

# Albert A Koelmans

## 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.

211  
papers

19,353  
citations

66  
h-index

136  
g-index

219  
ext. papers

23,648  
ext. citations

8.2  
avg, IF

7.48  
L-index

#	Paper	IF	Citations
211	Risk assessment of microplastic particles. <i>Nature Reviews Materials</i> , <b>2022</b> , 7, 138-152	73.3	12
210	Modelling the transfer and accumulation of microplastics in a riverine freshwater food web. <i>Environmental Advances</i> , <b>2022</b> , 8, 100192	3.5	5
209	Weight of Evidence for the Microplastic Vector Effect in the Context of Chemical Risk Assessment. <i>Environmental Contamination Remediation and Management</i> , <b>2022</b> , 155-197		3
208	Modelling submerged biofouled microplastics and their vertical trajectories. <i>Biogeosciences</i> , <b>2022</b> , 19, 2211-2234	4.6	0
207	Negative food dilution and positive biofilm carrier effects of microplastic ingestion by <i>D. magna</i> cause tipping points at the population level. <i>Environmental Pollution</i> , <b>2021</b> , 118622	9.3	3
206	Lifetime Accumulation of Microplastic in Children and Adults. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 5084-5096	10.3	61
205	Global Modeled Sinking Characteristics of Biofouled Microplastic. <i>Journal of Geophysical Research: Oceans</i> , <b>2021</b> , 126, e2020JC017098	3.3	17
204	Urbanization: an increasing source of multiple pollutants to rivers in the 21st century. <i>Npj Urban Sustainability</i> , <b>2021</b> , 1,		17
203	Development of screening criteria for microplastic particles in air and atmospheric deposition: critical review and applicability towards assessing human exposure. <i>Microplastics and Nanoplastics</i> , <b>2021</b> , 1,		13
202	Global Plastic Pollution Observation System to Aid Policy. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7770-7775	10.3	15
201	Paradigms to assess the human health risks of nano- and microplastics. <i>Microplastics and Nanoplastics</i> , <b>2021</b> , 1,		9
200	Automated FTIR Imaging Demonstrates Taxon-Specific and Selective Uptake of Microplastic by Freshwater Invertebrates. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 9916-9925	10.3	4
199	Environmental risks of car tire microplastic particles and other road runoff pollutants. <i>Microplastics and Nanoplastics</i> , <b>2021</b> , 1,		7
198	Clarifying the absence of evidence regarding human health risks to microplastic particles in drinking-water: High quality robust data wanted. <i>Environment International</i> , <b>2021</b> , 150, 106141	12.9	7
197	Communicating the absence of evidence for microplastics risk: Balancing sensation and reflection. <i>Environment International</i> , <b>2021</b> , 150, 106116	12.9	13
196	Assessing microplastic as a vector for chemical entry into fish larvae using a novel tube-feeding approach. <i>Chemosphere</i> , <b>2021</b> , 265, 129144	8.4	8
195	Metal-doping of nanoplastics enables accurate assessment of uptake and effects on. <i>Environmental Science: Nano</i> , <b>2021</b> , 8, 1761-1770	7.1	10

194	Characterizing the multidimensionality of microplastics across environmental compartments. <i>Water Research</i> , <b>2021</b> , 202, 117429	12.5	11
193	Assessing seasonal nitrogen export to large tropical lakes. <i>Science of the Total Environment</i> , <b>2020</b> , 731, 139199	10.2	8
192	A systems approach to understand microplastic occurrence and variability in Dutch riverine surface waters. <i>Water Research</i> , <b>2020</b> , 176, 115723	12.5	66
191	Distribution of microplastic and small macroplastic particles across four fish species and sediment in an African lake. <i>Science of the Total Environment</i> , <b>2020</b> , 741, 140527	10.2	48
190	Impact of polystyrene nanoparticles on marine diatom <i>Skeletonema marinoi</i> chain assemblages and consequences on their ecological role in marine ecosystems. <i>Environmental Pollution</i> , <b>2020</b> , 262, 114268	9.3	18
189	The physical oceanography of the transport of floating marine debris. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 023003	6.2	186
188	Current Insights into Monitoring, Bioaccumulation, and Potential Health Effects of Microplastics Present in the Food Chain. <i>Foods</i> , <b>2020</b> , 9,	4.9	65
187	Nano- and microplastics affect the composition of freshwater benthic communities in the long term. <i>Science Advances</i> , <b>2020</b> , 6, eaay4054	14.3	47
186	Risks of floating microplastic in the global ocean. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115499	9.3	46
185	Microplastics in brown trout ( <i>Salmo trutta</i> Linnaeus, 1758) from an Irish riverine system. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115572	9.3	12
184	A systems analysis of microplastic pollution in Laizhou Bay, China. <i>Science of the Total Environment</i> , <b>2020</b> , 745, 140815	10.2	26
183	Solving the Nonalignment of Methods and Approaches Used in Microplastic Research to Consistently Characterize Risk. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 12307-12315	10.3	49
182	Quality Criteria for Microplastic Effect Studies in the Context of Risk Assessment: A Critical Review. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 11692-11705	10.3	69
181	Microplastics in Freshwater Biota: A Critical Review of Isolation, Characterization, and Assessment Methods. <i>Global Challenges</i> , <b>2020</b> , 4, 1800118	4.3	34
180	Managing the analytical challenges related to micro- and nanoplastics in the environment and food: filling the knowledge gaps. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2020</b> , 37, 1-10	3.2	34
179	Plastic ingestion by marine fish in the wild. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2020</b> , 50, 657-697	11.1	70
178	Bioaccumulation of polycyclic aromatic hydrocarbons by arctic and temperate benthic species. <i>Environmental Toxicology and Chemistry</i> , <b>2019</b> , 38, 883-895	3.8	8
177	Biomarker responses and biotransformation capacity in Arctic and temperate benthic species exposed to polycyclic aromatic hydrocarbons. <i>Science of the Total Environment</i> , <b>2019</b> , 662, 631-638	10.2	6

176	Combined effects of nanoplastics and copper on the freshwater alga <i>Raphidocelis subcapitata</i> . <i>Aquatic Toxicology</i> , <b>2019</b> , 210, 179-187	5.1	70
175	Proxies for nanoplastic. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 307-308	28.7	31
174	Simplifying Microplastic via Continuous Probability Distributions for Size, Shape, and Density. <i>Environmental Science and Technology Letters</i> , <b>2019</b> , 6, 551-557	11	112
173	Modeling Decreased Resilience of Shallow Lake Ecosystems toward Eutrophication due to Microplastic Ingestion across the Food Web. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 13822-13831	10.3	24
172	Microplastics in freshwaters and drinking water: Critical review and assessment of data quality. <i>Water Research</i> , <b>2019</b> , 155, 410-422	12.5	692
171	Effects of nanoplastics and microplastics on the growth of sediment-rooted macrophytes. <i>Science of the Total Environment</i> , <b>2019</b> , 654, 1040-1047	10.2	114
170	Transfer of PCBs from Microplastics under Simulated Gut Fluid Conditions Is Biphasic and Reversible. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 1874-1883	10.3	81
169	Global multi-pollutant modelling of water quality: scientific challenges and future directions. <i>Current Opinion in Environmental Sustainability</i> , <b>2019</b> , 36, 116-125	7.2	45
168	Quantifying ecological risks of aquatic micro- and nanoplastic. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2019</b> , 49, 32-80	11.1	167
167	Multimedia fate modeling of perfluorooctanoic acid (PFOA) and perfluorooctane sulphonate (PFOS) in the shallow lake Chaohu, China. <i>Environmental Pollution</i> , <b>2018</b> , 237, 339-347	9.3	25
166	Avoidance tests as a tool to detect sublethal effects of oil-impacted sediments. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 1757-1766	3.8	3
165	Microplastic Effect Thresholds for Freshwater Benthic Macroinvertebrates. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 2278-2286	10.3	150
164	Risk assessment of microplastics in the ocean: Modelling approach and first conclusions. <i>Environmental Pollution</i> , <b>2018</b> , 242, 1930-1938	9.3	167
163	Quality Criteria for the Analysis of Microplastic in Biota Samples: A Critical Review. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10230-10240	10.3	228
162	Modeling the Fate and Transport of Plastic Debris in Freshwaters: Review and Guidance. <i>Handbook of Environmental Chemistry</i> , <b>2018</b> , 125-152	0.8	42
161	Pollutants in Plastics within the North Pacific Subtropical Gyre. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 446-456	10.3	85
160	Ingestion and Chronic Effects of Car Tire Tread Particles on Freshwater Benthic Macroinvertebrates. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 13986-13994	10.3	53
159	Closing the gap between small and smaller: towards a framework to analyse nano- and microplastics in aqueous environmental samples. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 1640-1649	7.1	128

158	Accumulation of Plastic Debris and Associated Contaminants in Aquatic Food Webs. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 8510-8520	10.3	132
157	Creating a safe operating space for wetlands in a changing climate. <i>Frontiers in Ecology and the Environment</i> , <b>2017</b> , 15, 99-107	5.5	84
156	Water Quality of Lake Tana Basin, Upper Blue Nile, Ethiopia. A Review of Available Data. <i>AESS Interdisciplinary Environmental Studies and Sciences Series</i> , <b>2017</b> , 127-141	0.3	5
155	Integrated ecological and chemical food web accumulation modeling explains PAH temporal trends during regime shifts in a shallow lake. <i>Water Research</i> , <b>2017</b> , 119, 73-82	12.5	22
154	Ups and Downs in the Ocean: Effects of Biofouling on Vertical Transport of Microplastics. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7963-7971	10.3	351
153	Sorption mechanisms of sulfamethazine to soil humin and its subfractions after sequential treatments. <i>Environmental Pollution</i> , <b>2017</b> , 221, 266-275	9.3	19
152	Field evidence for transfer of plastic debris along a terrestrial food chain. <i>Scientific Reports</i> , <b>2017</b> , 7, 14071	11	274
151	Aging of microplastics promotes their ingestion by marine zooplankton. <i>Environmental Pollution</i> , <b>2017</b> , 231, 987-996	9.3	201
150	Risks of Plastic Debris: Unravelling Fact, Opinion, Perception, and Belief. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 11513-11519	10.3	176
149	Export of microplastics from land to sea. A modelling approach. <i>Water Research</i> , <b>2017</b> , 127, 249-257	12.5	234
148	All is not lost: deriving a top-down mass budget of plastic at sea. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 114028	6.2	148
147	Detection of low numbers of microplastics in North Sea fish using strict quality assurance criteria. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 122, 253-258	6.7	121
146	The Effect of Microplastic on the Uptake of Chemicals by the Lugworm <i>Arenicola marina</i> (L.) under Environmentally Relevant Exposure Conditions. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 8795-8804	10.3	82
145	Turbulent mixing accelerates PAH desorption due to fragmentation of sediment particle aggregates. <i>Journal of Soils and Sediments</i> , <b>2017</b> , 17, 277-285	3.4	5
144	Fate of nano- and microplastic in freshwater systems: A modeling study. <i>Environmental Pollution</i> , <b>2017</b> , 220, 540-548	9.3	360
143	Incorporation of microplastics from litter into burrows of <i>Lumbricus terrestris</i> . <i>Environmental Pollution</i> , <b>2017</b> , 220, 523-531	9.3	305
142	Prospective Environmental Risk Assessment for Sediment-Bound Organic Chemicals: A Proposal for Tiered Effect Assessment. <i>Reviews of Environmental Contamination and Toxicology</i> , <b>2017</b> , 239, 1-77	3.5	8
141	Bioaccumulation of polycyclic aromatic hydrocarbons, polychlorinated biphenyls and hexachlorobenzene by three Arctic benthic species from Kongsfjorden (Svalbard, Norway). <i>Marine Pollution Bulletin</i> , <b>2016</b> , 112, 65-74	6.7	25

140	Analyzing the Limitations and the Applicability Domain of Water-Sediment Transformation Tests like OECD 308. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 10335-10342	10.3	4
139	The effect of particle properties on the depth profile of buoyant plastics in the ocean. <i>Scientific Reports</i> , <b>2016</b> , 6, 33882	4.9	125
138	Trait-based modelling of bioaccumulation by freshwater benthic invertebrates. <i>Aquatic Toxicology</i> , <b>2016</b> , 176, 88-96	5.1	19
137	Dynamics and recovery of a sediment-exposed <i>Chironomus riparius</i> population: A modelling approach. <i>Environmental Pollution</i> , <b>2016</b> , 213, 741-750	9.3	6
136	Multimedia environmental fate and speciation of engineered nanoparticles: a probabilistic modeling approach. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 715-727	7.1	55
135	Microplastics in the Terrestrial Ecosystem: Implications for <i>Lumbricus terrestris</i> (Oligochaeta, Lumbricidae). <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 2685-91	10.3	526
134	Towards validation of the NanoDUFLOW nanoparticle fate model for the river Dommel, The Netherlands. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 434-441	7.1	34
133	Microplastic as a Vector for Chemicals in the Aquatic Environment: Critical Review and Model-Supported Reinterpretation of Empirical Studies. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 3315-26	10.3	704
132	Negligible Impact of Ingested Microplastics on Tissue Concentrations of Persistent Organic Pollutants in Northern Fulmars off Coastal Norway. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1924-33	10.3	157
131	Plastic debris and policy: Using current scientific understanding to invoke positive change. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 1617-26	3.8	68
130	Sorption of Hydrophobic Organic Compounds to Plastics in the Marine Environment: Equilibrium. <i>Handbook of Environmental Chemistry</i> , <b>2016</b> , 185-204	0.8	26
129	Sorption of polycyclic aromatic hydrocarbons to polystyrene nanoplastic. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 1650-5	3.8	132
128	Global modelling of surface water quality: a multi-pollutant approach. <i>Current Opinion in Environmental Sustainability</i> , <b>2016</b> , 23, 35-45	7.2	38
127	Positioning activated carbon amendment technologies in a novel framework for sediment management. <i>Integrated Environmental Assessment and Management</i> , <b>2015</b> , 11, 221-34	2.5	27
126	Microplastic in a macro filter feeder: Humpback whale <i>Megaptera novaeangliae</i> . <i>Marine Pollution Bulletin</i> , <b>2015</b> , 95, 248-52	6.7	234
125	Guidance for the prognostic risk assessment of nanomaterials in aquatic ecosystems. <i>Science of the Total Environment</i> , <b>2015</b> , 535, 141-9	10.2	36
124	Molecular Assessment of Bacterial Community Dynamics and Functional End Points during Sediment Bioaccumulation Tests. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13586-95	10.3	8
123	Modeling of Bioaccumulation in Marine Benthic Invertebrates Using a Multispecies Experimental Approach. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13575-85	10.3	20

122	Lake retention of manufactured nanoparticles. <i>Environmental Pollution</i> , <b>2015</b> , 196, 171-5	9.3	12
121	Spatially explicit fate modelling of nanomaterials in natural waters. <i>Water Research</i> , <b>2015</b> , 80, 200-8	12.5	74
120	A Review of the Properties and Processes Determining the Fate of Engineered Nanomaterials in the Aquatic Environment. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2015</b> , 45, 2084-2134	11.1	145
119	Modeling the Role of Microplastics in Bioaccumulation of Organic Chemicals to Marine Aquatic Organisms. A Critical Review <b>2015</b> , 309-324		53
118	Nanoplastics in the Aquatic Environment. Critical Review <b>2015</b> , 325-340		173
117	Kinetics of hydrophobic organic contaminant extraction from sediment by granular activated carbon. <i>Water Research</i> , <b>2014</b> , 51, 86-95	12.5	15
116	Partitioning of perfluorooctanesulfonate and perfluorohexanesulfonate in the aquatic environment after an accidental release of aqueous film forming foam at Schiphol Amsterdam Airport. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 1761-5	3.8	27
115	Uptake, translocation, and elimination in sediment-rooted macrophytes: a model-supported analysis of whole sediment test data. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 12344-53	10.3	15
114	Equilibrium and kinetic modeling of contaminant immobilization by activated carbon amended to sediments in the field. <i>Water Research</i> , <b>2014</b> , 67, 96-104	12.5	14
113	Limited reversibility of bioconcentration of hydrophobic organic chemicals in phytoplankton. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 7341-8	10.3	18
112	Rapid settling of nanoparticles due to heteroaggregation with suspended sediment. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 1766-73	3.8	79
111	Explaining PAH desorption from sediments using Rock Eval analysis. <i>Environmental Pollution</i> , <b>2014</b> , 193, 247-253	9.3	26
110	Multimedia modeling of engineered nanoparticles with SimpleBox4nano: model definition and evaluation. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 5726-36	10.3	146
109	Strong sorption of PCBs to nanoplastics, microplastics, carbon nanotubes, and fullerenes. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 4869-76	10.3	500
108	Simplifying modeling of nanoparticle aggregation-sedimentation behavior in environmental systems: a theoretical analysis. <i>Water Research</i> , <b>2014</b> , 62, 193-201	12.5	60
107	Analysis of organic contaminant desorption kinetic data for sediments and soils: implications for the Tenax extraction time for the determination of bioavailable concentrations. <i>Science of the Total Environment</i> , <b>2014</b> , 490, 235-8	10.2	12
106	Nanoplastic affects growth of <i>S. obliquus</i> and reproduction of <i>D. magna</i> . <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 12336-43	10.3	610
105	Plastics in the marine environment. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 5-10	3.8	90

104	Heteroaggregation and sedimentation rates for nanomaterials in natural waters. <i>Water Research</i> , <b>2014</b> , 48, 269-79	12.5	179
103	Sediment Toxicity Testing of Organic Chemicals in the Context of Prospective Risk Assessment: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2014</b> , 44, 255-302	11.1	45
102	Leaching of plastic additives to marine organisms. <i>Environmental Pollution</i> , <b>2014</b> , 187, 49-54	9.3	275
101	Effects of microplastic on fitness and PCB bioaccumulation by the lugworm <i>Arenicola marina</i> (L.). <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 593-600	10.3	599
100	Extraction of sediment-associated polycyclic aromatic hydrocarbons with granular activated carbon. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 304-11	3.8	22
99	Sorption of perfluorooctane sulfonate to carbon nanotubes in aquatic sediments. <i>Chemosphere</i> , <b>2013</b> , 90, 1631-6	8.4	43
98	Multiwalled carbon nanotubes at environmentally relevant concentrations affect the composition of benthic communities. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 7475-82	10.3	27
97	Bioturbation and dissolved organic matter enhance contaminant fluxes from sediment treated with powdered and granular activated carbon. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 5092-100	10.3	35
96	Plastic in north sea fish. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 8818-24	10.3	546
95	In situ treatment with activated carbon reduces bioaccumulation in aquatic food chains. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 4563-71	10.3	44
94	Plastic as a carrier of POPs to aquatic organisms: a model analysis. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 7812-20	10.3	310
93	In situ sorption of hydrophobic organic compounds to sediment amended with activated carbon. <i>Environmental Pollution</i> , <b>2012</b> , 161, 23-9	9.3	23
92	Ecotoxicity test methods for engineered nanomaterials: practical experiences and recommendations from the bench. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 15-31	3.8	240
91	Analysis of engineered nanomaterials in complex matrices (environment and biota): general considerations and conceptual case studies. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 32-49	3.8	355
90	Potential scenarios for nanomaterial release and subsequent alteration in the environment. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 50-9	3.8	457
89	Paradigms to assess the environmental impact of manufactured nanomaterials. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 3-14	3.8	263
88	Explaining differences between bioaccumulation measurements in laboratory and field data through use of a probabilistic modeling approach. <i>Integrated Environmental Assessment and Management</i> , <b>2012</b> , 8, 42-63	2.5	54
87	Modeling trade-off between PAH toxicity reduction and negative effects of sorbent amendments to contaminated sediments. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 4975-84	10.3	16



86	Long-term recovery of benthic communities in sediments amended with activated carbon. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10735-42	10.3	29
85	Effects of nanopolystyrene on the feeding behavior of the blue mussel ( <i>Mytilus edulis</i> L.). <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 2490-7	3.8	334
84	Nonequilibrium of organic compounds in sediment-water systems. Consequences for risk assessment and remediation measures. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10900-8	10.3	19
83	In situ remediation of contaminated sediments using carbonaceous materials. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 693-704	3.8	84
82	Community effects of carbon nanotubes in aquatic sediments. <i>Environment International</i> , <b>2011</b> , 37, 1126-130	10.3	31
81	Effects of black carbon on bioturbation-induced benthic fluxes of polychlorinated biphenyls. <i>Chemosphere</i> , <b>2011</b> , 84, 1150-7	8.4	21
80	Quantifying seasonal export and retention of nutrients in West European lowland rivers at catchment scale. <i>Hydrological Processes</i> , <b>2011</b> , 25, 2102-2111	3.3	37
79	Ecotoxicological effects of activated carbon amendments on macroinvertebrates in nonpolluted and polluted sediments. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 8567-74	10.3	66
78	Distribution of perfluorinated compounds in aquatic systems in the Netherlands. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3746-51	10.3	171
77	Estimation of in situ sediment-to-water fluxes of polycyclic aromatic hydrocarbons, polychlorobiphenyls and polybrominated diphenylethers. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3014-20	10.3	42
76	Black carbon inclusive multichemical modeling of PBDE and PCB biomagnification and -transformation in estuarine food webs. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 7548-54	10.3	16
75	Impacts of manipulated regime shifts in shallow lake model ecosystems on the fate of hydrophobic organic compounds. <i>Water Research</i> , <b>2010</b> , 44, 6153-63	12.5	18
74	Modeling polychlorinated biphenyl sorption isotherms for soot and coal. <i>Environmental Pollution</i> , <b>2010</b> , 158, 2672-8	9.3	24
73	Modeling the vertical distribution of carbendazim in sediments. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 19, 793-800	3.8	1
72	Quantification methods of Black Carbon: comparison of Rock-Eval analysis with traditional methods. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 613-22	4.5	55
71	A kinetic approach to evaluate the association of acid volatile sulfide and simultaneously extracted metals in aquatic sediments. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 711-7	3.8	12
70	Attenuation of polychlorinated biphenyl sorption to charcoal by humic acids. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 736-42	10.3	75
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55	Habitat selection by chironomid larvae: fast growth requires fast food. <i>Journal of Animal Ecology</i> , <b>2006</b> , 75, 148-55	4.7	47
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42	Uptake of sediment-bound bioavailable polychlorobiphenyls by benthivorous carp ( <i>Cyprinus carpio</i> ). <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 4503-9	10.3	51
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