

Microplastics in freshwater systems: A review of the em knowledge gaps and prioritisation of research needs

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Responses of <i>Hyalella azteca</i> to acute and chronic microplastic exposures. Environmental Toxicology and Chemistry, 2015, 34, 2564-2572.	2.2	452
4	Plastic Degrading Microorganisms as a Tool for Bioremediation of Plastic Contamination in Aquatic Environments. Journal of Pollution Effects & Control, 2015, 03, .	0.1	53
5	Identification and Quantification of Microplastics in Wastewater Using Focal Plane Array-Based Reflectance Micro-FT-IR Imaging. Analytical Chemistry, 2015, 87, 6032-6040.	3.2	467
7	Characterisation, quantity and sorptive properties of microplastics extracted from cosmetics. Marine Pollution Bulletin, 2015, 99, 178-185.	2.3	635
8	Microplastics in the marine environment: Current trends and future perspectives. Marine Pollution Bulletin, 2015, 97, 5-12.	2.3	264
9	Microplastic in three urban estuaries, China. Environmental Pollution, 2015, 206, 597-604.	3.7	525
10	Nano-plastics in the aquatic environment. Environmental Sciences: Processes and Impacts, 2015, 17, 1712-1721.	1.7	353
11	Microplastics in the Ocean. Archives of Environmental Contamination and Toxicology, 2015, 69, 265-268.	2.1	142
12	Microplastics in coastal and marine environments of the western tropical and sub-tropical Atlantic Ocean. Environmental Sciences: Processes and Impacts, 2015, 17, 1868-1879.	1.7	56
13	Ingestion of Nanoplastics and Microplastics by Pacific Oyster Larvae. Environmental Science & Technology, 2015, 49, 14625-14632.	4.6	453
14	Microplastics in Taihu Lake, China. Environmental Pollution, 2016, 216, 711-719.	3.7	807
15	Microplastics as vectors for bioaccumulation of hydrophobic organic chemicals in the marine environment: A state-of-the-science review. Environmental Toxicology and Chemistry, 2016, 35, 1667-1676.	2.2	369
16	Release of primary microplastics from consumer products to wastewater in the Netherlands. Environmental Toxicology and Chemistry, 2016, 35, 1627-1631.	2.2	125
17	Microplastics profile along the Rhine River. Scientific Reports, 2016, 5, 17988.	1.6	670
18	Wastewater treatment plant effluent as a source of microplastics: review of the fate, chemical interactions and potential risks to aquatic organisms. Water Science and Technology, 2016, 74, 2253-2269.	1.2	238
19	Fate of microplastics and other small anthropogenic litter (SAL) in wastewater treatment plants depends on unit processes employed. Environmental Science: Water Research and Technology, 2016, 2, 1064-1073.	1.2	198
20	(Nano)plastics in the environment – Sources, fates and effects. Science of the Total Environment, 2016, 566-567, 15-26.	3.9	725
21	Microbial hitchhikers on marine plastic debris: Human exposure risks at bathing waters and beach environments. Marine Environmental Research, 2016, 118, 10-19.	1.1	259

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22	Pigments and plastic in limnetic ecosystems: A qualitative and quantitative study on microparticles of different size classes. <i>Water Research</i> , 2016, 98, 64-74.	5.3	359
23	Microplastic pollution in lakes and lake shoreline sediments – A case study on Lake Bolsena and Lake Chiusi (central Italy). <i>Environmental Pollution</i> , 2016, 213, 648-657.	3.7	433
24	Microplastic pollution is widely detected in US municipal wastewater treatment plant effluent. <i>Environmental Pollution</i> , 2016, 218, 1045-1054.	3.7	763
25	Release of synthetic microplastic plastic fibres from domestic washing machines: Effects of fabric type and washing conditions. <i>Marine Pollution Bulletin</i> , 2016, 112, 39-45.	2.3	977
26	Microfiber Masses Recovered from Conventional Machine Washing of New or Aged Garments. <i>Environmental Science & Technology</i> , 2016, 50, 11532-11538.	4.6	305
27	Sources and sinks of plastic debris in estuaries: A conceptual model integrating biological, physical and chemical distribution mechanisms. <i>Marine Pollution Bulletin</i> , 2016, 113, 7-16.	2.3	147
28	Sources, Distribution, and Fate of Microscopic Plastics in Marine Environments. <i>Handbook of Environmental Chemistry</i> , 2016, , 121-133.	0.2	13
29	Effects of Pollution on Freshwater Organisms. <i>Water Environment Research</i> , 2016, 88, 1672-1692.	1.3	2
30	Integrated Plastic Waste Management: Environmental and Improved Health Approaches. <i>Procedia Environmental Sciences</i> , 2016, 35, 692-700.	1.3	153
31	Influence of wastewater treatment plant discharges on microplastic concentrations in surface water. <i>Chemosphere</i> , 2016, 162, 277-284.	4.2	293
32	Plastics and microplastics on recreational beaches in Punta del Este (Uruguay): Unseen critical residents?. <i>Environmental Pollution</i> , 2016, 218, 931-941.	3.7	93
33	Microplastics affect assimilation efficiency in the freshwater amphipod <i>Gammarus fossarum</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 23522-23532.	2.7	182
34	Uptake, accumulation and elimination of polystyrene microspheres in tadpoles of <i>Xenopus tropicalis</i> . <i>Chemosphere</i> , 2016, 164, 611-617.	4.2	112
35	Standardized methods are required to assess and manage microplastic contamination of the Great Lakes system. <i>Journal of Great Lakes Research</i> , 2016, 42, 921-925.	0.8	19
36	Microplastics in aquatic environments: Implications for Canadian ecosystems. <i>Environmental Pollution</i> , 2016, 218, 269-280.	3.7	396
37	Hazardous or not – Are adult and juvenile individuals of <i>Potamopyrgus antipodarum</i> affected by non-buoyant microplastic particles?. <i>Environmental Pollution</i> , 2016, 218, 383-391.	3.7	81
38	Effects of nanoplastics and microplastics on toxicity, bioaccumulation, and environmental fate of phenanthrene in fresh water. <i>Environmental Pollution</i> , 2016, 219, 166-173.	3.7	463
39	Substratum-Associated Microbiota. <i>Water Environment Research</i> , 2016, 88, 1637-1671.	1.3	7

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40	Uptake and effects of microplastic textile fibers on freshwater crustacean <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2016, 219, 201-209.	3.7	419
41	Microplastic Ingestion by Wild and Cultured Manila Clams (<i>Venerupis philippinarum</i>) from Baynes Sound, British Columbia. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 71, 147-156.	2.1	227
42	Pelagic plastic pollution within the surface waters of Lake Michigan, USA. <i>Journal of Great Lakes Research</i> , 2016, 42, 753-759.	0.8	92
43	Sources and sinks of microplastics in Canadian Lake Ontario nearshore, tributary and beach sediments. <i>Marine Pollution Bulletin</i> , 2016, 110, 383-395.	2.3	486
44	Transfer of benzo[<i>a</i>]pyrene from microplastics to <i>Artemia</i> nauplii and further to zebrafish via a trophic food web experiment: CYP1A induction and visual tracking of persistent organic pollutants. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1656-1666.	2.2	450
45	Low-Volatility Model Demonstrates Humidity Affects Environmental Toxin Deposition on Plastics at a Molecular Level. <i>Environmental Science & Technology</i> , 2016, 50, 1304-1312.	4.6	12
46	The geological cycle of plastics and their use as a stratigraphic indicator of the Anthropocene. <i>Anthropocene</i> , 2016, 13, 4-17.	1.6	622
47	Microscopic anthropogenic litter in terrestrial birds from Shanghai, China: Not only plastics but also natural fibers. <i>Science of the Total Environment</i> , 2016, 550, 1110-1115.	3.9	265
48	Short-term exposure with high concentrations of pristine microplastic particles leads to immobilisation of <i>Daphnia magna</i> . <i>Chemosphere</i> , 2016, 153, 91-99.	4.2	367
49	Urbanization is a major influence on microplastic ingestion by sunfish in the Brazos River Basin, Central Texas, USA. <i>Environmental Pollution</i> , 2016, 210, 380-387.	3.7	318
50	The influence of cosmetic microbeads on the sorptive behavior of cadmium and lead within intertidal sediments: A laboratory study. <i>Regional Studies in Marine Science</i> , 2016, 3, 1-7.	0.4	32
51	Microplastics in the aquatic and terrestrial environment: sources (with a specific focus on personal) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	1,061
52	Wastewater treatment plants as a pathway for microplastics: Development of a new approach to sample wastewater-based microplastics. <i>Water Research</i> , 2017, 112, 93-99.	5.3	849
53	Microplastics en route: Field measurements in the Dutch river delta and Amsterdam canals, wastewater treatment plants, North Sea sediments and biota. <i>Environment International</i> , 2017, 101, 133-142.	4.8	792
54	Microplastics in freshwater and terrestrial environments: Evaluating the current understanding to identify the knowledge gaps and future research priorities. <i>Science of the Total Environment</i> , 2017, 586, 127-141.	3.9	2,188
55	Microplastic Exposure Assessment in Aquatic Environments: Learning from Similarities and Differences to Engineered Nanoparticles. <i>Environmental Science & Technology</i> , 2017, 51, 2499-2507.	4.6	146
56	Biomarker responses in zebrafish (<i>Danio rerio</i>) larvae exposed to pristine low-density polyethylene fragments. <i>Environmental Pollution</i> , 2017, 223, 466-475.	3.7	114
57	International policies to reduce plastic marine pollution from single-use plastics (plastic bags and) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	780

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58	Widespread microplastic ingestion by fish assemblages in tropical estuaries subjected to anthropogenic pressures. <i>Marine Pollution Bulletin</i> , 2017, 117, 448-455.	2.3	211
59	Quantitative investigation of the mechanisms of microplastics and nanoplastics toward zebrafish larvae locomotor activity. <i>Science of the Total Environment</i> , 2017, 584-585, 1022-1031.	3.9	481
61	Microbeads in Commercial Facial Cleansers: Threatening the Environment. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600683.	0.7	37
62	River ecosystem processes: A synthesis of approaches, criteria of use and sensitivity to environmental stressors. <i>Science of the Total Environment</i> , 2017, 596-597, 465-480.	3.9	102
63	Tissue accumulation of microplastics in mice and biomarker responses suggest widespread health risks of exposure. <i>Scientific Reports</i> , 2017, 7, 46687.	1.6	605
64	Marine and freshwater microplastic research in South Africa. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 533-535.	1.6	29
65	Determining global distribution of microplastics by combining citizen science and in-depth case studies. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 536-541.	1.6	36
66	Development of an optimal filter substrate for the identification of small microplastic particles in food by micro-Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4099-4109.	1.9	93
67	Microplastics as vectors for environmental contaminants: Exploring sorption, desorption, and transfer to biota. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 488-493.	1.6	443
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69	Trophic transfer of microplastics does not affect fish personality. <i>Animal Behaviour</i> , 2017, 123, 159-167.	0.8	110
70	Microplastics ingestion by a common tropical freshwater fishing resource. <i>Environmental Pollution</i> , 2017, 221, 218-226.	3.7	252
71	Fenton's reagent for the rapid and efficient isolation of microplastics from wastewater. <i>Chemical Communications</i> , 2017, 53, 372-375.	2.2	252
72	Are There Nanoplastics in Your Personal Care Products?. <i>Environmental Science and Technology Letters</i> , 2017, 4, 280-285.	3.9	452
73	Longitudinal patterns of microplastic concentration and bacterial assemblages in surface and benthic habitats of an urban river. <i>Freshwater Science</i> , 2017, 36, 491-507.	0.9	130
74	Finding the missing piece of the aquatic plastic pollution puzzle: Interaction between primary producers and microplastics. <i>Limnology and Oceanography Letters</i> , 2017, 2, 91-104.	1.6	181
75	Plastic and Human Health: A Micro Issue?. <i>Environmental Science & Technology</i> , 2017, 51, 6634-6647.	4.6	1,734
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78	How do land-use legacies affect ecosystem services in United States cultural landscapes?. <i>Landscape Ecology</i> , 2017, 32, 2205-2218.	1.9	44
79	Microplastic contamination in Lake Winnipeg, Canada. <i>Environmental Pollution</i> , 2017, 225, 223-231.	3.7	306
80	Plastic Bag Derived-Microplastics as a Vector for Metal Exposure in Terrestrial Invertebrates. <i>Environmental Science & Technology</i> , 2017, 51, 4714-4721.	4.6	519
81	Distribution and importance of microplastics in the marine environment: A review of the sources, fate, effects, and potential solutions. <i>Environment International</i> , 2017, 102, 165-176.	4.8	1,633
82	Occurrence and Characteristics of Microplastic Pollution in Xiangxi Bay of Three Gorges Reservoir, China. <i>Environmental Science & Technology</i> , 2017, 51, 3794-3801.	4.6	393
83	Microplastic pollution in Vembanad Lake, Kerala, India: The first report of microplastics in lake and estuarine sediments in India. <i>Environmental Pollution</i> , 2017, 222, 315-322.	3.7	366
84	Microplastics in the surface sediments from the Beijiang River littoral zone: Composition, abundance, surface textures and interaction with heavy metals. <i>Chemosphere</i> , 2017, 171, 248-258.	4.2	567
85	Microplastics in Sewage Sludge: Effects of Treatment. <i>Environmental Science & Technology</i> , 2017, 51, 810-818.	4.6	687
86	Screening of <i>Bacillus</i> strains isolated from mangrove ecosystems in Peninsular Malaysia for microplastic degradation. <i>Environmental Pollution</i> , 2017, 231, 1552-1559.	3.7	332
87	Bisphenol A disrupts the temporal pattern of histofunctional changes in the female reproductive tract of <i>Caiman latirostris</i> . <i>General and Comparative Endocrinology</i> , 2017, 254, 75-85.	0.8	9
88	Transport of microplastics in coastal seas. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 199, 74-86.	0.9	457
89	Ingestion and Egestion of Microplastics by the Cladoceran <i>Daphnia magna</i> : Effects of Regular and Irregular Shaped Plastic and Sorbed Phenanthrene. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 655-661.	1.3	175
90	Asymmetrical flow field flow fractionation methods to characterize submicron particles: application to carbon-based aggregates and nanoplastics. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6761-6769.	1.9	93
91	Export of Plastic Debris by Rivers into the Sea. <i>Environmental Science & Technology</i> , 2017, 51, 12246-12253.	4.6	881
92	Mixture Toxicity of Nickel and Microplastics with Different Functional Groups on <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2017, 51, 12852-12858.	4.6	216
93	Plastic pollution in freshwater ecosystems: macro-, meso-, and microplastic debris in a floodplain lake. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 581.	1.3	201
94	Wastewater treatment plant effluents as source of cosmetic polyethylene microbeads to freshwater. <i>Chemosphere</i> , 2017, 188, 25-31.	4.2	205

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96	Microplastics alter composition of fungal communities in aquatic ecosystems. <i>Environmental Microbiology</i> , 2017, 19, 4447-4459.	1.8	182
97	Impact of polyethylene microbeads on the floating freshwater plant duckweed <i>Lemna minor</i> . <i>Environmental Pollution</i> , 2017, 230, 1108-1115.	3.7	279
98	Enhanced uptake of BPA in the presence of nanoplastics can lead to neurotoxic effects in adult zebrafish. <i>Science of the Total Environment</i> , 2017, 609, 1312-1321.	3.9	329
99	Contaminant release from aged microplastic. <i>Environmental Chemistry</i> , 2017, 14, 394.	0.7	176
100	Feeding type and development drive the ingestion of microplastics by freshwater invertebrates. <i>Scientific Reports</i> , 2017, 7, 17006.	1.6	282
101	Difference in environmental degradability between poly(ethylene succinate) and poly(3-hydroxybutyrate). <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	14
102	Nanoplastic in the North Atlantic Subtropical Gyre. <i>Environmental Science & Technology</i> , 2017, 51, 13689-13697.	4.6	581
103	Brood pouch-mediated polystyrene nanoparticle uptake during <i>Daphnia magna</i> embryogenesis. <i>Nanotoxicology</i> , 2017, 11, 1059-1069.	1.6	60
104	Enzymatic Purification of Microplastics in Environmental Samples. <i>Environmental Science & Technology</i> , 2017, 51, 14283-14292.	4.6	338
105	Micro- and Nanoplastic Pollution of Freshwater and Wastewater Treatment Systems. <i>Springer Science Reviews</i> , 2017, 5, 19-30.	1.3	102
106	Foraging preferences influence microplastic ingestion by six marine fish species from the Texas Gulf Coast. <i>Marine Pollution Bulletin</i> , 2017, 124, 82-88.	2.3	127
107	Microplastics effects in <i>Scrobicularia plana</i> . <i>Marine Pollution Bulletin</i> , 2017, 122, 379-391.	2.3	344
108	Heat and Bleach: A Cost-Efficient Method for Extracting Microplastics from Return Activated Sludge. <i>Archives of Environmental Contamination and Toxicology</i> , 2017, 73, 641-648.	2.1	90
109	Release of polyester and cotton fibers from textiles in machine washings. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19313-19321.	2.7	170
110	Lack of evidence for microplastic contamination in honey. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 1982-1989.	1.1	81
111	Fate of nano- and microplastic in freshwater systems: A modeling study. <i>Environmental Pollution</i> , 2017, 220, 540-548.	3.7	601
112	Sampling, isolating and identifying microplastics ingested by fish and invertebrates. <i>Analytical Methods</i> , 2017, 9, 1346-1360.	1.3	691

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113	Identification of microplastic in effluents of waste water treatment plants using focal plane array-based micro-Fourier-transform infrared imaging. <i>Water Research</i> , 2017, 108, 365-372.	5.3	1,002
114	Textiles and Clothing Sustainability. <i>Textile Science and Clothing Technology</i> , 2017, , .	0.4	7
115	Will Clothing Be Sustainable? Clarifying Sustainable Fashion. <i>Textile Science and Clothing Technology</i> , 2017, , 1-45.	0.4	9
116	Microplastic in Aquatic Ecosystems. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1720-1739.	7.2	554
117	Plastic litter in sediments from the Croatian marine protected area of the natural park of Telašćica bay (Adriatic Sea). <i>Marine Pollution Bulletin</i> , 2017, 114, 583-586.	2.3	121
118	Microplastics pollution in inland freshwaters of China: A case study in urban surface waters of Wuhan, China. <i>Science of the Total Environment</i> , 2017, 575, 1369-1374.	3.9	701
119	Determination of the gut retention of plastic microbeads and microfibers in goldfish (<i>Carassius auratus</i>). <i>Environmental Pollution</i> , 2017, 220, 150-158.	4.2	225
120	Mikroplastik in aquatischen Ökosystemen. <i>Angewandte Chemie</i> , 2017, 129, 1744-1764.	1.6	17
121	Differential bioavailability of polychlorinated biphenyls associated with environmental particles: Microplastic in comparison to wood, coal and biochar. <i>Environmental Pollution</i> , 2017, 220, 150-158.	3.7	158
122	Solutions for global marine litter pollution. <i>Current Opinion in Environmental Sustainability</i> , 2017, 28, 90-99.	3.1	235
123	BASIC STUDY FOR SURVEYING METHOD AND DISTRIBUTION OF MICROPLASTICS IN JAPANESE RIVERS. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2017, 73, 1_1225-1_1230.	0.0	0
124	Synthesis of Multi-Walled Carbon Nanotubes from Plastic Waste Using a Stainless-Steel CVD Reactor as Catalyst. <i>Nanomaterials</i> , 2017, 7, 284.	1.9	36
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126	Wear and Tear of Tyres: A Stealthy Source of Microplastics in the Environment. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1265.	1.2	698
127	Distribution and Modeled Transport of Plastic Pollution in the Great Lakes, the World's Largest Freshwater Resource. <i>Frontiers in Environmental Science</i> , 2017, 5, .	1.5	100
129	The Problem of Marine Plastic Debris. , 2017, , 1-55.		12
130	Genome Structure of <i>Bacillus cereus</i> tsu1 and Genes Involved in Cellulose Degradation and Poly-3-Hydroxybutyrate Synthesis. <i>International Journal of Polymer Science</i> , 2017, 2017, 1-12.	1.2	7
131	Vermicompost derived from spent coffee grounds: assessing the potential for enzymatic bioremediation. , 2017, , 369-398.		10

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132	Direct and indirect effects of different types of microplastics on freshwater prey (Corbicula) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 742 T	1.1	108
133	Do microplastic particles affect <i>Daphnia magna</i> at the morphological, life history and molecular level?. PLoS ONE, 2017, 12, e0187590.	1.1	147
134	Effectiveness of a methodology of microplastics isolation for environmental monitoring in freshwater systems. Ecological Indicators, 2018, 89, 488-495.	2.6	78
135	Observation of the degradation of three types of plastic pellets exposed to UV irradiation in three different environments. Science of the Total Environment, 2018, 628-629, 740-747.	3.9	323
136	Microplastics in oysters <i>Saccostrea cucullata</i> along the Pearl River Estuary, China. Environmental Pollution, 2018, 236, 619-625.	3.7	235
137	Microplastic accumulation patterns and transfer of benzo[a]pyrene to adult zebrafish (<i>Danio rerio</i>) gills and zebrafish embryos. Environmental Pollution, 2018, 235, 918-930.	3.7	194
138	Accumulation, tissue distribution, and biochemical effects of polystyrene microplastics in the freshwater fish red tilapia (<i>Oreochromis niloticus</i>). Environmental Pollution, 2018, 238, 1-9.	3.7	470
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142	Advancement and Challenges of Microplastic Pollution in the Aquatic Environment: a Review. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	56
143	Microplastic ingestion by <i>Daphnia magna</i> and its enhancement on algal growth. Science of the Total Environment, 2018, 633, 500-507.	3.9	277
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148	Role of extracellular polymeric substances in the acute inhibition of activated sludge by polystyrene nanoparticles. Environmental Pollution, 2018, 238, 859-865.	3.7	105
150	Toxicological interactions induced by chronic exposure to gold nanoparticles and microplastics mixtures in <i>Daphnia magna</i> . Science of the Total Environment, 2018, 628-629, 474-483.	3.9	114

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151	Microplastic in two South Carolina Estuaries: Occurrence, distribution, and composition. <i>Marine Pollution Bulletin</i> , 2018, 128, 223-233.	2.3	237
152	Microplastic Effect Thresholds for Freshwater Benthic Macroinvertebrates. <i>Environmental Science & Technology</i> , 2018, 52, 2278-2286.	4.6	240
153	Microplastic Abundance and Composition in Western Lake Superior As Determined via Microscopy, Pyr-GC/MS, and FTIR. <i>Environmental Science & Technology</i> , 2018, 52, 1787-1796.	4.6	277
154	Microplastics in Inland African Waters: Presence, Sources, and Fate. <i>Handbook of Environmental Chemistry</i> , 2018, , 101-124.	0.2	22
155	Micro-plastic ingestion by waterbirds from contaminated wetlands in South Africa. <i>Marine Pollution Bulletin</i> , 2018, 126, 330-333.	2.3	139
156	An airborne remote sensing case study of synthetic hydrocarbon detection using short wave infrared absorption features identified from marine-harvested macro- and microplastics. <i>Remote Sensing of Environment</i> , 2018, 205, 224-235.	4.6	119
157	Microplastics in freshwater systems: A review on occurrence, environmental effects, and methods for microplastics detection. <i>Water Research</i> , 2018, 137, 362-374.	5.3	1,259
158	Microplastics have a more profound impact than elevated temperatures on the predatory performance, digestion and energy metabolism of an Amazonian cichlid. <i>Aquatic Toxicology</i> , 2018, 195, 67-76.	1.9	136
159	Exposure to polystyrene nanoplastic leads to inhibition of anaerobic digestion system. <i>Science of the Total Environment</i> , 2018, 625, 64-70.	3.9	150
160	Uptake and effects of the antimicrobial florfenicol, microplastics and their mixtures on freshwater exotic invasive bivalve <i>Corbicula fluminea</i> . <i>Science of the Total Environment</i> , 2018, 622-623, 1131-1142.	3.9	185
161	Microplastics and Nanoplastics in Aquatic Environments: Aggregation, Deposition, and Enhanced Contaminant Transport. <i>Environmental Science & Technology</i> , 2018, 52, 1704-1724.	4.6	1,560
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