Albert A Koelmans

List of Publications by Year
in descending order

215 papers	28,079 citations	10070 75 h-index	6686 161 g-index
219 all docs	219 docs citations	219 times ranked	17841 citing authors

#	Article	IF	Citations
1	Weight of Evidence for the Microplastic Vector Effect in the Context of Chemical Risk Assessment. Environmental Contamination Remediation and Management, 2022, , 155-197.	0.5	11
2	Negative food dilution and positive biofilm carrier effects of microplastic ingestion by D. magna cause tipping points at the population level. Environmental Pollution, 2022, 294, 118622.	3.7	25
3	Risk assessment of microplastic particles. Nature Reviews Materials, 2022, 7, 138-152.	23.3	306
4	Modelling the transfer and accumulation of microplastics in a riverine freshwater food web. Environmental Advances, 2022, 8, 100192.	2.2	13
5	Modelling submerged biofouled microplastics and their vertical trajectories. Biogeosciences, 2022, 19, 2211-2234.	1.3	22
6	A living tool for the continued exploration of microplastic toxicity. Microplastics and Nanoplastics, 2022, 2, .	4.1	20
7	Development and application of a health-based framework for informing regulatory action in relation to exposure of microplastic particles in California drinking water. Microplastics and Nanoplastics, 2022, 2, .	4.1	35
8	Risk-based management framework for microplastics in aquatic ecosystems. Microplastics and Nanoplastics, 2022, 2, .	4.1	56
9	Risk characterization of microplastics in San Francisco Bay, California. Microplastics and Nanoplastics, 2022, 2, .	4.1	15
10	Clarifying the absence of evidence regarding human health risks to microplastic particles in drinking-water: High quality robust data wanted. Environment International, 2021, 150, 106141.	4.8	12
11	Communicating the absence of evidence for microplastics risk: Balancing sensation and reflection. Environment International, 2021, 150, 106116.	4.8	22
12	Assessing microplastic as a vector for chemical entry into fish larvae using a novel tube-feeding approach. Chemosphere, 2021, 265, 129144.	4.2	20
13	Metal-doping of nanoplastics enables accurate assessment of uptake and effects on Gammarus pulex. Environmental Science: Nano, 2021, 8, 1761-1770.	2.2	24
14	Lifetime Accumulation of Microplastic in Children and Adults. Environmental Science & Technology, 2021, 55, 5084-5096.	4.6	233
15	Global Modeled Sinking Characteristics of Biofouled Microplastic. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC017098.	1.0	69
16	Urbanization: an increasing source of multiple pollutants to rivers in the 21st century. Npj Urban Sustainability, 2021, 1, .	3.7	84
17	Development of screening criteria for microplastic particles in air and atmospheric deposition: critical review and applicability towards assessing human exposure. Microplastics and Nanoplastics, 2021, 1, .	4.1	42
18	Global Plastic Pollution Observation System to Aid Policy. Environmental Science & Technology, 2021, 55, 7770-7775.	4.6	59

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19	Paradigms to assess the human health risks of nano- and microplastics. Microplastics and Nanoplastics, 2021, 1, .	4.1	31
20	Automated Î¼FTIR Imaging Demonstrates Taxon-Specific and Selective Uptake of Microplastic by Freshwater Invertebrates. Environmental Science & Technology, 2021, 55, 9916-9925.	4.6	21
21	Environmental risks of car tire microplastic particles and other road runoff pollutants. Microplastics and Nanoplastics, 2021, 1, .	4.1	43
22	Characterizing the multidimensionality of microplastics across environmental compartments. Water Research, 2021, 202, 117429.	5.3	79
23	Microplastics in Freshwater Biota: A Critical Review of Isolation, Characterization, and Assessment Methods. Global Challenges, 2020, 4, 1800118.	1.8	53
24	Managing the analytical challenges related to micro- and nanoplastics in the environment and food: filling the knowledge gaps. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2020, 37, 1-10.	1.1	50
25	Plastic ingestion by marine fish in the wild. Critical Reviews in Environmental Science and Technology, 2020, 50, 657-697.	6.6	145
26	Risks of floating microplastic in the global ocean. Environmental Pollution, 2020, 267, 115499.	3.7	127
27	Microplastics in brown trout (Salmo trutta Linnaeus, 1758) from an Irish riverine system. Environmental Pollution, 2020, 267, 115572.	3.7	24
28	A systems analysis of microplastic pollution in Laizhou Bay, China. Science of the Total Environment, 2020, 745, 140815.	3.9	64
29	Solving the Nonalignment of Methods and Approaches Used in Microplastic Research to Consistently Characterize Risk. Environmental Science & Technology, 2020, 54, 12307-12315.	4.6	154
30	Quality Criteria for Microplastic Effect Studies in the Context of Risk Assessment: A Critical Review. Environmental Science & Technology, 2020, 54, 11692-11705.	4.6	172
31	Assessing seasonal nitrogen export to large tropical lakes. Science of the Total Environment, 2020, 731, 139199.	3.9	22
32	A systems approach to understand microplastic occurrence and variability in Dutch riverine surface waters. Water Research, 2020, 176, 115723.	5.3	126
33	Distribution of microplastic and small macroplastic particles across four fish species and sediment in an African lake. Science of the Total Environment, 2020, 741, 140527.	3.9	107
34	Impact of polystyrene nanoparticles on marine diatom Skeletonema marinoi chain assemblages and consequences on their ecological role in marine ecosystems. Environmental Pollution, 2020, 262, 114268.	3.7	44
35	The physical oceanography of the transport of floating marine debris. Environmental Research Letters, 2020, 15, 023003.	2.2	469
36	Current Insights into Monitoring, Bioaccumulation, and Potential Health Effects of Microplastics Present in the Food Chain. Foods, 2020, 9, 72.	1.9	124

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37	Nano- and microplastics affect the composition of freshwater benthic communities in the long term. Science Advances, 2020, 6, eaay4054.	4.7	104
38	Simplifying Microplastic via Continuous Probability Distributions for Size, Shape, and Density. Environmental Science and Technology Letters, 2019, 6, 551-557.	3.9	335
39	Modeling Decreased Resilience of Shallow Lake Ecosystems toward Eutrophication due to Microplastic Ingestion across the Food Web. Environmental Science & Technology, 2019, 53, 13822-13831.	4.6	41
40	Bioaccumulation of polycyclic aromatic hydrocarbons by arctic and temperate benthic species. Environmental Toxicology and Chemistry, 2019, 38, 883-895.	2.2	14
41	Biomarker responses and biotransformation capacity in Arctic and temperate benthic species exposed to polycyclic aromatic hydrocarbons. Science of the Total Environment, 2019, 662, 631-638.	3.9	6
42	Combined effects of nanoplastics and copper on the freshwater alga Raphidocelis subcapitata. Aquatic Toxicology, 2019, 210, 179-187.	1.9	122
43	Proxies for nanoplastic. Nature Nanotechnology, 2019, 14, 307-308.	15.6	57
44	Microplastics in freshwaters and drinking water: Critical review and assessment of data quality. Water Research, 2019, 155, 410-422.	5.3	1,366
45	Effects of nanoplastics and microplastics on the growth of sediment-rooted macrophytes. Science of the Total Environment, 2019, 654, 1040-1047.	3.9	223
46	Transfer of PCBs from Microplastics under Simulated Gut Fluid Conditions Is Biphasic and Reversible. Environmental Science & Technology, 2019, 53, 1874-1883.	4.6	126
47	Global multi-pollutant modelling of water quality: scientific challenges and future directions. Current Opinion in Environmental Sustainability, 2019, 36, 116-125.	3.1	80
48	Quantifying ecological risks of aquatic micro- and nanoplastic. Critical Reviews in Environmental Science and Technology, 2019, 49, 32-80.	6.6	329
49	Multimedia fate modeling of perfluorooctanoic acid (PFOA) and perfluorooctane sulphonate (PFOS) in the shallow lake Chaohu, China. Environmental Pollution, 2018, 237, 339-347.	3.7	32
50	Avoidance tests as a tool to detect sublethal effects of oilâ€impacted sediments. Environmental Toxicology and Chemistry, 2018, 37, 1757-1766.	2.2	6
51	Microplastic Effect Thresholds for Freshwater Benthic Macroinvertebrates. Environmental Science & Technology, 2018, 52, 2278-2286.	4.6	240
52	Modeling the Fate and Transport of Plastic Debris in Freshwaters: Review and Guidance. Handbook of Environmental Chemistry, 2018, , 125-152.	0.2	78
53	Pollutants in Plastics within the North Pacific Subtropical Gyre. Environmental Science & Technology, 2018, 52, 446-456.	4.6	121
54	Ingestion and Chronic Effects of Car Tire Tread Particles on Freshwater Benthic Macroinvertebrates. Environmental Science & Technology, 2018, 52, 13986-13994.	4.6	90

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55	Closing the gap between small and smaller: towards a framework to analyse nano- and microplastics in aqueous environmental samples. Environmental Science: Nano, 2018, 5, 1640-1649.	2.2	186
56	Accumulation of Plastic Debris and Associated Contaminants in Aquatic Food Webs. Environmental Science & Technology, 2018, 52, 8510-8520.	4.6	210
57	Risk assessment of microplastics in the ocean: Modelling approach and first conclusions. Environmental Pollution, 2018, 242, 1930-1938.	3.7	313
58	Quality Criteria for the Analysis of Microplastic in Biota Samples: A Critical Review. Environmental Science & Technology, 2018, 52, 10230-10240.	4.6	371
59	Creating a safe operating space for wetlands in a changing climate. Frontiers in Ecology and the Environment, 2017, 15, 99-107.	1.9	125
60	Water Quality of Lake Tana Basin, Upper Blue Nile, Ethiopia. A Review of Available Data. AESS Interdisciplinary Environmental Studies and Sciences Series, 2017, , 127-141.	0.2	12
61	Integrated ecological and chemical food web accumulation modeling explains PAH temporal trends during regime shifts in a shallow lake. Water Research, 2017, 119, 73-82.	5.3	29
62	Ups and Downs in the Ocean: Effects of Biofouling on Vertical Transport of Microplastics. Environmental Science & Technology, 2017, 51, 7963-7971.	4.6	566
63	Sorption mechanisms of sulfamethazine to soil humin and its subfractions after sequential treatments. Environmental Pollution, 2017, 221, 266-275.	3.7	26
64	Field evidence for transfer of plastic debris along a terrestrial food chain. Scientific Reports, 2017, 7, 14071.	1.6	523
65	Aging of microplastics promotes their ingestion by marine zooplankton. Environmental Pollution, 2017, 231, 987-996.	3.7	322
66	Risks of Plastic Debris: Unravelling Fact, Opinion, Perception, and Belief. Environmental Science & Technology, 2017, 51, 11513-11519.	4.6	250
67	Export of microplastics from land to sea. A modelling approach. Water Research, 2017, 127, 249-257.	5.3	402
68	All is not lost: deriving a top-down mass budget of plastic at sea. Environmental Research Letters, 2017, 12, 114028.	2.2	231
69	Detection of low numbers of microplastics in North Sea fish using strict quality assurance criteria. Marine Pollution Bulletin, 2017, 122, 253-258.	2.3	162
70	The Effect of Microplastic on the Uptake of Chemicals by the Lugworm Arenicola marina (L.) under Environmentally Relevant Exposure Conditions. Environmental Science & Technology, 2017, 51, 8795-8804.	4.6	119
71	Turbulent mixing accelerates PAH desorption due to fragmentation of sediment particle aggregates. Journal of Soils and Sediments, 2017, 17, 277-285.	1.5	5
72	Fate of nano- and microplastic in freshwater systems: A modeling study. Environmental Pollution, 2017, 220, 540-548.	3.7	601

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73	Incorporation of microplastics from litter into burrows of Lumbricus terrestris. Environmental Pollution, 2017, 220, 523-531.	3.7	479
74	Plastic debris and policy: Using current scientific understanding to invoke positive change. Environmental Toxicology and Chemistry, 2016, 35, 1617-1626.	2.2	108
75	Sorption of Hydrophobic Organic Compounds to Plastics in the Marine Environment: Equilibrium. Handbook of Environmental Chemistry, 2016, , 185-204.	0.2	37
76	Sorption of polycyclic aromatic hydrocarbons to polystyrene nanoplastic. Environmental Toxicology and Chemistry, 2016, 35, 1650-1655.	2.2	196
77	Global modelling of surface water quality: a multi-pollutant approach. Current Opinion in Environmental Sustainability, 2016, 23, 35-45.	3.1	50
78	Prospective Environmental Risk Assessment for Sediment-Bound Organic Chemicals: A Proposal for Tiered Effect Assessment. Reviews of Environmental Contamination and Toxicology, 2016, 239, 1-77.	0.7	13
79	Bioaccumulation of polycyclic aromatic hydrocarbons, polychlorinated biphenyls and hexachlorobenzene by three Arctic benthic species from Kongsfjorden (Svalbard, Norway). Marine Pollution Bulletin, 2016, 112, 65-74.	2.3	32
80	Analyzing the Limitations and the Applicability Domain of Waterâ€“Sediment Transformation Tests like OECD 308. Environmental Science & Technology, 2016, 50, 10335-10342.	4.6	7
81	The effect of particle properties on the depth profile of buoyant plastics in the ocean. Scientific Reports, 2016, 6, 33882.	1.6	194
82	Trait-based modelling of bioaccumulation by freshwater benthic invertebrates. Aquatic Toxicology, 2016, 176, 88-96.	1.9	24
83	Dynamics and recovery of a sediment-exposed Chironomus riparius population: A modelling approach. Environmental Pollution, 2016, 213, 741-750.	3.7	7
84	Multimedia environmental fate and speciation of engineered nanoparticles: a probabilistic modeling approach. Environmental Science: Nano, 2016, 3, 715-727.	2.2	66
85	Microplastics in the Terrestrial Ecosystem: Implications for Lumbricus terrestris (Oligochaeta,) Tj ETQq1 1 0.784314 rgBT /Over	4.6	844
86	Towards validation of the NanoDUFLOW nanoparticle fate model for the river Dommel, The Netherlands. Environmental Science: Nano, 2016, 3, 434-441.	2.2	39
87	Microplastic as a Vector for Chemicals in the Aquatic Environment: Critical Review and Model-Supported Reinterpretation of Empirical Studies. Environmental Science & Technology, 2016, 50, 3315-3326.	4.6	1,031
88	Negligible Impact of Ingested Microplastics on Tissue Concentrations of Persistent Organic Pollutants in Northern Fulmars off Coastal Norway. Environmental Science & Technology, 2016, 50, 1924-1933.	4.6	215
89	Spatially explicit fate modelling of nanomaterials in natural waters. Water Research, 2015, 80, 200-208.	5.3	90
90	A Review of the Properties and Processes Determining the Fate of Engineered Nanomaterials in the Aquatic Environment. Critical Reviews in Environmental Science and Technology, 2015, 45, 2084-2134.	6.6	172

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91	Positioning activated carbon amendment technologies in a novel framework for sediment management. Integrated Environmental Assessment and Management, 2015, 11, 221-234.	1.6	31
92	Microplastic in a macro filter feeder: Humpback whale Megaptera novaeangliae. Marine Pollution Bulletin, 2015, 95, 248-252.	2.3	327
93	Guidance for the prognostic risk assessment of nanomaterials in aquatic ecosystems. Science of the Total Environment, 2015, 535, 141-149.	3.9	49
94	Molecular Assessment of Bacterial Community Dynamics and Functional End Points during Sediment Bioaccumulation Tests. Environmental Science & Technology, 2015, 49, 13586-13595.	4.6	10
95	Modeling of Bioaccumulation in Marine Benthic Invertebrates Using a Multispecies Experimental Approach. Environmental Science & Technology, 2015, 49, 13575-13585.	4.6	27
96	Lake retention of manufactured nanoparticles. Environmental Pollution, 2015, 196, 171-175.	3.7	13
97	Modeling the Role of Microplastics in Bioaccumulation of Organic Chemicals to Marine Aquatic Organisms. A Critical Review. , 2015, , 309-324.		85
98	Nanoplastics in the Aquatic Environment. Critical Review. , 2015, , 325-340.		261
99	Nanoplastic Affects Growth of S. obliquus and Reproduction of D. magna. Environmental Science & Technology, 2014, 48, 12336-12343.	4.6	868
100	Plastics in the marine environment. Environmental Toxicology and Chemistry, 2014, 33, 5-10.	2.2	115
101	Heteroaggregation and sedimentation rates for nanomaterials in natural waters. Water Research, 2014, 48, 269-279.	5.3	205
102	Sediment Toxicity Testing of Organic Chemicals in the Context of Prospective Risk Assessment: A Review. Critical Reviews in Environmental Science and Technology, 2014, 44, 255-302.	6.6	47
103	Leaching of plastic additives to marine organisms. Environmental Pollution, 2014, 187, 49-54.	3.7	359
104	Kinetics of hydrophobic organic contaminant extraction from sediment by granular activated carbon. Water Research, 2014, 51, 86-95.	5.3	17
105	Partitioning of perfluorooctanesulfonate and perfluorohexanesulfonate in the aquatic environment after an accidental release of aqueous film forming foam at Schiphol Amsterdam Airport. Environmental Toxicology and Chemistry, 2014, 33, 1761-1765.	2.2	36
106	Uptake, Translocation, and Elimination in Sediment-Rooted Macrophytes: A Model-Supported Analysis of Whole Sediment Test Data. Environmental Science & Technology, 2014, 48, 12344-12353.	4.6	18
107	Equilibrium and kinetic modeling of contaminant immobilization by activated carbon amended to sediments in the field. Water Research, 2014, 67, 96-104.	5.3	17
108	Limited Reversibility of Bioconcentration of Hydrophobic Organic Chemicals in Phytoplankton. Environmental Science & Technology, 2014, 48, 7341-7348.	4.6	21

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109	Rapid settling of nanoparticles due to heteroaggregation with suspended sediment. Environmental Toxicology and Chemistry, 2014, 33, 1766-1773.	2.2	86
110	Explaining PAH desorption from sediments using Rock Eval analysis. Environmental Pollution, 2014, 193, 247-253.	3.7	32
111	Multimedia Modeling of Engineered Nanoparticles with SimpleBox4nano: Model Definition and Evaluation. Environmental Science & Technology, 2014, 48, 5726-5736.	4.6	169
112	Strong Sorption of PCBs to Nanoplastics, Microplastics, Carbon Nanotubes, and Fullerenes. Environmental Science & Technology, 2014, 48, 4869-4876.	4.6	716
113	Simplifying modeling of nanoparticle aggregationâ€“sedimentation behavior in environmental systems: A theoretical analysis. Water Research, 2014, 62, 193-201.	5.3	72
114	Analysis of organic contaminant desorption kinetic data for sediments and soils: Implications for the Tenax extraction time for the determination of bioavailable concentrations. Science of the Total Environment, 2014, 490, 235-238.	3.9	17
115	Effects of Microplastic on Fitness and PCB Bioaccumulation by the Lugworm Arenicola marina (L.). Environmental Science & Technology, 2013, 47, 593-600.	4.6	797
116	Extraction of sedimentâ€associated polycyclic aromatic hydrocarbons with granular activated carbon. Environmental Toxicology and Chemistry, 2013, 32, 304-311.	2.2	26
117	Sorption of perfluorooctane sulfonate to carbon nanotubes in aquatic sediments. Chemosphere, 2013, 90, 1631-1636.	4.2	57
118	Multiwalled Carbon Nanotubes at Environmentally Relevant Concentrations Affect the Composition of Benthic Communities. Environmental Science & Technology, 2013, 47, 7475-7482.	4.6	27
119	Bioturbation and Dissolved Organic Matter Enhance Contaminant Fluxes from Sediment Treated with Powdered and Granular Activated Carbon. Environmental Science & Technology, 2013, 47, 5092-5100.	4.6	43
120	Plastic in North Sea Fish. Environmental Science & Technology, 2013, 47, 8818-8824.	4.6	738
121	In situ Treatment with Activated Carbon Reduces Bioaccumulation in Aquatic Food Chains. Environmental Science & Technology, 2013, 47, 4563-4571.	4.6	47
122	Plastic as a Carrier of POPs to Aquatic Organisms: A Model Analysis. Environmental Science & Technology, 2013, 47, 7812-7820.	4.6	415
123	Modeling Trade-off between PAH Toxicity Reduction and Negative Effects of Sorbent Amendments to Contaminated Sediments. Environmental Science & Technology, 2012, 46, 4975-4984.	4.6	16
124	Long-Term Recovery of Benthic Communities in Sediments Amended with Activated Carbon. Environmental Science & Technology, 2012, 46, 10735-10742.	4.6	30
125	Effects of nanopolystyrene on the feeding behavior of the blue mussel (Mytilus edulis L.). Environmental Toxicology and Chemistry, 2012, 31, 2490-2497.	2.2	435
126	Nonequilibrium of Organic Compounds in Sedimentâ€“Water Systems. Consequences for Risk Assessment and Remediation Measures. Environmental Science & Technology, 2012, 46, 10900-10908.	4.6	22

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127	In situ remediation of contaminated sediments using carbonaceous materials. Environmental Toxicology and Chemistry, 2012, 31, 693-704.	2.2	97
128	In situ sorption of hydrophobic organic compounds to sediment amended with activated carbon. Environmental Pollution, 2012, 161, 23-29.	3.7	26
129	Ecotoxicity test methods for engineered nanomaterials: Practical experiences and recommendations from the bench. Environmental Toxicology and Chemistry, 2012, 31, 15-31.	2.2	273
130	Analysis of engineered nanomaterials in complex matrices (environment and biota): General considerations and conceptual case studies. Environmental Toxicology and Chemistry, 2012, 31, 32-49.	2.2	390
131	Potential scenarios for nanomaterial release and subsequent alteration in the environment. Environmental Toxicology and Chemistry, 2012, 31, 50-59.	2.2	498
132	Paradigms to assess the environmental impact of manufactured nanomaterials. Environmental Toxicology and Chemistry, 2012, 31, 3-14.	2.2	294
133	Explaining differences between bioaccumulation measurements in laboratory and field data through use of a probabilistic modeling approach. Integrated Environmental Assessment and Management, 2012, 8, 42-63.	1.6	57
134	Ecotoxicological Effects of Activated Carbon Amendments on Macroinvertebrates in Nonpolluted and Polluted Sediments. Environmental Science & Technology, 2011, 45, 8567-8574.	4.6	73
135	Community effects of carbon nanotubes in aquatic sediments. Environment International, 2011, 37, 1126-1130.	4.8	32
136	Effects of black carbon on bioturbation-induced benthic fluxes of polychlorinated biphenyls. Chemosphere, 2011, 84, 1150-1157.	4.2	22
137	Quantifying seasonal export and retention of nutrients in West European lowland rivers at catchment scale. Hydrological Processes, 2011, 25, 2102-2111.	1.1	44
138	Modeling polychlorinated biphenyl sorption isotherms for soot and coal. Environmental Pollution, 2010, 158, 2672-2678.	3.7	26
139	Distribution of Perfluorinated Compounds in Aquatic Systems in The Netherlands. Environmental Science & Technology, 2010, 44, 3746-3751.	4.6	189
140	Estimation of In Situ Sediment-to-Water Fluxes of Polycyclic Aromatic Hydrocarbons, Polychlorobiphenyls and Polybrominated Diphenylethers. Environmental Science & Technology, 2010, 44, 3014-3020.	4.6	45
141	Black Carbon Inclusive Multichemical Modeling of PBDE and PCB Biomagnification and -Transformation in Estuarine Food Webs. Environmental Science & Technology, 2010, 44, 7548-7554.	4.6	17
142	Impacts of manipulated regime shifts in shallow lake model ecosystems on the fate of hydrophobic organic compounds. Water Research, 2010, 44, 6153-6163.	5.3	19
143	Quantification methods of Black Carbon: Comparison of Rock-Eval analysis with traditional methods. Journal of Chromatography A, 2009, 1216, 613-622.	1.8	66
144	A kinetic approach to evaluate the association of acid volatile sulfide and simultaneously extracted metals in aquatic sediments. Environmental Toxicology and Chemistry, 2009, 28, 711-717.	2.2	14

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145	Attenuation of Polychlorinated Biphenyl Sorption to Charcoal by Humic Acids. Environmental Science & Technology, 2009, 43, 736-742.	4.6	86
146	Triple Domain in Situ Sorption Modeling of Organochlorine Pesticides, Polychlorobiphenyls, Polyaromatic Hydrocarbons, Polychlorinated Dibenzo-p-Dioxins, and Polychlorinated Dibenzofurans in Aquatic Sediments. Environmental Science & Technology, 2009, 43, 8847-8853.	4.6	22
147	Comparison of manufactured and black carbon nanoparticle concentrations in aquatic sediments. Environmental Pollution, 2009, 157, 1110-1116.	3.7	106
148	Evaluation of Bioaccumulation Using In Vivo Laboratory and Field Studies. Integrated Environmental Assessment and Management, 2009, 5, 598-623.	1.6	81
149	How do long-term development and periodical changes of riverâ€“floodplain systems affect the fate of contaminants? Results from European rivers. Environmental Pollution, 2009, 157, 3336-3346.	3.7	70
150	Ecological effects of diffuse mixed pollution are site-specific and require higher-tier risk assessment to improve site management decisions: A discussion paper. Science of the Total Environment, 2008, 406, 503-517.	3.9	42
151	Interactions between nutrients and organic micro-pollutants in shallow freshwater model ecosystems. Science of the Total Environment, 2008, 406, 436-442.	3.9	19
152	Sampling method, storage and pretreatment of sediment affect AVS concentrations with consequences for bioassay responses. Environmental Pollution, 2008, 151, 243-251.	3.7	31
153	Effects of flow regime and flooding on heavy metal availability in sediment and soil of a dynamic river system. Environmental Pollution, 2007, 148, 779-787.	3.7	42
154	Including Sorption to Black Carbon in Modeling Bioaccumulation of Polycyclic Aromatic Hydrocarbons:Â Uncertainty Analysis and Comparison to Field Data. Environmental Science & Technology, 2007, 41, 2738-2744.	4.6	37
155	Modeling Decreased Food Chain Accumulation of PAHs Due to Strong Sorption to Carbonaceous Materials and Metabolic Transformation. Environmental Science & Technology, 2007, 41, 6185-6191.	4.6	29
156	IMPACT OF POLYCHLORINATED BIPHENYL AND POLYCYCLIC AROMATIC HYDROCARBON SEQUESTRATION IN SEDIMENT ON BIOACCUMULATION IN AQUATIC FOOD WEBS. Environmental Toxicology and Chemistry, 2007, 26, 607.	2.2	36
157	Black carbon: The reverse of its dark side. Chemosphere, 2006, 63, 365-377.	4.2	452
158	Temporal dynamics of AVS and SEM in sediment of shallow freshwater floodplain lakes. Applied Geochemistry, 2006, 21, 632-642.	1.4	47
159	Sorption of organic compounds to activated carbons. Evaluation of isotherm models. Chemosphere, 2006, 65, 2343-2351.	4.2	58
160	Habitat selection by chironomid larvae: fast growth requires fast food. Journal of Animal Ecology, 2006, 75, 148-155.	1.3	63
161	WEATHERING AND TOXICITY OF MARINE SEDIMENTS CONTAMINATED WITH OILS AND POLYCYCLIC AROMATIC HYDROCARBONS. Environmental Toxicology and Chemistry, 2006, 25, 1345.	2.2	63
162	DYNAMIC MODELING OF FOOD-CHAIN ACCUMULATION OF BROMINATED FLAME RETARDANTS IN FISH FROM THE EBRO RIVER BASIN, SPAIN. Environmental Toxicology and Chemistry, 2006, 25, 2553.	2.2	33

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163	Impact of triphenyltin acetate in microcosms simulating floodplain lakes. I. Influence of sediment quality. Ecotoxicology, 2006, 15, 267-293.	1.1	30
164	INFLUENCE OF SEDIMENT QUALITY ON THE RESPONSES OF BENTHIC INVERTEBRATES AFTER TREATMENT WITH THE FUNGICIDE TRIPHENYLTIN ACETATE. Environmental Toxicology and Chemistry, 2005, 24, 1133.	2.2	9
165	The impact of sediment reworking by opportunistic chironomids on specialised mayflies. Freshwater Biology, 2005, 50, 770-780.	1.2	23
166	Black Carbon and Ecological Factors Affect In Situ Biota to Sediment Accumulation Factors for Hydrophobic Organic Compounds in Flood Plain Lakes. Environmental Science & Technology, 2005, 39, 3101-3109.	4.6	92
167	Extremely Slowly Desorbing Polycyclic Aromatic Hydrocarbons from Soot and Soot-like Materials:â€‰ Evidence by Supercritical Fluid Extraction. Environmental Science & Technology, 2005, 39, 7889-7895.	4.6	109
168	Response to Comment on â€œModeling Maximum Adsorption Capacities of Soot and Soot-like Materials for PAHs and PCBsâ€. Environmental Science & Technology, 2005, 39, 383-384.	4.6	6
169	Temporal variation of trace metal geochemistry in floodplain lake sediment subject to dynamic hydrological conditions. Environmental Pollution, 2005, 137, 281-294.	3.7	39
170	Extensive Sorption of Organic Compounds to Black Carbon, Coal, and Kerogen in Sediments and Soils:Â Mechanisms and Consequences for Distribution, Bioaccumulation, and Biodegradation. Environmental Science & Technology, 2005, 39, 6881-6895.	4.6	1,235
171	TRACE METAL AVAILABILITY AND EFFECTS ON BENTHIC COMMUNITY STRUCTURE IN FLOODPLAIN LAKES. Environmental Toxicology and Chemistry, 2004, 23, 668.	2.2	42
172	EFFECTS OF SEDIMENTARY SOOTLIKE MATERIALS ON BIOACCUMULATION AND SORPTION OF POLYCHLORINATED BIPHENYLS. Environmental Toxicology and Chemistry, 2004, 23, 2563.	2.2	124
173	Uptake of Sediment-Bound Bioavailable Polychlorobiphenyls by Benthivorous Carp (Cyprinus carpio). Environmental Science & Technology, 2004, 38, 4503-4509.	4.6	56
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175	Modeling Maximum Adsorption Capacities of Soot and Soot-like Materials for PAHs and PCBs. Environmental Science & Technology, 2004, 38, 3305-3309.	4.6	54
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