

Thilo Hofmann

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183
papers

8,438
citations

47
h-index

87
g-index

195
ext. papers

10,145
ext. citations

7
avg, IF

6.66
L-index

#	Paper	IF	Citations
183	Rapid analysis of gunshot residues with single-particle inductively coupled plasma time-of-flight mass spectrometry.. <i>Forensic Science International</i> , 2022 , 332, 111202	2.6	2
182	Towards Standardization for Determining Dissolution Kinetics of Nanomaterials in Natural Aquatic Environments: Continuous Flow Dissolution of Ag Nanoparticles.. <i>Nanomaterials</i> , 2022 , 12,	5.4	2
181	Stormwater management in urban areas using dry gallery infiltration systems.. <i>Science of the Total Environment</i> , 2022 , 823, 153705	10.2	0
180	Parameter estimation and uncertainty analysis in hydrological modeling. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022 , 9,	5.7	2
179	Pharmaceutical pollution of the world's rivers.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	37
178	Sorption and Mobility of Charged Organic Compounds: How to Confront and Overcome Limitations in Their Assessment.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	4
177	Exploring Nanogeochemical Environments: New Insights from Single Particle ICP-TOFMS and AF4-ICPMS.. <i>ACS Earth and Space Chemistry</i> , 2022 , 6, 943-952	3.2	1
176	Mikro- und Nanoplastik haben nur einen unwesentlichen Einfluss auf den vertikalen Stofftransport organischer Schadstoffe in landwirtschaftlichen Böden. <i>Vom Wasser</i> , 2022 , 120, 31-33		
175	Freshwater suspended particulate matterKey components and processes in floc formation and dynamics. <i>Water Research</i> , 2022 , 220, 118655	12.5	0
174	Effects of heavy elements (Pb, Cu, Zn) on algal food uptake by (Foraminifera). <i>Heliyon</i> , 2021 , 7, e08427	3.6	1
173	Synergetic Tl and As retention in secondary minerals: An example of extreme arsenic and thallium pollution. <i>Applied Geochemistry</i> , 2021 , 135, 105114	3.5	3
172	Microplastic extraction protocols can impact the polymer structure. <i>Microplastics and Nanoplastics</i> , 2021 , 1,		6
171	Genomic insights into diverse bacterial taxa that degrade extracellular DNA in marine sediments. <i>Nature Microbiology</i> , 2021 , 6, 885-898	26.6	1
170	Methanol-based extraction protocol for insoluble and moderately water-soluble nanoparticles in plants to enable characterization by single particle ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 299-314	4.4	5
169	Sulfidated nano-scale zerovalent iron is able to effectively reduce in situ hexavalent chromium in a contaminated aquifer. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124665	12.8	15
168	Foreword to the research front on Plastics in the Environment□ <i>Environmental Chemistry</i> , 2021 , 18, 91	3.2	
167	Environmentally persistent free radicals are ubiquitous in wildfire charcoals and remain stable for years. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	8

166	Microplastics and nanoplastics barely enhance contaminant mobility in agricultural soils. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	7
165	Wood ash amended biochar for the removal of lead, copper, zinc and cadmium from aqueous solution. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101961	7	5
164	Additives and polymer composition influence the interaction of microplastics with xenobiotics. <i>Environmental Chemistry</i> , 2021 , 18, 101	3.2	2
163	A critical evaluation of short columns for estimating the attachment efficiency of engineered nanomaterials in natural soils. <i>Environmental Science: Nano</i> , 2021 , 8, 1801-1814	7.1	0
162	Anthropogenic gadolinium in freshwater and drinking water systems. <i>Water Research</i> , 2020 , 182, 115966	2.5	14
161	A Large-Scale 3D Study on Transport of Humic Acid-Coated Goethite Nanoparticles for Aquifer Remediation. <i>Water (Switzerland)</i> , 2020 , 12, 1207	3	14
160	Combined Chemisorption and Complexation Generate siRNA Nanocarriers with Biophysics Optimized for Efficient Gene Knockdown and Air-Blood Barrier Crossing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30095-30111	9.5	3
159	Quantification and Characterization of Nanoparticulate Zinc in an Urban Watershed. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	11
158	Deep Learning Neural Network Approach for Predicting the Sorption of Ionizable and Polar Organic Pollutants to a Wide Range of Carbonaceous Materials. <i>Environmental Science & Technology</i> , 2020 , 54, 4583-4591	10.3	48
157	Intra-laboratory assessment of a method for the detection of TiO ₂ nanoparticles present in sunscreens based on multi-detector asymmetrical flow field-flow fractionation. <i>NanoImpact</i> , 2020 , 19, 100233	5.6	4
156	Strategies for determining heteroaggregation attachment efficiencies of engineered nanoparticles in aquatic environments. <i>Environmental Science: Nano</i> , 2020 , 7, 351-367	7.1	35
155	Carbonates and cherts as archives of seawater chemistry and habitability on a carbonate platform 3.35Ga ago: Insights from Sm/Nd dating and trace element analysis from the Strelley Pool Formation, Western Australia. <i>Precambrian Research</i> , 2020 , 344, 105742	3.9	4
154	The molecular interactions of organic compounds with tire crumb materials differ substantially from those with other microplastics. <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 121-130	4.3	4
153	Groundwater Chemistry Has a Greater Influence on the Mobility of Nanoparticles Used for Remediation than the Chemical Heterogeneity of Aquifer Media. <i>Environmental Science & Technology</i> , 2020 , 54, 1250-1257	10.3	4
152	Technology readiness and overcoming barriers to sustainably implement nanotechnology-enabled plant agriculture. <i>Nature Food</i> , 2020 , 1, 416-425	14.4	90
151	Comment on Predicting Aqueous Adsorption of Organic Compounds onto Biochars, Carbon Nanotubes, Granular Activated Carbons, And Resins with Machine Learning. <i>Environmental Science & Technology</i> , 2020 , 54, 11636-11637	10.3	1
150	The importance of aromaticity to describe the interactions of organic matter with carbonaceous materials depends on molecular weight and sorbent geometry. <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 1888-1897	4.3	6
149	Key Physicochemical Properties Dictating Gastrointestinal Bioaccessibility of Microplastics-Associated Organic Xenobiotics: Insights from a Deep Learning Approach. <i>Environmental Science & Technology</i> , 2020 , 54, 12051-12062	10.3	13

148	Accurate quantification of TiO nanoparticles in commercial sunscreens using standard materials and orthogonal particle sizing methods for verification. <i>Talanta</i> , 2020 , 215, 120921	6.2	15
147	NO and natural organic matter affect both soot aggregation behavior and sorption of S-metolachlor. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 1729-1735	4.3	3
146	Chemosymbiotic bivalves contribute to the nitrogen budget of seagrass ecosystems. <i>ISME Journal</i> , 2019 , 13, 3131-3134	11.9	16
145	Emerging contaminants in sediment core from the Iron Gate I Reservoir on the Danube River. <i>Science of the Total Environment</i> , 2019 , 662, 77-87	10.2	19
144	Complex-conductivity monitoring to delineate aquifer pore clogging during nanoparticles injection. <i>Geophysical Journal International</i> , 2019 , 218, 1838-1852	2.6	12
143	The composition of bacterial communities associated with plastic biofilms differs between different polymers and stages of biofilm succession. <i>PLoS ONE</i> , 2019 , 14, e0217165	3.7	97
142	Mineralogy and Weathering of Realgar-Rich Tailings At a Former As-Sb-Cr Mine At Lojane, North Macedonia. <i>Canadian Mineralogist</i> , 2019 , 1-21	0.7	2
141	Legal and practical challenges in classifying nanomaterials according to regulatory definitions. <i>Nature Nanotechnology</i> , 2019 , 14, 208-216	28.7	72
140	In situ remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. <i>Environmental Science: Nano</i> , 2019 , 6, 1283-1302	7.1	38
139	Persistence of copper-based nanoparticle-containing foliar sprays in <i>Lactuca sativa</i> (lettuce) characterized by spICP-MS. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	13
138	Biochar particle aggregation in soil pore water: the influence of ionic strength and interactions with pyrene. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 1722-1728	4.3	4
137	The leaching of phthalates from PVC can be determined with an infinite sink approach. <i>MethodsX</i> , 2019 , 6, 2729-2734	1.9	6
136	Synthesis and biological evaluation of biotin-conjugated anticancer thiosemicarbazones and their iron(III) and copper(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2019 , 190, 85-97	4.2	21
135	Polyethylene microplastics influence the transport of organic contaminants in soil. <i>Science of the Total Environment</i> , 2019 , 657, 242-247	10.2	113
134	Sorption of organic substances to tire wear materials: Similarities and differences with other types of microplastic. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 113, 392-401	14.6	40
133	Sorption of organic compounds by aged polystyrene microplastic particles. <i>Environmental Pollution</i> , 2018 , 236, 218-225	9.3	223
132	Environmental fate of nanopesticides: durability, sorption and photodegradation of nanoformulated clothianidin. <i>Environmental Science: Nano</i> , 2018 , 5, 882-889	7.1	49
131	Scientific rationale for the development of an OECD test guideline on engineered nanomaterial stability. <i>NanoImpact</i> , 2018 , 11, 42-50	5.6	22

130	Tire wear particles in the aquatic environment - A review on generation, analysis, occurrence, fate and effects. <i>Water Research</i> , 2018 , 139, 83-100	12.5	248
129	Data on sorption of organic compounds by aged polystyrene microplastic particles. <i>Data in Brief</i> , 2018 , 18, 474-479	1.2	19
128	Optimising the transport properties and reactivity of microbially-synthesised magnetite for in situ remediation. <i>Scientific Reports</i> , 2018 , 8, 4246	4.9	7
127	Development of a versatile analytical protocol for the comprehensive determination of the elemental composition of smartphone compartments on the example of printed circuit boards. <i>Analytical Methods</i> , 2018 , 10, 3864-3871	3.2	10
126	Where is the nano? Analytical approaches for the detection and quantification of TiO ₂ engineered nanoparticles in surface waters. <i>Environmental Science: Nano</i> , 2018 , 5, 313-326	7.1	77
125	Effect of field site hydrogeochemical conditions on the corrosion of milled zerovalent iron particles and their dechlorination efficiency. <i>Science of the Total Environment</i> , 2018 , 618, 1619-1627	10.2	13
124	Influence of compost and biochar on microbial communities and the sorption/degradation of PAHs and NSO-substituted PAHs in contaminated soils. <i>Journal of Hazardous Materials</i> , 2018 , 345, 107-113	12.8	54
123	Environmental transformation of natural and engineered carbon nanoparticles and implications for the fate of organic contaminants. <i>Environmental Science: Nano</i> , 2018 , 5, 2500-2518	7.1	34
122	Sorption to soil, biochar and compost: is prediction to multicomponent mixtures possible based on single sorbent measurements?. <i>PeerJ</i> , 2018 , 6, e4996	3.1	9
121	Single-particle multi-element fingerprinting (spMEF) using inductively-coupled plasma time-of-flight mass spectrometry (ICP-TOFMS) to identify engineered nanoparticles against the elevated natural background in soils. <i>Environmental Science: Nano</i> , 2017 , 4, 307-314	7.1	96
120	Microplastic Exposure Assessment in Aquatic Environments: Learning from Similarities and Differences to Engineered Nanoparticles. <i>Environmental Science & Technology</i> , 2017 , 51, 2499-2507	10.3	103
119	Effect of ageing on the properties and polycyclic aromatic hydrocarbon composition of biochar. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 768-774	4.3	20
118	TiO ₂ nanomaterial detection in calcium rich matrices by spICPMS. A matter of resolution and treatment. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1400-1411	3.7	27
117	Bioavailability and toxicity of pyrene in soils upon biochar and compost addition. <i>Science of the Total Environment</i> , 2017 , 595, 132-140	10.2	30
116	Interactions between aromatic hydrocarbons and functionalized C ₆₀ fullerenes – Insights from experimental data and molecular modelling. <i>Environmental Science: Nano</i> , 2017 , 4, 1045-1053	7.1	15
115	Biochar total surface area and total pore volume determined by N and CO physisorption are strongly influenced by degassing temperature. <i>Science of the Total Environment</i> , 2017 , 580, 770-775	10.2	74
114	Sensitivity towards the GRP78 inhibitor KP1339/IT-139 is characterized by apoptosis induction via caspase 8 upon disruption of ER homeostasis. <i>Cancer Letters</i> , 2017 , 404, 79-88	9.9	24
113	Sorption of ionizable and ionic organic compounds to biochar, activated carbon and other carbonaceous materials. <i>Water Research</i> , 2017 , 124, 673-692	12.5	211

112	Cytotoxicity of Biochar: A Workplace Safety Concern?. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 362-366	11	37
111	Impact of Sodium Humate Coating on Collector Surfaces on Deposition of Polymer-Coated Nanoiron Particles. <i>Environmental Science & Technology</i> , 2017 , 51, 9202-9209	10.3	13
110	Physicochemical characterization of titanium dioxide pigments using various techniques for size determination and asymmetric flow field flow fractionation hyphenated with inductively coupled plasma mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 6679-91	4.4	26
109	Impacts of (Nano)formulations on the Fate of an Insecticide in Soil and Consequences for Environmental Exposure Assessment. <i>Environmental Science & Technology</i> , 2016 , 50, 10960-10967	10.3	54
108	Anthropogenic gadolinium as a transient tracer for investigating river bank filtration. <i>Science of the Total Environment</i> , 2016 , 571, 1432-40	10.2	16
107	Quantification of river water infiltration in shallow aquifers using acesulfame and anthropogenic gadolinium. <i>Hydrological Processes</i> , 2016 , 30, 1742-1756	3.3	10
106	Vulnerability of drinking water supplies to engineered nanoparticles. <i>Water Research</i> , 2016 , 96, 255-79	12.5	63
105	Silver and gold nanoparticle separation using asymmetrical flow-field flow fractionation: Influence of run conditions and of particle and membrane charges. <i>Journal of Chromatography A</i> , 2016 , 1440, 150-159	4.5	36
104	Predicting the Sorption of Aromatic Acids to Noncarbonized and Carbonized Sorbents. <i>Environmental Science & Technology</i> , 2016 , 50, 3641-8	10.3	34
103	Agar agar-stabilized milled zerovalent iron particles for in situ groundwater remediation. <i>Science of the Total Environment</i> , 2016 , 563-564, 713-23	10.2	24
102	Pyrolysis of waste materials: Characterization and prediction of sorption potential across a wide range of mineral contents and pyrolysis temperatures. <i>Bioresource Technology</i> , 2016 , 214, 225-233	11	22
101	Sorption of non-polar organic compounds by micro-sized plastic particles in aqueous solution. <i>Environmental Pollution</i> , 2016 , 214, 194-201	9.3	282
100	Combining gas-phase electrophoretic mobility molecular analysis (GEMMA), light scattering, field flow fractionation and cryo electron microscopy in a multidimensional approach to characterize liposomal carrier vesicles. <i>International Journal of Pharmaceutics</i> , 2016 , 513, 309-318	6.5	16
99	Nano electropray gas-phase electrophoretic mobility molecular analysis (nES GEMMA) of liposomes: applicability of the technique for nano vesicle batch control. <i>Analyst, The</i> , 2016 , 141, 6042-6050	5.0	12
98	Measuring the reactivity of commercially available zero-valent iron nanoparticles used for environmental remediation with iopromide. <i>Journal of Contaminant Hydrology</i> , 2015 , 181, 36-45	3.9	16
97	Feasibility of the development of reference materials for the detection of Ag nanoparticles in food: neat dispersions and spiked chicken meat. <i>Accreditation and Quality Assurance</i> , 2015 , 20, 3-16	0.7	29
96	Comment on the German draft legislation on hydraulic fracturing: the need for an accurate state of knowledge and for independent scientific research. <i>Environmental Science & Technology</i> , 2015 , 49, 6367-9	10.3	6
95	A uniform measurement expression for cross method comparison of nanoparticle aggregate size distributions. <i>Analyst, The</i> , 2015 , 140, 5257-67	5	13

94	Bacterial wax esters in recent fluvial sediments. <i>Organic Geochemistry</i> , 2015 , 89-90, 44-55	3.1	3
93	River-derived humic substances as iron chelators in seawater. <i>Marine Chemistry</i> , 2015 , 174, 85-93	3.7	55
92	Concentrations and Distributions of Metals Associated with Dissolved Organic Matter from the Suwannee River (GA, USA). <i>Environmental Engineering Science</i> , 2015 , 32, 54-65	2	19
91	Application of laser-induced breakdown-detection as a sensitive detector for UF membrane surrogate challenge tests. <i>Water Science and Technology: Water Supply</i> , 2015 , 15, 377-383	1.4	
90	The Challenge: Carbon nanomaterials in the environment: New threats or wonder materials?. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 954	3.8	10
89	Detection of Engineered Copper Nanoparticles in Soil Using Single Particle ICP-MS. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 15756-68	4.6	73
88	First steps towards a generic sample preparation scheme for inorganic engineered nanoparticles in a complex matrix for detection, characterization, and quantification by asymmetric flow-field flow fractionation coupled to multi-angle light scattering and ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 1286-1296	3.7	60
87	Analysing the fate of nanopesticides in soil and the applicability of regulatory protocols using a polymer-based nanoformulation of atrazine. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 11699-707	5.1	39
86	Production of reference materials for the detection and size determination of silica nanoparticles in tomato soup. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 3895-907	4.4	32
85	Nanopesticide research: current trends and future priorities. <i>Environment International</i> , 2014 , 63, 224-35	12.9	444
84	Spot the difference: engineered and natural nanoparticles in the environment--release, behavior, and fate. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12398-419	16.4	91
83	Accessibility of humic-associated Fe to a microbial siderophore: implications for bioavailability. <i>Environmental Science & Technology</i> , 2014 , 48, 1015-22	10.3	19
82	A tree-based statistical classification algorithm (CHAID) for identifying variables responsible for the occurrence of faecal indicator bacteria during waterworks operations. <i>Journal of Hydrology</i> , 2014 , 519, 909-917	6	4
81	Release of TiO ₂ nanoparticles from sunscreens into surface waters: a one-year survey at the old Danube recreational Lake. <i>Environmental Science & Technology</i> , 2014 , 48, 5415-22	10.3	283
80	Sorption behavior of carbon nanotubes: changes induced by functionalization, sonication and natural organic matter. <i>Science of the Total Environment</i> , 2014 , 497-498, 133-138	10.2	24
79	Laser-Induced Breakdown-Detection for reliable online monitoring of membrane integrity. <i>Journal of Membrane Science</i> , 2014 , 466, 313-321	9.6	11
78	Alkylphenolic Compounds in the Danube River. <i>Handbook of Environmental Chemistry</i> , 2014 , 197-215	0.8	
77	Finde den Unterschied: synthetische und natürliche Nanopartikel in der Umwelt [Freisetzung, Verhalten und Verbleib. <i>Angewandte Chemie</i> , 2014 , 126, 12604-12626	3.6	7

76	Asymmetrical Flow-Field-Flow Fractionation coupled with inductively coupled plasma mass spectrometry for the analysis of gold nanoparticles in the presence of natural nanoparticles. <i>Journal of Chromatography A</i> , 2014 , 1372C, 204-211	4.5	30
75	Mobility enhancement of nanoscale zero-valent iron in carbonate porous media through co-injection of polyelectrolytes. <i>Water Research</i> , 2014 , 50, 70-9	12.5	46
74	Nanopesticides: State of Knowledge, Environmental Fate, and Exposure Modeling. <i>Critical Reviews in Environmental Science and Technology</i> , 2013 , 43, 1823-1867	11.1	312
73	Natural organic matter concentration and hydrochemistry influence aggregation kinetics of functionalized engineered nanoparticles. <i>Environmental Science & Technology</i> , 2013 , 47, 4113-20	10.3	76
72	How redox conditions and irradiation affect sorption of PAHs by dispersed fullerenes (nC60). <i>Environmental Science & Technology</i> , 2013 , 47, 6935-42	10.3	43
71	Carbonate minerals in porous media decrease mobility of polyacrylic acid modified zero-valent iron nanoparticles used for groundwater remediation. <i>Environmental Pollution</i> , 2013 , 179, 53-60	9.3	67
70	The role of nanominerals and mineral nanoparticles in the transport of toxic trace metals: Field-flow fractionation and analytical TEM analyses after nanoparticle isolation and density separation. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 102, 213-225	5.5	73
69	Combining spatially resolved hydrochemical data with in-vitro nanoparticle stability testing: assessing environmental behavior of functionalized gold nanoparticles on a continental scale. <i>Environment International</i> , 2013 , 59, 53-62	12.9	14
68	Variations of common riverine contaminants in reservoir sediments. <i>Science of the Total Environment</i> , 2013 , 458-460, 90-100	10.2	15
67	Colloid-associated export of arsenic in stream water during stormflow events. <i>Chemical Geology</i> , 2013 , 352, 81-91	4.2	39
66	The influence of pH on iron speciation in podzol extracts: iron complexes with natural organic matter, and iron mineral nanoparticles. <i>Science of the Total Environment</i> , 2013 , 461-462, 108-16	10.2	46
65	Positive and negative impacts of five Austrian gravel pit lakes on groundwater quality. <i>Science of the Total Environment</i> , 2013 , 443, 14-23	10.2	18
64	Using FLOWFFF and HPSEC to determine trace metal-colloid associations in wetland runoff. <i>Water Research</i> , 2013 , 47, 2757-69	12.5	47
63	Effect of pH and stream order on iron and arsenic speciation in boreal catchments. <i>Environmental Science & Technology</i> , 2013 , 47, 7120-8	10.3	93
62	Natural organic matter and iron export from the Tanner Moor, Austria. <i>Limnologica</i> , 2013 , 43, 239-244	2	23
61	Material Flow Analysis: An Effectiveness Assessment Tool for In Situ Thermal Remediation. <i>Vadose Zone Journal</i> , 2013 , 12, vjz2012.0113	2.7	2
60	Gravel pit lake ecosystems reduce nitrate and phosphate concentrations in the outflowing groundwater. <i>Science of the Total Environment</i> , 2012 , 420, 222-8	10.2	12
59	Dispersion state and humic acids concentration-dependent sorption of pyrene to carbon nanotubes. <i>Environmental Science & Technology</i> , 2012 , 46, 7166-73	10.3	53

58	Bovine serum albumin adsorption to iron-oxide coated sands can change microsphere deposition mechanisms. <i>Environmental Science & Technology</i> , 2012 , 46, 2583-91	10.3	22
57	The potential of TiO ₂ nanoparticles as carriers for cadmium uptake in <i>Lumbricus variegatus</i> and <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2012 , 118-119, 1-8	5.1	66
56	Identification of coffee components that stimulate dopamine release from pheochromocytoma cells (PC-12). <i>Food and Chemical Toxicology</i> , 2012 , 50, 390-8	4.7	15
55	Nanoscale lignin particles as sources of dissolved iron to the ocean. <i>Global Biogeochemical Cycles</i> , 2012 , 26,	5.9	46
54	Modeling colloid deposition on a protein layer adsorbed to iron-oxide-coated sand. <i>Journal of Contaminant Hydrology</i> , 2012 , 142-143, 50-62	3.9	7
53	Influence of surface functionalization and particle size on the aggregation kinetics of engineered nanoparticles. <i>Chemosphere</i> , 2012 , 87, 918-24	8.4	84
52	Comparing the Influence of Two Different Natural Organic Matter Types on Colloid Deposition in Saturated Porous Medium. <i>Advanced Materials Research</i> , 2012 , 455-456, 1324-1329	0.5	1
51	Natural, anthropogenic and fossil organic matter in river sediments and suspended particulate matter: a multi-molecular marker approach. <i>Science of the Total Environment</i> , 2011 , 409, 905-19	10.2	29
50	The lack of microbial degradation of polycyclic aromatic hydrocarbons from coal-rich soils. <i>Environmental Pollution</i> , 2011 , 159, 623-9	9.3	23
49	Influence of ionic strength and pH on the limitation of latex microsphere deposition sites on iron-oxide coated sand by humic acid. <i>Environmental Pollution</i> , 2011 , 159, 1896-904	9.3	26
48	Variations in concentrations and compositions of polycyclic aromatic hydrocarbons (PAHs) in coals related to the coal rank and origin. <i>Environmental Pollution</i> , 2011 , 159, 2690-7	9.3	41
47	Influence of carrier solution ionic strength and injected sample load on retention and recovery of natural nanoparticles using Flow Field-Flow Fractionation. <i>Journal of Chromatography A</i> , 2011 , 1218, 6763-73	4.5	40
46	Commercial titanium dioxide nanoparticles in both natural and synthetic water: comprehensive multidimensional testing and prediction of aggregation behavior. <i>Environmental Science & Technology</i> , 2011 , 45, 10045-52	10.3	162
45	Measuring and modeling adsorption of PAHs to carbon nanotubes over a six order of magnitude wide concentration range. <i>Environmental Science & Technology</i> , 2011 , 45, 6011-7	10.3	96
44	Separation and characterization of nanoparticles in complex food and environmental samples by field-flow fractionation. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 425-436	14.6	221
43	Using FLFFF and aTEM to determine trace metal-nanoparticle associations in riverbed sediment. <i>Environmental Chemistry</i> , 2010 , 7, 82	3.2	86
42	Organic geochemistry of Danube River sediments from Panëvo (Serbia) to the Iron Gate dam (Serbia-Romania). <i>Organic Geochemistry</i> , 2010 , 41, 971-974	3.1	13
41	Nanosized iron oxide colloids strongly enhance microbial iron reduction. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 184-9	4.8	82

40	Umweltrelevanz von natürlichen polyzyklischen aromatischen Kohlenwasserstoffen aus Steinkohlen Eine Übersicht. <i>Grundwasser</i> , 2010 , 15, 5-18	1.1	5
39	Direct-push profiling of isotopic and hydrochemical vertical gradients. <i>Journal of Hydrology</i> , 2010 , 385, 84-94	6	10
38	Importance of the nugget effect in variography on modeling zinc leaching from a contaminated site using simulated annealing. <i>Journal of Hydrology</i> , 2010 , 389, 78-89	6	6
37	Relevance of peat-draining rivers for the riverine input of dissolved iron into the ocean. <i>Science of the Total Environment</i> , 2010 , 408, 2402-8	10.2	79
36	Quantifying the influence of humic acid adsorption on colloidal microsphere deposition onto iron-oxide-coated sand. <i>Environmental Pollution</i> , 2010 , 158, 3498-506	9.3	33
35	Assessment of the physico-chemical behavior of titanium dioxide nanoparticles in aquatic environments using multi-dimensional parameter testing. <i>Environmental Pollution</i> , 2010 , 158, 3472-81	9.3	84
34	Algal testing of titanium dioxide nanoparticles--testing considerations, inhibitory effects and modification of cadmium bioavailability. <i>Toxicology</i> , 2010 , 269, 190-7	4.4	247
33	Tetrachloroferrate containing ionic liquids: Magnetic- and aggregation behavior. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 1485-1488	3.1	25
32	Native polycyclic aromatic hydrocarbons (PAH) in coals - a hardly recognized source of environmental contamination. <i>Science of the Total Environment</i> , 2009 , 407, 2461-73	10.2	177
31	An ArcGIS approach to include tectonic structures in point data regionalization. <i>Ground Water</i> , 2009 , 47, 591-7	2.4	8
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