

Veröffentlichungen

des Helmholtz-Zentrums für Umweltforschung GmbH – UFZ

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.

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Artikel in ISI gelisteten Zeitschriften

1. Aburi, R., **Kalkhof, S.**, Oehme, R., Kiontke, A., Birkemeyer, C. (2012):
Artifacts in amine analysis from anodic oxidation of organic solvents upon electrospray ionization for mass spectrometry
Eur. J. Mass Spectrom. **18** (3), 301 - 312
Impact Factor: 1,207

2. **Akter, S.** (2012):
The role of microinsurance as a safety net against environmental risks in Bangladesh
J. Env. Dev. **21** (2), 263 - 280

3. **Akter, S.**, Bennett, J. (2012):
Preference uncertainty in stated preference studies: facts and artefacts
Appl. Econ. **45** (15), 2107 - 2115
Impact Factor: ,459

4. **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

5. 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

6. 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

7. **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
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Impact Factor: 1,059

8. Alonso, C., **Musat, N.**, Kuypers, M.M.M., Amann, R. (2012):
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Syst. Appl. Microbiol. **35** (8), 541 - 548
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Impact Factor: 1,596
10. **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
11. **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
12. 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
13. 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
14. 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.**, Loft, 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
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15. 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
16. 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
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17. **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
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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
19. **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
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Strong paramagnetism of gold nanoparticles deposited on a *Sulfolobus acidocaldarius* S layer
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Impact Factor: 7,37
21. 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

22. **Bastida, F., Algora, 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
23. Batscheider, A., Zakrzewska, S., Heinrich, J., Teuner, C.M., Menn, P., Bauer, C.P., Hoffmann, U., Koletzko, S., **Lehmann, I.**, Herbarth, O., von Berg, A., Berdel, D., Krämer, U., Schaaf, B., Wichmann, H.E., Leidl, R. (2012):
Exposure to second-hand smoke and direct healthcare costs in children – results from two German birth cohorts, GINIplus and LISAplus
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24. **Bauer, M., Gräbsch, C.**, Gminski, R., Ollmann, A.I.H., Borm, P., Dietz, A., **Herbarth, O., Wichmann, G.** (2012):
Cement-related particles interact with proinflammatory IL-8 chemokine from human primary oropharyngeal mucosa cells and human epithelial lung cancer cell line A549
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Genetic association between obstructive bronchitis and enzymes of oxidative stress
Metab.-Clin. Exp. **61** (12), 1771 - 1779
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26. 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
27. 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
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Membrane vesicle formation as multiple stress response mechanism enhances cell surface hydrophobicity and biofilm formation of *Pseudomonas putida* DOT-T1E
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30. 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
31. **Beck, S.** (2012):
The challenges of building cosmopolitan climate expertise: the case of Germany
WIREs Climate Change **3** (1), 1 - 17
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32. **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
33. **Beck, S.** (2012):
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Nat. Cult. **7** (2), 151 - 173
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34. **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

35. **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
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36. **Beketov, M.A., Liess, M.** (2012):
Ecotoxicology and macroecology - time for integration
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37. 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
38. **Bezama, A., Valeria, H., Correa, M., Szarka, N.** (2012):
Evaluation of the environmental impacts of a Cleaner Production Agreement by frozen fish facilities in the Biobío Region, Chile
J. Clean Prod. **26** , 95 - 100
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39. 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*
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40. 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):
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41. **Blaschke, U., Eismann, K., Böhme, A., Paschke, A., Schüürmann, G.** (2012):
Structural alerts for the excess toxicity of acrylates, methacrylates, and propiolates
derived from their short-term and long-term bacterial toxicity
Chem. Res. Toxicol. **25** (1), 170 - 180
Impact Factor: 3,779
42. 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
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Mycologia **104** (1), 148 - 156
Impact Factor: 2,031
43. **Bleicher, A.** (2012):
Entscheiden trotz Nichtwissen. Das Beispiel der Sanierung kontaminiert Flächen
[Decision making in spite of ignorance. The revitalization of contaminated areas]
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Impact Factor: ,484
44. **Bleicher, A.** (2012):
Book review: "Douglas Clyde Wilson The Paradoxes of Transparency: Science and the
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University Press, 2009. 304 pp. ISBN 978-90-8964-060-4, €39.50 (pbk)"
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Impact Factor: 1,866
45. **Bleyl, S., Kopinke, F.-D., Mackenzie, K.** (2012):
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46. Bloem, E., de Gee, M., **de Rooij, G.H.** (2012):
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48. **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
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52. **Bönisch, U.**, **Böhme, A.**, **Kohajda, T.**, **Mögel, I.**, **Schütze, N.**, **von Bergen, M.**, Simon, J.C., **Lehmann, I.**, **Polte, T.** (2012): Volatile organic compounds enhance allergic airway inflammation in an experimental mouse model
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53. **Borsdorf, H., Mayer, T.** (2012):
Temperature dependence of ion mobility signals of halogenated compounds
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55. **Böttcher, N., Taron, J., Kolditz, O.**, Park, C.-H., Liedl, R. (2012):
Evaluation of thermal equations of state for CO₂ in numerical simulations
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56. **Boyacioglu, H.**, Vetter, T., Krysanova, V., **Rode, M.** (2012):
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57. **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
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58. **Brabender, M.**, Kiss, A.K., Domonell, A., Nitsche, F., Arndt, H. (2012):
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59. **Braekevelt, 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
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60. Brauchler, R., Doetsch, J., **Dietrich, P.**, Sauter, M. (2012):
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61. **Breulmann, M., Schulz, E., Weißhuhn, K.**, Buscot, F. (2012):
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63. Brunner, F., **Radu, F.A.**, Bause, M., Knabner, P. (2012):
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64. Buchholz, F., Lerchner, J., Mariana, F., **Kuhlicke, U.**, Neu, T.R., Harms, H., Maskow,
T. (2012):
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65. Buchner, J.S., **Wollschläger, U.**, Roth, K. (2012):
Inverting surface GPR data using FDTD simulation and automatic detection of reflections
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66. Buehlig, J.U., Averbeck, M., Echtermeyer, F., **Polte, T.**, Simon, J.C. (2012):
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69. Burkhard, B., de Groot, R., Costanza, R., **Seppelt, R.**, Jørgensen, S.E., Potschin, M. (2012):
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70. Burton, G.A., de Zwart, D., Diamond, J., Dyer, S.D., Kapo, K.E., **Liess, M.**, Posthuma, L. (2012):
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Transcriptional responses of zebrafish embryos exposed to potential sonic hedgehog pathway interfering compounds deviate from expression profiles of cyclopamine
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72. Buytaert, W., **Friesen, J.**, Liebe, J., Ludwig, R. (2012):
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73. **Calabrese, J.M.** (2012):
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Permoserstraße 15
04318 Leipzig
Telefon 0341-235-0

Bearbeitung

Erika Schnauková

Michael Garbe

Heike Reichelt