

Veröffentlichungen

des Helmholtz-Zentrums für Umweltforschung GmbH – UFZ

Forschungsbereich Erde und Umwelt

Forschen für die Umwelt

Vorbemerkung

Das vorliegende Veröffentlichungsverzeichnis umfasst die im Jahre 2016 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 15. Februar 2017.

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 und SCOPUS gelisteten Zeitschriften

1. **Adrian, L.**, Marco-Urrea, E. (2016):
Isotopes in geobiochemistry: tracing metabolic pathways in microorganisms of environmental relevance with stable isotopes
Curr. Opin. Biotechnol. **41**, 19 - 25
2. Aguirre-Gutiérrez, J., Kissling, W.D., Carvalheiro, L.G., WallisDeVries, M.F., **Franzén, M.**, Biesmeijer, J.C. (2016):
Functional traits help to explain half-century long shifts in pollinator distributions
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3. Ahmadi, H., Bolinius, D.J., **Jahnke, A.**, MacLeod, M. (2016):
Mass transfer of hydrophobic organic chemicals between silicone sheets and through plant leaves and low-density polyethylene
Chemosphere **164**, 683 - 690
4. Aigner, A., Buesen, R., Gant, C., Gooderham, N., Greim, H., **Hackermüller, J.**, Hubesch, B., Laffont, M., Marczylo, E., Meister, G., Petrick, J.S., Rasoulpour, R.J., Sauer, U.G., Schmidt, K., Seitz, H., Slack, F., Sukata, T., van der Vies, S.M., Verhaert, J., Witwer, K.W., Poole, A. (2016):
Advancing the use of noncoding RNA in regulatory toxicology: Report of an ECETOC workshop
Regul. Toxicol. Pharmacol. **82**, 127 - 139
5. **Albert, C.**, **Bonn, A.**, Burkhard, B., Daube, S., Dietrich, K., Engels, B., Frommer, J., Götzl, M., Grêt-Regamey, A., Job-Hoben, B., Koellner, T., Marzelli, S., Moning, C., Müller, F., Rabe, S.-E., **Ring, I.**, Schwaiger, E., Schweppe-Kraft, B., Wüstemann, H. (2016):
Towards a national set of ecosystem service indicators: Insights from Germany
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6. **Albert, C.**, Galler, C., Hermes, J., Neuendorf, F., von Haaren, C., Lovett, A. (2016):
Applying ecosystem services indicators in landscape planning and management: The ES-in-Planning framework
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7. Alonso, S., **Strachauer, U.**, Radszuweit, M., Bär, M., Hauser, M.J.B. (2016):
Oscillations and uniaxial mechanochemical waves in a model of an active poroelastic medium: Application to deformation patterns in protoplasmic droplets of *Physarum polycephalum*
Physica D **318–319**, 58 - 69

8. Altenkirch, N., Zlatanovic, S., Woodward, K.B., **Trauth, N.**, Mutz, M., Mokenthin, F. (2016): “Untangling hyporheic residence time distributions and whole stream” “Metabolism using a hydrological process model”
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9. Alvarez-Zaldívar, P., **Centler, F.**, Maier, U., Thullner, M., Imfeld, G. (2016): Biogeochemical modelling of *in situ* biodegradation and stable isotope fractionation of intermediate chloroethenes in a horizontal subsurface flow wetland
Ecol. Eng. **90**, 170 - 179
10. Ampoorter, E., Selvi, F., **Auge, H.**, Baeten, L., Berger, S., Carrari, E., Coppi, A., Fotelli, M., Radoglou, K., Setiawan, N.N., Vanhellemont, M., Verheyen, K. (2016): Driving mechanisms of overstorey–understorey diversity relationships in European forests
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11. Andresen, E., Kappel, S., **Stärk, H.-J.**, Riegger, U., Borovec, J., **Mattusch, J.**, Heinz, A., Schmelzer, C.E.H., Matoušková, Š., Dickinson, B., Küpper, H. (2016): Cadmium toxicity investigated at the physiological and biophysical levels under environmentally relevant conditions using the aquatic model plant *Ceratophyllum demersum*
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12. Ankley, G., **Escher, B.I.**, Hartung, T., Shah, I. (2016): Pathway-based approaches for environmental monitoring and risk assessment
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13. Armstrong, R.T., McClure, J.E., Berrill, M.A., Rücker, M., **Schlüter, S.**, Berg, S. (2016): Beyond Darcy's law: The role of phase topology and ganglion dynamics for two-fluid flow
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15. Arnstadt, T., **Hoppe, B.**, Kahl, T., Kellner, H., Krüger, D., Bässler, C., Bauhus, J., Hofrichter, M. (2016): Patterns of laccase and peroxidases in coarse woody debris of *Fagus sylvatica*, *Picea abies* and *Pinus sylvestris* and their relation to different wood parameters
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Dynamics of fungal community composition, decomposition and resulting deadwood properties in logs of *Fagus sylvatica*, *Picea abies* and *Pinus sylvestris*
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Synthesis of two new arsenolipids and their identification in fish
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18. **Arroyo-Abad, U.**, Pfeifer, M., **Mothes, S.**, **Stärk, H.-J.**, Piechotta, C., **Mattusch, J.**, **Reemtsma, T.** (2016):
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19. Arukwe, A., Carteny, C.C., **Möder, M.**, Bonini, A., Maubach, M.A., Eggen, T. (2016):
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Environ. Res. **148**, 63 - 71
20. Arukwe, A., Myburgh, J., Langberg, H.A., Adeogun, A.O., Braa, I.G., **Moeder, M.**, Schlenk, D., Crago, J.P., Regoli, F., Botha, C. (2016):
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21. **Asadi, A.**, **Dietrich, P.**, **Paasche, H.** (2016):
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30. Baró, F., Palomo, I., Zulian, G., Vizcaino, P., **Haase, D.**, Gómez-Bagethun, E. (2016): Mapping ecosystem service capacity, flow and demand for landscape and urban planning: A case study in the Barcelona metropolitan region
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Targeted selection of brownfields from portfolios for sustainable regeneration: User experiences from five cases testing the Timbre Brownfield Prioritization Tool
J. Environ. Manage. **184** (Part 1), 94 - 107
32. Bastida, F., **Jehmlich, N.**, Lima, K., Morris, B.E.L., **Richnow, H.H.**, Hernández, T., **von Bergen, M.**, García, C. (2016):
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J. Proteomics **135** , 162 - 169
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Social movements and urban energy policy: Assessing contexts, agency and outcomes of remunicipalisation processes in Hamburg and Berlin
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37. **Beckmann, M.**, **Bruelheide, H.**, Erfmeier, A. (2016):
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38. Bednorz, D., Tauchnitz, N., Christen, O., **Rupp, H.**, **Meissner, R.** (2016):
Evaluating the transferability of measurements from simple constructed non weighable gravitation lysimeters to predict the water regime on field scale—a case study
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41. Bernardo, H.L., Albrecht, M.A., **Knight, T.M.** (2016):
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42. **Berthold, T.**, **Centler, F.**, **Hübschmann, T.**, **Remer, R.**, **Thullner, M.**, **Harms, H.**,
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53. **Bleicher, A., Gross, M.** (2016):
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67. **Breulmann, M., Boettger, T., Buscot, F., Gruendling, R., Schulz, E.** (2016):
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75. **Bumberger, J.**, Peisker, K., Reiche, N., Radny, D., **Dietrich, P.** (2016):
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