2011):
Retention of phenylarsenicals in soils derived from volcanic materials
J. Hazard. Mater. **176** (2-3), 1328 - 1334
Impact Factor: 3.723

8. Arroyo- Abad, U., **Mattusch, J., Moeder, M., Elizalde- González, M.P., Wennrich, R.**, Matysik, F.- M. (2011):
Identification of roxarsone metabolites produced in the system: soil- chlorinated water- light by using HPLC- ICP- MS/ ESI- MS, HPLC- ESI- MS/ MS and High Resolution Mass Spectrometry (ESI- TOF- MS)
J.Anal.Atom.Spectrom. **26** (1), 171 - 177
Impact Factor: 3.435
9. Aubinet, M., Feigenwinter, C., Heinesch, B., Bernhofer, C., Canepa, E., Lindroth, A., Montagnani, L., **Rebmann, C.**, Sedlak, P., van Gorsel, E. (2010):
Direct advection measurements do not help to solve the night- time CO2 closure problem: evidence from three different forests
Agric. For. Meteorol. **150** (5), 655 - 664
Impact Factor: 3.197
10. Aßmann, C., **Rinke, K.**, Nechwatal, J., von Elert, E. (2011):
Consequences of the colonisation of leaves by fungi and oomycetes for leaf consumption by a gammarid shredder
Freshw. Biol. **56** (5), 839 - 852
Impact Factor: 3.082
11. **Baborowski, M., Büttner, O.**, Einax, J.W. (2011):
Assessment of water quality in the Elbe River at low water conditions based on factor analysis
Clean- Soil Air Water **39** (5), 437 - 443
Impact Factor: 1.507
12. **Badea, S.L., Vogt, C., Gehre, M., Fischer, A.**, Danet, A.- F., **Richnow, H.- H.** (2011):
Development of an enantiomer- specific stable carbon isotope analysis (ESIA) method for assessing the fate of α - hexachlorocyclo- hexane in the environment
Rapid Commun. Mass Spectrom. **25** (10), 1363 - 1372
Impact Factor: 2.846
13. Balcke, G.U., Hahn, M., **Oswald, S.E.** (2011):
Nitrogen as an indicator of mass transfer during in- situ gas sparging
J.Contam.Hydrol. **126** (1-2), 8 - 18
Impact Factor: 2.124
14. **Banitz, T., Fetzer, I., Johst, K., Wick, L.Y., Harms, H., Frank, K.** (2011):
Assessing biodegradation benefits from dispersal networks
Ecol.Model. **222** (14), 2552 - 2560
Impact Factor: 1.769

15. **Banitz, T., Wick, L.Y., Fetzer, I., Frank, K., Harms, H., Johst, K.** (2011):
Dispersal networks for enhancing bacterial degradation in heterogeneous environments
Environ. Pollut. **159** (10), 2781 - 2788
Impact Factor: 3.395
16. **Bartke, S.** (2011):
Valuation of market uncertainties for contaminated land
Int. J. Strateg. Prop. Manag. **15** (4), 356 - 378
Impact Factor: 2.615
17. Barzola- quiquia, J., Böhlmann, W., Esquinazi, P., Schadewitz, A., Ballestar, A., Dusari, S., **Schultze Nobre, L.**, Kersting, B. (2011):
Enhancement of the ferromagnetic order of graphite after sulphuric acid treatment
Appl. Phys. Lett. **98** , 192511
Impact Factor: 3.554
18. **Bastida, F., Jechalke, S., Bombach, P., Franchini, A.G., Seifert, J., von Bergen, M., Vogt, C., Richnow, H.H.** (2011):
Assimilation of benzene carbon through multiple trophic levels traced by different stable isotope probing methodologies
FEMS Microbiol.Ecol. **77** (2), 357 - 369
Impact Factor: 3.456
19. **Beck, S.** (2011):
Moving beyond the linear model of expertise? IPCC and the test of adaptation
Reg. Environ. Change **11** (2), 297 - 306
Impact Factor: 1.29
20. Becker, T., Voss, N., **Durka, W.** (2011):
Pollen limitation and inbreeding depression in an 'old rare' bumblebee- pollinated grassland herb
Plant Biol. **13** (6), 857 - 864
Impact Factor: 2.409
21. **Beketov, M.A., Speranza, A., Liess, M.** (2011):
Ultraviolet radiation increases sensitivity to pesticides: synergistic effects on population growth rate of *Daphnia magna* at low concentrations
Bull. Environm. Contam. Toxicol. **87** (3), 231 - 237
Impact Factor: 1.139

22. Bende- Michl, U., **Volk, M.**, Harmel, D., Newham, L., Dalgaard, T. (2011):
Monitoring strategies and scale- appropriate hydrologic and biogeochemical
modelling for natural resource management: conclusions and recommendations
from a session held at the iEMSs 2008
Environ. Modell. Softw. **26** (4), 538 - 542
Impact Factor: 2.871
23. Bennati, L., Finizola, A., Walker, J.A., Lopez, D.L., Higuera- Diaz, I.C., **Schütze, C.**, Barahona, F., Cartagena, R., Conde, V., Funes, R., Rios, C. (2011):
Fluid circulation in a complex volcano- tectonic setting, inferred from self-
potential and soil CO₂ flux surveys: The Santa María- Cerro Quemado- Zunil
volcanoes and Xelacaldera (Northwestern Guatemala)
Journal of Volcanology and Geothermal Research **199** (3-4), 216 - 229
Impact Factor: 1.921
24. Benton, T., Hartel, T., **Settele, J.** (2011):
Food security: a role for Europe
Nature **480** (7375), 39 - 39
Impact Factor: 36.101
25. Bernhardt- Römermann, M., Gray, A., Vanbergen, A.J., Bergès, L., Bohner, A.,
Brooker, R.W., De Bruyn, L., De Cinti, B., Dirnböck, T., Grandin, U., Hester, A.J.,
Kanka, R., **Klotz, S.**, Loucougaray, G., Lundin, L., Matteucci, G., Mészáros, I.,
Oláh, V., Preda, E., Prévosto, B., Pykälä, J., Schmidt, W., Taylor, M.E.,
Vadineanu, A., Waldmann, T., **Stadler, J.** (2011):
Functional traits and local environment predict vegetation responses to
disturbance: a pan- European multi- site experiment
J. Ecol. **99** (3), 777 - 787
Impact Factor: 5.26
26. Betzholtz, P.- E., **Franzen, M.** (2011):
Mobility is related to species traits in noctuid moths
Ecol.Entomol. **36** (3), 369 - 376
Impact Factor: 1.852
27. Bhattacharyya, S., **Singh, A.K.** (2011):
Reduction in drag and vortex shedding frequency through porous sheath around
a circular cylinder
Int.J.Numer.Methods Fluids **65** (6), 683 - 689
Impact Factor: 1.06

28. Bindig, R., Hartmann, I., Koch, C., Matthes, M., Schenker, M., Thiel, C., **Kraus, M., Roland, U.**, Einicke, W.- D. (2011):
Abgasreinigung an Biomassekleinfeuerungsanlagen und experimentelle Untersuchungen zur Kombination von katalytischen und elektrostatischen Abgasreinigungsverfahren. Exhaust gas purification at small- scale biomass combustion and experimental investigation of a combination of catalytic and electrostatic exhaust aftertreatment
Chem. Ing. Tech. **83** (12), 2105 - 2120
Impact Factor: 0.347
29. Bird, D.J., **Duquesne, S.**, Hoeksema, S.D., Langston, W.J. (2011):
Complexity of spatial and temporal trends in metal concentrations in macroinvertebrate biomonitor species in the Severn Estuary and Bristol Channel
J. Mar. Biol. Assoc. U.K. **91** (1), 139 - 153
Impact Factor: 0.995
30. Bissett, A., **Neu, T.R.**, de Beer, D. (2011):
Dissolution of calcite in the twilight zone: bacterial control of dissolution of sinking planktonic carbonates is unlikely
PLoS ONE **6** (11), e26404
Impact Factor: 4.411
31. **Blanke, V., Wagner, M., Renker, C.**, Lippert, H., Michulitz, M., Kuhn, A.J., **Buscot, F.** (2011):
Arbuscular mycorrhizas in phosphate- polluted soil: interrelations between root colonization and nitrogen
Plant Soil **343** (1-2), 379 - 392
Impact Factor: 2.773
32. **Borsdorf, H., Mayer, T.** (2011):
Response of halogenated compounds in ion mobility spectrometry depending on their structural features
Talanta **83** (3), 815 - 822
Impact Factor: 3.722
33. **Borsdorf, H., Mayer, T.**, Zarejousheghania, M., Eiceman, G.A. (2011):
Recent developments in ion mobility spectrometry
Appl. Spectrosc. Rev. **46** (6), 472 - 521
Impact Factor: 3.686
34. **Bougeard, C., Gallampois, C., Brack, W.** (2011):
Passive dosing: an approach to control mutagen exposure in the Ames fluctuation test
Chemosphere **83** (4), 409 - 414
Impact Factor: 3.155

35. **Braeckevelt, M., Kästner, M., Kusch, P.** (2011):
Removal of monochlorobenzene and perchloroethene in wetland rhizosphere model systems
Eng.Life Sci. **11** (3), 298 - 308
Impact Factor: 1.504
36. **Braeckevelt, M., Reiche, N., Trapp, S., Wiessner, A., Paschke, H., Kusch, P., Kästner, M.** (2011):
Chlorobenzene removal efficiencies and removal processes in a pilot- scale constructed wetland treating contaminated groundwater
Ecol.Eng. **37** (6), 903 - 913
Impact Factor: 2.203
37. **Braeckevelt, M., Seeger, E.M., Paschke, H., Kusch, P., Kästner, M.** (2011):
Adaptation of a constructed wetland to simultaneous treatment of monochlorobenzene and perchloroethene
Int. J. Phytoremediat. **13** (10), 998 - 1013
Impact Factor: 1.936
38. Brand, U., **Görg, C.**, Wissen, M. (2011):
Second- order condensations of societal power relations: environmental politics and the internationalisation of the state from a Neo- Poulantzian perspective
Antipode **43** (1), 149 - 175
Impact Factor: 1.284
39. Brauchler, R., Hu, R., **Dietrich, P.**, Sauter, M. (2011):
A field assessment of high resolution aquifer characterization based on hydraulic travel time and hydraulic attenuation tomography
Water Resour. Res. **47** , W03503
Impact Factor: 2.737
40. **Brauns, M.**, Gücker, B., Wagner, C., Garcia, X.- F., Walz, N., Pusch, M.T. (2011):
Human lakeshore development alters the structure and trophic basis of littoral food webs
J. Appl. Ecol. **48** (4), 916 - 925
Impact Factor: 4.97
41. Bretzler, A., **Osenbruck, K.**, Gloaguen, R., Ruprecht, J., Kebebe, S., Stadler, S. (2011):
Groundwater origin and flow dynamics in active rift systems - a multi- isotope approach in the Main Ethiopian Rift
J.Hydrol. **402** (3-4), 274 - 289
Impact Factor: 2.514

42. **Bronner, G., Fenner, K., Goss, K.- U.** (2010):
Hexadecane/ air partitioning coefficients of multifunctional compounds:
experimental data and modeling
Fluid Phase Equilibr. **299** (2), 207 - 215
Impact Factor: 1.857
43. **Bronner, G., Goss, K.- U.** (2011):
Predicting sorption of pesticides and other multifunctional organic chemicals to
soil organic carbon
Environ. Sci. Technol. **45** (4), 1313 - 1319
Impact Factor: 4.825
44. **Bronner, G., Goss, K.- U.** (2011):
Sorption of organic chemicals to soil organic matter: influence of soil variability
and pH dependence
Environ. Sci. Technol. **45** (4), 1307 - 1312
Impact Factor: 4.825
45. Bruelheide, H., Böhnke, M., Both, S., Fang, T., Assmann, T., Baruffol, M.,
Beuhus, J., **Buscot, F.**, Chen, X.- Y., Ding, B.- Y., **Durka, W.**, Erfmeier, A.,
Fischer, M., Geißler, C., Guo, D., Guo, L.- D., Härdtle, W., He, J.- S., Hector, A.,
Kröber, W., Kühn, P., Lang, A., Nadrowski, K., Pei, K., Scherer- Lorenzen, M.,
Shi, X., Scholten, T., Schuldt, A., Trogisch, S., von Oheimb, G., Welk, E., Wirth,
C., **Wu, Y.- T.**, Yang, X., **Zeng, X.**, Zhang, S., Zhou, H., Ma, K., Schmid, B.
(2011):
Community assembly during secondary forest succession in a Chinese
subtropical forest
Ecol. Monogr. **81** (1), 25 - 41
Impact Factor: 4.862
46. **Bräuer, K., Kämpf, H., Koch, U., Strauch, G.** (2011):
Monthly monitoring of gas and isotope compositions in the free gas phase at
degassing locations close to the Nový Kostel focal zone in the western Eger Rift,
Czech Republic
Chem. Geology **290** (3-4), 163 - 176
Impact Factor: 3.722
47. **Brüggemann, L., Wennrich, R.** (2011):
Application of a special in- house validation procedure for environmental-
analytical schemes including a comparison of functions for modelling the
repeatability standard deviation
Accredit. Qual. Assur. **19** (2), 89 - 97
Impact Factor: 0.791

48. **Buanuam, J., Wennrich, R.** (2011):
Study of leachability and fractional alteration of arsenic and co- existing elements in stabilized contaminated sludge using a flow- through extraction system
J. Environ. Monit. **13** (6), 1672 - 1677
Impact Factor: 1.523
49. **Burgert, S., Schäfer, R., Foit, K., Kattwinkel, M., Metzeling, M., MacEwand, R., Kefford, B.J., Liess, M.** (2011):
Modelling aquatic exposure and effects of insecticides - application to South- Eastern Australia
Sci. Total Environ. **409** (14), 2807 - 2814
Impact Factor: 3.19
50. **Busch, W., Duis, K., Fenske, M., Maack, G., Legler, J., Padilla, S., Strähle, U., Witters, H., Scholz, S.** (2011):
The zebrafish embryo model in toxicology and teratology, September 2– 3, 2010, Karlsruhe, Germany
Reprod. Toxicol. **31** (4), 585 - 588
Impact Factor: 3.137
51. **Bässler, C., Stadler, J., Müller, J., Förster, B., Göttlein, A., Brandl, R.** (2011):
LiDAR as a rapid tool to predict forest habitat types in Natura 2000 networks
Biodivers. Conserv. **20** (3), 465 - 481
Impact Factor: 2.146
52. **Caicedo, P., Schröder, A., Ulrich, N., Schröter, U., Paschke, A., Schüürmann, G., Ahumada, I., Richter, P.** (2011):
Determination of lindane leachability in soil- biosolid systems and its bioavailability in wheat plants
Chemosphere **84** (4), 397 - 402
Impact Factor: 3.155
53. **Calabrese, J.M., Brunner, J.L., Ostfeld, R.S.** (2011):
Partitioning the aggregation of parasites on hosts into intrinsic and extrinsic components via an extended poisson- gamma mixture model
PLoS ONE **6** (12), e29215
Impact Factor: 4.411
54. **Carafa, R., Faggiano, L., Real, M., Munné, A., Ginebreda, A., Guasch, H., Flo, M., Tirapu, L., von der Ohe, P.C.** (2011):
Water toxicity assessment and spatial pollution patterns identification in a Mediterranean River Basin District. Tools for water management and risk analysis
Sci. Total Environ. **409** (20), 4269 - 4279
Impact Factor: 3.19

55. **Carminati, A., Schneider, C.L., Moradi, A.B., Zarebanadkouki, M., Vetterlein, D., Vogel, H.-J., Hildebrandt, A., Weller, U.,** Schüler, L., **Oswald, S.E.** (2011):
How the rhizosphere may favor water availability to roots
Vadose Zone J. **10** (3), 988 - 998
Impact Factor: 2.133
56. **Casas Ferreira, A.M., Möder, M.,** Fernandez Lespada, M.E. (2011):
Stir bar sorptive extraction of parabens, triclosan and methyl triclosan from soil, sediment and sludge with *in situ* derivatization and determination by gas chromatography- mass spectrometry
J. Chromatogr. A **1218** (25), 3837 - 3844
Impact Factor: 4.194
57. **Casas Ferreira, A.M., Möder, M.,** Fernández Laespada, M.E. (2011):
GC- MS determination of parabens, triclosan and methyl triclosan in water by *in situ* derivatisation and stir- bar sorptive extraction
Anal. Bioanal. Chem. **399** (2), 945 - 953
Impact Factor: 3.841
58. Castro, J., Allen, C.D., Molina- Morales, M., **Marañón- Jiménez, S.** (2011):
Salvage logging versus the use of burnt wood as a nurse object to promote post-fire tree seedling establishment
Restor.Ecol. **19** (4), 537 - 544
Impact Factor: 1.927
59. **Centler, F., Fetzer, I., Thullner, M.** (2011):
Modeling population patterns of chemotactic bacteria in homogenous porous media
J. Theor. Biol. **287** , 82 - 91
Impact Factor: 2.371
60. Chen, Y., **Droge, S.T.J.,** Hermens, J.L.M. (2011):
Use of SPME to determine sorption of cationic surfactants to humic acid - effect of pH and inorganic cation
Abstr. Paper Am. Chem. Soc. **242** , 280- ENVR
Impact Factor: -
61. Chimuka, L., **van Pinxteren, M.,** Billing, J., Yilmaz, E., Jönsson, J.A. (2011):
Selective extraction of triazine herbicides based on a combination of membrane assisted solvent extraction and molecularly imprinted solid phase extraction
J. Chromatogr. A **1218** (5), 647 - 653
Impact Factor: 4.194

62. **Christ, S., Wubet, T., Theuerl, S.,** Herold, N., **Buscot, F.** (2011):
Fungal communities in bulk soil and stone compartments of different forest and soil types as revealed by a barcoding ITS rDNA and a functional laccase encoding gene marker
Soil Biol. Biochem. **43** (6), 1292 - 1299
Impact Factor: 3.242
63. **Chrzanowski, L.,** Owsianiak, M., Szulc, A., Marecik, R., Piotrowska- cyplik, A., Olejnik- Schmidt, A.K., Staniewski, J., Lisiecki, P., Ciesielczyk, F., Jesinowski, T., **Heipieper, H.- J.** (2011):
Interactions between rhamnolipid biosurfactants and toxic chlorinated phenols enhance biodegradation of a model hydrocarbon- rich effluent
International Biodeterioration & Biodegradation **65** (4), 605 - 611
Impact Factor: 1.75
64. Cialfi, S., Uccelletti, D., Carducci, A., Wésolowski- Louvel, M., Mancini, P., **Heipieper, H.- J.,** Saliola, M. (2011):
KlHsl1 is a component of glycerol response pathways in the milk yeast *Kluyveromyces lactis*
Microbiology- SGM **157** (5), 1509 - 1518
Impact Factor: 2.957
65. Ciudad, G., Reyes, I., Azócar, L., Briones, R., Jorquera, M., **Wick, L.Y.,** Navia, R. (2011):
Innovative approaches for effective selection of lipase- producing microorganisms as whole cell catalysts for biodiesel production
New Biotech. **28** (4), 375 - 381
Impact Factor: 2
66. Ciudad, G., Reyes, I., Jorquera, M.A., Azócar, L., **Wick, L.Y.,** Navia, R. (2011):
Novel three- phase bioreactor concept for fatty acid alkyl ester production using *R. oryzae* as whole cell catalyst
World J. Microbiol. Biotechnol. **27** (11), 2505 - 2512
Impact Factor: 1.214
67. Compton, T.J., **Kraan, C.,** Rijkenberg, M.J.A., Troost, T.A., Rogers, D.I., Leyrer, J., Pearson, G., Piersma, T. (2011):
Sampling bivalves on tidal flats: possibility of missing rare species, versus smoothing of environmental variation
Mar.Ecol.- Prog.Ser. **440** , 285 - 288
Impact Factor: 2.483

68. Connolly, J., Cadotte, M.W., Brophy, C., Dooley, A., Finn, J., Kirwan, L., **Roscher, C.**, Weigelt, A. (2011):
Phylogenetically diverse grasslands are associated with pairwise interspecific processes that increase biomass
Ecology **92** (7), 1385 - 1392
Impact Factor: 5.073
69. Cowie, A.L., Penman, T.D., Gorissen, L., Winslow, M.D., Lehmann, J., Tyrrell, T.D., Twomlow, S., Wilkes, A., Lal, R., Jones, J.W., **Paulsch, A.**, Kellner, K., Akhtar-Schuster, M. (2011):
Towards sustainable land management in the drylands: Scientific connections in monitoring and assessing dryland degradation, climate change and biodiversity
Land Degrad. Dev. **22** (2), 248 - 260
Impact Factor: 1.25
70. **Cuntz, M.** (2011):
Carbon cycle: a dent in carbon's gold standard
Nature **477** (7366), 547 - 548
Impact Factor: 36.101
71. Cyplik, P., **Schmidt, M.**, Szulc, A., Marecik, R., Lisiecki, P., **Heipieper, H.- J.**, Owsianiak, M., **Vainshtein, M.**, **Chrzanowski, L.** (2011):
Relative quantitative PCR to assess bacterial community dynamics during degradation of diesel and biodiesel fuels under various aeration conditions
Bioresour. Technol. **102** (6), 4347 - 4352
Impact Factor: 4.365
72. **David, T., von Tümpling, W.**, Krebs, P., **Borchardt, D.** (2011):
Element patterns for particulate matter in stormwater effluent
Water Sci. Technol. **63** (12), 3013 - 3019
Impact Factor: 1.056
73. **De Biase, C., Reger, D., Schmidt, A., Jechalke, S., Reiche, N., Martínez-Lavanchy, P.M., Rosell, M., van Afferden, M., Maier, U., Oswald, S.E., Thullner, M.** (2011):
Treatment of volatile organic contaminants in a vertical flow filter: relevance of different removal processes
Ecol.Eng. **37** (9), 1292 - 1303
Impact Factor: 2.203
74. de Deckere, E., De Cooman, W., Leloup, V., Meire, P., Schmitt, C., **von der Ohe, P.C.** (2011):
Development of sediment quality guidelines for freshwater ecosystems
J. Soils Sediments **11** (3), 504 - 517
Impact Factor: 2.574

75. **de Rooij, G.H.** (2011):
Averaged water potentials in soil water and groundwater, and their connection to menisci in soil pores, field- scale flow phenomena, and simple groundwater flows
Hydrol. Earth Syst. Sci. **15** (5), 1601 - 1614
Impact Factor: 2.463
76. Dengler, J., Ewald, J., **Kühn, I.**, Peet, R.K. (2011):
Ecoinformatics and global change – an overdue liaison
J.Veg.Sci. **22** (4), 577 - 581
Impact Factor: 2.457
77. Dietze, M., **Dietrich, P.** (2011):
A field comparison of BTEX mass flow rates based on integral pumping tests and point scale measurements
J.Contam.Hydrol. **122** (1-4), 1 - 25
Impact Factor: 2.124
78. Dimadama, Z., **Zikos, D.** (2010):
Social networks as trojan horses to challenge the dominance of existing hierarchies: knowledge and learning in the water governance of Volos, Greece
Water Resour. Manag. **24** (14), 3853 - 3870
Impact Factor: 1.35
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Permoserstraße 15
04318 Leipzig
Telefon 0341-235-0

Bearbeitung

Erika Schnauková

Michael Garbe

Heike Reichelt