

# Microplastics in freshwater systems: A review of the emerging 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.	4.3	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.	6.5	467
7	Characterisation, quantity and sorptive properties of microplastics extracted from cosmetics. Marine Pollution Bulletin, 2015, 99, 178-185.	5.0	635
8	Microplastics in the marine environment: Current trends and future perspectives. Marine Pollution Bulletin, 2015, 97, 5-12.	5.0	264
9	Microplastic in three urban estuaries, China. Environmental Pollution, 2015, 206, 597-604.	7.5	525
10	Nano-plastics in the aquatic environment. Environmental Sciences: Processes and Impacts, 2015, 17, 1712-1721.	3.5	353
11	Microplastics in the Ocean. Archives of Environmental Contamination and Toxicology, 2015, 69, 265-268.	4.1	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.	3.5	56
13	Ingestion of Nanoplastics and Microplastics by Pacific Oyster Larvae. Environmental Science & Technology, 2015, 49, 14625-14632.	10.0	453
14	Microplastics in Taihu Lake, China. Environmental Pollution, 2016, 216, 711-719.	7.5	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.	4.3	369
16	Release of primary microplastics from consumer products to wastewater in the Netherlands. Environmental Toxicology and Chemistry, 2016, 35, 1627-1631.	4.3	125
17	Microplastics profile along the Rhine River. Scientific Reports, 2016, 5, 17988.	3.3	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.	2.5	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.	2.4	198
20	(Nano)plastics in the environment – Sources, fates and effects. Science of the Total Environment, 2016, 566-567, 15-26.	8.0	725
21	Microbial hitchhikers on marine plastic debris: Human exposure risks at bathing waters and beach environments. Marine Environmental Research, 2016, 118, 10-19.	2.5	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.	11.3	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.	7.5	433
24	Microplastic pollution is widely detected in US municipal wastewater treatment plant effluent. <i>Environmental Pollution</i> , 2016, 218, 1045-1054.	7.5	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.	5.0	977
26	Microfiber Masses Recovered from Conventional Machine Washing of New or Aged Garments. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11532-11538.	10.0	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.	5.0	147
28	Sources, Distribution, and Fate of Microscopic Plastics in Marine Environments. <i>Handbook of Environmental Chemistry</i> , 2016, , 121-133.	0.4	13
29	Effects of Pollution on Freshwater Organisms. <i>Water Environment Research</i> , 2016, 88, 1672-1692.	2.7	2
30	Integrated Plastic Waste Management: Environmental and Improved Health Approaches. <i>Procedia Environmental Sciences</i> , 2016, 35, 692-700.	1.4	153
31	Influence of wastewater treatment plant discharges on microplastic concentrations in surface water. <i>Chemosphere</i> , 2016, 162, 277-284.	8.2	293
32	Plastics and microplastics on recreational beaches in Punta del Este (Uruguay): Unseen critical residents?. <i>Environmental Pollution</i> , 2016, 218, 931-941.	7.5	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.	5.3	182
34	Uptake, accumulation and elimination of polystyrene microspheres in tadpoles of <i>Xenopus tropicalis</i> . <i>Chemosphere</i> , 2016, 164, 611-617.	8.2	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.	1.9	19
36	Microplastics in aquatic environments: Implications for Canadian ecosystems. <i>Environmental Pollution</i> , 2016, 218, 269-280.	7.5	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.	7.5	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.	7.5	463
39	Substratum-Associated Microbiota. <i>Water Environment Research</i> , 2016, 88, 1637-1671.	2.7	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.	7.5	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.	4.1	227
42	Pelagic plastic pollution within the surface waters of Lake Michigan, USA. <i>Journal of Great Lakes Research</i> , 2016, 42, 753-759.	1.9	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.	5.0	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.	4.3	450
45	Low-Volatility Model Demonstrates Humidity Affects Environmental Toxin Deposition on Plastics at a Molecular Level. <i>Environmental Science &amp; Technology</i> , 2016, 50, 1304-1312.	10.0	12
46	The geological cycle of plastics and their use as a stratigraphic indicator of the Anthropocene. <i>Anthropocene</i> , 2016, 13, 4-17.	3.3	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.	8.0	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.	8.2	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.	7.5	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.	0.7	32
51	Microplastics in the aquatic and terrestrial environment: sources (with a specific focus on personal) Tj ETQq1 1 0.784314 rgBT /Overlock	5.5	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.	11.3	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.	10.0	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.	8.0	2,188
55	Microplastic Exposure Assessment in Aquatic Environments: Learning from Similarities and Differences to Engineered Nanoparticles. <i>Environmental Science &amp; Technology</i> , 2017, 51, 2499-2507.	10.0	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.	7.5	114
57	International policies to reduce plastic marine pollution from single-use plastics (plastic bags and) Tj ETQq1 1 0.784314 rgBT /Overlock	5.0	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.	5.0	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.	8.0	481
61	Microbeads in Commercial Facial Cleansers: Threatening the Environment. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600683.	1.1	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.	8.0	102
63	Tissue accumulation of microplastics in mice and biomarker responses suggest widespread health risks of exposure. <i>Scientific Reports</i> , 2017, 7, 46687.	3.3	605
64	Marine and freshwater microplastic research in South Africa. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 533-535.	2.9	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.	2.9	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.	3.7	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.	2.9	443
68	Current understanding of microplastics in the environment: Occurrence, fate, risks, and what we should do. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 476-482.	2.9	188
69	Trophic transfer of microplastics does not affect fish personality. <i>Animal Behaviour</i> , 2017, 123, 159-167.	1.9	110
70	Microplastics ingestion by a common tropical freshwater fishing resource. <i>Environmental Pollution</i> , 2017, 221, 218-226.	7.5	252
71	Fenton's reagent for the rapid and efficient isolation of microplastics from wastewater. <i>Chemical Communications</i> , 2017, 53, 372-375.	4.1	252
72	Are There Nanoplastics in Your Personal Care Products?. <i>Environmental Science and Technology Letters</i> , 2017, 4, 280-285.	8.7	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.	1.8	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.	3.9	181
75	Plastic and Human Health: A Micro Issue?. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6634-6647.	10.0	1,734
76	Polyester Textiles as a Source of Microplastics from Households: A Mechanistic Study to Understand Microfiber Release During Washing. <i>Environmental Science &amp; Technology</i> , 2017, 51, 7036-7046.	10.0	481

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77	Microplastics in the sediments of a UK urban lake. <i>Environmental Pollution</i> , 2017, 229, 10-18.	7.5	207
78	How do land-use legacies affect ecosystem services in United States cultural landscapes?. <i>Landscape Ecology</i> , 2017, 32, 2205-2218.	4.2	44
79	Microplastic contamination in Lake Winnipeg, Canada. <i>Environmental Pollution</i> , 2017, 225, 223-231.	7.5	306
80	Plastic Bag Derived-Microplastics as a Vector for Metal Exposure in Terrestrial Invertebrates. <i>Environmental Science &amp; Technology</i> , 2017, 51, 4714-4721.	10.0	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.	10.0	1,633
82	Occurrence and Characteristics of Microplastic Pollution in Xiangxi Bay of Three Gorges Reservoir, China. <i>Environmental Science &amp; Technology</i> , 2017, 51, 3794-3801.	10.0	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.	7.5	366
84	Microplastics in the surface sediments from the Beiji River littoral zone: Composition, abundance, surface textures and interaction with heavy metals. <i>Chemosphere</i> , 2017, 171, 248-258.	8.2	567
85	Microplastics in Sewage Sludge: Effects of Treatment. <i>Environmental Science &amp; Technology</i> , 2017, 51, 810-818.	10.0	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.	7.5	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.	1.8	9
88	Transport of microplastics in coastal seas. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 199, 74-86.	2.1	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.	2.7	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.	3.7	93
91	Export of Plastic Debris by Rivers into the Sea. <i>Environmental Science &amp; Technology</i> , 2017, 51, 12246-12253.	10.0	881
92	Mixture Toxicity of Nickel and Microplastics with Different Functional Groups on <i>Daphnia magna</i> . <i>Environmental Science &amp; Technology</i> , 2017, 51, 12852-12858.	10.0	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.	2.7	201
94	Wastewater treatment plant effluents as source of cosmetic polyethylene microbeads to freshwater. <i>Chemosphere</i> , 2017, 188, 25-31.	8.2	205

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95	Characteristic of microplastics in the atmospheric fallout from Dongguan city, China: preliminary research and first evidence. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24928-24935.	5.3	589
96	Microplastics alter composition of fungal communities in aquatic ecosystems. <i>Environmental Microbiology</i> , 2017, 19, 4447-4459.	3.8	182
97	Impact of polyethylene microbeads on the floating freshwater plant duckweed <i>Lemna minor</i> . <i>Environmental Pollution</i> , 2017, 230, 1108-1115.	7.5	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.	8.0	329
99	Contaminant release from aged microplastic. <i>Environmental Chemistry</i> , 2017, 14, 394.	1.5	176
100	Feeding type and development drive the ingestion of microplastics by freshwater invertebrates. <i>Scientific Reports</i> , 2017, 7, 17006.	3.3	282
101	Difference in environmental degradability between poly(ethylene succinate) and poly(3-hydroxybutyrate). <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	14
102	Nanoplastic in the North Atlantic Subtropical Gyre. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13689-13697.	10.0	581
103	Brood pouch-mediated polystyrene nanoparticle uptake during <i>Daphnia magna</i> embryogenesis. <i>Nanotoxicology</i> , 2017, 11, 1059-1069.	3.0	60
104	Enzymatic Purification of Microplastics in Environmental Samples. <i>Environmental Science &amp; Technology</i> , 2017, 51, 14283-14292.	10.0	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.	5.0	127
107	Microplastics effects in <i>Scrobicularia plana</i> . <i>Marine Pollution Bulletin</i> , 2017, 122, 379-391.	5.0	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.	4.1	90
109	Release of polyester and cotton fibers from textiles in machine washings. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19313-19321.	5.3	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.	2.3	81
111	Fate of nano- and microplastic in freshwater systems: A modeling study. <i>Environmental Pollution</i> , 2017, 220, 540-548.	7.5	601
112	Sampling, isolating and identifying microplastics ingested by fish and invertebrates. <i>Analytical Methods</i> , 2017, 9, 1346-1360.	2.7	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.	11.3	1,002
114	Textiles and Clothing Sustainability. <i>Textile Science and Clothing Technology</i> , 2017, , .	0.5	7
115	Will Clothing Be Sustainable? Clarifying Sustainable Fashion. <i>Textile Science and Clothing Technology</i> , 2017, , 1-45.	0.5	9
116	Microplastic in Aquatic Ecosystems. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1720-1739.	13.8	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.	5.0	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.	8.0	701
119	Determination of the gut retention of plastic microbeads and microfibers in goldfish ( <i>Carassius</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	8.2	225
120	Mikroplastik in aquatischen Ökosystemen. <i>Angewandte Chemie</i> , 2017, 129, 1744-1764.	2.0	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.	7.5	158
122	Solutions for global marine litter pollution. <i>Current Opinion in Environmental Sustainability</i> , 2017, 28, 90-99.	6.3	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, I_1225-I_1230.	0.1	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.	4.1	36
125	Water Pollution Control Technologies. , 2017, , 3-22.		9
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.	2.6	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, .	3.3	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.	2.7	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	2.5	108
133	Do microplastic particles affect Daphnia magna at the morphological, life history and molecular level?. PLoS ONE, 2017, 12, e0187590.	2.5	147
134	Effectiveness of a methodology of microplastics isolation for environmental monitoring in freshwater systems. Ecological Indicators, 2018, 89, 488-495.	6.3	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.	8.0	323
136	Microplastics in oysters Saccostrea cucullata along the Pearl River Estuary, China. Environmental Pollution, 2018, 236, 619-625.	7.5	235
137	Microplastic accumulation patterns and transfer of benzo[a]pyrene to adult zebrafish (Danio rerio) gills and zebrafish embryos. Environmental Pollution, 2018, 235, 918-930.	7.5	194
138	Accumulation, tissue distribution, and biochemical effects of polystyrene microplastics in the freshwater fish red tilapia (Oreochromis niloticus). Environmental Pollution, 2018, 238, 1-9.	7.5	470
139	Ecotoxicological effects of microplastics on biota: a review. Environmental Science and Pollution Research, 2018, 25, 14373-14396.	5.3	536
140	A new approach for the agglomeration and subsequent removal of polyethylene, polypropylene, and mixtures of both from freshwater systems â€” a case study. Environmental Science and Pollution Research, 2018, 25, 15226-15234.	5.3	48
141	Multi-temporal surveys for microplastic particles enabled by a novel and fast application of SWIR imaging spectroscopy â€” Study of an urban watercourse traversing the city of Berlin, Germany. Environmental Pollution, 2018, 239, 579-589.	7.5	82
142	Advancement and Challenges of Microplastic Pollution in the Aquatic Environment: a Review. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	56
143	Microplastic ingestion by Daphnia magna and its enhancement on algal growth. Science of the Total Environment, 2018, 633, 500-507.	8.0	277
144	Spatial and temporal distribution of microplastics in water and sediments of a freshwater system (AntuÃ£ River, Portugal). Science of the Total Environment, 2018, 633, 1549-1559.	8.0	560
145	Organic fertilizer as a vehicle for the entry of microplastic into the environment. Science Advances, 2018, 4, eaap8060.	10.3	617
146	Microplastics researchâ€”from sink to source. Science, 2018, 360, 28-29.	12.6	808
147	Degradation of polyethylene microplastics in seawater: Insights into the environmental degradation of polymers. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 866-875.	1.7	148
148	Role of extracellular polymeric substances in the acute inhibition of activated sludge by polystyrene nanoparticles. Environmental Pollution, 2018, 238, 859-865.	7.5	105
150	Toxicological interactions induced by chronic exposure to gold nanoparticles and microplastics mixtures in Daphnia magna. Science of the Total Environment, 2018, 628-629, 474-483.	8.0	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.	5.0	237
152	Microplastic Effect Thresholds for Freshwater Benthic Macroinvertebrates. <i>Environmental Science &amp; Technology</i> , 2018, 52, 2278-2286.	10.0	240
153	Microplastic Abundance and Composition in Western Lake Superior As Determined via Microscopy, Pyr-GC/MS, and FTIR. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1787-1796.	10.0	277
154	Microplastics in Inland African Waters: Presence, Sources, and Fate. <i>Handbook of Environmental Chemistry</i> , 2018, , 101-124.	0.4	22
155	Micro-plastic ingestion by waterbirds from contaminated wetlands in South Africa. <i>Marine Pollution Bulletin</i> , 2018, 126, 330-333.	5.0	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.	11.0	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.	11.3	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.	4.0	136
159	Exposure to polystyrene nanoplastic leads to inhibition of anaerobic digestion system. <i>Science of the Total Environment</i> , 2018, 625, 64-70.	8.0	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.	8.0	185
161	Microplastics and Nanoplastics in Aquatic Environments: Aggregation, Deposition, and Enhanced Contaminant Transport. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1704-1724.	10.0	1,560
162	Effects of inorganic ions and natural organic matter on the aggregation of nanoplastics. <i>Chemosphere</i> , 2018, 197, 142-151.	8.2	174
163	Analytical methodologies for monitoring micro(nano)plastics: Which are fit for purpose?. <i>Current Opinion in Environmental Science and Health</i> , 2018, 1, 55-61.	4.1	185
164	The effects of microplastic on freshwater <i>Hydra attenuata</i> feeding, morphology & reproduction. <i>Environmental Pollution</i> , 2018, 234, 487-494.	7.5	148
165	Microplastics increase impact of treated wastewater on freshwater microbial community. <i>Environmental Pollution</i> , 2018, 234, 495-502.	7.5	195
166	Acute sensitivity of three Cladoceran species to different types of microplastics in combination with thermal stress. <i>Environmental Pollution</i> , 2018, 239, 733-740.	7.5	81
167	Accumulation of polystyrene microplastics in juvenile <i>Eriocheir sinensis</i> and oxidative stress effects in the liver. <i>Aquatic Toxicology</i> , 2018, 200, 28-36.	4.0	399
168	Fishing in troubled waters: Revealing genomic signatures of local adaptation in response to freshwater pollutants in two macroinvertebrates. <i>Science of the Total Environment</i> , 2018, 633, 875-891.	8.0	15

#	ARTICLE	IF	CITATIONS
169	Microplastics in surface waters of Dongting Lake and Hong Lake, China. <i>Science of the Total Environment</i> , 2018, 633, 539-545.	8.0	352
170	Comparisons of microplastic pollution between mudflats and sandy beaches in Hong Kong. <i>Environmental Pollution</i> , 2018, 236, 208-217.	7.5	143
171	Microplastic pollution in the surface waters of Italian Subalpine Lakes. <i>Environmental Pollution</i> , 2018, 236, 645-651.	7.5	250
172	Influence of microplastics on the accumulation and chronic toxic effects of cadmium in zebrafish ( <i>Danio rerio</i> ). <i>Chemosphere</i> , 2018, 202, 514-520.	8.2	275
173	A meta-analysis of the effects of exposure to microplastics on fish and aquatic invertebrates. <i>Science of the Total Environment</i> , 2018, 631-632, 550-559.	8.0	430
174	Transgenerational effects and recovery of microplastics exposure in model populations of the freshwater cladoceran <i>Daphnia magna</i> Straus. <i>Science of the Total Environment</i> , 2018, 631-632, 421-428.	8.0	156
175	Evaluation of uptake and chronic toxicity of virgin polystyrene microbeads in freshwater zebra mussel <i>Dreissena polymorpha</i> (Mollusca: Bivalvia). <i>Science of the Total Environment</i> , 2018, 631-632, 778-788.	8.0	192
176	Macroplastic and microplastic contamination assessment of a tropical river (Saigon River, Vietnam) transversed by a developing megacity. <i>Environmental Pollution</i> , 2018, 236, 661-671.	7.5	328
177	Are We Underestimating Microplastic Contamination in Aquatic Environments?. <i>Environmental Management</i> , 2018, 61, 1-8.	2.7	190
178	Variation in plastic abundance at different lake beach zones - A case study. <i>Science of the Total Environment</i> , 2018, 613-614, 530-537.	8.0	47
179	Microplastic sampling with the AVANI trawl compared to two neuston trawls in the Bay of Bengal and South Pacific. <i>Environmental Pollution</i> , 2018, 232, 430-439.	7.5	106
180	Different partition of polycyclic aromatic hydrocarbon on environmental particulates in freshwater: Microplastics in comparison to natural sediment. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 648-655.	6.0	161
181	Induced structural changes of humic acid by exposure of polystyrene microplastics: A spectroscopic insight. <i>Environmental Pollution</i> , 2018, 233, 1-7.	7.5	211
182	Microplastics in surface waters and sediments of the Three Gorges Reservoir, China. <i>Science of the Total Environment</i> , 2018, 616-617, 1620-1627.	8.0	576
183	Plastics in soil: Analytical methods and possible sources. <i>Science of the Total Environment</i> , 2018, 612, 422-435.	8.0	988
184	Sinks and sources: Assessing microplastic abundance in river sediment and deposit feeders in an Austral temperate urban river system. <i>Science of the Total Environment</i> , 2018, 612, 950-956.	8.0	336
185	Modeling the Fate and Transport of Plastic Debris in Freshwaters: Review and Guidance. <i>Handbook of Environmental Chemistry</i> , 2018, , 125-152.	0.4	78
186	PET microplastics do not negatively affect the survival, development, metabolism and feeding activity of the freshwater invertebrate <i>Gammarus pulex</i> . <i>Environmental Pollution</i> , 2018, 234, 181-189.	7.5	173

#	ARTICLE	IF	CITATIONS
187	Using the Asian clam as an indicator of microplastic pollution in freshwater ecosystems. <i>Environmental Pollution</i> , 2018, 234, 347-355.	7.5	330
188	Assessment of debris inputs from land into the river in the Three Gorges Reservoir Area, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5539-5549.	5.3	6
189	Microplastic Pollution in Inland Waters Focusing on Asia. <i>Handbook of Environmental Chemistry</i> , 2018, , 85-99.	0.4	46
190	Microplastic-Associated Biofilms: A Comparison of Freshwater and Marine Environments. <i>Handbook of Environmental Chemistry</i> , 2018, , 181-201.	0.4	85
191	Impact of two plastic-derived chemicals, the Bisphenol A and the di-2-ethylhexyl phthalate, exposure on the marine toxic dinoflagellate <i>Alexandrium pacificum</i> . <i>Marine Pollution Bulletin</i> , 2018, 126, 241-249.	5.0	28
192	Microplastics Are Contaminants of Emerging Concern in Freshwater Environments: An Overview. <i>Handbook of Environmental Chemistry</i> , 2018, , 1-23.	0.4	128
193	Neurobehavioral assessment of rats exposed to pristine polystyrene nanoplastics upon oral exposure. <i>Chemosphere</i> , 2018, 193, 745-753.	8.2	94
194	Comparative evaluation of sorption kinetics and isotherms of pyrene onto microplastics. <i>Chemosphere</i> , 2018, 193, 567-573.	8.2	260
195	Freshwater Microplastics. <i>Handbook of Environmental Chemistry</i> , 2018, , .	0.4	215
196	Microplastic particles cause intestinal damage and other adverse effects in zebrafish <i>Danio rerio</i> and nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , 2018, 619-620, 1-8.	8.0	903
197	Potential Impacts of Induced Bank Filtration on Surface Water Quality: A Conceptual Framework for Future Research. <i>Water (Switzerland)</i> , 2018, 10, 1240.	2.7	24
198	Hyperspectral characterization of marine plastic litters. , 2018, , .		13
199	The combination of spectroscopy, microscopy, and profilometry methods for the physical and chemical characterization of environmentally relevant microplastics. <i>Analytical Methods</i> , 2018, 10, 4909-4916.	2.7	9
200	The role of wastewater treatment plants in surface water contamination by plastic pollutants. <i>E3S Web of Conferences</i> , 2018, 45, 00054.	0.5	7
201	A Methodology to Characterize Riverine Macroplastic Emission Into the Ocean. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	151
202	Abundance, Distribution, and Drivers of Microplastic Contamination in Urban River Environments. <i>Water (Switzerland)</i> , 2018, 10, 1597.	2.7	197
203	Occurrence of microplastics in municipal sewage treatment plants: a review. <i>Environmental Health and Toxicology</i> , 2018, 33, e2018013.	1.8	67
204	Sorptive behaviour of chromium on polyethylene microbeads in artificial seawater. <i>MATEC Web of Conferences</i> , 2018, 250, 06001.	0.2	16

#	ARTICLE	IF	CITATIONS
205	Microplastics in sediment from Skudai and Tebrau river, Malaysia: a preliminary study. MATEC Web of Conferences, 2018, 250, 06012.	0.2	26
206	Poor extraction efficiencies of polystyrene nano- and microplastics from biosolids and soil. PLoS ONE, 2018, 13, e0208009.	2.5	58
207	Sorption and desorption of selected pharmaceuticals by polyethylene microplastics. Marine Pollution Bulletin, 2018, 136, 516-523.	5.0	194
208	Review on microplastic studies in Brazilian aquatic ecosystems. Ocean and Coastal Management, 2018, 165, 385-400.	4.4	54
209	Occurrence, sources, human health impacts and mitigation of microplastic pollution. Environmental Science and Pollution Research, 2018, 25, 36046-36063.	5.3	365
210	Microplastics in the aquatic environment: Evidence for or against adverse impacts and major knowledge gaps. Environmental Toxicology and Chemistry, 2018, 37, 2776-2796.	4.3	458
211	Humic acids modify the pulse size distributions in the characterization of plastic microparticles by Tunable Resistive Pulse Sensing. Journal of Contaminant Hydrology, 2018, 218, 59-69.	3.3	1
212	Emerging investigator series: inhibition and recovery of anaerobic granular sludge performance in response to short-term polystyrene nanoparticle exposure. Environmental Science: Water Research and Technology, 2018, 4, 1902-1911.	2.4	24
213	Simulating the mobility of micro-plastics and other fiber-like objects in saturated porous media using constrained random walks. Advances in Water Resources, 2018, 121, 277-284.	3.8	24
214	Single and combined effects of microplastics and cadmium on the cadmium accumulation, antioxidant defence and innate immunity of the discus fish ( <i>Symphysodon aequifasciatus</i> ). Environmental Pollution, 2018, 243, 462-471.	7.5	261
215	The combined toxicity effect of nanoplastics and glyphosate on <i>Microcystis aeruginosa</i> growth. Environmental Pollution, 2018, 243, 1106-1112.	7.5	202
216	Influence of Nano- and Microplastic Particles on the Transport and Deposition Behaviors of Bacteria in Quartz Sand. Environmental Science & Technology, 2018, 52, 11555-11563.	10.0	32
217	Effects of virgin microplastics on goldfish ( <i>Carassius auratus</i> ). Chemosphere, 2018, 213, 323-332.	8.2	212
218	Delamination of plastic-coated waste paper by enzymes of the white rot fungus <i>Dichomitus squalens</i> . Journal of Environmental Management, 2018, 228, 165-168.	7.8	3
219	Plastic Alters Biofilm Quality as Food Resource of the Freshwater Gastropod <i>Radix balthica</i> . Environmental Science & Technology, 2018, 52, 11387-11393.	10.0	34
220	ESTIMATION OF TEMPORAL VARIATIONS AND ANNUAL FLUX OF MICROPLASTICS IN RIVERS UNDER LOW- AND HIGH-FLOW CONDITIONS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2018, 74, I_529-I_534.	0.1	2
221	Microplastics in sewage sludge from the wastewater treatment plants in China. Water Research, 2018, 142, 75-85.	11.3	675
222	The effect of polymer aging on the uptake of fuel aromatics and ethers by microplastics. Environmental Pollution, 2018, 240, 639-646.	7.5	203

#	ARTICLE	IF	CITATIONS
223	Phytoplankton response to polystyrene microplastics: Perspective from an entire growth period. <i>Chemosphere</i> , 2018, 208, 59-68.	8.2	434
224	Small-sized microplastics and pigmented particles in bottled mineral water. <i>Water Research</i> , 2018, 141, 307-316.	11.3	577
225	Microplastics pollution in different aquatic environments and biota: A review of recent studies. <i>Marine Pollution Bulletin</i> , 2018, 133, 191-208.	5.0	441
226	Freshwater plastic pollution: Recognizing research biases and identifying knowledge gaps. <i>Water Research</i> , 2018, 143, 416-424.	11.3	420
227	The Effects of Microplastic Pollution on Aquatic Organisms. , 2018, , 249-270.		12
228	Ingestion of marine debris by Wedge-tailed Shearwaters ( <i>Ardenna pacifica</i> ) on Lord Howe Island, Australia during 2005–2018. <i>Marine Pollution Bulletin</i> , 2018, 133, 616-621.	5.0	26
229	Application of nuclear techniques to environmental plastics research. <i>Journal of Environmental Radioactivity</i> , 2018, 192, 368-375.	1.7	36
230	Microplastics in Small Waterbodies and Tadpoles from Yangtze River Delta, China. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8885-8893.	10.0	188
231	Macro- and micro- plastics in soil-plant system: Effects of plastic mulch film residues on wheat ( <i>Triticum aestivum</i> ) growth. <i>Science of the Total Environment</i> , 2018, 645, 1048-1056.	8.0	711
232	Use of resources and microplastic contamination throughout the life cycle of grunts ( <i>Haemulidae</i> ) in a tropical estuary. <i>Environmental Pollution</i> , 2018, 242, 1010-1021.	7.5	28
233	Microplastics Reduce Short-Term Effects of Environmental Contaminants. Part I: Effects of Bisphenol A on Freshwater Zooplankton Are Lower in Presence of Polyamide Particles. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 280.	2.6	98
234	Microplastics Reduce Short-Term Effects of Environmental Contaminants. Part II: Polyethylene Particles Decrease the Effect of Polycyclic Aromatic Hydrocarbons on Microorganisms. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 287.	2.6	96
235	Occurrence and recovery of small-sized plastic debris from a Brazilian beach: characterization, recycling, and mechanical analysis. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26218-26227.	5.3	10
236	Occurrence and distribution of microplastics in an urban river: A case study in the Pearl River along Guangzhou City, China. <i>Science of the Total Environment</i> , 2018, 644, 375-381.	8.0	364
237	Probabilistic Material Flow Analysis of Seven Commodity Plastics in Europe. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9874-9888.	10.0	135
238	Recent ecological change in ancient lakes. <i>Limnology and Oceanography</i> , 2018, 63, 2277-2304.	3.1	68
239	Preferential accumulation of small (<300 µm) microplastics in the sediments of a coastal plain river network in eastern China. <i>Water Research</i> , 2018, 144, 393-401.	11.3	160
240	Polystyrene (nano)microplastics cause size-dependent neurotoxicity, oxidative damage and other adverse effects in <i>Caenorhabditis elegans</i> . <i>Environmental Science: Nano</i> , 2018, 5, 2009-2020.	4.3	271



#	ARTICLE	IF	CITATIONS
241	Dietary uptake, biodistribution, and depuration of microplastics in the freshwater diving beetle <i>Cybister japonicus</i> : Effects on predacious behavior. <i>Environmental Pollution</i> , 2018, 242, 839-844.	7.5	39
242	Studies of the effects of microplastics on aquatic organisms: What do we know and where should we focus our efforts in the future?. <i>Science of the Total Environment</i> , 2018, 645, 1029-1039.	8.0	881
243	Effect of Microplastic Amendment to Food on Diet Assimilation Efficiencies of PCBs by Fish. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10796-10802.	10.0	41
244	The occurrence and degradation of aquatic plastic litter based on polymer physicochemical properties: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 685-722.	12.8	148
245	Microplastics integrating the coastal planktonic community in the inner zone of the R��o de la Plata estuary (South America). <i>Environmental Pollution</i> , 2018, 243, 134-142.	7.5	76
246	Alkoxy-silyl Induced Agglomeration: A New Approach for the Sustainable Removal of Microplastic from Aquatic Systems. <i>Journal of Polymers and the Environment</i> , 2018, 26, 4258-4270.	5.0	78
247	Contamination of Indian sea salts with microplastics and a potential prevention strategy. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30122-30131.	5.3	112
248	Transcriptional effects of polyethylene microplastics ingestion in developing zebrafish ( <i>Danio rerio</i> ). <i>Environmental Pollution</i> , 2018, 243, 591-600.	7.5	122
249	Effects of microplastics on trophic parameters, abundance and metabolic activities of seawater and fish gut bacteria in mesocosm conditions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30067-30083.	5.3	35
250	Occurrence of microplastics in raw and treated drinking water. <i>Science of the Total Environment</i> , 2018, 643, 1644-1651.	8.0	669
251	No evidence of microplastic impacts on consumption or growth of larval <i>Pimephales promelas</i> . <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2912-2918.	4.3	31
252	Distribution of Microplastics and Nanoplastics in Aquatic Ecosystems and Their Impacts on Aquatic Organisms, with Emphasis on Microalgae. <i>Reviews of Environmental Contamination and Toxicology</i> , 2018, , 133-158.	1.3	13
253	Effects of microplastic exposure on the body condition and behaviour of planktivorous reef fish ( <i>Acanthochromis polyacanthus</i> ). <i>PLoS ONE</i> , 2018, 13, e0193308.	2.5	188
254	Wastewater treatment plants as a source of microplastics in river catchments. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20264-20267.	5.3	192
255	Screening study of four environmentally relevant microplastic pollutants: Uptake and effects on <i>Daphnia magna</i> and <i>Artemia franciscana</i> . <i>Chemosphere</i> , 2018, 208, 522-529.	8.2	103
256	Validation of a Method for Extracting Microplastics from Complex, Organic-Rich, Environmental Matrices. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7409-7417.	10.0	551
257	Evidence that microplastics aggravate the toxicity of organophosphorus flame retardants in mice ( <i>Mus musculus</i> ). <i>Journal of Hazardous Materials</i> , 2018, 357, 348-354.	12.4	156
258	Characterisation of "flushable" and "non-flushable" commercial wet wipes using microRaman, FTIR spectroscopy and fluorescence microscopy: to flush or not to flush. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20268-20279.	5.3	39

#	ARTICLE	IF	CITATIONS
259	Microplastic hotspots in the Snake and Lower Columbia rivers: A journey from the Greater Yellowstone Ecosystem to the Pacific Ocean. <i>Environmental Pollution</i> , 2018, 241, 1082-1090.	7.5	163
260	Occurrence, Fate, and Effect of Microplastics in Freshwater Systems. , 2018, , 95-132.		39
261	Anthropogenic contamination of tap water, beer, and sea salt. <i>PLoS ONE</i> , 2018, 13, e0194970.	2.5	675
262	Decay patterns of invasive plants and plastic trash in urban streams. <i>Urban Ecosystems</i> , 2018, 21, 817-830.	2.4	3
263	Microplastic ingestion by riverine macroinvertebrates. <i>Science of the Total Environment</i> , 2019, 646, 68-74.	8.0	293
264	Low numbers of microplastics detected in drinking water from ground water sources. <i>Science of the Total Environment</i> , 2019, 648, 631-635.	8.0	597
265	Micro- and Macroplastics in Aquatic Ecosystems. , 2019, , 116-125.		3
266	Microplastics in the environment: A critical review of current understanding and identification of future research needs. <i>Environmental Pollution</i> , 2019, 254, 113011.	7.5	379
267	Evaluation of the infiltration of polystyrene nanobeads in zebrafish embryo tissues after short-term exposure and the related biochemical and behavioural effects. <i>Environmental Pollution</i> , 2019, 254, 112947.	7.5	79
268	Impacts of plastic products used in daily life on the environment and human health: What is known?. <i>Environmental Toxicology and Pharmacology</i> , 2019, 72, 103239.	4.0	141
269	Shedding light on the invisible: addressing the potential for groundwater contamination by plastic microfibers. <i>Hydrogeology Journal</i> , 2019, 27, 2719-2727.	2.1	81
270	On the representativeness of pump water samples versus manta sampling in microplastic analysis. <i>Environmental Pollution</i> , 2019, 254, 112970.	7.5	81
271	Occurrence of tire wear particles and other microplastics within the tributaries of the Charleston Harbor Estuary, South Carolina, USA. <i>Marine Pollution Bulletin</i> , 2019, 145, 569-582.	5.0	158
272	Current practices and future perspectives of microplastic pollution in freshwater ecosystems in China. <i>Science of the Total Environment</i> , 2019, 691, 697-712.	8.0	162
273	Microplastics as contaminants in the soil environment: A mini-review. <i>Science of the Total Environment</i> , 2019, 691, 848-857.	8.0	413
274	The leaching of additive-derived flame retardants (FRs) from plastics in avian digestive fluids: The significant risk of highly lipophilic FRs. <i>Journal of Environmental Sciences</i> , 2019, 85, 200-207.	6.1	32
275	Sources of microplastics pollution in the marine environment: Importance of wastewater treatment plant and coastal landfill. <i>Marine Pollution Bulletin</i> , 2019, 146, 608-618.	5.0	187
276	Particulate plastics as a vector for toxic trace-element uptake by aquatic and terrestrial organisms and human health risk. <i>Environment International</i> , 2019, 131, 104937.	10.0	337



#	ARTICLE	IF	CITATIONS
277	First evidence of microplastic contamination in the supraglacial debris of an alpine glacier. <i>Environmental Pollution</i> , 2019, 253, 297-301.	7.5	230
278	Evaluation of single and combined effects of cadmium and micro-plastic particles on biochemical and immunological parameters of common carp ( <i>Cyprinus carpio</i> ). <i>Chemosphere</i> , 2019, 236, 124335.	8.2	175
279	Influence of titanium dioxide nanoparticles on the transport and deposition of microplastics in quartz sand. <i>Environmental Pollution</i> , 2019, 253, 351-357.	7.5	61
280	Production of nanostructure carbon materials via non-oxidative thermal degradation of real polypropylene waste plastic using La <sub>2</sub> O <sub>3</sub> supported Ni and Ni-Cu catalysts. <i>Polymer Degradation and Stability</i> , 2019, 167, 157-169.	5.8	42
281	A study on characteristics of microplastic in wastewater of South Korea: Identification, quantification, and fate of microplastics during treatment process. <i>Marine Pollution Bulletin</i> , 2019, 146, 696-702.	5.0	306
282	Revealing the Mechanisms of Polyethylene Microplastics Affecting Anaerobic Digestion of Waste Activated Sludge. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9604-9613.	10.0	199
283	Tracking the distribution of microfiber pollution in a southern Lake Michigan watershed through the analysis of water, sediment and air. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1549-1559.	3.5	28
284	Evaluation of non-invasive toxicological analysis of nano-polystyrene in relative <i>in vivo</i> conditions to <i>D. magna</i> . <i>Environmental Science: Nano</i> , 2019, 6, 2832-2849.	4.3	8
285	Shades of grey: Marine litter research developments in Europe. <i>Marine Pollution Bulletin</i> , 2019, 146, 274-281.	5.0	55
286	Microplastic pollution on the Persian Gulf shoreline: A case study of Bandar Abbas city, Hormozgan Province, Iran. <i>Marine Pollution Bulletin</i> , 2019, 145, 536-546.	5.0	55
287	Designing the National Network for Automatic Monitoring of Water Quality Parameters in Greece. <i>Water (Switzerland)</i> , 2019, 11, 1310.	2.7	27
288	Polyethylene microplastics adhere to <i>Lemna minor</i> (L.), yet have no effects on plant growth or feeding by <i>Gammarus duebeni</i> (Lillj.). <i>Science of the Total Environment</i> , 2019, 689, 413-421.	8.0	191
289	Research on ecotoxicology of microplastics on freshwater aquatic organisms. <i>Environmental Pollutants and Bioavailability</i> , 2019, 31, 131-137.	3.0	50
290	Erosion Behavior of Different Microplastic Particles in Comparison to Natural Sediments. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13219-13227.	10.0	103
292	Micro- and macroplastic accumulation in a newly formed <i>Spartina alterniflora</i> colonized estuarine saltmarsh in southeast China. <i>Marine Pollution Bulletin</i> , 2019, 149, 110636.	5.0	58
293	First empirical study of freshwater microplastics in West Africa using gastropods from Nigeria as bioindicators. <i>Limnologia</i> , 2019, 78, 125708.	1.5	91
294	Retention of microplastics in sediments of urban and highway stormwater retention ponds. <i>Environmental Pollution</i> , 2019, 255, 113335.	7.5	112
295	Microplastic Fibers Released by Textile Laundry: A New Analytical Approach for the Determination of Fibers in Effluents. <i>Water (Switzerland)</i> , 2019, 11, 2088.	2.7	26

#	ARTICLE	IF	CITATIONS
296	Modeling Decreased Resilience of Shallow Lake Ecosystems toward Eutrophication due to Microplastic Ingestion across the Food Web. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13822-13831.	10.0	41
297	Microplastics: What Drinking Water Utilities Need to Know. <i>Journal - American Water Works Association</i> , 2019, 111, 26-37.	0.3	4
298	A Chemical Time Bomb: Future Risks of Microplastics. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	17
299	Microplastic in Aquatic Environments. , 2019, , 149-179.		1
300	Towards Sustainable Environmental Quality: Priority Research Questions for the Australasian Region of Oceania. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 917-935.	2.9	19
301	Assessment of microplastic pollution: occurrence and characterisation in Vesijärvi lake and Pikku Vesijärvi pond, Finland. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 652.	2.7	74
302	Little evidence that dams in the Orange–Vaal River system trap floating microplastics or microfibrils. <i>Marine Pollution Bulletin</i> , 2019, 149, 110664.	5.0	54
303	New Perspective on the Nanoplastics Disrupting the Reproduction of an Endangered Fern in Artificial Freshwater. <i>Environmental Science &amp; Technology</i> , 2019, 53, 12715-12724.	10.0	63
304	Evaluating functional diversity conservation for freshwater fishes resulting from terrestrial protected areas. <i>Freshwater Biology</i> , 2019, 64, 2057-2070.	2.4	4
306	Quantitative analysis of PET microplastics in environmental model samples using quantitative <sup>1</sup> H-NMR spectroscopy: validation of an optimized and consistent sample clean-up method. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7409-7418.	3.7	27
307	Environmental occurrences, fate, and impacts of microplastics. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109612.	6.0	259
308	Maternal exposure to different sizes of polystyrene microplastics during gestation causes metabolic disorders in their offspring. <i>Environmental Pollution</i> , 2019, 255, 113122.	7.5	152
309	Selective enrichment of bacterial pathogens by microplastic biofilm. <i>Water Research</i> , 2019, 165, 114979.	11.3	408
310	Plastic pollutants: effective waste management for pollution control and abatement. <i>Current Opinion in Environmental Science and Health</i> , 2019, 12, 72-84.	4.1	165
312	Assessing factors driving the distribution and characteristics of shoreline macroplastics in a subtropical reservoir. <i>Science of the Total Environment</i> , 2019, 696, 133992.	8.0	22
313	Wastewater treatment plants as a source of plastics in the environment: a review of occurrence, methods for identification, quantification and fate. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1908-1931.	2.4	112
314	Ingestion of microplastics by nematodes depends on feeding strategy and buccal cavity size. <i>Environmental Pollution</i> , 2019, 255, 113227.	7.5	77
315	Recycled polystyrene-cotton composites, giving a second life to plastic residues for environmental remediation. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103424.	6.7	15

#	ARTICLE	IF	CITATIONS
316	Effects of micro-sized polyethylene spheres on the marine microalga <i>Dunaliella salina</i> : Focusing on the algal cell to plastic particle size ratio. <i>Aquatic Toxicology</i> , 2019, 216, 105296.	4.0	119
317	Pathway, classification and removal efficiency of microplastics in wastewater treatment plants. <i>Environmental Pollution</i> , 2019, 255, 113326.	7.5	215
318	Microplastics in a freshwater mussel ( <i>Anodonta anatina</i> ) in Northern Europe. <i>Science of the Total Environment</i> , 2019, 697, 134192.	8.0	57
319	Exploring the Efficacy of Nile Red in Microplastic Quantification: A Costaining Approach. <i>Environmental Science and Technology Letters</i> , 2019, 6, 606-611.	8.7	101
320	Sampling techniques and preparation methods for microplastic analyses in the aquatic environment – A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 84-92.	11.4	248
321	Effects of Particle Properties on the Settling and Rise Velocities of Microplastics in Freshwater under Laboratory Conditions. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1958-1966.	10.0	241
322	Sustaining Water Resources: Environmental and Economic Impact. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2879-2888.	6.7	32
323	Plastic Pollution in the Coastal Environment: Current Challenges and Future Solutions. , 2019, , 595-609.		18
324	Impacts of Micro- and Nano-Sized Plastic Particles on Benthic Invertebrates: A Literature Review and Gap Analysis. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	157
325	Behavior of TiO <sub>2</sub> and CeO <sub>2</sub> Nanoparticles and Polystyrene Nanoplastics in Bottled Mineral, Drinking and Lake Geneva Waters. Impact of Water Hardness and Natural Organic Matter on Nanoparticle Surface Properties and Aggregation. <i>Water (Switzerland)</i> , 2019, 11, 721.	2.7	56
326	Polystyrene microplastics ingestion induced behavioral effects to the cladoceran <i>Daphnia magna</i> . <i>Chemosphere</i> , 2019, 231, 423-431.	8.2	108
327	First discoveries of microplastics in terrestrial snails. <i>Food Control</i> , 2019, 106, 106722.	5.5	86
328	River Deltas as hotspots of microplastic accumulation: The case study of the Ebro River (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262	8.0	194
329	Effects of microplastics on the innate immunity and intestinal microflora of juvenile <i>Eriocheir sinensis</i> . <i>Science of the Total Environment</i> , 2019, 685, 836-846.	8.0	187
330	Environmental implications of microplastic pollution in the Northwestern Pacific Ocean. <i>Marine Pollution Bulletin</i> , 2019, 146, 215-224.	5.0	59
331	Influence of nanoplastic surface charge on eco-corona formation, aggregation and toxicity to freshwater zooplankton. <i>Environmental Pollution</i> , 2019, 252, 715-722.	7.5	162
332	Environmentally Accurate Microplastic Levels and Their Absence from Exposure Studies. <i>Integrative and Comparative Biology</i> , 2019, 59, 1485-1496.	2.0	67
333	Associations between microplastic pollution and land use in urban wetland sediments. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22551-22561.	5.3	94

#	ARTICLE	IF	CITATIONS
334	Educational Partnerships Combined With Research on Emerging Pollutants for Long-Term Water-Quality Monitoring. <i>Separation Science and Technology</i> , 2019, 11, 149-168.	0.2	0
335	Combined effects of polystyrene microplastics and natural organic matter on the accumulation and toxicity of copper in zebrafish. <i>Science of the Total Environment</i> , 2019, 682, 128-137.	8.0	203
336	Applications in: Environmental Analytics (fine particles). <i>Physical Sciences Reviews</i> , 2019, 4, .	0.8	1
337	Analysis of Selected Endocrine Disrupters Fraction Including Bisphenols Extracted from Daily Products, Food Packaging and Treated Wastewater Using Optimized Solid-Phase Extraction and Temperature-Dependent Inclusion Chromatography. <i>Molecules</i> , 2019, 24, 1285.	3.8	9
338	Release of radiolabeled multi-walled carbon nanotubes (14C-MWCNT) from epoxy nanocomposites into quartz sand-water systems and their uptake by <i>Lumbriculus variegatus</i> . <i>NanoImpact</i> , 2019, 14, 100159.	4.5	5
339	Biodegradation of oil-based plastics in the environment: Existing knowledge and needs of research and innovation. <i>Science of the Total Environment</i> , 2019, 679, 148-158.	8.0	143
340	Input of plastic debris in an urban tropical river system. <i>Marine Pollution Bulletin</i> , 2019, 144, 235-242.	5.0	32
341	Mikroplastik. , 2019, , .		5
342	Mediated food and hydrodynamics on the ingestion of microplastics by <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2019, 251, 434-441.	7.5	23
343	Microplastics in municipal mixed-waste organic outputs induce minimal short to long-term toxicity in key terrestrial biota. <i>Environmental Pollution</i> , 2019, 252, 522-531.	7.5	175
344	Mikroplastik. , 2019, , 15-242.		2
345	Spatiotemporal distribution and annual load of microplastics in the Nakdong River, South Korea. <i>Water Research</i> , 2019, 160, 228-237.	11.3	335
346	Significant decline of <i>Daphnia magna</i> population biomass due to microplastic exposure. <i>Environmental Pollution</i> , 2019, 250, 669-675.	7.5	68
347	River temperature and the thermal-dynamic transport of sediment. <i>Global and Planetary Change</i> , 2019, 178, 168-183.	3.5	21
348	Influence of physicochemical surface properties on the adhesion of bacteria onto four types of plastics. <i>Science of the Total Environment</i> , 2019, 671, 1101-1107.	8.0	85
349	Microplastics Detection in Streaming Tap Water with Raman Spectroscopy. <i>Sensors</i> , 2019, 19, 1839.	3.8	95
350	Assessment the effect of exposure to microplastics in Nile Tilapia ( <i>Oreochromis niloticus</i> ) early juvenile: I. blood biomarkers. <i>Chemosphere</i> , 2019, 228, 345-350.	8.2	141
351	Microplastic freshwater contamination: an issue advanced by science with public engagement. <i>Environmental Science and Pollution Research</i> , 2019, 26, 16904-16905.	5.3	7

#	ARTICLE	IF	CITATIONS
352	Saving water for the future: Public awareness of water usage and water quality. <i>Journal of Environmental Management</i> , 2019, 242, 246-257.	7.8	50
353	Microplastics and the gut microbiome: How chronically exposed species may suffer from gut dysbiosis. <i>Marine Pollution Bulletin</i> , 2019, 143, 193-203.	5.0	178
354	Microplastics in the surface seawaters of Chabahar Bay, Gulf of Oman (Makran Coasts). <i>Marine Pollution Bulletin</i> , 2019, 143, 125-133.	5.0	144
355	Review of micro- and nanoplastic contamination in the food chain. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2019, 36, 639-673.	2.3	356
356	Ingestion of small-sized and irregularly shaped polyethylene microplastics affect <i>Chironomus riparius</i> life-history traits. <i>Science of the Total Environment</i> , 2019, 672, 862-868.	8.0	97
357	First evidence of protein modulation by polystyrene microplastics in a freshwater biological model. <i>Environmental Pollution</i> , 2019, 250, 407-415.	7.5	64
358	Microplastic Pollution in Benthic Midstream Sediments of the Rhine River. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6053-6062.	10.0	150
359	Microplastics in the diet of nestling double-crested cormorants ( <i>Phalacrocorax auritus</i> ), an obligate piscivore in a freshwater ecosystem. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2019, 76, 2156-2163.	1.4	34
360	Reproductive toxicity of primary and secondary microplastics to three cladocerans during chronic exposure. <i>Environmental Pollution</i> , 2019, 249, 638-646.	7.5	124
361	Abundance and characteristics of microplastics in the northern coastal waters of Surabaya, Indonesia. <i>Marine Pollution Bulletin</i> , 2019, 142, 183-188.	5.0	94
362	Using castor oil to separate microplastics from four different environmental matrices. <i>Analytical Methods</i> , 2019, 11, 1788-1794.	2.7	91
363	Effects of polyester microfibers on soil physical properties: Perception from a field and a pot experiment. <i>Science of the Total Environment</i> , 2019, 670, 1-7.	8.0	276
364	Microplastics in drinking water treatment – Current knowledge and research needs. <i>Science of the Total Environment</i> , 2019, 667, 730-740.	8.0	263
365	Biogeochemical cycling and ecological thresholds in a High Arctic lake (Svalbard). <i>Aquatic Sciences</i> , 2019, 81, 1.	1.5	18
366	Microplastics in the marine environment: Current trends in environmental pollution and mechanisms of toxicological profile. <i>Environmental Toxicology and Pharmacology</i> , 2019, 68, 61-74.	4.0	481
367	Microscopy and elemental analysis characterisation of microplastics in sediment of a freshwater urban river in Scotland, UK. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12491-12504.	5.3	154
368	Interaction between microplastics and microorganism as well as gut microbiota: A consideration on environmental animal and human health. <i>Science of the Total Environment</i> , 2019, 667, 94-100.	8.0	258
369	The Eukaryotic Life on Microplastics in Brackish Ecosystems. <i>Frontiers in Microbiology</i> , 2019, 10, 538.	3.5	109

#	ARTICLE	IF	CITATIONS
370	SnSe@SnO <sub>2</sub> core-shell nanocomposite for synchronous photothermal photocatalytic production of clean water. <i>Environmental Science: Nano</i> , 2019, 6, 1507-1515.	4.3	45
371	A methodology for the fast identification and monitoring of microplastics in environmental samples using random decision forest classifiers. <i>Analytical Methods</i> , 2019, 11, 2277-2285.	2.7	83
372	Distribution and composition of plastic debris along the river shore in the Selenga River basin in Mongolia. <i>Environmental Science and Pollution Research</i> , 2019, 26, 14059-14072.	5.3	57
373	Terrestrial ecologists should stop ignoring plastic pollution in the Anthropocene time. <i>Science of the Total Environment</i> , 2019, 668, 1025-1029.	8.0	67
374	Water and health: From environmental pressures to integrated responses. <i>Acta Tropica</i> , 2019, 193, 217-226.	2.0	110
375	Marine Plastic Pollution: Other Than Microplastic. , 2019, , 425-442.		21
376	Microplastics as Contaminant in Freshwater Ecosystem: A Modern Environmental Issue. , 2019, , 1-24.		0
377	Microplastics in freshwater environment: the first evaluation in sediments from seven water streams surrounding the lagoon of Bizerte (Northern Tunisia). <i>Environmental Science and Pollution Research</i> , 2019, 26, 14673-14682.	5.3	87
378	Assessment of the Plastic Inputs From the Seine Basin to the Sea Using Statistical and Field Approaches. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	49
379	Single and combined effects of microplastics and roxithromycin on <i>Daphnia magna</i> . <i>Environmental Science and Pollution Research</i> , 2019, 26, 17010-17020.	5.3	89
380	Exposure to microplastics decreases swimming competence in larval zebrafish ( <i>Danio rerio</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2019, 176, 226-233.	6.0	128
381	Microplastic pollution in streams spanning an urbanisation gradient. <i>Environmental Pollution</i> , 2019, 250, 292-299.	7.5	141
382	Visible light photocatalytic degradation of microplastic residues with zinc oxide nanorods. <i>Environmental Chemistry Letters</i> , 2019, 17, 1341-1346.	16.2	287
383	Combining Reclaimed PET with Bio-based Monomers Enables Plastics Upcycling. <i>Joule</i> , 2019, 3, 1006-1027.	24.0	177
384	Typhoons increase the abundance of microplastics in the marine environment and cultured organisms: A case study in Sanggou Bay, China. <i>Science of the Total Environment</i> , 2019, 667, 1-8.	8.0	106
385	Microplastic abundance, characteristics, and removal in wastewater treatment plants in a coastal city of China. <i>Water Research</i> , 2019, 155, 255-265.	11.3	309
386	The interactive effects of stratospheric ozone depletion, UV radiation, and climate change on aquatic ecosystems. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 717-746.	2.9	108
387	Gut microbiota of aquatic organisms: A key endpoint for ecotoxicological studies. <i>Environmental Pollution</i> , 2019, 248, 989-999.	7.5	160

#	ARTICLE	IF	CITATIONS
388	Evidence of transport of styrene oligomers originated from polystyrene plastic to oceans by runoff. Science of the Total Environment, 2019, 667, 57-63.	8.0	30
389	Squid-Inspired Tandem Repeat Proteins: Functional Fibers and Films. Frontiers in Chemistry, 2019, 7, 69.	3.6	46
390	A temporal sediment record of microplastics in an urban lake, London, UK. Journal of Paleolimnology, 2019, 61, 449-462.	1.6	139
391	Polyvinyl Chloride Microplastics Affect Methane Production from the Anaerobic Digestion of Waste Activated Sludge through Leaching Toxic Bisphenol-A. Environmental Science & Technology, 2019, 53, 2509-2517.	10.0	279
392	Characterization of sorption properties of high-density polyethylene using the poly-parameter linearfree-energy relationships. Environmental Pollution, 2019, 248, 312-319.	7.5	30
393	Research progress on release of endogenous pollutants and remediation technologies in water sediments. IOP Conference Series: Earth and Environmental Science, 2019, 384, 012147.	0.3	2
394	Removal of >10 µm Microplastic Particles from Treated Wastewater by a Disc Filter. Water (Switzerland), 2019, 11, 1935.	2.7	60
395	Plastic litter in the European Arctic: What do we know?. Emerging Contaminants, 2019, 5, 308-318.	4.9	79
397	New Challenges and Possibilities of Hydroelectric Power Plants in Combating Pollution of Watercourses by Floating Debris. Power Technology and Engineering, 2019, 53, 314-318.	0.3	8
398	The Problem of Microplastics and Regulatory Strategies in Italy. Handbook of Environmental Chemistry, 2019, , 1.	0.4	7
399	Impacts of polystyrene microplastic on the gut barrier, microbiota and metabolism of mice. Science of the Total Environment, 2019, 649, 308-317.	8.0	568
400	Nano- and microplastic analysis: Focus on their occurrence in freshwater ecosystems and remediation technologies. TrAC - Trends in Analytical Chemistry, 2019, 113, 409-425.	11.4	165
401	(Micro) plastic fluxes and stocks in Lake Geneva basin. TrAC - Trends in Analytical Chemistry, 2019, 112, 66-74.	11.4	72
402	Accumulation and fate of nano- and micro-plastics and associated contaminants in organisms. TrAC - Trends in Analytical Chemistry, 2019, 111, 139-147.	11.4	187
403	Anthropogenic stresses on the world's big rivers. Nature Geoscience, 2019, 12, 7-21.	12.9	703
404	Anthropogenically altered trophic webs: alien catfish and microplastics in the diet of Eurasian otters. Mammal Research, 2019, 64, 165-174.	1.3	26
405	Occurrence and fate of microplastic debris in middle and lower reaches of the Yangtze River " From inland to the sea. Science of the Total Environment, 2019, 659, 66-73.	8.0	200
406	Microplastics in wastewater treatment plants: Detection, occurrence and removal. Water Research, 2019, 152, 21-37.	11.3	1,069



#	ARTICLE	IF	CITATIONS
407	The uptake of microfibers by freshwater Asian clams ( <i>Corbicula fluminea</i> ) varies based upon physicochemical properties. <i>Chemosphere</i> , 2019, 221, 107-114.	8.2	45
408	Manuscript prepared for submission to environmental toxicology and pharmacology pollution in drinking water source areas: Microplastics in the Danjiangkou Reservoir, China. <i>Environmental Toxicology and Pharmacology</i> , 2019, 65, 82-89.	4.0	72
409	Relevance of nano- and microplastics for freshwater ecosystems: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 375-392.	11.4	346
410	Preliminary study of the source apportionment and diversity of microplastics: Taking floating microplastics in the South China Sea as an example. <i>Environmental Pollution</i> , 2019, 245, 965-974.	7.5	219
411	Comparison of microplastic pollution in different water bodies from urban creeks to coastal waters. <i>Environmental Pollution</i> , 2019, 246, 174-182.	7.5	310
412	Micro- (nano) plastics in freshwater ecosystems: Abundance, toxicological impact and quantification methodology. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 116-128.	11.4	333
413	Effects of nanoplastics and microplastics on the growth of sediment-rooted macrophytes. <i>Science of the Total Environment</i> , 2019, 654, 1040-1047.	8.0	223
414	Repeated detection of polystyrene microbeads in the Lower Rhine River. <i>Environmental Pollution</i> , 2019, 245, 634-641.	7.5	69
415	Microplastics in freshwater sediments of Atoyac River basin, Puebla City, Mexico. <i>Science of the Total Environment</i> , 2019, 654, 154-163.	8.0	132
416	Trace metals in polyethylene debris from the North Atlantic subtropical gyre. <i>Environmental Pollution</i> , 2019, 245, 371-379.	7.5	123
417	Emerging threats and persistent conservation challenges for freshwater biodiversity. <i>Biological Reviews</i> , 2019, 94, 849-873.	10.4	1,766
418	Marine litter in sediments related to ecological features in impacted sites and marine protected areas (Croatia). <i>Marine Pollution Bulletin</i> , 2019, 138, 25-29.	5.0	24
419	Targeting microplastic particles in the void of diluted suspensions. <i>Environment International</i> , 2019, 123, 428-435.	10.0	72
420	Microplastic contamination in an urban estuary: Abundance and distribution of microplastics and fish larvae in the Douro estuary. <i>Science of the Total Environment</i> , 2019, 659, 1071-1081.	8.0	79
421	Integrated electrokinetic processes for the remediation of phthalate esters in river sediments: A mini-review. <i>Science of the Total Environment</i> , 2019, 659, 963-972.	8.0	23
422	The fate of microplastics in an Italian Wastewater Treatment Plant. <i>Science of the Total Environment</i> , 2019, 652, 602-610.	8.0	388
423	New strategy for microplastic degradation: Green photocatalysis using a protein-based porous N-TiO <sub>2</sub> semiconductor. <i>Ceramics International</i> , 2019, 45, 9618-9624.	4.8	196
424	Abundance and characteristics of microplastics in the mangrove sediment of the semi-enclosed Maowei Sea of the south China sea: New implications for location, rhizosphere, and sediment compositions. <i>Environmental Pollution</i> , 2019, 244, 685-692.	7.5	146



#	ARTICLE	IF	CITATIONS
425	First account of plastic pollution impacting freshwater fishes in the Amazon: Ingestion of plastic debris by piranhas and other serrasalmids with diverse feeding habits. <i>Environmental Pollution</i> , 2019, 244, 766-773.	7.5	122
426	Microplastics in freshwater environments: A review of quantification assessment. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 402-408.	11.4	127
427	Assessment of the sources and inflow processes of microplastics in the river environments of Japan. <i>Environmental Pollution</i> , 2019, 244, 958-965.	7.5	332
428	Removal characteristics of microplastics by Fe-based coagulants during drinking water treatment. <i>Journal of Environmental Sciences</i> , 2019, 78, 267-275.	6.1	235
430	Quantifying ecological risks of aquatic micro- and nanoplastic. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 32-80.	12.8	329
431	The first application of quantitative <sup>1</sup> H NMR spectroscopy as a simple and fast method of identification and quantification of microplastic particles (PE, PET, and PS). <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 823-833.	3.7	73
432	Toward an ecotoxicological risk assessment of microplastics: Comparison of available hazard and exposure data in freshwaters. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 436-447.	4.3	126
433	Microplastic abundance, distribution and composition in water, sediments, and wild fish from Poyang Lake, China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 180-187.	6.0	421
434	Sorption behavior and mechanism of hydrophilic organic chemicals to virgin and aged microplastics in freshwater and seawater. <i>Environmental Pollution</i> , 2019, 246, 26-33.	7.5	643
435	Microplastics Pollution in the Marine Environment. , 2019, , 329-351.		16
436	Distinct community structure and microbial functions of biofilms colonizing microplastics. <i>Science of the Total Environment</i> , 2019, 650, 2395-2402.	8.0	387
437	Polystyrene nanoplastic exposure induces immobilization, reproduction, and stress defense in the freshwater cladoceran <i>Daphnia pulex</i> . <i>Chemosphere</i> , 2019, 215, 74-81.	8.2	225
438	Microplastic contamination in gudgeons ( <i>Gobio gobio</i> ) from Flemish rivers (Belgium). <i>Environmental Pollution</i> , 2019, 244, 675-684.	7.5	95
439	The fate of microplastics during uptake and depuration phases in a blue mussel exposure system. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 99-105.	4.3	44
441	Microplastics in Freshwater Biota: A Critical Review of Isolation, Characterization, and Assessment Methods. <i>Global Challenges</i> , 2020, 4, 1800118.	3.6	53
442	Hazard evaluation of plastic mixtures from four Italian subalpine great lakes on the basis of laboratory exposures of zebra mussels. <i>Science of the Total Environment</i> , 2020, 699, 134366.	8.0	30
443	Enhanced in situ biodegradation of microplastics in sewage sludge using hyperthermophilic composting technology. <i>Journal of Hazardous Materials</i> , 2020, 384, 121271.	12.4	180
444	Abundance, distribution patterns, and identification of microplastics in Brisbane River sediments, Australia. <i>Science of the Total Environment</i> , 2020, 700, 134467.	8.0	162

#	ARTICLE	IF	CITATIONS
445	Microplastics and their possible sources: The example of Ofanto river in southeast Italy. Environmental Pollution, 2020, 258, 113284.	7.5	195
446	Effects of microplastics on wastewater and sewage sludge treatment and their removal: A review. Chemical Engineering Journal, 2020, 382, 122955.	12.7	336
447	Neustonic microplastic pollution in the Persian Gulf. Marine Pollution Bulletin, 2020, 150, 110665.	5.0	93
448	Microplastics in an urban wastewater treatment plant: The influence of physicochemical parameters and environmental factors. Chemosphere, 2020, 238, 124593.	8.2	235
450	How much are microplastics harmful to the health of amphibians? A study with pristine polyethylene microplastics and Physalaemus cuvieri. Journal of Hazardous Materials, 2020, 382, 121066.	12.4	105
451	Entrapment in plastic debris endangers hermit crabs. Journal of Hazardous Materials, 2020, 387, 121703.	12.4	48
452	A microplastic used as infill material in artificial sport turfs reduces plant growth. Plants People Planet, 2020, 2, 157-166.	3.3	67
453	Single and combined effects of amino polystyrene and perfluorooctane sulfonate on hydrogen-producing thermophilic bacteria and the interaction mechanisms. Science of the Total Environment, 2020, 703, 135015.	8.0	45
454	Effects of nanoplastics at predicted environmental concentration on Daphnia pulex after exposure through multiple generations. Environmental Pollution, 2020, 256, 113506.	7.5	109
455	Plastic particles adsorb to the roots of freshwater vascular plant <i>Spirodela polyrrhiza</i> but do not impair growth. Limnology and Oceanography Letters, 2020, 5, 37-45.	3.9	102
456	Wetland soil microplastics are negatively related to vegetation cover and stem density. Environmental Pollution, 2020, 256, 113391.	7.5	149
457	Advances and challenges of microplastic pollution in freshwater ecosystems: A UK perspective. Environmental Pollution, 2020, 256, 113445.	7.5	157
458	Toxicity comparison of nano-sized and micron-sized microplastics to Goldfish Carassius auratus Larvae. Journal of Hazardous Materials, 2020, 388, 122058.	12.4	160
459	Effect of microplastic on anaerobic digestion of wasted activated sludge. Chemosphere, 2020, 247, 125874.	8.2	91
460	Microplastic Identification via Holographic Imaging and Machine Learning. Advanced Intelligent Systems, 2020, 2, 1900153.	6.1	88
461	Polystyrene seedling trays used as substrate by native plants. Environmental Science and Pollution Research, 2020, 27, 6690-6694.	5.3	6
462	Potential interferences of microplastics in the phytoremediation of Cd and Cu by the salt marsh plant Phragmites australis. Journal of Environmental Chemical Engineering, 2020, 8, 103658.	6.7	23
463	A Global Perspective on Microplastics. Journal of Geophysical Research: Oceans, 2020, 125, e2018JC014719.	2.6	488

#	ARTICLE	IF	CITATIONS
464	Microplastics in Sediments of River Yongfeng from Maanshan City, Anhui Province, China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 166-172.	2.7	28
465	Chronic dietary exposure to polystyrene microplastics in maturing Japanese medaka ( <i>Oryzias latipes</i> ). <i>Aquatic Toxicology</i> , 2020, 220, 105396.	4.0	85
466	Analysis of microbeads in cosmetic products in the United Arab Emirates. <i>Environmental Pollution</i> , 2020, 258, 113831.	7.5	49
467	Interaction of chemical contaminants with microplastics: Principles and perspectives. <i>Science of the Total Environment</i> , 2020, 706, 135978.	8.0	279
468	Prevalence of microplastics in animal-based traditional medicinal materials: Widespread pollution in terrestrial environments. <i>Science of the Total Environment</i> , 2020, 709, 136214.	8.0	49
469	Self-contamination from clothing in microplastics research. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 110036.	6.0	60
470	Variations in aggregate-associated organic carbon and polyester microfibers resulting from polyester microfibers addition in a clayey soil. <i>Environmental Pollution</i> , 2020, 258, 113716.	7.5	47
471	Nanoplastics display strong stability in aqueous environments: Insights from aggregation behaviour and theoretical calculations. <i>Environmental Pollution</i> , 2020, 258, 113760.	7.5	113
472	Microplastic pollution in urban streams across New Zealand: concentrations, composition and implications. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2020, 54, 233-250.	2.0	29
473	Potential health impact of environmental microplastics and nanoplastics pollution. <i>Journal of Applied Toxicology</i> , 2020, 40, 4-15.	2.8	165
474	Freshwater microplastics pollution: Detecting and visualizing emerging trends based on Citespace II. <i>Chemosphere</i> , 2020, 245, 125627.	8.2	112
475	Biofilm alters tetracycline and copper adsorption behaviors onto polyethylene microplastics. <i>Chemical Engineering Journal</i> , 2020, 392, 123808.	12.7	165
476	Adsorption of Cd and Cu to different types of microplastics in estuarine salt marsh medium. <i>Marine Pollution Bulletin</i> , 2020, 151, 110797.	5.0	36
477	Microplastics in the sediment of Lake Ulansuhai of Yellow River Basin, China. <i>Water Environment Research</i> , 2020, 92, 829-839.	2.7	29
478	Rapid fingerprinting of source and environmental microplastics using direct analysis in real time-high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2020, 1100, 107-117.	5.4	27
479	Assessment of microplastics in freshwater systems: A review. <i>Science of the Total Environment</i> , 2020, 707, 135578.	8.0	468
480	Seasonal microplastics variation in nival and pluvial stretches of the Rhine River – From the Swiss catchment towards the North Sea. <i>Science of the Total Environment</i> , 2020, 707, 135579.	8.0	80
481	Impacts of polystyrene microplastics on <i>Daphnia magna</i> : A laboratory and a mesocosm study. <i>Science of the Total Environment</i> , 2020, 705, 135800.	8.0	44

#	ARTICLE	IF	CITATIONS
482	Longitudinal dispersion of microplastics in aquatic flows using fluorometric techniques. <i>Water Research</i> , 2020, 170, 115337.	11.3	45
483	Performance evaluation of MBR in treating microplastics polyvinylchloride contaminated polluted surface water. <i>Marine Pollution Bulletin</i> , 2020, 150, 110724.	5.0	60
484	Microplastics in the environment: A DPSIR analysis with focus on the responses. <i>Science of the Total Environment</i> , 2020, 718, 134968.	8.0	70
485	Microplastics in stormwater runoff in a semiarid region, Tijuana, Mexico. <i>Science of the Total Environment</i> , 2020, 704, 135411.	8.0	125
486	Microplastics impair amphibian survival, body condition and function. <i>Chemosphere</i> , 2020, 244, 125500.	8.2	64
487	Exposure to polystyrene microplastics causes reproductive toxicity through oxidative stress and activation of the p38 MAPK signaling pathway. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110133.	6.0	271
488	Microplastics have lethal and sublethal effects on stream invertebrates and affect stream ecosystem functioning. <i>Environmental Pollution</i> , 2020, 259, 113898.	7.5	53
489	Polystyrene microplastic exposure disturbs hepatic glycolipid metabolism at the physiological, biochemical, and transcriptomic levels in adult zebrafish. <i>Science of the Total Environment</i> , 2020, 710, 136279.	8.0	111
490	Prevalence, Fate and Effects of Plastic in Freshwater Environments: New Findings and Next Steps. <i>Toxics</i> , 2020, 8, 72.	3.7	5
491	Microplastics and Nanoplastics in the Freshwater and Terrestrial Environment: A Review. <i>Water (Switzerland)</i> , 2020, 12, 2633.	2.7	126
492	Contamination of the Caspian Sea Southern coast sediments with microplastics: A marine environmental problem. <i>Marine Pollution Bulletin</i> , 2020, 160, 111620.	5.0	23
493	Fate of river-borne floating litter during the flooding event in the northeastern part of the Black Sea in October 2018. <i>Marine Pollution Bulletin</i> , 2020, 160, 111678.	5.0	20
494	Rapid ingestion and egestion of spherical microplastics by bacteria-feeding nematodes. <i>Chemosphere</i> , 2020, 261, 128162.	8.2	26
495	Occurrence and distribution of microplastics in China's largest freshwater lake system. <i>Chemosphere</i> , 2020, 261, 128186.	8.2	72
496	An assessment of microplastic inputs into the aquatic environment from wastewater streams. <i>Marine Pollution Bulletin</i> , 2020, 160, 111538.	5.0	62
497	Consideration of emerging environmental contaminants in africa: Review of occurrence, formation, fate, and toxicity of plastic particles. <i>Scientific African</i> , 2020, 9, e00546.	1.5	10
498	Interactions between microplastics and organic pollutants: Effects on toxicity, bioaccumulation, degradation, and transport. <i>Science of the Total Environment</i> , 2020, 748, 142427.	8.0	183
499	A critical review on various trophic transfer routes of microplastics in the context of the Indian coastal ecosystem. <i>Watershed Ecology and the Environment</i> , 2020, 2, 25-41.	1.8	16

#	ARTICLE	IF	CITATIONS
500	Microplastic-associated biofilms in lentic Italian ecosystems. <i>Water Research</i> , 2020, 187, 116429.	11.3	95
501	Microplastics and sorbed contaminants – Trophic exposure in fish sensitive early life stages. <i>Marine Environmental Research</i> , 2020, 161, 105126.	2.5	17
502	Ultraviolet-C and vacuum ultraviolet inducing surface degradation of microplastics. <i>Water Research</i> , 2020, 186, 116360.	11.3	150
503	Canola oil extraction in conjunction with a plastic free separation unit optimises microplastics monitoring in water and sediment. <i>Analytical Methods</i> , 2020, 12, 5128-5139.	2.7	32
504	Parental exposure to polystyrene microplastics at environmentally relevant concentrations has negligible transgenerational effects on zebrafish ( <i>Danio rerio</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111382.	6.0	35
505	Strong sorption of two fungicides onto biodegradable microplastics with emphasis on the negligible role of environmental factors. <i>Environmental Pollution</i> , 2020, 267, 115496.	7.5	52
506	In situ and low-cost monitoring of particles falling from freshwater animals: from microplastics to parasites. , 2020, 8, coaa088.		4
507	Occurrence of microplastics in pellets from the common kingfisher ( <i>Alcedo atthis</i> ) along the Ticino River, North Italy. <i>Environmental Science and Pollution Research</i> , 2020, 27, 41731-41739.	5.3	32
508	A proxy-based approach to predict spatially resolved emissions of macro- and microplastic to the environment. <i>Science of the Total Environment</i> , 2020, 748, 141137.	8.0	31
509	Microplastics as an emerging anthropogenic vector of trace metals in freshwater: Significance of biofilms and comparison with natural substrates. <i>Water Research</i> , 2020, 184, 116205.	11.3	149
510	Sampling and Quality Assurance and Quality Control: A Guide for Scientists Investigating the Occurrence of Microplastics Across Matrices. <i>Applied Spectroscopy</i> , 2020, 74, 1099-1125.	2.2	191
511	Microplastics in Freshwater: What Is the News from the World?. <i>Diversity</i> , 2020, 12, 276.	1.7	97
512	Monitoring of microplastics in the clam <i>Donax cuneatus</i> and its habitat in Tuticorin coast of Gulf of Mannar (GoM), India. <i>Environmental Pollution</i> , 2020, 266, 115219.	7.5	36
513	PET-microplastics as a vector for heavy metals in a simulated plant rhizosphere zone. <i>Science of the Total Environment</i> , 2020, 744, 140984.	8.0	123
514	Nanoplastics impact the zebrafish ( <i>Danio rerio</i> ) transcriptome: Associated developmental and neurobehavioral consequences. <i>Environmental Pollution</i> , 2020, 266, 115090.	7.5	77
515	Microplastic fluxes in a large and a small Mediterranean river catchments: The T�t and the Rh�ne, Northwestern Mediterranean Sea. <i>Science of the Total Environment</i> , 2020, 716, 136984.	8.0	80
516	Towards control strategies for microplastics in urban water. <i>Environmental Science and Pollution Research</i> , 2020, 27, 40421-40433.	5.3	11
517	The contamination of inland waters by microplastic fibres under different anthropogenic pressure: Preliminary study in Central Europe (Poland). <i>Waste Management and Research</i> , 2020, 38, 1231-1238.	3.9	23

#	ARTICLE	IF	CITATIONS
518	Microplastic characterization based on the number of occupants. AIP Conference Proceedings, 2020, ,	0.4	4
519	Interaction of Invertebrates and Synthetic Polymers in Soil: A Review. Russian Journal of Ecology, 2020, 51, 503-517.	0.9	11
520	Rapid "fingerprinting"™ of potential sources of plastics in river systems: an example from the River Wye, UK. International Journal of River Basin Management, 2022, 20, 349-362.	2.7	1
521	The use of the zebrafish as a model in fish aquaculture research. Fish Physiology, 2020, 38, 273-313.	0.8	3
522	Transport of micro- and nanoplastics in the environment: Trojan-Horse effect for organic contaminants. Critical Reviews in Environmental Science and Technology, 2022, 52, 810-846.	12.8	45
523	Microplastic fiber and drought effects on plants and soil are only slightly modified by arbuscular mycorrhizal fungi. Soil Ecology Letters, 2022, 4, 32-44.	4.5	49
524	Riverine microplastic pollution matters: A case study in the Zhangjiang River of Southeastern China. Marine Pollution Bulletin, 2020, 159, 111516.	5.0	73
525	Bibliometric Profile of Global Microplastics Research from 2004 to 2019. International Journal of Environmental Research and Public Health, 2020, 17, 5639.	2.6	32
526	Inhibitory effects of polystyrene microplastics on caudal fin regeneration in zebrafish larvae. Environmental Pollution, 2020, 266, 114664.	7.5	25
527	Microplastics in Biota. , 2020, , 1-23.		0
528	Ingestion of microplastics by meiobenthic communities in small-scale microcosm experiments. Science of the Total Environment, 2020, 746, 141276.	8.0	33
529	Introduction to the Analytical Methodologies for the Analysis of Microplastics. , 2020, , 1-31.		1
530	Marine macro-litter composition and distribution along the Kenyan Coast: The first-ever documented study. Marine Pollution Bulletin, 2020, 159, 111497.	5.0	25
531	Release kinetics as a key linkage between the occurrence of flame retardants in microplastics and their risk to the environment and ecosystem: A critical review. Water Research, 2020, 185, 116253.	11.3	59
532	Microplastic contamination of drinking water: A systematic review. PLoS ONE, 2020, 15, e0236838.	2.5	167
533	Toxicological effects of microplastics and heavy metals on the Daphnia magna. Science of the Total Environment, 2020, 746, 141254.	8.0	105
534	A critical review of microplastic pollution in urban freshwater environments and legislative progress in China: Recommendations and insights. Critical Reviews in Environmental Science and Technology, 2021, 51, 2637-2680.	12.8	34
535	Long-Term Effects of Polyvinyl Chloride Microplastics on Anaerobic Granular Sludge for Recovering Methane from Wastewater. Environmental Science & Technology, 2020, 54, 9662-9671.	10.0	81

#	ARTICLE	IF	CITATIONS
536	A Review of Microplastics in Freshwater Environments: Locations, Methods, and Pollution Loads. ACS Symposium Series, 2020, , 65-90.	0.5	3
537	Mare Plasticum - The Plastic Sea. , 2020, , .		13
538	Investigation of Microplastics in Freshwater Mussels ( <i>Lasmigona costata</i> ) From the Grand River Watershed in Ontario, Canada. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	35
539	Microplastic degradation by bacteria in aquatic ecosystem. , 2020, , 431-467.		23
540	The effective design of sampling campaigns for emerging chemical and microbial contaminants in drinking water and its resources based on literature mining. Science of the Total Environment, 2020, 742, 140546.	8.0	13
541	Mapping ecological impact of microplastics on freshwater habitat in the central region of Ghana: a case study of River Akora. Geo Journal, 2022, 87, 621-639.	3.1	13
542	Environmental perspectives of microplastic pollution in the aquatic environment: a review. Marine Life Science and Technology, 2020, 2, 414-430.	4.6	36
543	An emerging class of air pollutants: Potential effects of microplastics to respiratory human health?. Science of the Total Environment, 2020, 749, 141676.	8.0	204
544	Microplastic pollution as a grand challenge in marine research: A closer look at their adverse impacts on the immune and reproductive systems. Ecotoxicology and Environmental Safety, 2020, 204, 111109.	6.0	93
545	Riverine microplastics: Behaviour, spatio-temporal variability, and recommendations for standardised sampling and monitoring. Journal of Water Process Engineering, 2020, 38, 101600.	5.6	61
546	Microplastics ingestion by blue panchax fish ( <i>Aplocheilichthys</i> sp.) from Ciliwung Estuary, Jakarta, Indonesia. Marine Pollution Bulletin, 2020, 161, 111763.	5.0	58
547	The Microplastics in Metro Manila Rivers: Characteristics, Sources, and Abatement. Handbook of Environmental Chemistry, 2020, , 405-426.	0.4	8
548	Probing Friction and Adhesion of Individual Nanoplastic Particles. Journal of Physical Chemistry C, 2020, 124, 24145-24155.	3.1	10
549	Effects of Polyethylene Microplastics on Freshwater Oligochaeta <i>Allonais inaequalis</i> (Stephenson,) Tj ETQq1 1 0.784314 rgBT /Overlook	2.4	12
550	Effects of microplastics and nanoplastics on marine environment and human health. Environmental Science and Pollution Research, 2020, 27, 44743-44756.	5.3	115
551	Evaluation the impact of polystyrene micro and nanoplastics on the methane generation by anaerobic digestion. Ecotoxicology and Environmental Safety, 2020, 205, 111095.	6.0	53
552	Microplastic and Fibre Contamination in a Remote Mountain Lake in Switzerland. Water (Switzerland), 2020, 12, 2410.	2.7	45
553	How to Make Voluntary Species Conservation Work for Pesticide Registrations. Integrated Environmental Assessment and Management, 2020, 16, 790-792.	2.9	0



#	ARTICLE	IF	CITATIONS
554	Kicking Pellet Emissions to the Curb. Integrated Environmental Assessment and Management, 2020, 16, 788-790.	2.9	7
555	Debates, Dilemmas, and Discoveries. Integrated Environmental Assessment and Management, 2020, 16, 788-788.	2.9	0
556	Micro- and Nanoplastic Exposure Effects in Microalgae: A Meta-Analysis of Standard Growth Inhibition Tests. Frontiers in Environmental Science, 2020, 8, .	3.3	24
557	A Practical Overview of Methodologies for Sampling and Analysis of Microplastics in Riverine Environments. Sustainability, 2020, 12, 6755.	3.2	87
558	Fluorescence Signatures of Dissolved Organic Matter Leached from Microplastics: Polymers and Additives. Environmental Science & Technology, 2020, 54, 11905-11914.	10.0	169
559	Identification and Quantification of Microplastics in Potable Water and Their Sources within Water Treatment Works in England and Wales. Environmental Science & Technology, 2020, 54, 12326-12334.	10.0	97
560	Microplastics removal in wastewater treatment plants: a critical review. Environmental Science: Water Research and Technology, 2020, 6, 2664-2675.	2.4	147
563	Microplastics pollution in China water ecosystems: a review of the abundance, characteristics, fate, risk and removal. Water Science and Technology, 2020, 82, 1495-1508.	2.5	8
564	Pitfalls and Limitations in Microplastic Analyses. Handbook of Environmental Chemistry, 2020, , 13-42.	0.4	13
565	Occurrence, Sources, Transport, and Fate of Microplastics in the Great Lakesâ€“St. Lawrence River Basin. Handbook of Environmental Chemistry, 2020, , 15-47.	0.4	5
566	Microplastics in a dam lake in Turkey: type, mesh size effect, and bacterial biofilm communities. Environmental Science and Pollution Research, 2020, 27, 45688-45698.	5.3	35
567	Significance of Hyporheic Exchange for Predicting Microplastic Fate in Rivers. Environmental Science and Technology Letters, 2020, 7, 727-732.	8.7	64
568	Kinetics and isotherm of cadmium adsorption onto polyethylene microbeads in artificial seawater. IOP Conference Series: Earth and Environmental Science, 2020, 476, 012130.	0.3	3
570	Influence of synthetic wastewater on entrapped air on the isotactic and atactic polypropylene microplastic surfaces. Journal of Environmental Health Science & Engineering, 2020, 18, 1569-1579.	3.0	2
571	Determination of Microplastics in Surface Water and Sediment of Kelantan Bay. IOP Conference Series: Earth and Environmental Science, 2020, 549, 012059.	0.3	5
572	Microplastics in Terrestrial Ecosystems: A Scientometric Analysis. Sustainability, 2020, 12, 8739.	3.2	46
573	Is the development of <i>Daphnia magna</i> neonates affected by short-term exposure to polyethylene microplastics?. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2020, 55, 935-946.	1.7	17
574	A Critical Review of Extraction and Identification Methods of Microplastics in Wastewater and Drinking Water. Environmental Science & Technology, 2020, 54, 7037-7049.	10.0	121



#	ARTICLE	IF	CITATIONS
575	You Are What You Eat, Microplastics in Porbeagle Sharks From the North East Atlantic: Method Development and Analysis in Spiral Valve Content and Tissue. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	23
576	Environmental Biotechnology Vol. 1. Environmental Chemistry for A Sustainable World, 2020, , .	0.5	0
577	Detection and occurrence of microplastics in the stomach of commercial fish species from a municipal water supply lake in southwestern Nigeria. <i>Environmental Science and Pollution Research</i> , 2020, 27, 31035-31045.	5.3	53
578	Pressurised Liquid Extraction and Liquid Chromatographyâ€“High Resolution Mass Spectrometry for the Simultaneous Determination of Phthalate Diesters and Their Metabolites in Seafood Species. <i>Food Analytical Methods</i> , 2020, 13, 1442-1453.	2.6	17
579	Insights into the microbial response of anaerobic granular sludge during long-term exposure to polyethylene terephthalate microplastics. <i>Water Research</i> , 2020, 179, 115898.	11.3	96
580	Microplastic Prevalence in 4 Oregon Rivers Along a Rural to Urban Gradient Applying a Costâ€“Effective Validation Technique. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1590-1598.	4.3	21
581	Influential factors on microplastics occurrence in river sediments. <i>Science of the Total Environment</i> , 2020, 738, 139901.	8.0	94
582	High-Resolution Mapping of Japanese Microplastic and Macroplastic Emissions from the Land into the Sea. <i>Water (Switzerland)</i> , 2020, 12, 951.	2.7	45
583	Adapting Coastal Collection Methods for River Assessment to Increase Data on Global Plastic Pollution: Examples From India and Indonesia. <i>Frontiers in Environmental Science</i> , 2020, 7, .	3.3	18
584	Influence of the digestive process on intestinal toxicity of polystyrene microplastics as determined by inÂvitro Caco-2 models. <i>Chemosphere</i> , 2020, 256, 127204.	8.2	66
585	Microplastic contamination on the lower Chao Phraya: Abundance, characteristic and interaction with heavy metals. <i>Chemosphere</i> , 2020, 257, 127234.	8.2	60
586	Scientistsâ€™ Warning to Humanity: Rapid degradation of the worldâ€™s large lakes. <i>Journal of Great Lakes Research</i> , 2020, 46, 686-702.	1.9	140
587	Microplastics in wild freshwater fish of different feeding habits from Beijiang and Pearl River Delta regions, south China. <i>Chemosphere</i> , 2020, 258, 127345.	8.2	87
588	Distribution of Plastic Debris in the Pacific and Caribbean Beaches of Panama. <i>Air, Soil and Water Research</i> , 2020, 13, 117862212092026.	2.5	12
589	Co-occurrence of microplastics and triclosan inhibited nitrification function and enriched antibiotic resistance genes in nitrifying sludge. <i>Journal of Hazardous Materials</i> , 2020, 399, 123049.	12.4	65
590	Effects of chronic exposure to microplastics of different polymer types on early life stages of sea trout <i>Salmo trutta</i> . <i>Science of the Total Environment</i> , 2020, 740, 139922.	8.0	39
591	Analysis of microplastics in a remote region of the Tibetan Plateau: Implications for natural environmental response to human activities. <i>Science of the Total Environment</i> , 2020, 739, 140087.	8.0	170
592	The Freshwater Commons. , 2020, , 1-33.		0

#	ARTICLE	IF	CITATIONS
593	Global Endangerment of Freshwater Biodiversity. , 2020, , 34-60.		0
594	Overexploitation. , 2020, , 61-122.		0
595	Alien Species and Their Effects. , 2020, , 123-215.		0
596	River Regulation. , 2020, , 216-258.		0
597	Vanishing Lakes and Threats to Lacustrine Biodiversity. , 2020, , 259-290.		0
598	How Will Climate Change Affect Freshwater Biodiversity?. , 2020, , 291-331.		0
599	Ecosystem Services and Incentivizing Conservation of Freshwater Biodiversity. , 2020, , 332-355.		0
600	Conservation of Freshwater Biodiversity. , 2020, , 356-398.		0
606	Polystyrene microplastics cause cardiac fibrosis by activating Wnt/ $\beta$ -catenin signaling pathway and promoting cardiomyocyte apoptosis in rats. Environmental Pollution, 2020, 265, 115025.	7.5	103
607	First quantification of semi-crystalline microplastics in industrial wastewaters. Chemosphere, 2020, 258, 127388.	8.2	46
608	Abundance and removal characteristics of microplastics at a wastewater treatment plant in Zhengzhou. Environmental Science and Pollution Research, 2020, 27, 36295-36305.	5.3	40
609	Approaching the environmental problem of microplastics: Importance of WWTP treatments. Science of the Total Environment, 2020, 740, 140016.	8.0	141
610	Distribution and characteristics of microplastics in the Yulin River, China: Role of environmental and spatial factors. Environmental Pollution, 2020, 265, 115033.	7.5	71
611	London's river of plastic: High levels of microplastics in the Thames water column. Science of the Total Environment, 2020, 740, 140018.	8.0	64
612	Quantitative <sup>1</sup> H-NMR spectroscopy as an efficient method for identification and quantification of PVC, ABS and PA microparticles. Analyst, The, 2020, 145, 5363-5371.	3.5	23
613	The Impact of Microplastic Particles on Population Dynamics of Predator and Prey: Implication of the Lotka-Volterra Model. Scientific Reports, 2020, 10, 4500.	3.3	14
614	Simple Generation of Suspensible Secondary Microplastic Reference Particles via Ultrasound Treatment. Frontiers in Chemistry, 2020, 8, 169.	3.6	53
615	Microplastics in Inland Small Waterbodies. Handbook of Environmental Chemistry, 2020, , 93-110.	0.4	3

#	ARTICLE	IF	CITATIONS
616	Chemical fingerprint of plastic litter in sediments and holothurians from Croatia: Assessment & relation to different environmental factors. <i>Marine Pollution Bulletin</i> , 2020, 153, 110994.	5.0	20
617	Microplastics Exposure Causes Negligible Effects on the Oxidative Response Enzymes Glutathione Reductase and Peroxidase in the Oligochaete <i>Tubifex tubifex</i> . <i>Toxics</i> , 2020, 8, 14.	3.7	26
618	Field study of the microplastic pollution in sea snails ( <i>Ellobium chinense</i> ) from mangrove forest and their relationships with microplastics in water/sediment located on the north of Beibu Gulf. <i>Environmental Pollution</i> , 2020, 263, 114368.	7.5	47
619	Do whitefish ( <i>Coregonus lavaretus</i> ) larvae show adaptive variation in the avoidance of microplastic ingestion?. <i>Environmental Pollution</i> , 2020, 262, 114353.	7.5	18
620	IR microspectroscopic identification of microplastics in municipal wastewater treatment plants. <i>Environmental Science and Pollution Research</i> , 2020, 27, 18557-18564.	5.3	61
621	Characteristics of Plastic Pollution in the Environment: A Review. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 577-584.	2.7	130
622	Aquatic vascular plants – A forgotten piece of nature in microplastic research. <i>Environmental Pollution</i> , 2020, 262, 114354.	7.5	78
623	Removal Effectiveness of Nanoplastics (<400 nm) with Separation Processes Used for Water and Wastewater Treatment. <i>Water (Switzerland)</i> , 2020, 12, 635.	2.7	49
624	Microplastics pollution in wastewater: Characteristics, occurrence and removal technologies. <i>Environmental Technology and Innovation</i> , 2020, 19, 101013.	6.1	74
625	Microplastics in waters and soils: Occurrence, analytical methods and ecotoxicological effects. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110910.	6.0	89
626	Microplastics in the environment: Interactions with microbes and chemical contaminants. <i>Science of the Total Environment</i> , 2020, 743, 140518.	8.0	229
627	Microplastics release phthalate esters and cause aggravated adverse effects in the mouse gut. <i>Environment International</i> , 2020, 143, 105916.	10.0	155
628	Composition, spatial distribution and sources of plastic litter on the East China Sea floor. <i>Science of the Total Environment</i> , 2020, 742, 140525.	8.0	15
629	Risk assessment of added chemicals in plastics in the Danish marine environment. <i>Marine Pollution Bulletin</i> , 2020, 157, 111298.	5.0	13
630	Unraveling consequences of soil micro- and nano-plastic pollution on soil-plant system: Implications for nitrogen (N) cycling and soil microbial activity. <i>Chemosphere</i> , 2020, 260, 127578.	8.2	106
631	Baseline meso-litter pollution in selected coastal beaches of Kenya: Where do we concentrate our intervention efforts?. <i>Marine Pollution Bulletin</i> , 2020, 158, 111420.	5.0	20
632	TUM-ParticleType: A detection and quantification tool for automated analysis of (Microplastic) particles and fibers. <i>PLoS ONE</i> , 2020, 15, e0234766.	2.5	30
633	Microbial remediation of micro-nano plastics: Current knowledge and future trends. <i>Environmental Pollution</i> , 2020, 265, 115044.	7.5	109

#	ARTICLE	IF	CITATIONS
634	Toxicity and trophic transfer of polyethylene microplastics from <i>Poecilia reticulata</i> to <i>Danio rerio</i> . <i>Science of the Total Environment</i> , 2020, 742, 140217.	8.0	59
635	Adsorption of three bivalent metals by four chemical distinct microplastics. <i>Chemosphere</i> , 2020, 248, 126064.	8.2	172
636	Distribution, abundance and risks of microplastics in the environment. <i>Chemosphere</i> , 2020, 249, 126059.	8.2	117
637	Nanoplastics Cause Neurobehavioral Impairments, Reproductive and Oxidative Damages, and Biomarker Responses in Zebrafish: Throwing up Alarms of Wide Spread Health Risk of Exposure. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1410.	4.1	210
638	Marine Litter in Transitional Water Ecosystems: State of The Art Review Based on a Bibliometric Analysis. <i>Water (Switzerland)</i> , 2020, 12, 612.	2.7	18
639	Microfiber Release to Water, Via Laundering, and to Air, via Everyday Use: A Comparison between Polyester Clothing with Differing Textile Parameters. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3288-3296.	10.0	208
640	Coagulation of $\text{TiO}_2$ , $\text{CeO}_2$ nanoparticles, and polystyrene nanoplastics in bottled mineral and surface waters. Effect of water properties, coagulant type, and dosage. <i>Water Environment Research</i> , 2020, 92, 1184-1194.	2.7	31
641	Microplastics entering northwestern Lake Ontario are diverse and linked to urban sources. <i>Water Research</i> , 2020, 174, 115623.	11.3	206
642	Thorough Multianalytical Characterization and Quantification of Micro- and Nanoplastics from Bracciano Lake's Sediments. <i>Sustainability</i> , 2020, 12, 878.	3.2	35
643	Variation in the presence and abundance of anthropogenic microfibers in the Cumberland River in Nashville, TN, USA. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10135-10139.	5.3	14
644	A first estimation of uncertainties related to microplastic sampling in rivers. <i>Science of the Total Environment</i> , 2020, 718, 137319.	8.0	28
645	Removal efficiency of micro- and nanoplastics ( $180\text{--}125\text{ }\mu\text{m}$ ) during drinking water treatment. <i>Science of the Total Environment</i> , 2020, 720, 137383.	8.0	148
646	Exposure to a microplastic mixture is altering the life traits and is causing deformities in the non-biting midge <i>Chironomus riparius</i> Meigen (1804). <i>Environmental Pollution</i> , 2020, 262, 114248.	7.5	43
647	Occurrence and characteristics of microplastics in the Haihe River: An investigation of a seagoing river flowing through a megacity in northern China. <i>Environmental Pollution</i> , 2020, 262, 114261.	7.5	96
648	Microplastics in the freshwater and terrestrial environments: Prevalence, fates, impacts and sustainable solutions. <i>Science of the Total Environment</i> , 2020, 719, 137512.	8.0	341
649	High temperature depended on the ageing mechanism of microplastics under different environmental conditions and its effect on the distribution of organic pollutants. <i>Water Research</i> , 2020, 174, 115634.	11.3	253
650	Occurrence of Microplastics in Water, Sediment and Milkfish ( <i>Chanos chanos</i> ) in Citarum River Downstream (Case Study: Muara Gembong). <i>E3S Web of Conferences</i> , 2020, 148, 07005.	0.5	5
651	Quantification of floating riverine macro-debris transport using an image processing approach. <i>Scientific Reports</i> , 2020, 10, 2198.	3.3	36

#	ARTICLE	IF	CITATIONS
652	Plastics in municipal drinking water and wastewater treatment plant effluents: challenges and opportunities for South Africa—a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 12953-12966.	5.3	29
653	Occurrence of microplastics in epipelagic and mesopelagic fishes from Tuticorin, Southeast coast of India. <i>Science of the Total Environment</i> , 2020, 720, 137614.	8.0	93
654	Identification and visualisation of microplastics/nanoplastics by Raman imaging (i): Down to 100Ånm. <i>Water Research</i> , 2020, 174, 115658.	11.3	169
655	A Review of Microplastics in Table Salt, Drinking Water, and Air: Direct Human Exposure. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3740-3751.	10.0	559
656	Occurrence, Fate and Fluxes of Plastics and Microplastics in Terrestrial and Freshwater Ecosystems. <i>Reviews of Environmental Contamination and Toxicology</i> , 2020, 250, 1-43.	1.3	19
657	High levels of pelagic plastic pollution within the surface waters of Lakes Erie and Ontario. <i>Journal of Great Lakes Research</i> , 2020, 46, 277-288.	1.9	39
658	Plastic abundance and seasonal variation on the shorelines of three volcanic lakes in Central Italy: can amphipods help detect contamination?. <i>Environmental Science and Pollution Research</i> , 2020, 27, 14711-14722.	5.3	33
659	Riverine anthropogenic litter load to the Mediterranean Sea near the metropolitan area of Barcelona, Spain. <i>Science of the Total Environment</i> , 2020, 714, 136807.	8.0	69
660	Microplastics integrating the zooplanktonic fraction in a saline lake of Argentina: influence of water management. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 117.	2.7	27
661	Distribution, abundance, and diversity of microplastics in the upper St. Lawrence River. <i>Environmental Pollution</i> , 2020, 260, 113994.	7.5	109
662	Polyvinyl chloride microplastics induce growth inhibition and oxidative stress in <i>Cyprinus carpio</i> var. larvae. <i>Science of the Total Environment</i> , 2020, 716, 136479.	8.0	159
663	The flowing of microplastics was accelerated under the influence of artificial flood generated by hydropower station. <i>Journal of Cleaner Production</i> , 2020, 255, 120174.	9.3	16
664	Estimation of plastic waste inputs from land into the Caspian Sea: A significant unseen marine pollution. <i>Marine Pollution Bulletin</i> , 2020, 151, 110871.	5.0	51
665	Microplastic ingestion by quagga mussels, <i>Dreissena bugensis</i> , and its effects on physiological processes. <i>Environmental Pollution</i> , 2020, 260, 113964.	7.5	72
666	Surface-Related Toxicity of Polystyrene Beads to Nematodes and the Role of Food Availability. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1790-1798.	10.0	94
667	Microbial degradation and other environmental aspects of microplastics/plastics. <i>Science of the Total Environment</i> , 2020, 715, 136968.	8.0	392
668	Rainfall is a significant environmental factor of microplastic pollution in inland waters. <i>Science of the Total Environment</i> , 2020, 732, 139065.	8.0	136
670	Sources, transport, measurement and impact of nano and microplastics in urban watersheds. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 275-336.	8.1	69

#	ARTICLE	IF	CITATIONS
671	Microalgal-based biopolymer for nano- and microplastic removal: a possible biosolution for wastewater treatment. <i>Environmental Pollution</i> , 2020, 263, 114385.	7.5	85
672	Polystyrene microplastics decrease accumulation of essential fatty acids in common freshwater algae. <i>Environmental Pollution</i> , 2020, 263, 114425.	7.5	46
673	A New Contaminant Superhighway? A Review of Sources, Measurement Techniques and Fate of Atmospheric Microplastics. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	88
674	The geography and geology of plastics. , 2020, , 33-63.		10
675	Plastic waste in the terrestrial environment. , 2020, , 163-193.		20
676	Impact of microplastics on microbial community in sediments of the Huangjinxia Reservoir water source of a water diversion project in western China. <i>Chemosphere</i> , 2020, 253, 126740.	8.2	57
677	Influence of microplastics on nutrients and metal concentrations in river sediments. <i>Environmental Pollution</i> , 2020, 263, 114490.	7.5	37
678	Changes of the acute and chronic toxicity of three antimicrobial agents to <i>Daphnia magna</i> in the presence/absence of micro-polystyrene. <i>Environmental Pollution</i> , 2020, 263, 114551.	7.5	30
679	Characteristics of microplastic polymer-derived dissolved organic matter and its potential as a disinfection byproduct precursor. <i>Water Research</i> , 2020, 175, 115678.	11.3	117
680	Sorption Behavior and Mechanisms of Organic Contaminants to Nano and Microplastics. <i>Molecules</i> , 2020, 25, 1827.	3.8	115
681	Microplastics in aquatic environment: characterization, ecotoxicological effect, implications for ecosystems and developments in South Africa. <i>Environmental Science and Pollution Research</i> , 2020, 27, 22271-22291.	5.3	40
682	First evidence of microplastics bioaccumulation by marine organisms in the Port Blair Bay, Andaman Islands. <i>Marine Pollution Bulletin</i> , 2020, 155, 111163.	5.0	98
683	In situ surface-enhanced Raman spectroscopy for detecting microplastics and nanoplastics in aquatic environments. <i>Science of the Total Environment</i> , 2020, 728, 138449.	8.0	165
684	Microplastic Contamination in Freshwater Environments: A Review, Focusing on Interactions with Sediments and Benthic Organisms. <i>Environments - MDPI</i> , 2020, 7, 30.	3.3	202
685	Plastic Debris in the Marine Environment: History and Future Challenges. <i>Global Challenges</i> , 2020, 4, 1900081.	3.6	139
686	Toxicological effects of nano- and micro-polystyrene plastics on red tilapia: Are larger plastic particles more harmless?. <i>Journal of Hazardous Materials</i> , 2020, 396, 122693.	12.4	137
687	Polystyrene microplastics (PS-MPs) toxicity induced oxidative stress and intestinal injury in nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , 2020, 726, 138679.	8.0	120
688	Microplastic pollution reduction by a carbon and nitrogen-doped TiO <sub>2</sub> : Effect of pH and temperature in the photocatalytic degradation process. <i>Journal of Hazardous Materials</i> , 2020, 395, 122632.	12.4	212

#	ARTICLE	IF	CITATIONS
689	Microplastic pollution in the littoral sediments of the northern part of the Oman Sea. <i>Marine Pollution Bulletin</i> , 2020, 155, 111166.	5.0	43
690	Microplastics in Salt of Tuticorin, Southeast Coast of India. <i>Archives of Environmental Contamination and Toxicology</i> , 2020, 79, 111-121.	4.1	69
691	Research progress in sources, analytical methods, eco-environmental effects, and control measures of microplastics. <i>Chemosphere</i> , 2020, 254, 126790.	8.2	150
692	First report on the presence of small microplastics (â‰‰ 3Â¼m) in tissue of the commercial fish <i>Serranus scriba</i> (Linnaeus. 1758) from Tunisian coasts and associated cellular alterations. <i>Environmental Pollution</i> , 2020, 263, 114576.	7.5	87
693	Microplastics in fishes and their living environments surrounding a plastic production area. <i>Science of the Total Environment</i> , 2020, 727, 138662.	8.0	65
694	The effects of three different microplastics on enzyme activities and microbial communities in soil. <i>Water Environment Research</i> , 2021, 93, 24-32.	2.7	147
695	Effects of hydrodynamics on the crossâ€sectional distribution and transport of plastic in an urban coastal river. <i>Water Environment Research</i> , 2021, 93, 186-200.	2.7	45
696	Environmental fate, toxicity and risk management strategies of nanoplastics in the environment: Current status and future perspectives. <i>Journal of Hazardous Materials</i> , 2021, 401, 123415.	12.4	325
697	Ingestion and toxicity of microplastics in the freshwater gastropod <i>Lymnaea stagnalis</i> : No microplastic-induced effects alone or in combination with copper. <i>Chemosphere</i> , 2021, 263, 128040.	8.2	51
698	Biomicroplastics versus conventional microplastics: An insight on the toxicity of these polymers in dragonfly larvae. <i>Science of the Total Environment</i> , 2021, 761, 143231.	8.0	39
699	Odi et Amo: A nudge to reduce the consumption of single-use carrier bags. <i>Waste Management</i> , 2021, 120, 382-391.	7.4	10
700	Study of a stream in Argentina with a high concentration of microplastics: Preliminary analysis of the methodology. <i>Science of the Total Environment</i> , 2021, 760, 143390.	8.0	19
701	Biodegradable Plastics: Standards, Policies, and Impacts. <i>ChemSusChem</i> , 2021, 14, 56-72.	6.8	186
702	Spectroscopic analysis of microplastic contaminants in an urban wastewater treatment plant from Seoul, South Korea. <i>Chemosphere</i> , 2021, 263, 127812.	8.2	37
703	Microplastic pollution and ecological risk assessment in an estuarine environment: The Dongshan Bay of China. <i>Chemosphere</i> , 2021, 262, 127876.	8.2	129
704	A review of microplastics aggregation in aquatic environment: Influence factors, analytical methods, and environmental implications. <i>Journal of Hazardous Materials</i> , 2021, 402, 123496.	12.4	184
705	Exposure to polystyrene microplastics impairs gonads of zebrafish ( <i>Danio rerio</i> ). <i>Chemosphere</i> , 2021, 263, 128161.	8.2	101
706	Microplastics as an emerging threat to the freshwater ecosystems of Veeranam lake in south India: A multidimensional approach. <i>Chemosphere</i> , 2021, 264, 128502.	8.2	80



#	ARTICLE	IF	CITATIONS
707	Insights on the inhibition of anaerobic digestion performances under short-term exposure of metal-doped nanoplastics via <i>Methanosarcina acetivorans</i> . <i>Environmental Pollution</i> , 2021, 275, 115755.	7.5	22
708	The influence of different polymer types of microplastics on adsorption, accumulation, and toxicity of triclosan in zebrafish. <i>Journal of Hazardous Materials</i> , 2021, 402, 123733.	12.4	73
709	Perturbation of calcium homeostasis and multixenobiotic resistance by nanoplastics in the ciliate <i>Tetrahymena thermophila</i> . <i>Journal of Hazardous Materials</i> , 2021, 403, 123923.	12.4	17
710	Emerging contaminants in the water bodies of the Middle East and North Africa (MENA): A critical review. <i>Science of the Total Environment</i> , 2021, 754, 142177.	8.0	75
711	Plastic in agricultural soils – A global risk for groundwater systems and drinking water supplies? – A review. <i>Chemosphere</i> , 2021, 264, 128453.	8.2	89
712	Effects of anthropogenic discharge and hydraulic deposition on the distribution and accumulation of microplastics in surface sediments of a typical seagoing river: The Haihe River. <i>Journal of Hazardous Materials</i> , 2021, 404, 124180.	12.4	57
713	Microplastics in wastewater outlets of Bandar Abbas city (Iran): A potential point source of microplastics into the Persian Gulf. <i>Chemosphere</i> , 2021, 262, 128039.	8.2	80
714	Hazardous microplastic characteristics and its role as a vector of heavy metal in groundwater and surface water of coastal south India. <i>Journal of Hazardous Materials</i> , 2021, 402, 123786.	12.4	198
715	Critical evaluation of biodegradation studies on synthetic plastics through a systematic literature review. <i>Science of the Total Environment</i> , 2021, 752, 141959.	8.0	97
716	Microplastics pollution in mangrove ecosystems: A critical review of current knowledge and future directions. <i>Science of the Total Environment</i> , 2021, 753, 142041.	8.0	96
717	Microplastics in African ecosystems: Current knowledge, abundance, associated contaminants, techniques, and research needs. <i>Science of the Total Environment</i> , 2021, 755, 142422.	8.0	94
718	Behavioral and biochemical consequences of <i>Danio rerio</i> larvae exposure to polylactic acid bioplastic. <i>Journal of Hazardous Materials</i> , 2021, 404, 124152.	12.4	37
719	Microplastic pollution in surface water and sediments in the urban section of the Vistula River (Poland). <i>Science of the Total Environment</i> , 2021, 762, 143111.	8.0	70
720	Microplastics in freshwater ecosystems: a recent review of occurrence, analysis, potential impacts, and research needs. <i>Environmental Science and Pollution Research</i> , 2021, 28, 1341-1356.	5.3	70
721	Impact of metal additives on particle emission profiles from a fused filament fabrication 3D printer. <i>Atmospheric Environment</i> , 2021, 244, 117956.	4.1	30
722	Microplastics in the coral reefs and their potential impacts on corals: A mini-review. <i>Science of the Total Environment</i> , 2021, 762, 143112.	8.0	95
723	Sorption and desorption of petroleum hydrocarbons on biodegradable and nondegradable microplastics. <i>Chemosphere</i> , 2021, 273, 128553.	8.2	69
724	Polystyrene nanoplastic induces oxidative stress, immune defense, and glycometabolism change in <i>Daphnia pulex</i> : Application of transcriptome profiling in risk assessment of nanoplastics. <i>Journal of Hazardous Materials</i> , 2021, 402, 123778.	12.4	99



#	ARTICLE	IF	CITATIONS
725	Physiological effects of plastic particles on mussels are mediated by food presence. Journal of Hazardous Materials, 2021, 404, 124136.	12.4	46
726	Uptake, accumulation and associated cellular alterations of environmental samples of microplastics in the seaworm <i>Hediste diversicolor</i> . Journal of Hazardous Materials, 2021, 406, 124287.	12.4	34
727	Toxicity of polystyrene microplastics on juvenile <i>Oncorhynchus mykiss</i> (rainbow trout) after individual and combined exposure with chlorpyrifos. Journal of Hazardous Materials, 2021, 403, 123980.	12.4	74
728	Occurrence of microplastic particles in the most popular Iranian bottled mineral water brands and an assessment of human exposure. Journal of Water Process Engineering, 2021, 39, 101708.	5.6	71
729	Occurrence, toxicity and risk assessment of plastic additives in Besos river, Spain. Chemosphere, 2021, 263, 128022.	8.2	45
730	Microplastic and other anthropogenic microparticles in water and sediments of Lake Simcoe. Journal of Great Lakes Research, 2021, 47, 180-189.	1.9	45
731	Sampling and processing methods of microplastics in river sediments - A review. Science of the Total Environment, 2021, 758, 143691.	8.0	61
732	A systematic review of the literature on plastic pollution in the Laurentian Great Lakes and its effects on freshwater biota. Journal of Great Lakes Research, 2021, 47, 120-133.	1.9	29
733	Research progress of nanoplastics in freshwater. Science of the Total Environment, 2021, 757, 143791.	8.0	56
734	Fate and effects of microplastics in wastewater treatment processes. Science of the Total Environment, 2021, 757, 143902.	8.0	64
735	Size-dependent toxic effects of polystyrene microplastic exposure on <i>Microcystis aeruginosa</i> growth and microcystin production. Science of the Total Environment, 2021, 761, 143265.	8.0	75
736	The occurrence and abundance of microplastics in surface water and sediment of the West River downstream, in the south of China. Science of the Total Environment, 2021, 756, 143857.	8.0	102
737	Microplastics with cadmium inhibit the growth of <i>Vallisneria spiralis</i> (Lour.) Hara rather than reduce cadmium toxicity. Chemosphere, 2021, 266, 128979.	8.2	54
738	From source to sink: Review and prospects of microplastics in wetland ecosystems. Science of the Total Environment, 2021, 758, 143633.	8.0	77
739	Quantification and composition analysis of plastic pollution in riverine beaches of the lower Paraná River, Argentina. Environmental Science and Pollution Research, 2021, 28, 16140-16151.	5.3	11
740	Scientific studies on microplastics pollution in Iran: An in-depth review of the published articles. Marine Pollution Bulletin, 2021, 162, 111901.	5.0	32
741	Distribution and removal characteristics of microplastics in different processes of the leachate treatment system. Waste Management, 2021, 120, 240-247.	7.4	59
742	Global challenges in microplastics: From fundamental understanding to advanced degradations toward sustainable strategies. Chemosphere, 2021, 267, 129275.	8.2	38

#	ARTICLE	IF	CITATIONS
743	The entering of polyethylene terephthalate microplastics into biological wastewater treatment system affects aerobic sludge digestion differently from their direct entering into sludge treatment system. <i>Water Research</i> , 2021, 190, 116731.	11.3	55
744	Microplastics in marine environment: a review on sources, classification, and potential remediation by membrane technology. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 243-258.	2.4	65
745	Toxicity and biomarkers of micro-plastic in aquatic environment: a review. <i>Biomarkers</i> , 2021, 26, 13-25.	1.9	27
746	Experimental field evidence for transport of microplastic tracers over large distances in an alluvial aquifer. <i>Journal of Hazardous Materials</i> , 2021, 408, 124844.	12.4	47
747	Modeling behaviors of permeable non-spherical micro-plastic aggregates by aggregation/sedimentation in turbulent freshwater flow. <i>Journal of Hazardous Materials</i> , 2021, 406, 124660.	12.4	6
748	Calcium carbonate deposits and microbial assemblages on microplastics in oligotrophic freshwaters. <i>Chemosphere</i> , 2021, 266, 128942.	8.2	10
749	Environmental source, fate, and toxicity of microplastics. <i>Journal of Hazardous Materials</i> , 2021, 407, 124357.	12.4	414
750	Plastic pollution in aquatic systems in Bangladesh: A review of current knowledge. <i>Science of the Total Environment</i> , 2021, 761, 143285.	8.0	45
751	“Microplastic communities” in different environments: Differences, links, and role of diversity index in source analysis. <i>Water Research</i> , 2021, 188, 116574.	11.3	119
752	Pelagic microplastics in surface water of the Eastern Indian Ocean during monsoon transition period: Abundance, distribution, and characteristics. <i>Science of the Total Environment</i> , 2021, 755, 142629.	8.0	61
753	Gathering at the top? Environmental controls of microplastic uptake and biomagnification in freshwater food webs. <i>Environmental Pollution</i> , 2021, 268, 115750.	7.5	75
754	Recent Developments in Extraction, Identification, and Quantification of Microplastics from Agricultural Soil and Groundwater. <i>Microorganisms for Sustainability</i> , 2021, , 125-143.	0.7	2
755	Microplastics and nanoplastics in the environment: Macroscopic transport and effects on creatures. <i>Journal of Hazardous Materials</i> , 2021, 407, 124399.	12.4	200
756	Microplastics in freshwater sediment: A review on methods, occurrence, and sources. <i>Science of the Total Environment</i> , 2021, 754, 141948.	8.0	245
757	Microplastics as emerging atmospheric pollutants: a review and bibliometric analysis. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 203-215.	3.3	64
758	Corrosion permeability resistance of concrete with nanoplastics as admixture. <i>Cogent Engineering</i> , 2021, 8, .	2.2	1
759	Current Treatment Technologies for Removal of Microplastic and Microfiber Pollutants From Wastewater. , 2021, , 237-251.		13
760	Macroplastic and Microplastic in the Freshwater Environment of Southern Iraq: Evidences Obtained from Freshwater Fish Species. , 2021, , 1353-1374.		0

#	ARTICLE	IF	CITATIONS
761	Microplastics as a potential risk for aquatic environment organisms – a review. Acta Veterinaria Brno, 2021, 90, 99-107.	0.5	13
762	Effects of Microplastics in the Cryosphere. , 2021, , 1-46.		2
763	Microplastics from textile origin – emission and reduction measures. Green Chemistry, 2021, 23, 5247-5271.	9.0	21
764	Plastic particles in soil: state of the knowledge on sources, occurrence and distribution, analytical methods and ecological impacts. Environmental Sciences: Processes and Impacts, 2021, 23, 240-274.	3.5	44
765	The influence of textile finishing agents on the biodegradability of shed fibres. Green Chemistry, 2021, 23, 5212-5221.	9.0	23
766	Degradation of Plastics by Fungi. , 2021, , 650-661.		2
767	Bibliometrics and visualization analysis regarding research on the development of microplastics. Environmental Science and Pollution Research, 2021, 28, 8953-8967.	5.3	28
768	Remediation of Water Pollution by Plastics. Environmental Chemistry for A Sustainable World, 2021, , 89-117.	0.5	3
769	Stable Isotope Insights into Microplastic Contamination within Freshwater Food Webs. Environmental Science & Technology, 2021, 55, 1024-1035.	10.0	47
770	The Production and Applications of Microbial-Derived Polyhydroxybutyrates. , 2021, , 3-43.		4
771	Effects of Microplastics in the Cryosphere. , 2021, , 1-46.		0
772	The occurrence of microplastics in gut contents of endemic barb Sahyadria chalakkudiensis (Menon,) Tj ETQq1 1 0.784314 rgBT /Ove Journal of Fisheries and Aquatic Studies, 2021, 9, 272-280.	0.2	0
773	Qualitative and Quantitative Assessment of Plastic Debris in the Coastal Eco System of Matara District, Sri Lanka. , 2021, , 277-290.		0
774	Microplastics in Freshwater Environments and Implications for Aquatic Ecosystems: A Mini Review and Future Directions in Ghana. Journal of Geoscience and Environment Protection, 2021, 09, 58-74.	0.5	5
775	Microplastics distribution in the Eurasian Arctic is affected by Atlantic waters and Siberian rivers. Communications Earth & Environment, 2021, 2, .	6.8	68
776	Microplastics in the Marine Environment: Sources, Fates, Impacts and Microbial Degradation. Toxics, 2021, 9, 41.	3.7	66
777	PET-microplastics as a vector for polycyclic aromatic hydrocarbons in a simulated plant rhizosphere zone. Environmental Technology and Innovation, 2021, 21, 101370.	6.1	22
778	Microfibers from synthetic textiles as a major source of microplastics in the environment: A review. Textile Research Journal, 2021, 91, 2136-2156.	2.2	99

#	ARTICLE	IF	CITATIONS
779	A review of microplastic distribution in sediment profiles. <i>Marine Pollution Bulletin</i> , 2021, 163, 111973.	5.0	87
780	Use of the Zebra Mussel <i>Dreissena polymorpha</i> (Mollusca, Bivalvia) as a Bioindicator of Microplastics Pollution in Freshwater Ecosystems: A Case Study from Lake Iseo (North Italy). <i>Water (Switzerland)</i> , 2021, 13, 434.	2.7	26
781	Micro and Nanoplastics Identification: Classic Methods and Innovative Detection Techniques. <i>Frontiers in Toxicology</i> , 2021, 3, 636640.	3.1	113
782	Nationwide monitoring of microplastics in bivalves from the coastal environment of Korea. <i>Environmental Pollution</i> , 2021, 270, 116175.	7.5	113
783	Copper-binding properties of microplastic-derived dissolved organic matter revealed by fluorescence spectroscopy and two-dimensional correlation spectroscopy. <i>Water Research</i> , 2021, 190, 116775.	11.3	53
784	Micro and Nanoplastics analysis: Focus on their classification, sources, and impacts in marine environment. <i>Regional Studies in Marine Science</i> , 2021, 42, 101625.	0.7	15
785	Polystyrene microplastics cause granulosa cells apoptosis and fibrosis in ovary through oxidative stress in rats. <i>Toxicology</i> , 2021, 449, 152665.	4.2	157
786	Heteroaggregates of Polystyrene Nanospheres and Organic Matter: Preparation, Characterization and Evaluation of Their Toxicity to Algae in Environmentally Relevant Conditions. <i>Nanomaterials</i> , 2021, 11, 482.	4.1	15
787	Plastic pollution: A focus on freshwater biodiversity. <i>Ambio</i> , 2021, 50, 1313-1324.	5.5	64
788	Performance of rapid sand filter “single media to remove microplastics. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 2273-2284.	2.1	27
789	Occurrence, fate and removal of microplastics as heavy metal vector in natural wastewater treatment wetland system. <i>Water Research</i> , 2021, 192, 116853.	11.3	146
790	Effects of urbanisation and a wastewater treatment plant on microplastic densities along a subtropical river system. <i>Environmental Science and Pollution Research</i> , 2021, 28, 36102-36111.	5.3	28
791	Microplastics from headwaters to tap water: occurrence and removal in a drinking water treatment plant in Barcelona Metropolitan area (Catalonia, NE Spain). <i>Environmental Science and Pollution Research</i> , 2021, 28, 59462-59472.	5.3	71
792	Newly Emerging Airborne Pollutants: Current Knowledge of Health Impact of Micro and Nanoplastics. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2997.	2.6	61
793	Organic pollutants adsorbed on microplastics: Analytical methodologies and occurrence in oceans. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 29, e00114.	10.3	46
794	Microplastics in Surface Waters and Sediments from Guangdong Coastal Areas, South China. <i>Sustainability</i> , 2021, 13, 2691.	3.2	39
795	The need to investigate continuums of plastic particle diversity, brackish environments and trophic transfer to assess the risk of micro and nanoplastics on aquatic organisms. <i>Environmental Pollution</i> , 2021, 273, 116449.	7.5	19
796	Application of failure mode and effects analysis to reduce microplastic emissions. <i>Waste Management and Research</i> , 2021, 39, 744-753.	3.9	0

#	ARTICLE	IF	CITATIONS
797	Influence of polystyrene microplastic and nanoplastic on copper toxicity in two freshwater microalgae. <i>Environmental Science and Pollution Research</i> , 2021, 28, 33649-33668.	5.3	45
798	Ridding our rivers of plastic: A framework for plastic pollution capture device selection. <i>Marine Pollution Bulletin</i> , 2021, 165, 112095.	5.0	49
799	The Effect of Wastewater Treatment Methods on the Retainment of Plastic Microparticles. , 0, , .		1
800	Occurrence and removal of microplastics from wastewater treatment plants in a typical tourist city in China. <i>Journal of Cleaner Production</i> , 2021, 291, 125968.	9.3	81
801	Evidence of microplastics in wetlands: Extraction and quantification in Freshwater and coastal ecosystems. <i>Journal of Water Process Engineering</i> , 2021, 40, 101966.	5.6	68
802	Abundance and distribution of microplastics in Baturusa watershed of Bangka Belitung Islands Province. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 744, 012064.	0.3	0
803	Interactions between microplastics, pharmaceuticals and personal care products: Implications for vector transport. <i>Environment International</i> , 2021, 149, 106367.	10.0	276
804	Source, distribution and emerging threat of micro- and nanoplastics to marine organism and human health: Socio-economic impact and management strategies. <i>Environmental Research</i> , 2021, 195, 110857.	7.5	79
805	Evaluating the Environmental Impacts of Personal Protective Equipment Use by the General Population during the COVID-19 Pandemic: A Case Study of Lombardy (Northern Italy). <i>Environments - MDPI</i> , 2021, 8, 33.	3.3	19
806	Microplastic pollution of bottled water in China. <i>Journal of Water Process Engineering</i> , 2021, 40, 101884.	5.6	50
807	Optimising sample preparation for FTIR-based microplastic analysis in wastewater and sludge samples: multiple digestions. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3789-3799.	3.7	39
808	Film entrainment and microplastic particles retention during gas invasion in suspension-filled microchannels. <i>Water Research</i> , 2021, 194, 116919.	11.3	20
809	Impacts of Plastic-Made Packaging on Marine Key Species: Effects Following Water Acidification and Ecological Implications. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 432.	2.6	15
810	Microplastics in the Aquatic Environment: Occurrence, Persistence, Analysis, and Human Exposure. <i>Water (Switzerland)</i> , 2021, 13, 973.	2.7	56
811	To What Extent Can Micro- and Macroplastics Be Trapped in Sedimentary Particles? A Case Study Investigating Dredged Sediments. <i>Environmental Science &amp; Technology</i> , 2021, 55, 5898-5905.	10.0	18
812	Development of an adverse outcome pathway for nanoplastic toxicity in <i>Daphnia pulex</i> using proteomics. <i>Science of the Total Environment</i> , 2021, 766, 144249.	8.0	55
813	Presence of microplastics in drinking water from freshwater sources: the investigation in Changsha, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42313-42324.	5.3	61
814	Research Progress in Transfer, Accumulation and Effects of Microplastics in the Oceans. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 433.	2.6	15

#	ARTICLE	IF	CITATIONS
815	Abundance and characteristics of microplastics in freshwater and treated tap water in Bangkok, Thailand. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 258.	2.7	26
816	Understanding plastic degradation and microplastic formation in the environment: A review. <i>Environmental Pollution</i> , 2021, 274, 116554.	7.5	559
817	Transgenerational effects on development following microplastic exposure in <i>Drosophila melanogaster</i> . <i>PeerJ</i> , 2021, 9, e11369.	2.0	20
818	Post-consumer plastic packaging waste flow analysis for Brazil: The challenges moving towards a circular economy. <i>Waste Management</i> , 2021, 126, 781-790.	7.4	35
819	Size-dependent chronic toxicity of fragmented polyethylene microplastics to <i>Daphnia magna</i> . <i>Chemosphere</i> , 2021, 271, 129591.	8.2	99
820	Effects of Polyester Microplastic Fiber Contamination on Amphibian–Trematode Interactions. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 869-879.	4.3	11
821	Response of sediment-dwelling bivalves to microplastics and its potential implications for benthic processes. <i>Science of the Total Environment</i> , 2021, 769, 144302.	8.0	16
822	Microplastics contamination in the surface water of the Yangtze River from upstream to estuary based on different sampling methods. <i>Environmental Research</i> , 2021, 196, 110908.	7.5	60
823	Microplastics occurrence in the commercial Southeast Asian seafood and its impact on food safety and security: A review. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 756, 012008.	0.3	0
824	Plastic microfibre pollution: how important is clothes™ laundering?. <i>Heliyon</i> , 2021, 7, e07105.	3.2	61
825	Influence of dissolved black carbon on the aggregation and deposition of polystyrene nanoplastics: Comparison with dissolved humic acid. <i>Water Research</i> , 2021, 196, 117054.	11.3	36
826	Plastic as a Vector of Dispersion for Marine Species With Invasive Potential. A Review. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	48
828	Ingestion of microplastics by free-living marine nematodes, especially <i>Enoploilaimus</i> spp., in Mallipo Beach, South Korea. <i>Plankton and Benthos Research</i> , 2021, 16, 109-117.	0.6	7
829	Investigation of the Adsorption of Sulfamethoxazole by Degradable Microplastics Artificially Aged by Chemical Oxidation. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 81, 155-165.	4.1	34
830	Assessing public preferences for deep sea ecosystem conservation: a choice experiment in Norway and Scotland. <i>Journal of Environmental Economics and Policy</i> , 0, , 1-20.	2.5	3
831	Microplastics have shape- and polymer-dependent effects on soil aggregation and organic matter loss – an experimental and meta-analytical approach. <i>Microplastics and Nanoplastics</i> , 2021, 1, .	8.8	53
832	Considerations on salts used for density separation in the extraction of microplastics from sediments. <i>Marine Pollution Bulletin</i> , 2021, 166, 112216.	5.0	64
833	Magnetic Ferrous Fluid for Microplastics Extraction Application. <i>Materials Science Forum</i> , 0, 1030, 138-145.	0.3	3

#	ARTICLE	IF	CITATIONS
834	Reconstructing the Environmental Degradation of Polystyrene by Accelerated Weathering. <i>Environmental Science &amp; Technology</i> , 2021, 55, 7930-7938.	10.0	94
835	Assessing small-scale freshwater microplastics pollution, land-use, source-to-sink conduits, and pollution risks: Perspectives from Japanese rivers polluted with microplastics. <i>Science of the Total Environment</i> , 2021, 768, 144655.	8.0	103
836	Measurement, quantification, and potential risk of microplastics in the mainstream of the Pearl River (Xijiang River) and its estuary, Southern China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 53127-53140.	5.3	25
837	Microplastics (MPs) Act as Sources and Vector of Pollutantsâ€”Impact Hazards and Preventive Measures. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 722-729.	2.7	15
838	Plastisphere enrich antibiotic resistance genes and potential pathogenic bacteria in sewage with pharmaceuticals. <i>Science of the Total Environment</i> , 2021, 768, 144663.	8.0	66
839	Are Honey Bees at Risk from Microplastics?. <i>Toxics</i> , 2021, 9, 109.	3.7	29
840	Sources, Fate, and Impact of Microplastics in Aquatic Environment. , 0, , .		3
841	Urbanization and hydrological conditions drive the spatial and temporal variability of microplastic pollution in the Garonne River. <i>Science of the Total Environment</i> , 2021, 769, 144479.	8.0	67
842	The pathways of microplastics contamination in raw and drinking water. <i>Journal of Water Process Engineering</i> , 2021, 41, 102073.	5.6	10
843	Synthetic Lubricants Derived from Plastic Waste and their Tribological Performance. <i>ChemSusChem</i> , 2021, 14, 4181-4189.	6.8	25
844	Microplastics in the Aquatic Environmentâ€”The Occurrence, Sources, Ecological Impacts, Fate, and Remediation Challenges. <i>Pollutants</i> , 2021, 1, 95-118.	2.1	27
845	Effects of microplastics and glyphosate on growth rate, morphological plasticity, photosynthesis, and oxidative stress in the aquatic species <i>Salvinia cucullata</i> . <i>Environmental Pollution</i> , 2021, 279, 116900.	7.5	74
846	Microplastics in landfill leachates: The need for reconnaissance studies and remediation technologies. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100072.	6.1	86
847	Microplastics in lakeshore and lakebed sediments â€” External influences and temporal and spatial variabilities of concentrations. <i>Environmental Research</i> , 2021, 197, 111141.	7.5	32
848	Use of Cause-and-Effect Analysis to Optimize the Reliability of <i>In Vitro</i> Inhalation Toxicity Measurements Using an Airâ€”Liquid Interface. <i>Chemical Research in Toxicology</i> , 2021, 34, 1370-1385.	3.3	11
849	Settling velocity of irregularly shaped microplastics under steady and dynamic flow conditions. <i>Environmental Science and Pollution Research</i> , 2021, 28, 62116-62132.	5.3	29
850	Incidence of Watershed Land Use on the Consumption of Meso and Microplastics by Fish Communities in Uruguayan Lowland Streams. <i>Water (Switzerland)</i> , 2021, 13, 1575.	2.7	12
851	Microplastic particles in the aquatic environment: A systematic review. <i>Science of the Total Environment</i> , 2021, 775, 145793.	8.0	101



#	ARTICLE	IF	CITATIONS
852	A comparative review of microplastics and nanoplastics: Toxicity hazards on digestive, reproductive and nervous system. <i>Science of the Total Environment</i> , 2021, 774, 145758.	8.0	173
853	Holographic fingerprint as a morphological marker to identify micro-plastics. , 2021, , .		0
854	Presence and Quantification of Microplastic in Urban Tap Water: A Pre-Screening in Brasilia, Brazil. <i>Sustainability</i> , 2021, 13, 6404.	3.2	21
855	The role of <i>Crassostrea gigas</i> (Thunberg, 1793) in the vertical microplastic transfer: A plankton-benthos linkage laboratory protocol. <i>Food Webs</i> , 2021, 27, e00189.	1.2	3
856	Cloning of Acetoacetyl-CoA reductase and Polyhydroxybutyrate synthase genes from the local isolate <i>Bacillus aryabhatai</i> 6N-NRC into <i>Escherichia coli</i> . <i>Research Journal of Pharmacy and Technology</i> , 2021, , 3299-3306.	0.8	0
857	Environmental emission, fate and transformation of microplastics in biotic and abiotic compartments: Global status, recent advances and future perspectives. <i>Science of the Total Environment</i> , 2021, 791, 148422.	8.0	37
858	Diversity and structure of microbial biofilms on microplastics in riverine waters of the Pearl River Delta, China. <i>Chemosphere</i> , 2021, 272, 129870.	8.2	36
859	Characteristics and removal efficiency of microplastics in sewage treatment plant of Xi'an City, northwest China. <i>Science of the Total Environment</i> , 2021, 771, 145377.	8.0	49
860	Evaluation of membranes performance for microplastic removal in a simple and low-cost filtration system. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100075.	6.1	41
861	Microplastics pollution in the South American Pantanal. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100088.	6.1	14
862	Effects of polystyrene in the brackish water flea <i>Diaphanosoma celebensis</i> : Size-dependent acute toxicity, ingestion, egestion, and antioxidant response. <i>Aquatic Toxicology</i> , 2021, 235, 105821.	4.0	30
863	Freshwater alga <i>Raphidocelis subcapitata</i> undergoes metabolomic changes in response to electrostatic adhesion by micrometer-sized nylon 6 particles. <i>Environmental Science and Pollution Research</i> , 2021, 28, 66901-66913.	5.3	10
864	Microplastics and Their Effect in Horticultural Crops: Food Safety and Plant Stress. <i>Agronomy</i> , 2021, 11, 1528.	3.0	14
865	Bibliometric Analysis on the Papers Dedicated to Microplastics in Wastewater Treatments. <i>Catalysts</i> , 2021, 11, 913.	3.5	13
866	Drivers of biodiversity loss in freshwater environments: A bibliometric analysis of the recent literature. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 2469-2480.	2.0	21
867	Ecotoxicological and physiological risks of microplastics on fish and their possible mitigation measures. <i>Science of the Total Environment</i> , 2021, 779, 146433.	8.0	91
868	Nano and microplastic interactions with freshwater biota – Current knowledge, challenges and future solutions. <i>Environment International</i> , 2021, 152, 106504.	10.0	91
869	Microplastic pollution characteristic in surface water and freshwater fish of Gehu Lake, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 67203-67213.	5.3	29

#	ARTICLE	IF	CITATIONS
870	Characteristics and distribution of microplastics in the surface water of the Songhua River in China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 64268-64277.	5.3	4
871	Plastic Recovery and Utilization: From Ocean Pollution to Green Economy. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	13
872	Preliminary study on impacts of polystyrene microplastics on the hematological system and gene expression in bone marrow cells of mice. <i>Ecotoxicology and Environmental Safety</i> , 2021, 218, 112296.	6.0	33
873	A comprehensive review on assessment of plastic debris in aquatic environment and its prevalence in fishes and other aquatic animals in India. <i>Science of the Total Environment</i> , 2021, 779, 146421.	8.0	17
874	Insights into the horizontal and vertical profiles of microplastics in a river emptying into the sea affected by intensive anthropogenic activities in Northern China. <i>Science of the Total Environment</i> , 2021, 779, 146589.	8.0	39
875	Historic fish samples from the Southeast USA lack microplastics. <i>Science of the Total Environment</i> , 2021, 776, 145923.	8.0	9
876	Recent Advancements in Photocatalytic Valorization of Plastic Waste to Chemicals and Fuels. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	4.8	31
877	The Marine Debris Nexus. , 2021, , 83-101.		2
878	Natural and anthropogenic effects on microplastic distribution in a hypersaline lagoon. <i>Science of the Total Environment</i> , 2021, 776, 145803.	8.0	33
879	Biodegradable Material for Oyster Reef Restoration: First-Year Performance and Biogeochemical Considerations in a Coastal Lagoon. <i>Sustainability</i> , 2021, 13, 7415.	3.2	13
880	Effects of microplastics on head kidney gene expression and enzymatic biomarkers in adult zebrafish. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 245, 109037.	2.6	11
881	Combined polystyrene microplastics and chlorpyrifos decrease levels of nutritional parameters in muscle of rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Environmental Science and Pollution Research</i> , 2021, 28, 64908-64920.	5.3	18
882	Effects of Urban Hydrology on Plastic Transport in a Subtropical River. <i>ACS ES&amp;T Water</i> , 2021, 1, 1714-1727.	4.6	22
883	A Review of Chemical Contaminants in Marine and Fresh Water Fish in Nigeria. <i>Foods</i> , 2021, 10, 2013.	4.3	6
884	Microplastics particle size affects cloth filter performance. <i>Journal of Water Process Engineering</i> , 2021, 42, 102166.	5.6	5
885	The thermal regime modifies the response of aquatic keystone species <i>Daphnia</i> to microplastics: Evidence from population fitness, accumulation, histopathological analysis and candidate gene expression. <i>Science of the Total Environment</i> , 2021, 783, 147154.	8.0	27
886	Generation of microplastic particles during degradation of polycarbonate films in various aqueous media and their characterization. <i>Journal of Hazardous Materials</i> , 2021, 415, 125640.	12.4	24
887	Abundance, composition, and fate of microplastics in water, sediment, and shellfish in the Tapi-Phumduang River system and Bandon Bay, Thailand. <i>Science of the Total Environment</i> , 2021, 781, 146700.	8.0	90

#	ARTICLE	IF	CITATIONS
888	Plastics in biosolids from 1950 to 2016: A function of global plastic production and consumption. <i>Water Research</i> , 2021, 201, 117367.	11.3	77
889	Effects of polyethylene-type microplastics on the growth and primary production of the freshwater phytoplankton species <i>Scenedesmus armatus</i> and <i>Microcystis aeruginosa</i> . <i>Environmental and Experimental Botany</i> , 2021, 188, 104510.	4.2	13
890	Microplastic Pollution in the Surface Waters from Plain and Mountainous Lakes in Siberia, Russia. <i>Water (Switzerland)</i> , 2021, 13, 2287.	2.7	20
891	Chronic feeding exposure to virgin and spiked microplastics disrupts essential biological functions in teleost fish. <i>Journal of Hazardous Materials</i> , 2021, 415, 125626.	12.4	45
892	Evidence-based meta-analysis of the genotoxicity induced by microplastics in aquatic organisms at environmentally relevant concentrations. <i>Science of the Total Environment</i> , 2021, 783, 147076.	8.0	30
893	Microplastics menace: the new emerging lurking environmental issue, a review on sampling and quantification in aquatic environments. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 1081-1094.	3.5	4
894	Microplastics in shellfish and implications for food safety. <i>Current Opinion in Food Science</i> , 2021, 40, 192-197.	8.0	34
895	Face masks: protecting the wearer but neglecting the aquatic environment? - A perspective from Bangladesh. <i>Environmental Challenges</i> , 2021, 4, 100126.	4.2	28
896	Microplastic and Organic Fibres in Feeding, Growth and Mortality of <i>Gammarus pulex</i> . <i>Environments - MDPI</i> , 2021, 8, 74.	3.3	1
897	Microplastic ingestion by Characidae in rural streams (Rio Grande do Sul, Brazil). <i>Biotemas</i> , 2021, 34, 1-6.	0.1	2
898	Synthesis of dominant plastic microfibre prevalence and pollution control feasibility in Chinese freshwater environments. <i>Science of the Total Environment</i> , 2021, 783, 146863.	8.0	23
899	Reusing plastic waste in the production of bricks and paving blocks: a review. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 6941-6974.	2.1	10
900	Microplastic pollution in Southern Atlantic marine waters: Review of current trends, sources, and perspectives. <i>Science of the Total Environment</i> , 2021, 782, 146541.	8.0	31
901	Nano/micro plastics “ Challenges on quantification and remediation: A review. <i>Journal of Water Process Engineering</i> , 2021, 42, 102128.	5.6	28
902	Microplastics induced histopathological lesions in some tissues of tilapia ( <i>Oreochromis niloticus</i> ) early juveniles. <i>Tissue and Cell</i> , 2021, 71, 101512.	2.2	39
903	Suborganismal responses of the aquatic midge <i>Chironomus riparius</i> to polyethylene microplastics. <i>Science of the Total Environment</i> , 2021, 783, 146981.	8.0	21
904	Microplastics in aquatic environments: A review on occurrence, distribution, toxic effects, and implications for human health. <i>Science of the Total Environment</i> , 2021, 780, 146551.	8.0	103
905	Influence of wastewater treatment process on pollution characteristics and fate of microplastics. <i>Marine Pollution Bulletin</i> , 2021, 169, 112448.	5.0	21

#	ARTICLE	IF	CITATIONS
906	Combined hepatotoxicity of imidacloprid and microplastics in adult zebrafish: Endpoints at gene transcription. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 246, 109043.	2.6	21
907	Microplastics in soil: A review on methods, occurrence, sources, and potential risk. Science of the Total Environment, 2021, 780, 146546.	8.0	374
908	Distinct profile of bacterial community and antibiotic resistance genes on microplastics in Ganjiang River at the watershed level. Environmental Research, 2021, 200, 111363.	7.5	48
909	Evidence of Microplastic Translocation in Wild-Caught Fish and Implications for Microplastic Accumulation Dynamics in Food Webs. Environmental Science & Technology, 2021, 55, 12372-12382.	10.0	116
910	Hydrological and hydrogeological characteristics and environmental assessment of Hashilan Wetland, a national heritage in NW Iran. Ecohydrology and Hydrobiology, 2022, 22, 141-154.	2.3	4
911	Example of Removing Printing Ink from Plastic Surface Using Quaternary Ammonium Modified Waste Cooking Oil. Environmental Technology (United Kingdom), 2021, , 1-22.	2.2	1
912	Results of a 30-day safety assessment in young mice orally exposed to polystyrene nanoparticles. Environmental Pollution, 2022, 292, 118184.	7.5	31
913	Effects induced by polyethylene microplastics oral exposure on colon mucin release, inflammation, gut microflora composition and metabolism in mice. Ecotoxicology and Environmental Safety, 2021, 220, 112340.	6.0	85
914	Removal characteristics and mechanism of microplastics and tetracycline composite pollutants by coagulation process. Science of the Total Environment, 2021, 786, 147508.	8.0	67
915	Systematical review of interactions between microplastics and microorganisms in the soil environment. Journal of Hazardous Materials, 2021, 418, 126288.	12.4	123
916	Microplastics's origin, distribution, and rising hazard to aquatic organisms and human health: Socio-economic insinuations and management solutions. Regional Studies in Marine Science, 2021, 48, 102018.	0.7	16
917	Microplastic removal in conventional drinking water treatment processes: Performance, mechanism, and potential risk. Water Research, 2021, 202, 117417.	11.3	79
918	Interaction of plastic particles with heavy metals and the resulting toxicological impacts: a review. Environmental Science and Pollution Research, 2021, 28, 60291-60307.	5.3	19
919	Microplastics in the Environment: Intake through the Food Web, Human Exposure and Toxicological Effects. Toxics, 2021, 9, 224.	3.7	105
920	Photocatalytic and biological technologies for elimination of microplastics in water: Current status. Science of the Total Environment, 2022, 806, 150603.	8.0	46
921	Biofilm growth on buoyant microplastics leads to changes in settling rates: Implications for microplastic retention in the Great Lakes. Marine Pollution Bulletin, 2021, 170, 112573.	5.0	62
922	Current Insights into Potential Effects of Micro-Nanoplastics on Human Health by in-vitro Tests. Frontiers in Toxicology, 2021, 3, 752140.	3.1	28
923	Detection of Microplastics in Water and Ice. Remote Sensing, 2021, 13, 3532.	4.0	1

#	ARTICLE	IF	CITATIONS
924	Extraction and identification methods of microplastics and nanoplastics in agricultural soil: A review. <i>Journal of Environmental Management</i> , 2021, 294, 112997.	7.8	66
925	Coagulation of polyvinyl chloride microplastics by ferric and aluminium sulphate: Optimisation of reaction conditions and removal mechanisms. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106465.	6.7	25
926	Role of ocean tidal asymmetry and estuarine geometry in the fate of plastic debris from ocean sources within tidal estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 259, 107470.	2.1	7
927	Big eyes can't see microplastics: Feeding selectivity and eco-morphological adaptations in oral cavity affect microplastic uptake in mud-dwelling amphibious mudskipper fish. <i>Science of the Total Environment</i> , 2021, 786, 147445.	8.0	29
928	Mitigation of membrane fouling by nano/microplastics via surface chemistry control. <i>Journal of Membrane Science</i> , 2021, 633, 119379.	8.2	32
929	Microplastics Occurrence in Surface Waters and Sediments in Five River Mouths of Manila Bay. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	36
930	Microplastic: A potential threat to human and animal health by interfering with the intestinal barrier function and changing the intestinal microenvironment. <i>Science of the Total Environment</i> , 2021, 785, 147365.	8.0	97
931	Polystyrene Nanoplastic Behavior and Toxicity on Crustacean <i>Daphnia magna</i> : Media Composition, Size, and Surface Charge Effects. <i>Environments - MDPI</i> , 2021, 8, 101.	3.3	14
932	Transport and accumulation of microplastics through wastewater treatment sludge processes. <i>Chemosphere</i> , 2021, 278, 130471.	8.2	62
933	Mechanisms and the Engineering Approaches for the Degradation of Microplastics. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 1481-1501.	7.6	65
934	The potential of aerial insectivores for monitoring microplastics in terrestrial environments. <i>Science of the Total Environment</i> , 2022, 807, 150453.	8.0	22
935	Goals and approaches in the use of citizen science for exploring plastic pollution in freshwater ecosystems: A review. <i>Freshwater Science</i> , 2021, 40, 567-579.	1.8	13
936	The release inhibition of organic substances from microplastics in the presence of algal derived organic matters: Influence of the molecular weight-dependent inhibition heterogeneities. <i>Environmental Research</i> , 2021, 200, 111424.	7.5	11
937	Microplastic pollution in aquatic environments with special emphasis on riverine systems: Current understanding and way forward. <i>Journal of Environmental Management</i> , 2021, 293, 112860.	7.8	40
938	Microplastics as a vehicle of exposure to chemical contamination in freshwater systems: Current research status and way forward. <i>Journal of Hazardous Materials</i> , 2021, 417, 125980.	12.4	27
939	Editorial Overview: Emissions of Microplastics and Their Control in the Environment. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	1.4	11
940	Separation of microplastics from mass-limited samples by an effective adsorption technique. <i>Science of the Total Environment</i> , 2021, 788, 147881.	8.0	24
941	The quantity and quality assessment of microplastics in the freshwater fishes: A systematic review and meta-analysis. <i>Regional Studies in Marine Science</i> , 2021, 47, 101955.	0.7	10

#	ARTICLE	IF	CITATIONS
942	Microplastic abundance, characteristics and removal in large-scale multi-stage constructed wetlands for effluent polishing in northern China. <i>Chemical Engineering Journal</i> , 2022, 430, 132752.	12.7	45
943	Gradual effects of gradient concentrations of polystyrene nanoplastics on metabolic processes of the razor clams. <i>Environmental Pollution</i> , 2021, 287, 117631.	7.5	23
944	Soil pH has a stronger effect than arsenic content on shaping plastisphere bacterial communities in soil. <i>Environmental Pollution</i> , 2021, 287, 117339.	7.5	35
945	Microplastic pollution in sophisticated urban river systems: Combined influence of land-use types and physicochemical characteristics. <i>Environmental Pollution</i> , 2021, 287, 117604.	7.5	17
946	The Py-TOF-MS analysis and characterization of microplastics (MPs) in a wastewater treatment plant in Gauteng Province, South Africa. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112478.	6.0	13
947	Macroplastics contamination on glaciers from Italian Central-Western Alps. <i>Environmental Advances</i> , 2021, 5, 100084.	4.8	15
948	Microplastic pollution in Chinese urban rivers: The influence of urban factors. <i>Resources, Conservation and Recycling</i> , 2021, 173, 105686.	10.8	60
949	Microplastics in inland freshwater environments with different regional functions: A case study on the Chengdu Plain. <i>Science of the Total Environment</i> , 2021, 789, 147938.	8.0	35
950	Distribution, abundance and spatial variability of microplastic pollution on the surface of Lake Superior. <i>Journal of Great Lakes Research</i> , 2021, 47, 1358-1364.	1.9	10
951	Plastic pollution during COVID-19: Plastic waste directives and its long-term impact on the environment. <i>Environmental Advances</i> , 2021, 5, 100119.	4.8	153
952	The stimulation of microbial activity by microplastic contributes to membrane fouling in ultrafiltration. <i>Journal of Membrane Science</i> , 2021, 635, 119477.	8.2	34
953	Orally administered nano-polystyrene caused vitellogenin alteration and oxidative stress in the red swamp crayfish ( <i>Procambarus clarkii</i> ). <i>Science of the Total Environment</i> , 2021, 791, 147984.	8.0	19
954	Nanoplastics adsorption and removal efficiency by granular activated carbon used in drinking water treatment process. <i>Science of the Total Environment</i> , 2021, 791, 148175.	8.0	55
955	Modeling study on fate of micro/nano-plastics in micro/nano-hydrodynamic flow of freshwater. <i>Journal of Hazardous Materials</i> , 2021, 419, 126397.	12.4	5
956	Evaluation of characteristics and microbial community of anaerobic granular sludge under microplastics and aromatic carboxylic acids exposure. <i>Science of the Total Environment</i> , 2021, 792, 148361.	8.0	15
957	Micro(nano)plastics as an emerging risk factor to the health of amphibian: A scientometric and systematic review. <i>Chemosphere</i> , 2021, 283, 131090.	8.2	31
958	Fast and easy quantification of semi-crystalline microplastics in exemplary environmental matrices by differential scanning calorimetry (DSC). <i>Chemical Engineering Journal</i> , 2021, 423, 129941.	12.7	32
959	Adsorption behaviour and interaction of organic micropollutants with nano and microplastics – A review. <i>Science of the Total Environment</i> , 2021, 797, 149140.	8.0	77



#	ARTICLE	IF	CITATIONS
960	Experimental and mathematical modeling approaches for biocatalytic post-consumer poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.8	9
961	Aging microplastics in wastewater pipeline networks and treatment processes: Physicochemical characteristics and Cd adsorption. <i>Science of the Total Environment</i> , 2021, 797, 148940.	8.0	26
962	Single and combined effects of microplastics, pyrethroid and food resources on the life-history traits and microbiome of <i>Chironomus riparius</i> . <i>Environmental Pollution</i> , 2021, 289, 117848.	7.5	16
963	Microplastic residues in wetland ecosystems: Do they truly threaten the plant-microbe-soil system?. <i>Environment International</i> , 2021, 156, 106708.	10.0	115
964	Marine microplastics in the surface waters of "pristine" Kuroshio. <i>Marine Pollution Bulletin</i> , 2021, 172, 112808.	5.0	9
965	Understanding the fragmentation of microplastics into nano-plastics and removal of nano/microplastics from wastewater using membrane, air flotation and nano-ferrofluid processes. <i>Chemosphere</i> , 2021, 282, 131053.	8.2	72
966	Microplastics pollution: A comprehensive review on the sources, fates, effects, and potential remediation. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100530.	2.9	24
967	Microplastics in the Koshi River, a remote alpine river crossing the Himalayas from China to Nepal. <i>Environmental Pollution</i> , 2021, 290, 118121.	7.5	48
968	The effect of polyethylene terephthalate and abamectin on oxidative damages and expression of vtg and cyp1a genes in juvenile zebrafish. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100565.	2.9	3
969	Occurrence and characterization of microplastic content in the digestive system of riverine fishes. <i>Journal of Environmental Management</i> , 2021, 299, 113620.	7.8	15
970	Plastisphere in freshwaters: An emerging concern. <i>Environmental Pollution</i> , 2021, 290, 118123.	7.5	40
971	Nucleation and detachment of polystyrene nanoparticles from plowing-induced surface wrinkling. <i>Applied Surface Science Advances</i> , 2021, 6, 100148.	6.8	3
972	Continental microplastics: Presence, features, and environmental transport pathways. <i>Science of the Total Environment</i> , 2021, 799, 149447.	8.0	51
973	Microplastics and environmental pollutants: Key interaction and toxicology in aquatic and soil environments. <i>Journal of Hazardous Materials</i> , 2022, 422, 126843.	12.4	220
974	Effects of ingestion of polyethylene microplastics on survival rate, opercular respiration rate and swimming performance of African catfish ( <i>Clarias gariepinus</i> ). <i>Journal of Hazardous Materials</i> , 2022, 423, 127237.	12.4	36
975	Transport of ellipsoidal microplastic particles in a 3D lid-driven cavity under size and aspect ratio variation. <i>Applied Mathematics and Computation</i> , 2022, 413, 126646.	2.2	2
976	Intertidal zone effects on Occurrence, fate and potential risks of microplastics with perspectives under COVID-19 pandemic. <i>Chemical Engineering Journal</i> , 2022, 429, 132351.	12.7	15
977	Microplastics accumulation in functional feeding guilds and functional habit groups of freshwater macrobenthic invertebrates: Novel insights in a riverine ecosystem. <i>Science of the Total Environment</i> , 2022, 804, 150207.	8.0	42



#	ARTICLE	IF	CITATIONS
978	Investigation into the impact of aged microplastics on oil behavior in shoreline environments. Journal of Hazardous Materials, 2022, 421, 126711.	12.4	25
979	The presence of cationic polyacrylamide attenuated the toxicity of polyvinyl chloride microplastics to anaerobic digestion of waste activated sludge. Chemical Engineering Journal, 2022, 427, 131442.	12.7	10
980	Adverse effects of dietary virgin (nano)microplastics on growth performance, immune response, and resistance to ammonia stress and pathogen challenge in juvenile sea cucumber <i>Apostichopus japonicus</i> (Selenka). Journal of Hazardous Materials, 2022, 423, 127038.	12.4	27
981	Is microplastic an oxidative stressor? Evidence from a meta-analysis on bivalves. Journal of Hazardous Materials, 2022, 423, 127211.	12.4	72
982	Microplastics as Pollutants in the Marine Environment. , 2021, , 373-399.		3
983	Feasibility Evaluation on Single-Collector Collision Model to Separate Microplastics in Micro Bubble Flotation Process. Daehan Hwan'gyeong Gonghag Hoeji, 2021, 43, 10-19.	1.1	0
984	The Effect of Wastewater Treatment Plants on Retainment of Plastic Microparticles to Enhance Water Quality—A Review. Journal of Environmental Protection, 2021, 12, 161-195.	0.7	8
985	Unlocking Water Issues Towards Food Security in Africa. , 0, , .		2
986	Analysis of Chemical Compounds Related to Microplastics. , 2021, , 1-49.		0
987	A review on the occurrence, distribution, characteristics, and analysis methods of microplastic pollution in ecosystem s. Environmental Pollutants and Bioavailability, 2021, 33, 227-246.	3.0	17
988	Research Status of Microplastics in the Water Environment. Water Pollution and Treatment, 2021, 09, 20-28.	0.0	0
989	Advances in thermoplastic starch-based biopolymers: Fabrication and improvement. , 2021, , 205-255.		1
990	Metagenomics: A powerful lens viewing the microbial world. , 2021, , 309-339.		4
991	Nanomaterial and microplastic-based contamination in water and its health risk assessment. , 2021, , 251-264.		0
992	Protocol for microplastic pollution monitoring in freshwater ecosystems: Towards a high-throughput sample processing - MICROPLASTREAM. MethodsX, 2021, 8, 101396.	1.6	4
993	Einleitung: Mikroplastik – eine wachsende Gefahr für Mensch und Umwelt. , 2019, , 1-13.		1
994	Megaplastics to Nanoplastics: Emerging Environmental Pollutants and Their Environmental Impacts. Microorganisms for Sustainability, 2019, , 205-235.	0.7	2
996	Comparing microplastics contaminants in (dry and raining) seasons for Ox- Bow Lake in Yenagoa, Nigeria. Ecotoxicology and Environmental Safety, 2020, 198, 110656.	6.0	63

#	ARTICLE	IF	CITATIONS
997	Microplastics in a deep, dimictic lake of the North German Plain with special regard to vertical distribution patterns. <i>Environmental Pollution</i> , 2020, 267, 115507.	7.5	35
998	Interactive effects between sinking polyethylene terephthalate (PET) microplastics deriving from water bottles and a benthic grazer. <i>Journal of Hazardous Materials</i> , 2020, 398, 122848.	12.4	31
999	Transport and characterization of microplastics in inland waterways. <i>Journal of Water Process Engineering</i> , 2020, 38, 101640.	5.6	30
1000	Bioremediation as a promising strategy for microplastics removal in wastewater treatment plants. <i>Marine Pollution Bulletin</i> , 2020, 156, 111252.	5.0	81
1002	Microplastics in the Environment. <i>Issues in Environmental Science and Technology</i> , 2018, , 60-81.	0.4	13
1003	Microplastics in the gastrointestinal tracts of fish and the water from an urban prairie creek. <i>Facets</i> , 2017, 2, 395-409.	2.4	140
1004	Microplastic Pollution in the Ambient Air of Surabaya, Indonesia. <i>Current World Environment Journal</i> , 2019, 14, 290-298.	0.5	40
1005	Plastic microbeads from cosmetic products: an experimental study of their hydrodynamic behaviour, vertical transport and resuspension in phytoplankton and sediment aggregates. <i>Elementa</i> , 2018, 6, .	3.2	50
1006	First record of microplastics in two freshwater fish species ( <i>Iheringthys labrosus</i> and <i>Astyanax</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 42	0.4	13
1007	Plastic Litter as Pollutant in the Aquatic Environment: A mini-review. <i>Jurnal Ilmiah Perikanan Dan Kelautan</i> , 2020, 12, 167.	0.4	5
1009	Assessment of the Mechanical Properties of Pet Polymer Material from Recovered Plastic Bottles. <i>Present Environment and Sustainable Development</i> , 2018, 12, 203-214.	0.3	2
1010	Microplastics and microfibers in the sludge of a municipal wastewater treatment plant. <i>International Journal of Sustainable Development and Planning</i> , 2016, 11, 812-821.	0.7	66
1011	Microplastics of different characteristics are incorporated into the larval cases of the freshwater caddisfly <i>Lepidostoma basale</i> . <i>Aquatic Biology</i> , 2019, 28, 67-77.	1.4	51
1012	Preliminary Screening for Microplastic Concentrations in the Surface Water of the Ob and Tom Rivers in Siberia, Russia. <i>Sustainability</i> , 2021, 13, 80.	3.2	30
1013	Microplastics in urban New Jersey freshwaters: distribution, chemical identification, and biological affects. <i>AIMS Environmental Science</i> , 2017, 4, 809-826.	1.4	27
1014	Organic compounds associated with microplastic pollutants in New Jersey, U.S.A. surface waters. <i>AIMS Environmental Science</i> , 2019, 6, 445-459.	1.4	13
1015	Effect of macro-and micro-plastics in soil on growth of Juvenile Lime Tree ( <i>Citrus aurantium</i> ). <i>AIMS Environmental Science</i> , 2020, 7, 526-541.	1.4	21
1016	Microplastics as Emerging Contaminants. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020, , 31-44.	0.4	1

#	ARTICLE	IF	CITATIONS
1017	Microplastics and Wastewater Treatment Plants—A Review. <i>Journal of Water Resource and Protection</i> , 2020, 12, 1-35.	0.8	101
1018	The occurrence of microplastics in freshwater systems – preliminary results from Krakow (Poland). <i>Geology Geophysics &amp; Environment</i> , 2018, 44, 391.	1.0	13
1020	Extractable Additives in Microplastics: A Hidden Threat to Soil Fauna. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1021	Battling the known unknowns: a synoptic review of aquatic plastics research from Australia, the United Kingdom and China. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1663-1680.	3.5	1
1022	Wie ist ein nachhaltiger Umgang mit Plastik möglich?. , 2021, , 175-195.		0
1023	Metodologia de extração de microplásticos associados a sedimentos de ambientes de Água doce. <i>Engenharia Sanitaria E Ambiental</i> , 2021, 26, 749-756.	0.5	1
1024	Phytotoxic Effects of Polyethylene Microplastics on the Growth of Food Crops Soybean ( <i>Glycine max</i> ) and Mung Bean ( <i>Vigna radiata</i> ). <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10629.	2.6	22
1025	Combined effects of copper and microplastics on physiological parameters of <i>Tubastrea aurea</i> corals. <i>Environmental Science and Pollution Research</i> , 2022, 29, 14393-14399.	5.3	7
1026	Effects of high-molecular-weight polyvinyl chloride on <i>Xenopus laevis</i> adults and embryos: the mRNA expression profiles of Myf5, Esr1, Bmp4, Pax6, and Hsp70 genes during early embryonic development. <i>Environmental Science and Pollution Research</i> , 2022, 29, 14767-14779.	5.3	2
1027	Comparison of Different Procedures for Separating Microplastics from Sediments. <i>Water (Switzerland)</i> , 2021, 13, 2854.	2.7	9
1028	Effects of polypropylene, polyvinyl chloride, polyethylene terephthalate, polyurethane, high-density polyethylene, and polystyrene microplastic on <i>Nelumbo nucifera</i> (Lotus) in water and sediment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 17580-17590.	5.3	34
1029	Retention and Dimensional Changes of Supplemental Evergreen Brush Piles within a Flood Control Reservoir. <i>Journal of Fish and Wildlife Management</i> , 0, , .	0.9	1
1030	The Microplastic Cycle: An Introduction to a Complex Issue. <i>Environmental Contamination Remediation and Management</i> , 2022, , 1-16.	1.0	5
1031	Modification of Poly(lactic acid) by the Plasticization for Application in the Packaging Industry. <i>Polymers</i> , 2021, 13, 3651.	4.5	13
1032	Spatial distribution and potential sources of microplastics in the Songhua River flowing through urban centers in Northeast China. <i>Environmental Pollution</i> , 2022, 292, 118384.	7.5	24
1033	Particles rather than released Zn <sup>2+</sup> from ZnO nanoparticles aggravate microplastics toxicity in early stages of exposed zebrafish and their unexposed offspring. <i>Journal of Hazardous Materials</i> , 2022, 424, 127589.	12.4	34
1034	Analysis of composite microplastics in sediment using 3D Raman spectroscopy and imaging method. <i>Journal of Hazardous Materials Advances</i> , 2021, 3, 100016.	3.0	8
1035	Environmental Impacts of Personal Protective Clothing Used to Combat COVID-19. <i>Advanced Sustainable Systems</i> , 2022, 6, 2100176.	5.3	48

#	ARTICLE	IF	CITATIONS
1036	Anthropogenic litter in freshwater bodies and their estuaries: an empirical analysis in Lesvos, Greece. Environmental Science and Pollution Research, 2022, 29, 16563-16575.	5.3	5
1037	Improved solutions for shared value creation and maximization from used clothes: Streamlined structure of clothing consumption system and a framework of closed loop hybrid business model. Cleaner and Responsible Consumption, 2021, 3, 100039.	3.0	3
1038	Polystyrene microplastics disturb maternal-fetal immune balance and cause reproductive toxicity in pregnant mice. Reproductive Toxicology, 2021, 106, 42-50.	2.9	66
1039	Microplastics in rivers and coastal waters of the province of Esmeraldas, Ecuador. Marine Pollution Bulletin, 2021, 173, 113067.	5.0	16
1040	Knowledge acquisition and environmental values in a microplastic learning module: Does the learning environment matter?. Studies in Educational Evaluation, 2021, 71, 101091.	2.3	4
1041	The Origin and Fate of Microplastics in Saltmarshes. , 2017, , 104.		0
1042	Nanocatalysis for Green Chemistry. , 2018, , 1-28.		1
1043	Think Globally, Act Locally: Learning It Through Microplastic Problems. Trends in the Sciences, 2018, 23, 2_32-2_35.	0.0	0
1044	Wicked Water Systems: A Review of Challenges and Opportunities. , 0, , .		1
1045	The Fluorescent Probe Method in Investigation of the State of Erythrocyte Membranes in White Rats at Exposure to Chemical Environmental Factors. Ukraïns'kij Å¾urnal Medicini BÅ¬ologÅ¬ Ta Sportu, 2018, 3, 0.2 299-303.		0
1046	Microplastics: An Unsafe Pathway from Aquatic Environment to Healthâ€”A Review. SpringerBriefs in Environmental Science, 2019, , 67-72.	0.3	0
1047	Distribution and Sources of Hydrocarbon Compounds in Sediments from Obhur Lagoon: Red Sea Coast of Saudi Arabia. Springer Oceanography, 2019, , 133-146.	0.3	1
1049	Microplastics as Contaminant in FreshWater Ecosystem: A Modern Environmental Issue. , 2019, , 355-377.		1
1050	Nanocatalysis for Green Chemistry. , 2019, , 83-109.		0
1051	Mikroplastik in der aquatischen Umwelt. Essentials, 2019, , 23-32.	0.1	0
1052	A novel method for scatterers type enumeration in polydisperse suspensions through fiber trapping and unsupervised scattering analysis. , 2019, , .		0
1054	Assessment of Microplastics in the Great Plains: Comparing Densities in Water and Benthic Sediment Across Kansas. Transactions of the Kansas Academy of Science, 2019, 122, 281.	0.1	3
1055	Causes and Effects of Water Pollution in Romania. Springer Water, 2020, , 57-131.	0.3	1

#	ARTICLE	IF	CITATIONS
1056	Organic Matter in the Hydrosphere. , 2020, , 823-845.		1
1057	Estimation of Different Categories of Healthcare Waste Generated at Two Different Hospital Categories in Four Hospitals in Dar es Salaam City. Journal of Environmental Protection, 2020, 11, 872-888.	0.7	10
1058	Antagonistic effects of copper and microplastics in single and binary mixtures on development and reproduction in the freshwater cladoceran Daphnia carinata. Environmental Technology and Innovation, 2021, 24, 102045.	6.1	9
1059	Global meta-analysis of microplastic contamination in reservoirs with a novel framework. Water Research, 2021, 207, 117828.	11.3	68
1060	Marine Litter: Are There Solutions to This Environmental Challenge?. Springer Water, 2020, , 39-44.	0.3	0
1061	Determination of Microplastics in Sediment of Kelantan and Pattani Bay. IOP Conference Series: Earth and Environmental Science, 0, 596, 012060.	0.3	0
1062	Occurrence and Removal of Pesticides in Drinking Water. Sustainable Agriculture Reviews, 2021, , 233-257.	1.1	0
1063	Microplastics in freshwater: A global review of factors affecting spatial and temporal variations. Environmental Pollution, 2022, 292, 118393.	7.5	129
1064	Occurrence, stability and source identification of small size microplastics in the Jiayan reservoir, China. Science of the Total Environment, 2022, 807, 150832.	8.0	22
1065	Role of Microorganisms in Eco-remediation. , 2020, , 1-39.		0
1066	Microplastics: An Emerging Threat to the Aquatic Ecosystem. Environmental Chemistry for A Sustainable World, 2020, , 113-143.	0.5	0
1067	Erosion Behaviour of Different Microplastic Particles. Springer Water, 2020, , 319-325.	0.3	1
1068	Fate and Behavior of Microplastics in Freshwater Systems. , 2020, , 1-31.		1
1069	Investigation of the Urban Factors Affecting Microplastic Pollution in Chinese Cities: The Case of Ningbo. Environmental Science and Engineering, 2020, , 325-341.	0.2	0
1070	Organic Matter in the Hydrosphere. , 2020, , 1-23.		0
1071	Zavãdãanalytick© metody pro kvalitativnãstanovenãmikroplastã ve vodãich. Entecho, 2020, 3, 1-6.	0.1	0
1072	âœDown by the Riverâ (Micro-) Plastic Pollution of Running Freshwaters with Special Emphasis on the Austrian Danube. , 2020, , 141-185.		5
1073	Hydrologic controls on the accumulation of different sized microplastics in the streambed sediments downstream of a wastewater treatment plant (Catalonia, Spain). Environmental Research Letters, 2021, 16, 115012.	5.2	14

#	ARTICLE	IF	CITATIONS
1074	Adsorption behavior of Cu(II) and Cr(VI) on aged microplastics in antibiotics-heavy metals coexisting system. <i>Chemosphere</i> , 2022, 291, 132794.	8.2	80
1075	Nehirlerde Mikroplastik Kirliliği ve Hidrodinamik Modellenmesi. <i>European Journal of Science and Technology</i> , 0, , .	0.5	2
1076	Uptake of plastic microbeads by ciliate <i>Paramecium aurelia</i> . <i>Science Technology and Innovation</i> , 2020, 9, 1-9.	0.0	1
1077	Pesticides in Drinking Water and Removal Techniques. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 321-345.	0.5	0
1078	Spatial distribution of microplastics in Chinese freshwater ecosystem and impacts on food webs. <i>Environmental Pollution</i> , 2022, 293, 118494.	7.5	13
1079	Microplastic in the subsurface system: Extraction and characterization from sediments of River Ganga near Patna, Bihar. , 2022, , 191-217.		6
1080	Interaction of micro(nano)plastics with extracellular and intracellular biomolecules in the freshwater environment. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 4241-4265.	12.8	21
1081	Micro-plastic pollution in marine, freshwater and soil environment: a research and patent analysis. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 11935-11962.	3.5	5
1082	What Is the Impact of Microplastics and Lipid Regulators on Marine Meiofauna? Case Study of Polyvinyl Chloride, Atorvastatin, and Simvastatin. <i>Sustainability</i> , 2021, 13, 13190.	3.2	2
1083	Potentially Poisonous Plastic Particles: Microplastics as a Vector for Cyanobacterial Toxins Microcystin-LR and Microcystin-LF. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15940-15949.	10.0	41
1084	The occurrence and abundance of microplastics in surface water of the midstream and downstream of the Cisadane River, Indonesia. <i>Chemosphere</i> , 2022, 291, 133071.	8.2	37
1085	Characterization of Microplastic-Associated Biofilm Development along a Freshwater-Estuarine Gradient. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16402-16412.	10.0	44
1086	Effectively remove printing ink from plastic surface over quaternary ammonium modified waste cooking oil. <i>Environmental Technology (United Kingdom)</i> , 2021, , 1-21.	2.2	2
1087	Degradation of Microplastics by a Thermal Fenton Reaction. <i>ACS ES&amp;T Engineering</i> , 2022, 2, 110-120.	7.6	75
1088	Ecotoxicity of microplastics to freshwater biota: Considering exposure and hazard across trophic levels. <i>Science of the Total Environment</i> , 2022, 816, 151638.	8.0	46
1089	Microplastics increase susceptibility of amphibian larvae to the chytrid fungus <i>Batrachochytrium dendrobatidis</i> . <i>Scientific Reports</i> , 2021, 11, 22438.	3.3	18
1090	Microplastics throughout a tap water supply network. <i>Water and Environment Journal</i> , 2022, 36, 292-298.	2.2	9
1091	The presence of polystyrene nanoplastics enhances the MCLR uptake in zebrafish leading to the exacerbation of oxidative liver damage. <i>Science of the Total Environment</i> , 2022, 818, 151749.	8.0	11

#	ARTICLE	IF	CITATIONS
1092	Variable Fitness Response of Two Rotifer Species Exposed to Microplastics Particles: The Role of Food Quantity and Quality. <i>Toxics</i> , 2021, 9, 305.	3.7	8
1093	Evidence for Microplastics Contamination of the Remote Tributary of the Yenisei River, Siberiaâ€”The Pilot Study Results. <i>Water (Switzerland)</i> , 2021, 13, 3248.	2.7	12
1094	Interactions and associated resistance development mechanisms between microplastics, antibiotics and heavy metals in the aquaculture environment. <i>Reviews in Aquaculture</i> , 2022, 14, 1028-1045.	9.0	42
1095	Microplastics altered contaminant behavior and toxicity in natural waters. <i>Journal of Hazardous Materials</i> , 2022, 425, 127908.	12.4	42
1096	Occurrence and distribution of microplastics in surface water and sediments in China's inland water systems: A critical review. <i>Journal of Cleaner Production</i> , 2022, 331, 129968.	9.3	40
1097	Retention and transport behavior of microplastic particles in water-saturated porous media. <i>Science of the Total Environment</i> , 2022, 808, 152154.	8.0	32
1098	A review of plastic pollution in aquatic ecosystems of Turkey. <i>Environmental Science and Pollution Research</i> , 2022, 29, 26230-26249.	5.3	17
1099	Microplastics in Freshwater Riverine Systems: Brief Profile, Trophic-Level Transfer and Probable Remediation. , 2022, , 103-126.		0
1100	Great Lakes Revitalization and Renewal. , 2021, , .		0
1101	IDENTIFICATION OF PLASTIC PRODUCT BASED ON MICROPLASTIC COLLECTED FROM RIVER WATER AND RIVER BANK. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2020, 76, I_1351-I_1356.	0.1	0
1102	Fugitive Release and Influencing Factors of Microplastics in Urbanized Watersheds: A Case Study of the Central Area of Suzhou City. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1103	Can Microplastics from Personal Care Products Affect Microbial Decomposition of Plant Litter in Streams? An Insight to the Mixed Effects of Microplastics and Silver Nanoparticles. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1104	Plastic ingestion by the Wels catfish ( <i>Silurus glanis</i> L.): detailed chemical analysis and degradation state evaluation. <i>Toxicology Reports</i> , 2021, 8, 1869-1876.	3.3	4
1105	Microplastics in the Food Chain: Food Safety and Environmental Aspects. <i>Reviews of Environmental Contamination and Toxicology</i> , 2021, 259, 1-49.	1.3	11
1106	Micro and Nano-Plastics in the Environment: Research Priorities for the Near Future. <i>Reviews of Environmental Contamination and Toxicology</i> , 2021, 257, 163-218.	1.3	8
1107	Identification and Quantification of Microplastics in Aquaculture Environment. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	16
1108	Emerging investigator series: microplastic sources, fate, toxicity, detection, and interactions with micropollutants in aquatic ecosystems â€” a review of reviews. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 172-195.	3.5	22
1109	Microplastics in Asian freshwater ecosystems: Current knowledge and perspectives. <i>Science of the Total Environment</i> , 2022, 808, 151989.	8.0	34



#	ARTICLE	IF	CITATIONS
1110	Prevalence of microplastics in the ocean in Latin America and the Caribbean. <i>Journal of Hazardous Materials Advances</i> , 2022, 5, 100037.	3.0	9
1111	Extractable additives in microplastics: A hidden threat to soil fauna. <i>Environmental Pollution</i> , 2022, 294, 118647.	7.5	25
1112	Microbial communities on biodegradable plastics under different fertilization practices in farmland soil microcosms. <i>Science of the Total Environment</i> , 2022, 809, 152184.	8.0	22
1113	Polystyrene nano/microplastics induce microbiota dysbiosis, oxidative damage, and innate immune disruption in zebrafish. <i>Microbial Pathogenesis</i> , 2022, 163, 105387.	2.9	32
1114	Combined effects of polystyrene microplastics and cadmium on oxidative stress, apoptosis, and GH/IGF axis in zebrafish early life stages. <i>Science of the Total Environment</i> , 2022, 813, 152514.	8.0	42
1115	Adsorption of benzalkonium chlorides onto polyethylene microplastics: Mechanism and toxicity evaluation. <i>Journal of Hazardous Materials</i> , 2022, 426, 128076.	12.4	24
1116	Features of the accumulation of macroplastic on the river bottom in the Mekong delta and the impact on fish and decapods. <i>Environmental Pollution</i> , 2022, 297, 118747.	7.5	6
1117	Investigation of microplastics release behavior from ozone-exposed plastic pipe materials. <i>Environmental Pollution</i> , 2022, 296, 118758.	7.5	20
1118	Microplastics in the sediments of small-scale Japanese rivers: Abundance and distribution, characterization, sources-to-sink, and ecological risks. <i>Science of the Total Environment</i> , 2022, 812, 152590.	8.0	40
1119	Microplastics removal and characteristics of constructed wetlands WWTPs in rural area of Changsha, China: A different situation from urban WWTPs. <i>Science of the Total Environment</i> , 2022, 811, 152352.	8.0	42
1120	Single and combined toxicity effects of nanoplastics and bisphenol F on submerged the macrophyte <i>Hydrilla verticillata</i> . <i>Science of the Total Environment</i> , 2022, 814, 152564.	8.0	21
1121	Behaviors and biochemical responses of macroinvertebrate <i>Corbicula fluminea</i> to polystyrene microplastics. <i>Science of the Total Environment</i> , 2022, 813, 152617.	8.0	21
1122	Micro (nano) plastics in wastewater: A critical review on toxicity risk assessment, behaviour, environmental impact and challenges. <i>Chemosphere</i> , 2022, 290, 133169.	8.2	43
1123	An enhanced risk assessment framework for microplastics occurring in the Westerscheldt estuary. <i>Science of the Total Environment</i> , 2022, 817, 153006.	8.0	19
1124	Occurrence and Polymer Types of Microplastics from Surface Sediments of Molawin Watershed of the Makiling Forest Reserve, Los Baños, Laguna, Philippines. <i>Environment and Natural Resources Journal</i> , 2021, 19, 57-67.	0.7	7
1125	Micro plastics in soil ecosystem - A review of sources, fate, and ecological impact. <i>Plant, Soil and Environment</i> , 2022, 68, 1-17.	2.2	23
1126	Ingested nano- and micro-sized polystyrene particles surpass the intestinal barrier and accumulate in the body. <i>NanoImpact</i> , 2022, 25, 100374.	4.5	20
1127	Determination of the pharmaceuticals “nano/microplastics in aquatic systems by analytical and instrumental methods. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 93.	2.7	11

#	ARTICLE	IF	CITATIONS
1128	A Mini-Review of Strategies for Quantifying Anthropogenic Activities in Microplastic Studies in Aquatic Environments. <i>Polymers</i> , 2022, 14, 198.	4.5	6
1129	Vertical distribution and river-sea transport of microplastics with tidal fluctuation in a subtropical estuary, China. <i>Science of the Total Environment</i> , 2022, 822, 153603.	8.0	29
1130	Comparative Analysis of Plastic Pieces in Basin, River and Coast: Case Study in the Hikiji River Basin, Kanagawa Prefecture. <i>Journal of Japan Society on Water Environment</i> , 2022, 45, 11-19.	0.4	1
1131	Impact of microplastics on the intestinal microbiota: A systematic review of preclinical evidence. <i>Life Sciences</i> , 2022, 294, 120366.	4.3	16
1132	Rapid photo aging of commercial conventional and biodegradable plastic bags. <i>Science of the Total Environment</i> , 2022, 822, 153235.	8.0	19
1133	Plastic pollution in marine and freshwater environments: abundance, sources, and mitigation. , 2022, , 241-274.		11
1134	Meta-analysis reveals differential impacts of microplastics on soil biota. <i>Ecotoxicology and Environmental Safety</i> , 2022, 230, 113150.	6.0	28
1135	A Method for Sampling Microplastics and Extremophiles in the Stratosphere. , 2022, , .		1
1136	The Ecotoxicological Effects of Microplastics on Trophic Levels of Aquatic Ecosystems. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2022, , 389-428.	0.7	3
1137	Selection of a density separation solution to study microplastics in tropical riverine sediment. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 65.	2.7	19
1140	Impact of anthropogenic stresses on riparian ecosystem and their management perspectives. , 2022, , 299-324.		2
1141	Micro-Nano Plastic in the Aquatic Environment: Methodological Problems and Challenges. <i>Animals</i> , 2022, 12, 297.	2.3	21
1142	Occurrence of Microplastics in Freshwater. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2022, , 201-226.	0.7	3
1143	Interactions of microplastics and main pollutants and environmental behavior in soils. <i>Science of the Total Environment</i> , 2022, 821, 153511.	8.0	30
1144	Urban drainage channels as microplastics pollution hotspots in developing areas: A case study in Da Nang, Vietnam. <i>Marine Pollution Bulletin</i> , 2022, 175, 113323.	5.0	19
1145	Dual-Principal Component Analysis of the Raman Spectrum Matrix to Automatically Identify and Visualize Microplastics and Nanoplastics. <i>Analytical Chemistry</i> , 2022, 94, 3150-3157.	6.5	32
1146	Microplastic pollution in urban Lake Phewa, Nepal: the first report on abundance and composition in surface water of lake in different seasons. <i>Environmental Science and Pollution Research</i> , 2022, 29, 39928-39936.	5.3	25
1147	Source-sink process of microplastics in watershed-estuary-offshore system. <i>Journal of Cleaner Production</i> , 2022, 338, 130612.	9.3	8

#	ARTICLE	IF	CITATIONS
1148	Biomimetic gill-inspired membranes with direct-through micropores for water remediation by efficiently removing microplastic particles. Chemical Engineering Journal, 2022, 434, 134758.	12.7	18
1149	Coagulation-flocculation performance and floc properties for microplastics removal by magnesium hydroxide and PAM. Journal of Environmental Chemical Engineering, 2022, 10, 107263.	6.7	17
1150	A straightforward method for microplastic extraction from organic-rich freshwater samples. Science of the Total Environment, 2022, 815, 152941.	8.0	21
1151	Spatiotemporal dynamics of microplastics in an urban river network area. Water Research, 2022, 212, 118116.	11.3	60
1152	Embryotoxicity of polystyrene microplastics in zebrafish <i>Danio rerio</i> . Environmental Research, 2022, 208, 112552.	7.5	65
1153	Human activities affect the multidecadal microplastic deposition records in a subtropical urban lake, China. Science of the Total Environment, 2022, 820, 153187.	8.0	27
1154	Classification and identification of polar pollutants on microplastics from freshwater using nontarget screening strategy. Science of the Total Environment, 2022, 822, 153468.	8.0	4
1155	Experimental evaluation of microplastic consumption by using a size-fractionation approach in the planktonic communities. Science of the Total Environment, 2022, 821, 153045.	8.0	5
1157	Ecotoxicological Impact of Plastic Waste on Marine Flora. , 2022, , 257-286.		1
1158	Integrated Strategy of Plastic Waste Management to Green Environmental Sustainability and Health Care. , 2022, , 1133-1148.		0
1159	Ecotoxic Effects of the Plastic Waste on Marine Fauna: An Overview. , 2022, , 287-300.		2
1160	Microplastics in freshwater ecosystems with special reference to tropical systems: Detection, impact, and management. , 2022, , 151-169.		4
1161	Occurrence of microplastics in edible aquatic insect <i>Pantala</i> sp. (Odonata: Libellulidae) from rice fields. PeerJ, 2022, 10, e12902.	2.0	4
1162	Development of a Binary Digestion System for Extraction Microplastics in Fish and Detection Method by Optical Photothermal Infrared. Frontiers in Marine Science, 2022, 9, .	2.5	2
1163	Chronic exposure to high-density polyethylene microplastic through feeding alters the nutrient metabolism of juvenile yellow perch ( <i>Perca flavescens</i> ). Animal Nutrition, 2022, 9, 143-158.	5.1	24
1164	Impact of adsorption kinetics on pollutant dispersion in water flowing in nanopores: A Lattice Boltzmann approach to stationary and transient conditions. Advances in Water Resources, 2022, 162, 104143.	3.8	2
1165	Environmental contamination by microplastics originating from textiles: Emission, transport, fate and toxicity. Journal of Hazardous Materials, 2022, 430, 128453.	12.4	23
1166	Polyamide nylon 6 as a potential carrier of nitrate anions in aqueous environments. Journal of Molecular Liquids, 2022, 352, 118706.	4.9	9

#	ARTICLE	IF	CITATIONS
1167	Microbiome: A forgotten target of environmental micro(nano)plastics?. Science of the Total Environment, 2022, 822, 153628.	8.0	23
1168	Plastic Pollution, Waste Management Issues, and Circular Economy Opportunities in Rural Communities. Sustainability, 2022, 14, 20.	3.2	60
1169	Decadal vision in oceanography 2021: New methods and problems. Oceanography in Japan, 2021, 30, 227-253.	0.5	5
1170	Effects of Microplastics in the Cryosphere. , 2022, , 907-952.		0
1171	Microplastics in Biota. , 2022, , 355-376.		0
1172	Marine plastics: whatâ€™s wrong with them?. , 2022, , 1-29.		0
1173	Role of Microorganisms in Eco-remediation. , 2022, , 1237-1275.		0
1174	Fate and Behavior of Microplastics in Freshwater Systems. , 2022, , 781-811.		1
1176	Microplastic Loads within Riverine Fishes and Macroinvertebrates are Not Predictable from Ecological or Morphological Characteristics. SSRN Electronic Journal, 0, , .	0.4	0
1177	Distribution of Microplastics in Benthic Sediments from Lakeshores to the Center of Qinghai Lake on the Tibetan Plateau, China. SSRN Electronic Journal, 0, , .	0.4	0
1178	Distinct Microplastic Patterns in the Environment and Biota of an Urban Stream. SSRN Electronic Journal, 0, , .	0.4	0
1179	Analysis of Chemical Compounds Related to Microplastics. , 2022, , 393-441.		0
1180	Introduction to the Analytical Methodologies for the Analysis of Microplastics. , 2022, , 3-32.		1
1181	Quantification of photooxidative defects in weathered microplastics using <sup>13</sup> C multiCP NMR spectroscopy. RSC Advances, 2022, 12, 10875-10885.	3.6	10
1183	Plastic Futures. , 2022, , 103-107.		0
1184	Plastic Matter. , 2022, , 1-19.		0
1186	Stakeholders' Perspectives on Microplastics in Sludge Applied to Agricultural Land. Frontiers in Sustainable Food Systems, 2022, 6, .	3.9	1
1187	Chronic exposure to polystyrene microplastics induced male reproductive toxicity and decreased testosterone levels via the LH-mediated LHR/cAMP/PKA/StAR pathway. Particle and Fibre Toxicology, 2022, 19, 13.	6.2	71

#	ARTICLE	IF	CITATIONS
1188	Queer Kin. , 2022, , 81-102.		0
1190	Seasonal Abundance and Distribution Patterns of Microplastics in the Lis River, Portugal. Sustainability, 2022, 14, 2255.	3.2	14
1191	Microplastic Pollution in Surface Waters of Urban Watersheds in Central Texas, United States: A Comparison of Sites With and Without Treated Wastewater Effluent. Frontiers in Analytical Science, 2022, 2, .	2.4	10
1192	Do microplastics impair male dominance interactions in fish? A test of the vector hypothesis. Ecology and Evolution, 2022, 12, e8620.	1.9	2
1193	Plastic Media. , 2022, , 63-79.		0
1194	Synthetic Universality. , 2022, , 39-61.		0
1195	Plastic occurrence, sources, and impacts in Antarctic environment and biota. , 2022, 1, 100034.		29
1196	Recent Advances in Encapsulation of Flexible Bioelectronic Implants: Materials, Technologies, and Characterization Methods. Advanced Materials, 2022, 34, e2201129.	21.0	41
1197	Nanoplastics and Arsenic Co-Exposures Exacerbate Oncogenic Biomarkers under an In Vitro Long-Term Exposure Scenario. International Journal of Molecular Sciences, 2022, 23, 2958.	4.1	20
1198	Microplastic Pollution in Agricultural Soils and Abatement Measures – a Model-Based Assessment for Germany. Environmental Modeling and Assessment, 2022, 27, 553-569.	2.2	8
1199	The silent harm of polyethylene microplastics: Invertebrates growth inhibition as a warning of the microplastic pollution in continental waters. Limnologia, 2022, 93, 125964.	1.5	8
1200	Litter and plastic monitoring in the Indian marine environment: A review of current research, policies, waste management, and a roadmap for multidisciplinary action. Marine Pollution Bulletin, 2022, 176, 113424.	5.0	22
1202	Distribution Characteristics and Source Analysis of Microplastics in Urban Freshwater Lakes: A Case Study in Songshan Lake of Dongguan, China. Water (Switzerland), 2022, 14, 1111.	2.7	9
1203	Lagrangian Modeling of Marine Microplastics Fate and Transport: The State of the Science. Journal of Marine Science and Engineering, 2022, 10, 481.	2.6	13
1204	Insights into microbial diversity on plastisphere by multi-omics. Archives of Microbiology, 2022, 204, 216.	2.2	5
1205	Polystyrene nanoplastics decrease molting and induce oxidative stress in adult Macrobrachium nipponense. Fish and Shellfish Immunology, 2022, 122, 419-425.	3.6	16
1206	Removing microplastics from wastewater using leading-edge treatment technologies: a solution to microplastic pollution – a review. Bioprocess and Biosystems Engineering, 2023, 46, 309-321.	3.4	18
1207	The Intestinal Barrier – Shielding the Body from Nano- and Microparticles in Our Diet. Metabolites, 2022, 12, 223.	2.9	12

#	ARTICLE	IF	CITATIONS
1208	Effect of plastic pollution in soil properties and growth of grass species in semi-arid regions: a laboratory experiment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 59118-59126.	5.3	15
1209	Spatiotemporal dynamics of microplastics burden in River Ravi, Pakistan. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107652.	6.7	15
1210	Identification and Quantification of Nanoplastics in Surface Water and Groundwater by Pyrolysis Gas Chromatography–Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4988-4997.	10.0	65
1211	Toxicological assessment of nanoparticles and microplastics. <i>Biomedical Letters</i> , 2022, 8, 82-91.	0.3	2
1212	Contamination and Removal Efficiency of Microplastics and Synthetic Fibres in a Conventional Drinking Water Treatment Plant. <i>Frontiers in Water</i> , 2022, 4, .	2.3	14
1213	Polystyrene nanoplastics aggravated ecotoxicological effects of polychlorinated biphenyls in on zebrafish ( <i>Danio rerio</i> ) embryos. <i>Geoscience Frontiers</i> , 2022, 13, 101376.	8.4	11
1214	Microplastics concentration in bivalve of economic importance, a case study on the southeastern Brazilian coast. <i>Regional Studies in Marine Science</i> , 2022, 52, 102346.	0.7	2
1215	First observation of microplastics in surface sediment of some aquaculture ponds in Hanoi city, Vietnam. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100061.	3.0	9
1216	Automatic quantification and classification of microplastics in scanning electron micrographs via deep learning. <i>Science of the Total Environment</i> , 2022, 825, 153903.	8.0	37
1217	Differential effects of microplastic exposure on anuran tadpoles: A still underrated threat to amphibian conservation?. <i>Environmental Pollution</i> , 2022, 303, 119137.	7.5	9
1218	Characteristics and source-pathway of microplastics in freshwater system of China: A review. <i>Chemosphere</i> , 2022, 297, 134192.	8.2	19
1219	Emerging microplastics in the environment: Properties, distributions, and impacts. <i>Chemosphere</i> , 2022, 297, 134118.	8.2	43
1220	Molecular interactions of polyvinyl chloride microplastics and beta-blockers (Diltiazem and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 267 To Hazardous Materials, 2022, 431, 128609.	12.4	18
1221	Antidote or Trojan horse for submerged macrophytes: Role of microplastics in copper toxicity in aquatic environments. <i>Water Research</i> , 2022, 216, 118354.	11.3	24
1222	Investigation of the adsorption behavior of Pb(II) onto natural-aged microplastics as affected by salt ions. <i>Journal of Hazardous Materials</i> , 2022, 431, 128643.	12.4	66
1223	Distribution, biological effects and biofilms of microplastics in freshwater systems - A review. <i>Chemosphere</i> , 2022, 299, 134370.	8.2	43
1224	Microplastics removal from a primary settler tank in a wastewater treatment plant and estimations of contamination onto European agricultural land via sewage sludge recycling. <i>Environmental Pollution</i> , 2022, 304, 119198.	7.5	33
1225	An overview of the effects of nanoplastics on marine organisms. <i>Science of the Total Environment</i> , 2022, 831, 154757.	8.0	40

#	ARTICLE	IF	CITATIONS
1226	Comparative analysis of microplastic organization and pollution risk before and after thawing in an urban river in Beijing, China. <i>Science of the Total Environment</i> , 2022, 828, 154268.	8.0	10
1227	A review of analytical methods and models used in atmospheric microplastic research. <i>Science of the Total Environment</i> , 2022, 828, 154487.	8.0	43
1228	Microplastic characteristic in the soil across the Tibetan Plateau. <i>Science of the Total Environment</i> , 2022, 828, 154518.	8.0	50
1229	Assessment, characterization, and quantification of microplastics from river sediments. <i>Chemosphere</i> , 2022, 298, 134268.	8.2	30
1230	Can microplastics from personal care products affect stream microbial decomposers in the presence of silver nanoparticles?. <i>Science of the Total Environment</i> , 2022, 832, 155038.	8.0	7
1231	Los microplásticos, una amenaza desconocida para los ecosistemas marinos de Colombia: perspectivas y desafíos a enfrentar. <i>Gestión Y Ambiente</i> , 2021, 24, 91615.	0.1	0
1232	Detection and characterization of small-sized microplastics (≤5 µm) in milk products. <i>Scientific Reports</i> , 2021, 11, 24046.	3.3	49
1233	Microplastic in Water and Sediments at the Confluence of the Elbe and Mulde Rivers in Germany. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	21
1234	Occurrence, Fate and Removal of Microplastics in Wastewater Treatment Plants (WWTPs) and Drinking Water Treatment Plants (DWTPs). <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2022, , 223-245.	1.1	0
1236	An overview of the potential risks, sources, and analytical methods for microplastics in soil. <i>AIMS Environmental Science</i> , 2022, 9, 169-200.	1.4	4
1237	Microplastics Occurrence in Different Regions Around the World. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2022, , 1-20.	1.1	1
1239	Plastic Waste Management Strategies and Their Environmental Aspects: A Scientometric Analysis and Comprehensive Review. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4556.	2.6	66
1240	Female mosquito-a potential vector for transporting plastic residues to humans. <i>Chemosphere</i> , 2022, 301, 134666.	8.2	9
1241	Quantifying shedding of microplastic fibers from textile washing. <i>Ciência E Natura</i> , 0, 44, e4.	0.0	0
1242	Microplastics in freshwater environment: occurrence, analysis, impact, control measures and challenges. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 6865-6896.	3.5	10
1243	Flexible habitat choice of pelagic bacteria increases system stability and energy flow through the microbial loop. <i>Limnology and Oceanography</i> , 2022, 67, 1402-1415.	3.1	5
1244	A global review of microplastics in wastewater treatment plants: Understanding their occurrence, fate and impact. <i>Environmental Research</i> , 2022, 212, 113258.	7.5	20
1252	Acrylic fabrics as a source of microplastics from portable washer and dryer: Impact of washing and drying parameters. <i>Science of the Total Environment</i> , 2022, 834, 155429.	8.0	18



#	ARTICLE	IF	CITATIONS
1253	Distribution of microplastics in benthic sediments of Qinghai Lake on the Tibetan Plateau, China. <i>Science of the Total Environment</i> , 2022, 835, 155434.	8.0	19
1254	Increased Food Availability Reducing the Harmful Effects of Microplastics Strongly Depends on the Size of Microplastics. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1256	Sources and Distribution of Microplastics in the East China Sea Under a Three-Dimensional Numerical Modelling. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1257	Effects of Life Cycle Exposure to Polystyrene Microplastics on Medaka Fish ( <i>Oryzias Latipes</i> ). <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1258	(Micro)plastics in the soil system: Occurrence, behaviour, fate, and future directions. , 2022, , 47-64.		0
1259	First Quantification and Chemical Characterization of Atmospheric Microplastics Observed in Seoul, South Korea. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1260	Maternal Exposure to Polystyrene Micro- and Nanoplastics Causes Fetal Growth Restriction in Mice. <i>Environmental Science and Technology Letters</i> , 2022, 9, 426-430.	8.7	33
1261	The Raman Spectroscopy Approach to Different Freshwater Microplastics and Quantitative Characterization of Polyethylene Aged in the Environment. <i>Microplastics</i> , 2022, 1, 263-282.	4.2	15
1262	Evaluation of Membrane Fouling by Microplastic Particles in Tertiary Wastewater Treatment Processes. <i>ACS ES&amp;T Water</i> , 2022, 2, 955-966.	4.6	8
1263	Resin-based composite materials: elution and pollution. <i>British Dental Journal</i> , 2022, 232, 644-652.	0.6	11
1264	Microplastic contamination in the sediments of Qarasu estuary in Gorgan Bay, south-east of Caspian Sea, Iran. <i>Science of the Total Environment</i> , 2022, 838, 155913.	8.0	19
1265	Microplastic Variations in Land-Based Sources of Coastal Water Affected by Tropical Typhoon Events in Zhanjiang Bay, China. <i>Water (Switzerland)</i> , 2022, 14, 1455.	2.7	6
1266	Polystyrene microplastics induce mitochondrial damage in mouse GC-2 cells. <i>Ecotoxicology and Environmental Safety</i> , 2022, 237, 113520.	6.0	35
1267	Molecular, biochemical and behavioral responses of <i>Daphnia magna</i> under long-term exposure to polystyrene nanoplastics. <i>Environment International</i> , 2022, 164, 107264.	10.0	28
1268	The effect of a polystyrene nanoplastic on the intestinal microbes and oxidative stress defense of the freshwater crayfish, <i>Procambarus clarkii</i> . <i>Science of the Total Environment</i> , 2022, 833, 155722.	8.0	35
1269	Fugitive release and influencing factors of microplastics in urbanized watersheds: A case study of the central area of Suzhou City. <i>Science of the Total Environment</i> , 2022, 837, 155653.	8.0	14
1270	Dietary consumption of polypropylene microplastics alter the biochemical parameters and histological response in freshwater benthic mollusc <i>Pomacea paludosa</i> . <i>Environmental Research</i> , 2022, 212, 113370.	7.5	26
1271	Toxicological impacts of micro(nano)plastics in the benthic environment. <i>Science of the Total Environment</i> , 2022, 836, 155620.	8.0	25

#	ARTICLE	IF	CITATIONS
1272	Metabolic impacts of polystyrene microplastics on the freshwater microalga <i>Microcystis aeruginosa</i> . <i>Science of the Total Environment</i> , 2022, 836, 155655.	8.0	14
1273	Occurrence and ecological health risks of microplastics. , 2022, , 243-270.		1
1274	Molecular ecological networks reveal the spatial-temporal variation of microbial communities in drinking water distribution systems. <i>Journal of Environmental Sciences</i> , 2023, 124, 176-186.	6.1	12
1275	Chronic exposure to polyvinyl chloride microplastics induces liver injury and gut microbiota dysbiosis based on the integration of liver transcriptome profiles and full-length 16S rRNA sequencing data. <i>Science of the Total Environment</i> , 2022, 839, 155984.	8.0	41
1276	Occurrence of Microplastics in Borehole Drinking Water and Sediments in Lagos, Nigeria. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 1721-1731.	4.3	8
1277	Polystyrene microplastic exposure induces insulin resistance in mice via dysbacteriosis and pro-inflammation. <i>Science of the Total Environment</i> , 2022, 838, 155937.	8.0	25
1278	Contamination and ecological risk of microplastics and phthalates in the surface water of the Tha Dee Sub-River basin, Nakhon Si Thammarat Province, Thailand. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2022, 57, 448-459.	1.7	3
1279	Molded fiber and pulp products as green and sustainable alternatives to plastics: A mini review. <i>Journal of Bioresources and Bioproducts</i> , 2022, 7, 14-25.	20.5	45
1280	Potential Risks of Microplastic Fomites to Aquatic Organisms with Special Emphasis on Polyethylene-Microplastic-Glyphosate Exposure Case in Aquacultured Shrimp. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5135.	2.5	7
1281	What Are Lake Beaches Made of? An Assessment of Plastic Beach Litter on the Shores of Como Bay (Italy). <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5388.	2.5	8
1282	Spatial and temporal distributions of microplastics and their macroscopic relationship with algal blooms in Chaohu Lake, China. <i>Journal of Contaminant Hydrology</i> , 2022, 248, 104028.	3.3	11
1283	Micro(nano)plastic size and concentration co-differentiate nitrogen transformation, microbiota dynamics, and assembly patterns in constructed wetlands. <i>Water Research</i> , 2022, 220, 118636.	11.3	37
1284	A Little for Long or a Lot for Short? Revealing the Harmful of Chronic and Acute Microplastic Exposures on a Coastal Filter Feeder Crab. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1285	Characterizing financing needs and financing capacities in different regions: a global perspective on water-related financing flows and drivers for investment needs. , 2022, , 123-151.		3
1288	Occurrence and migration of microplastics and plasticizers in different wastewater and sludge treatment units in municipal wastewater treatment plant. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, .	6.0	8
1289	What comes after the Sun? On the integration of soil biogeochemical pre-weathering into microplastic experiments. <i>Soil</i> , 2022, 8, 373-380.	4.9	5
1290	Transport of Microplastics in Shore Substrates over Tidal Cycles: Roles of Polymer Characteristics and Environmental Factors. <i>Environmental Science &amp; Technology</i> , 2022, 56, 8187-8196.	10.0	23
1291	Huge quantities of microplastics are “hidden” in the sediment of China's largest urban lake”Tangxun Lake. <i>Environmental Pollution</i> , 2022, 307, 119500.	7.5	24

#	ARTICLE	IF	CITATIONS
1292	Distinct microplastic patterns in the sediment and biota of an urban stream. <i>Science of the Total Environment</i> , 2022, 838, 156477.	8.0	12
1293	Biodeterioration of Microplastics: A Promising Step towards Plastics Waste Management. <i>Polymers</i> , 2022, 14, 2275.	4.5	23
1294	Elimination of microplastics from the aquatic milieu: A dream to achieve. <i>Chemosphere</i> , 2022, 303, 135232.	8.2	15
1295	Effects of cascade dams on the occurrence and distribution of microplastics in surface sediments of Wujiang river basin, Southwestern China. <i>Ecotoxicology and Environmental Safety</i> , 2022, 240, 113715.	6.0	10
1296	Microplastic loads within riverine fishes and macroinvertebrates are not predictable from ecological or morphological characteristics. <i>Science of the Total Environment</i> , 2022, 839, 156321.	8.0	9
1297	Scoping acoplado a la metodologÃa de Conesa para la evaluaciÃn ambiental de un sistema avanzado de descontaminaciÃn de lixiviado de relleno sanitario. <i>Ingenieria Y Competitividad</i> , 2022, 24, 25.	0.1	1
1298	A fita€fora€purpose categorization scheme for microplastic morphologies. <i>Integrated Environmental Assessment and Management</i> , 2023, 19, 422-435.	2.9	6
1299	Water Quality Focusing on the Hellenic World: From Ancient to Modern Times and the Future. <i>Water (Switzerland)</i> , 2022, 14, 1887.	2.7	6
1300	Rivera€Groundwater Interaction and Recharge Effects on Microplastics Contamination of Groundwater in Confined Alluvial Aquifers. <i>Water (Switzerland)</i> , 2022, 14, 1913.	2.7	16
1301	Plastic Interactions with Pollutants and Consequences to Aquatic Ecosystems: What We Know and What We Do Not Know. <i>Biomolecules</i> , 2022, 12, 798.	4.0	18
1302	Development of Bioplastic and Biodegradable Plastics. <i>Health Information Systems and the Advancement of Medical Practice in Developing Countries</i> , 2022, , 249-283.	0.1	0
1303	A Review of Microplastic Pollution Characteristics in Global Urban Freshwater Catchments. <i>Health Information Systems and the Advancement of Medical Practice in Developing Countries</i> , 2022, , 28-48.	0.1	0
1304	Plastics in the environment as potential threat to life: an overview. <i>Environmental Science and Pollution Research</i> , 2022, 29, 56928-56947.	5.3	17
1305	Microplastics spatiotemporal distribution and plastic-degrading bacteria identification in the sanitary and non-sanitary municipal solid waste landfills. <i>Journal of Hazardous Materials</i> , 2022, 438, 129452.	12.4	22
1306	Estimation of microplastic exposure via the composite sampling of drinking water, respirable air, and cooked food from Mumbai, India. <i>Environmental Research</i> , 2022, 214, 113735.	7.5	21
1307	The Effect of Microplastics on Living Things. <i>Arsiv Kaynak Tarama Dergisi</i> , 2022, 31, 94-98.	0.1	0
1308	Surface water, sediment, and biota: The first multi-compartment analysis of microplastics in the Karnafully river, Bangladesh. <i>Marine Pollution Bulletin</i> , 2022, 180, 113820.	5.0	36
1309	Degradation of microplastics by hydroxyl radicals generated during microbially driven humus redox transformation. <i>Water Research</i> , 2022, 221, 118731.	11.3	14

#	ARTICLE	IF	CITATIONS
1310	A review on microplastics and nanoplastics in the environment: Their occurrence, exposure routes, toxic studies, and potential effects on human health. <i>Marine Pollution Bulletin</i> , 2022, 181, 113832.	5.0	104
1311	Studying the combined influence of microplastics' intrinsic and extrinsic characteristics on their weathering behavior and heavy metal transport in storm runoff. <i>Environmental Pollution</i> , 2022, 308, 119628.	7.5	12
1312	Plastic is in the air: Impact of micro-nanoplastics from airborne pollution on <i>Tillandsia usneoides</i> (L.) L. (Bromeliaceae) as a possible green sensor. <i>Journal of Hazardous Materials</i> , 2022, 437, 129314.	12.4	17
1313	Increased food availability reducing the harmful effects of microplastics strongly depends on the size of microplastics. <i>Journal of Hazardous Materials</i> , 2022, 437, 129375.	12.4	12
1314	Liberation of plastic nanoparticles and organic compounds from three common plastics in water during weathering under UV radiation-free conditions. <i>Science of the Total Environment</i> , 2022, 842, 156859.	8.0	5
1315	Occurrence and Distribution of Microplastics in Coastal Plain Soils Under Three Land-Use Types. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1316	Microplastics Not Only Allow a Free Ride for Bivalent Zinc But Also Alter its Toxic Effect on <i>Chlorella Vulgaris</i> in Water. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1317	Effect of Microplastics on Marine Environment and Aquatic Organisms. Bilecik Åzeyh Edebali Åeniversitesi Fen Bilimleri Dergisi, 0, , .	0.6	1
1318	Exploring Scientific Discourse on Marine Litter in Europe: Review of Sources, Causes and Solutions. <i>Sustainability</i> , 2022, 14, 7987.	3.2	0
1319	Algae: a frontline photosynthetic organism in the microplastic catastrophe. <i>Trends in Plant Science</i> , 2022, 27, 1159-1172.	8.8	14
1320	Tide-driven microplastics transport in an elongated semi-closed bay: A case study in Xiangshan Bay, China. <i>Science of the Total Environment</i> , 2022, 846, 157374.	8.0	8
1321	Changes in physicochemical and leachate characteristics of microplastics during hydrothermal treatment of sewage sludge. <i>Water Research</i> , 2022, 222, 118876.	11.3	33
1322	Tracing Land-Based Microplastic Sources in Coastal Waters of Zhanjiang Bay, China: Spatiotemporal Pattern, Composition, and Flux. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	3
1323	Recent global insight into mitigation of plastic pollutants, sustainable biodegradable alternatives, and recycling strategies. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 8175-8198.	3.5	9
1324	Distribution characteristics of microplastics in urban rivers in Chengdu city: The influence of land-use type and population and related suggestions. <i>Science of the Total Environment</i> , 2022, 846, 157411.	8.0	14
1325	Insights into the impact of polyethylene microplastics on methane recovery from wastewater via bioelectrochemical anaerobic digestion. <i>Water Research</i> , 2022, 221, 118844.	11.3	23
1326	Recent advances on the transport of microplastics/nanoplastics in abiotic and biotic compartments. <i>Journal of Hazardous Materials</i> , 2022, 438, 129515.	12.4	46
1327	Distribution and migration characteristics of microplastics in farmland soils, surface water and sediments in Caohai Lake, southwestern plateau of China. <i>Journal of Cleaner Production</i> , 2022, 366, 132912.	9.3	24

#	ARTICLE	IF	CITATIONS
1328	Adsorption behaviors and mechanisms of humic acid on virgin and aging microplastics. Journal of Molecular Liquids, 2022, 363, 119819.	4.9	23
1329	Risk associated with microplastics in urban aquatic environments: A critical review. Journal of Hazardous Materials, 2022, 439, 129587.	12.4	16
1330	Occurrence and distribution of microplastics in peatland areas: A case study in Long An province of the Mekong Delta, Vietnam. Science of the Total Environment, 2022, 844, 157066.	8.0	20
1331	Biodegradable microplastics enhance soil microbial network complexity and ecological stochasticity. Journal of Hazardous Materials, 2022, 439, 129610.	12.4	52
1332	Spatial distribution of microplastics pollution in sediments and surface waters of the Aras River and reservoir: An international river in Northwestern Iran. Science of the Total Environment, 2022, 843, 156894.	8.0	12
1333	Is water quality in British rivers “better than at any time since the end of the Industrial Revolution”? Science of the Total Environment, 2022, 843, 157014.	8.0	39
1334	Removal of nanoplastics in water treatment processes: A review. Science of the Total Environment, 2022, 845, 157168.	8.0	38
1335	Microbubble-microplastic interactions in batch air flotation. Chemical Engineering Journal, 2022, 449, 137866.	12.7	14
1336	Potential impacts of plastic from cannabis cultivation on fish and wildlife resources. California Fish and Wildlife Journal, 2020, 106, .	0.6	0
1337	Urban water pollution by heavy metals, microplastics, and organic contaminants. Current Directions in Water Scarcity Research, 2022, , 21-43.	0.6	1
1338	Microplastics: A threat to freshwater ecosystems and urban water quality. Current Directions in Water Scarcity Research, 2022, , 273-298.	0.6	0
1339	Microplastics in the continuous biofilm reactor: Occurrence, fate, and removal. IOP Conference Series: Earth and Environmental Science, 2022, 1065, 012012.	0.3	1
1340	An In Situ Study to Understand Community Structure of Estuarine Microbes on the Plasticsphere. Microorganisms, 2022, 10, 1543.	3.6	3
1341	Plastics are a new threat to Palau’s coral reefs. PLoS ONE, 2022, 17, e0270237.	2.5	7
1342	Riverine Plastic Pollution in Asia: Results from a Bibliometric Assessment. Land, 2022, 11, 1117.	2.9	8
1343	Macroplastic abundance at Lake Singkarak riparian, West Sumatera. IOP Conference Series: Earth and Environmental Science, 2022, 1062, 012025.	0.3	1
1344	Review on the ecotoxicological impacts of plastic pollution on the freshwater invertebrate Daphnia. Environmental Toxicology, 2022, 37, 2615-2638.	4.0	30
1345	Characterization and implication of microplastics on riverine population of the River Ravi, Lahore, Pakistan. Environmental Science and Pollution Research, 2023, 30, 6828-6848.	5.3	7

#	ARTICLE	IF	CITATIONS
1346	Integrating land cover, point source pollution, and watershed hydrologic processes data to understand the distribution of microplastics in riverbed sediments. <i>Environmental Pollution</i> , 2022, 311, 119852.	7.5	5
1347	Occurrence, sources, and relationships of soil microplastics with adsorbed heavy metals in the Ebinur Lake Basin, Northwest China. <i>Journal of Arid Land</i> , 2022, 14, 910-924.	2.3	3
1348	Change in microplastic concentration during various temporal events downstream of a combined sewage overflow and in an urban stormwater creek. <i>Frontiers in Water</i> , 0, 4, .	2.3	7
1349	Micro-plastics in the Vicinity of an Urban Solid Waste Management Facility in India: Assessment and Policy Implications. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 109, 956-961.	2.7	6
1350	Recent advancements in microplastics treatments: Characteristics, occurrence, and removal technologies. <i>Materials Today: Proceedings</i> , 2022, 67, 1211-1217.	1.8	2
1351	Microplastic occurrence after conventional and nanofiltration processes at drinking water treatment plants: Preliminary results. <i>Frontiers in Water</i> , 0, 4, .	2.3	10
1352	Ecotoxicity of Heteroaggregates of Polystyrene Nanospheres in Chironomidae and Amphibian. <i>Nanomaterials</i> , 2022, 12, 2730.	4.1	1
1353	Riverine macroplastic gradient along watercourses: A global overview. <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	18
1354	Co-exposure to polystyrene microplastics and lead aggravated ovarian toxicity in female mice via the PERK/eIF2 $\alpha$ signaling pathway. <i>Ecotoxicology and Environmental Safety</i> , 2022, 243, 113966.	6.0	22
1355	Sources and distribution of microplastics in the east China sea under a three-dimensional numerical modelling. <i>Environmental Pollution</i> , 2022, 311, 119910.	7.5	10
1356	Effects of life cycle exposure to polystyrene microplastics on medaka fish ( <i>Oryzias latipes</i> ). <i>Environmental Pollution</i> , 2022, 311, 120001.	7.5	4
1357	Macro-and/or microplastics as an emerging threat effect crop growth and soil health. <i>Resources, Conservation and Recycling</i> , 2022, 186, 106549.	10.8	42
1358	Unraveling microplastics removal in wastewater treatment plant: A comparative study of two wastewater treatment plants in Thailand. <i>Chemosphere</i> , 2022, 307, 135733.	8.2	11
1359	Microplastic prevalence in anatolian water frogs ( <i>Pelophylax</i> spp.). <i>Journal of Environmental Management</i> , 2022, 321, 116029.	7.8	9
1360	Chronic toxic effects of polystyrene micro-plastics, DCOIT and their combination on marine <i>Chlorella</i> sp. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 261, 109426.	2.6	2
1361	Plastic microbiome development in a freshwater ecosystem. <i>Science of the Total Environment</i> , 2022, 848, 157697.	8.0	2
1362	Occurrence of polycyclic aromatic hydrocarbons, microplastics and biofilms in Alqueva surface water at touristic spots. <i>Science of the Total Environment</i> , 2022, 850, 157983.	8.0	6
1363	Effects of polystyrene microplastics acute exposure in the liver of swordtail fish ( <i>Xiphophorus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 107	8.6	16

#	ARTICLE	IF	CITATIONS
1364	Effect of plastic pollution on freshwater flora: A meta-analysis approach to elucidate the factors influencing plant growth and biochemical markers. <i>Water Research</i> , 2022, 225, 119114.	11.3	12
1365	The effect of microplastics on the interspecific competition of <i>Daphnia</i> . <i>Environmental Pollution</i> , 2022, 313, 120121.	7.5	12
1366	Removal and toxic forecast of microplastics treated by electrocoagulation: Influence of dissolved organic matter. <i>Chemosphere</i> , 2022, 308, 136309.	8.2	14
1367	Microplastic contamination of supraglacial debris differs among glaciers with different anthropic pressures. <i>Science of the Total Environment</i> , 2022, 851, 158301.	8.0	8
1368	Co-occurrence of light microplastics and phthalate esters in soils of China. <i>Science of the Total Environment</i> , 2022, 852, 158384.	8.0	9
1369	Health risk assessment of mercury in Nile tilapia ( <i>Oreochromis niloticus</i> ) fed housefly maggots. <i>Science of the Total Environment</i> , 2022, 852, 158164.	8.0	1
1370	Biomass upcycling of waste rPET to higher-value new-easy-recyclable microcellular thermoplastic (co)polyamide foams and hot-melt adhesives. <i>Materials Today Chemistry</i> , 2022, 26, 101101.	3.5	6
1371	Microplastics (MPs) and nanoplastics (NPs): Introduction. , 2023, , 1-32.		1
1372	Occurrence of MPs and NPs in freshwater environment. , 2023, , 125-150.		0
1373	Microplastics: Emerging Issues in Emerging Urbanization. , 2022, , 177-199.		1
1374	From City to Sea: Spatiotemporal Dynamics of Floating Macrolitter in the Tiber River. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1375	Time for decisive actions to protect freshwater ecosystems from global changes. <i>Knowledge and Management of Aquatic Ecosystems</i> , 2022, , 19.	1.1	8
1376	Formation of airborne microplastics. <i>Comprehensive Analytical Chemistry</i> , 2022, , .	1.3	0
1377	Simple River Microplastics Survey Method for Environmental Education. <i>Japanese Journal of Environmental Education</i> , 2022, 31, 4_40-47.	0.0	0
1378	Microplastics (MPs) in marine food chains: Is it a food safety issue?. <i>Advances in Food and Nutrition Research</i> , 2023, , 101-140.	3.0	3
1379	Microplastics in Aquatic Environments. , 2022, , 49-54.		0
1380	Responses of bloom-forming <i>Microcystis aeruginosa</i> to polystyrene microplastics exposure: Growth and photosynthesis. <i>Water Cycle</i> , 2022, 3, 133-142.	4.0	7
1381	The presence of inorganic and organic contaminants in urban water. <i>Current Directions in Water Scarcity Research</i> , 2022, , 85-100.	0.6	1



#	ARTICLE	IF	CITATIONS
1382	Prevalence of Microplastics in the Gastrointestinal Tracts of Dabbling and Ground Foraging Waterfowl in the Midwest Prairie Pothole Region. SSRN Electronic Journal, 0, , .	0.4	0
1383	Impact of Microfiber/Microplastic Pollution. Sustainable Textiles, 2022, , 151-203.	0.7	0
1384	Nanoplastics, Gut Microbiota, and Neurodegeneration. , 2022, , 211-234.		0
1385	Mitigation, Management, and the Challenges Ahead. , 2022, , 67-72.		0
1386	Multi stress system: Microplastics in freshwater and their effects on host microbiota. Science of the Total Environment, 2023, 856, 159106.	8.0	2
1387	Occurrence and distribution of microplastics in coastal plain soils under three land-use types. Science of the Total Environment, 2023, 855, 159023.	8.0	17
1388	Long-term deposition records of microplastics in a plateau lake under the influence of multiple natural and anthropogenic factors. Science of the Total Environment, 2023, 856, 159071.	8.0	6
1389	Microplastics in soil and freshwater: Understanding sources, distribution, potential impacts, and regulations for management. Science Progress, 2022, 105, 003685042211266.	1.9	5
1390	Microplastics in freshwater ecosystem: A serious threat for freshwater environment. International Journal of Environmental Science and Technology, 2023, 20, 9189-9204.	3.5	2
1391	Recent Trends on Microplastics Pollution and Its Remediation: A Review. Recent Innovations in Chemical Engineering, 2022, 15, 169-188.	0.4	1
1392	Nanoplastic occurrence, transformation and toxicity: a review. Environmental Chemistry Letters, 2023, 21, 363-381.	16.2	39
1393	Abiotic factors associated with microplastic pollution in surface water of a tropical estuary. Research, Society and Development, 2022, 11, e164111234457.	0.1	0
1394	An enigma: A meta-analysis reveals the effect of ubiquitous microplastics on different taxa in aquatic systems. Frontiers in Environmental Science, 0, 10, .	3.3	4
1395	An overview of microplastic research in marine and freshwater habitats using topic modeling. Hydrobiologia, 0, , .	2.0	2
1396	Investigation of microplastic accumulation in Rastrelliger kanagurta fish gut and microplastic degradation behaviour of existing gut bacteria Pseudomonas sp.. Archives of Microbiology, 2022, 204, .	2.2	6
1397	Microplastic pollution and characteristics in the surface waters of theÂmiddle and lower reaches of the Han River along Hubei Province, China. International Journal of Environmental Science and Technology, 2023, 20, 10205-10216.	3.5	4
1398	Derivatives of Plastics as Potential Carcinogenic Factors: The Current State of Knowledge. Cancers, 2022, 14, 4637.	3.7	9
1399	Slow and steady hurts the crab: Effects of chronic and acute microplastic exposures on a filter feeder crab. Science of the Total Environment, 2023, 857, 159135.	8.0	15

#	ARTICLE	IF	CITATIONS
1401	Mitigation Approaches to Prevent Microplastics Effects in the Aquatic Environment: Exploration of Microbeads from Personal Care and Cosmetic Products. <i>International Journal of Environmental Research</i> , 2022, 16, .	2.3	3
1402	Effect of microplastics on the activity of carboxylesterase and phosphatase enzymes in <i>Scinax squalestris</i> tadpoles. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	2.7	6
1403	Emerging Water Pollutants from Food and Packaging Industry. , 2022, , 53-76.		0
1404	A concept for the biotechnological minimizing of emerging plastics, micro- and nano-plastics pollutants from the environment: A review. <i>Environmental Research</i> , 2023, 216, 114342.	7.5	13
1406	Damming has changed the migration process of microplastics and increased the pollution risk in the reservoirs in the Shaying River Basin. <i>Journal of Hazardous Materials</i> , 2023, 443, 130067.	12.4	15
1407	Distinct responses of <i>Chlorella vulgaris</i> upon combined exposure to microplastics and bivalent zinc. <i>Journal of Hazardous Materials</i> , 2023, 442, 130137.	12.4	13
1408	Anthropocene microplastic stratigraphy of Xiamen Bay, China: A history of plastic production and waste management. <i>Water Research</i> , 2022, 226, 119215.	11.3	10
1409	Evidence of microplastics in the Chi River Basin, Thailand: Anthropogenic influence and potential threats to edible arthropods. <i>Limnologia</i> , 2022, 97, 126030.	1.5	3
1410	Effects of environmentally relevant concentrations of microplastics on amphipods. <i>Chemosphere</i> , 2022, 309, 136599.	8.2	6
1411	How do microplastics adsorb metals? A preliminary study under simulated wetland conditions. <i>Chemosphere</i> , 2022, 309, 136547.	8.2	8
1412	Aggregation of microplastic and biogenic particles in upper-ocean turbulence. <i>International Journal of Multiphase Flow</i> , 2022, 157, 104253.	3.4	4
1413	Microplastic reorganization in urban river before and after rainfall. <i>Environmental Pollution</i> , 2022, 314, 120326.	7.5	15
1414	Risk for the release of an enormous amount of nanoplastics and microplastics from partially biodegradable polymer blends. <i>Green Chemistry</i> , 2022, 24, 8742-8750.	9.0	6
1415	Toxicity of polystyrene microplastics in freshwater algae <i>Scenedesmus obliquus</i> : Effects of particle size and surface charge. <i>Toxicology Reports</i> , 2022, 9, 1953-1961.	3.3	13
1418	Characterization and removal of microplastics in a sewage treatment plant from urban Nagpur, India. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	2.7	10
1419	Current status and trends of research on microplastic fugacity characteristics and pollution levels in mangrove wetlands. <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	0
1420	Evaluation of Neurotoxicity in BALB/c Mice following Chronic Exposure to Polystyrene Microplastics. <i>Environmental Health Perspectives</i> , 2022, 130, .	6.0	21
1421	Underestimated and ignored? The impacts of microplastic on soil invertebratesâ€”Current scientific knowledge and research needs. <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	5

#	ARTICLE	IF	CITATIONS
1423	Microplastics in freshwater environment: the first evaluation in sediment of the Vaal River, South Africa. <i>Heliyon</i> , 2022, 8, e11118.	3.2	14
1424	Atmospheric micro (nano) plastics: future growing concerns for human health. <i>Air Quality, Atmosphere and Health</i> , 2023, 16, 233-262.	3.3	28
1425	Drifting marine plastics as new ecological habitats for harmful eukaryotic microbial communities in Jeju Strait, Korea. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	3
1426	The effects of riverside cities on microplastics in river water: A case study on the Southern Jiangsu Canal, China. <i>Science of the Total Environment</i> , 2023, 858, 159783.	8.0	9
1427	Effect of Chemical Agents on the Morphology and Chemical Structures of Microplastics. <i>Polymers</i> , 2022, 14, 4353.	4.5	2
1428	Long-Term Exposure to Environmentally Relevant Doses of Large Polystyrene Microplastics Disturbs Lipid Homeostasis via Bowel Function Interference. <i>Environmental Science &amp; Technology</i> , 2022, 56, 15805-15817.	10.0	27
1429	Microplastics in urban waters and its effects on microbial communities: a critical review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 88410-88431.	5.3	4
1430	Microplastic Accumulation in Crayfish <i>Astacus leptodactylus</i> (Eschscholtz 1823) and Sediments of Durusu (Terkos) Lake (Turkey). <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	2.4	4
1431	Combined effects of photoaging and natural organic matter on the colloidal stability of nanoplastics in aquatic environments. <i>Water Research</i> , 2022, 226, 119313.	11.3	4
1432	Stromatolites: Linking the Past to the Future. <i>Environmental Microbiology</i> , 0, , .	3.8	0
1433	Pilot study on microplastics in the Suquã River basin: Impact of city run-off and wastewater treatment plant discharges in the mid-2010s. <i>Journal of Hazardous Materials Advances</i> , 2022, 8, 100185.	3.0	0
1434	Long-term exposure to microplastics induces intestinal function dysbiosis in rare minnow ( <i>Gobiocypris rarus</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2022, 246, 114157.	6.0	12
1435	The Chubut River estuary as a source of microplastics and other anthropogenic particles into the Southwestern Atlantic Ocean. <i>Marine Pollution Bulletin</i> , 2022, 185, 114267.	5.0	6
1436	Microbial degradation of polystyrene microplastics by a novel isolated bacterium in aquatic ecosystem. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 30, 100873.	3.3	10
1437	Identification of the aged microplastics film and its sorption of antibiotics and bactericides in aqueous and soil compartments. <i>Marine Pollution Bulletin</i> , 2022, 185, 114312.	5.0	5
1438	The comparison of adsorption kinetics of polystyrene particles with two polyelectrolytes near the isoelectric points. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 655, 130297.	4.7	0
1439	Polystyrene microplastic ingestion induces the damage in digestive gland of <i>Amphioctopus fangsiao</i> at the physiological, inflammatory, metabolome and transcriptomic levels. <i>Environmental Pollution</i> , 2022, 315, 120480.	7.5	7
1440	Nano adsorptive extraction of diverse microplastics from the potable and seawater using organo-polyoxometalate magnetic nanotricomposites. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108720.	6.7	8

#	ARTICLE	IF	CITATIONS
1441	Microplastics are transferred by soil fauna and regulate soil function as material carriers. <i>Science of the Total Environment</i> , 2023, 857, 159690.	8.0	14
1442	Microplastics alter development, behavior, and innate immunity responses following bacterial infection during zebrafish embryo-larval development. <i>Chemosphere</i> , 2023, 311, 136969.	8.2	11
1443	Responses of bacterial communities to microplastics: More sensitive in less fertile soils. <i>Science of the Total Environment</i> , 2023, 857, 159440.	8.0	10
1444	A novel approach to extract, purify, and fractionate microplastics from environmental matrices by isopycnic ultracentrifugation. <i>Science of the Total Environment</i> , 2023, 857, 159610.	8.0	2
1445	Solid-liquid interface adsorption of antibiotic resistance plasmids induced by nanoplastics aggravates gene pollution in aquatic ecosystems. <i>Environmental Pollution</i> , 2023, 316, 120456.	7.5	5
1446	From city to sea: Spatiotemporal dynamics of floating macrolitter in the Tiber River. <i>Science of the Total Environment</i> , 2023, 857, 159713.	8.0	16
1447	Extensive abundances and characteristics of microplastic pollution in the karst hyporheic zones of urban rivers. <i>Science of the Total Environment</i> , 2023, 857, 159616.	8.0	12
1448	Microplastic materials in the environment: Problem and strategical solutions. <i>Progress in Materials Science</i> , 2023, 132, 101035.	32.8	44
1449	Polystyrene microplastics weaken the predator-induced defenses of <i>Daphnia magna</i> : Evidences from the changes in morphology and behavior. <i>Environmental Pollution</i> , 2023, 316, 120657.	7.5	4
1450	Microplastics and co-pollutant with ciprofloxacin affect interactions between free-floating macrophytes. <i>Environmental Pollution</i> , 2023, 316, 120546.	7.5	11
1451	Influences of molecular weight fractionated humic acids on polyamide 66 microplastic stability and toxicity in red tilapia ( <i>Oreochromis niloticus</i> ). <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	1
1452	Comparative Assessment of Microplastics in Surface Waters and Sediments of the Vaal River, South Africa: Abundance, Composition, and Sources. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 3029-3040.	4.3	10
1453	Microplastic in Sediments and Ingestion Rates in Three Edible Bivalve Mollusc Species in a Southern Philippine Estuary. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	2.4	6
1454	Investigation of microplastic contamination in the sediments of Noyyal River- Southern India. <i>Journal of Hazardous Materials Advances</i> , 2022, 8, 100198.	3.0	6
1455	Microplastics removal and characteristics of a typical multi-combination and multi-stage constructed wetlands wastewater treatment plant in Changsha, China. <i>Chemosphere</i> , 2023, 312, 137199.	8.2	11
1456	Ecotoxicological perspectives of microplastic pollution in amphibians. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2022, 25, 405-421.	6.5	27
1457	Impact of microplastics on riverine greenhouse gas emissions: a view point. <i>Environmental Science and Pollution Research</i> , 2023, 30, 107300-107303.	5.3	13
1458	Biofilm formation strongly influences the vector transport of triclosan-loaded polyethylene microplastics. <i>Science of the Total Environment</i> , 2023, 859, 160231.	8.0	9

#	ARTICLE	IF	CITATIONS
1459	Identifying plastics with photoluminescence spectroscopy and machine learning. Scientific Reports, 2022, 12, .	3.3	5
1460	Microplastics in Surface Waters and Floodplain Sediments of the Dagū River in the Jiaodong Peninsula, China. Journal of Ocean University of China, 2022, 21, 1538-1548.	1.2	6
1461	Evidence of microplastics in water and commercial fish from a high-altitude mountain lake (Lake) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	2.0	3
1462	Potential risk of microplastics in processed foods: Preliminary risk assessment concerning polymer types, abundance, and human exposure of microplastics. Ecotoxicology and Environmental Safety, 2022, 247, 114260.	6.0	16
1463	Internal interaction between chemically-pretreated polypropylene microplastics and floc growth during flocculation: Critical effect on floc properties and flocculation mechanisms. Separation and Purification Technology, 2023, 306, 122710.	7.9	5
1464	Continuous long-term monitoring of leaching from microplastics into ambient water â€“ A multi-endpoint approach. Journal of Hazardous Materials, 2023, 444, 130424.	12.4	4
1465	Polystyrene microparticles can affect the health status of freshwater fish â€“ Threat of oral microplastics intake. Science of the Total Environment, 2023, 858, 159976.	8.0	9
1466	Application of jute mattings to control growth of submerged macrophytes in a shallow clear-water pond. , 2022, 58, 13.		0
1467	Far from urban areas: plastic uptake in fish populations of subtropical headwater streams. Brazilian Journal of Biology, 0, 82, .	0.9	1
1468	Micro plastic contaminant in marine environment in Chennai coast. AIP Conference Proceedings, 2022, , .	0.4	0
1469	Microplastics in estuarine water and sediment in Mauritius. Regional Studies in Marine Science, 2023, 57, 102766.	0.7	2
1470	Toxicological effects and transcriptome mechanisms of rice ( <i>Oryza sativa</i> L.) under stress of quinclorac and polystyrene nanoplastics. Ecotoxicology and Environmental Safety, 2023, 249, 114380.	6.0	6
1471	Single and combined toxicity of polystyrene nanoplastics and arsenic on submerged plant <i>Myriophyllum verticillatum</i> L.. Plant Physiology and Biochemistry, 2023, 194, 513-523.	5.8	14
1472	Synthesis of platinum nanoparticles on strontium titanate nanocuboids<i>via</i> surface organometallic grafting for the catalytic hydrogenolysis of plastic waste. Journal of Materials Chemistry A, 2023, 11, 1216-1231.	10.3	10
1473	Ecological disturbances and abundance of anthropogenic pollutants in the aquatic ecosystem: Critical review of impact assessment on the aquatic animals. Chemosphere, 2023, 313, 137475.	8.2	7
1474	Microplastic contamination in commercial fish species in southern coastal region of India. Chemosphere, 2023, 313, 137486.	8.2	14
1475	A systematic review of microplastics in the environment: Sampling, separation, characterization and coexistence mechanisms with pollutants. Science of the Total Environment, 2023, 859, 160151.	8.0	18
1476	Advances and prospects of carbon dots for microplastic analysis. Chemosphere, 2023, 313, 137433.	8.2	11

#	ARTICLE	IF	CITATIONS
1477	A review on microplastic pollution research in India. Regional Studies in Marine Science, 2023, 58, 102777.	0.7	4
1478	Application of transcriptome profiling to inquire into the mechanism of nanoplastics toxicity during Ciona robusta embryogenesis. Environmental Pollution, 2023, 318, 120892.	7.5	8
1479	Current levels and composition profiles of microplastics in irrigation water. Environmental Pollution, 2023, 318, 120858.	7.5	10
1480	Nano packaging “ Progress and future perspectives for food safety, and sustainability. Food Packaging and Shelf Life, 2023, 35, 100997.	7.5	22
1481	Microplastic pollution and its implicated risks in the estuarine environment of Tamil Nadu, India. Science of the Total Environment, 2023, 861, 160572.	8.0	6
1482	Microplastics in Kuwait’s Wastewater Streams. Sustainability, 2022, 14, 15817.	3.2	3
1483	Polystyrene microplastics exposure modulated the content and the profile of fatty acids in the Cladoceran Daphnia magna. Science of the Total Environment, 2023, 860, 160497.	8.0	2
1484	Assessment of Prevalence and Heterogeneity of Meso- and Microplastic Pollution in Icelandic Waters. Environments - MDPI, 2022, 9, 150.	3.3	0
1485	Maternal exposure to polystyrene microplastics alters placental metabolism in mice. Metabolomics, 2023, 19, .	3.0	16
1486	Interactive Effects of Warming and Pollutants on Marine and Freshwater Invertebrates. Current Pollution Reports, 2022, 8, 341-359.	6.6	17
1487	Assessment of Microplastics in Green Mussel (Perna viridis) and Surrounding Environments around Sri Racha Bay, Thailand. Sustainability, 2023, 15, 9.	3.2	4
1489	Effects of chemical pollution on the behaviour of cichlid fish. Environmental Biology of Fishes, 0, , .	1.0	0
1490	Microplastic as an Emerging Environmental Threat: A Critical Review on Sampling and Identification Techniques Focusing on Aquatic Ecosystem. Journal of Polymers and the Environment, 2023, 31, 1725-1747.	5.0	4
1492	Experimental Investigation of Settling Velocity of Spherical Microplastic Particles. Korean Society of Hazard Mitigation, 2022, 22, 351-361.	0.2	0
1493	Microplastics in Freshwater: A Focus on the Russian Inland Waters. Water (Switzerland), 2022, 14, 3909.	2.7	6
1495	Developing a methodology to quantify mismanaged plastic waste entering the ocean in coastal countries. Journal of Industrial Ecology, 2022, 26, 2108-2122.	5.5	7
1497	Occurrence, distribution and risk assessment of microplastics and polycyclic aromatic hydrocarbons in East lake, Hubei, China. Chemosphere, 2023, 316, 137864.	8.2	5
1498	Acceleration of Biodegradation Using Polymer Blends and Composites. Macromolecular Chemistry and Physics, 2023, 224, .	2.2	2

#	ARTICLE	IF	CITATIONS
1499	Effects of Microplastic Contamination on the Aquatic Plant <i>Lemna minuta</i> (Least Duckweed). <i>Plants</i> , 2023, 12, 207.	3.5	7
1500	Dietary intake of microplastics impairs digestive performance, induces hepatic dysfunction, and shortens lifespan in the annual fish <i>Nothobranchius guentheri</i> . <i>Biogerontology</i> , 2023, 24, 207-223.	3.9	7
1501	Biochar for the Removal of Emerging Pollutants from Aquatic Systems: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 1679.	2.6	18
1502	Microplastics in multimedia environment: A systematic review on its fate, transport, quantification, health risk, and remedial measures. <i>Groundwater for Sustainable Development</i> , 2023, 20, 100889.	4.6	18
1503	Ozonation facilitates the aging and mineralization of polyethylene microplastics from water: Behavior, mechanisms, and pathways. <i>Science of the Total Environment</i> , 2023, 866, 161290.	8.0	11
1504	Characterization of microbial community, ecological functions and antibiotic resistance in estuarine plastisphere. <i>Science of the Total Environment</i> , 2023, 866, 161322.	8.0	3
1505	Distribution characteristics of microplastics in soil of Loess Plateau in northwest China and their relationship with land use type. <i>Science of the Total Environment</i> , 2023, 868, 161674.	8.0	9
1506	The Microplastics Occurrence and Toxic Effects in Marine Environment. , 2022, 10, 1-6.		0
1507	Enhanced coagulation process for removing dissolved organic matter, microplastics, and silver nanoparticles. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2022, 57, 1084-1098.	1.7	2
1508	Realistic environmental exposure to secondary PET microplastics induces biochemical responses in freshwater amphipod <i>Hyalella azteca</i> . <i>Chemistry and Ecology</i> , 2023, 39, 288-301.	1.6	2
1509	Transfer of Microplastics in Terrestrial and Aquatic Food Webs: The Impact of E-Waste Debris and Ecological Traits. <i>Environmental Science &amp; Technology</i> , 2023, 57, 1300-1308.	10.0	12
1510	Microplastics in mainstem Mississippi River fishes. <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	2
1511	Distribution of Microplastic Abundance and Composition in Surface Water around Anthropogenic Areas (Case Study: Jeneberang River, South Sulawesi, Indonesia). <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1134, 012039.	0.3	1
1512	Microplastics: A Real Global Threat for Environment and Food Safety: A State of the Art Review. <i>Nutrients</i> , 2023, 15, 617.	4.1	44
1513	Assessment of Microplastics Pollution on Soil Health and Eco-toxicological Risk in Horticulture. <i>Soil Systems</i> , 2023, 7, 7.	2.6	7
1514	Preliminary study on the occurrence of microplastics in a local sewage treatment plant. <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1144, 012007.	0.3	0
1516	Recent Advances in Catalytic Chemical Recycling of Polyolefins. <i>ChemCatChem</i> , 2023, 15, .	3.7	8
1517	Microplastics in the Ganga-Brahmaputra delta: Sources and Pathways to the Sundarbans Biosphere Reserve - an UNESCO World Heritage Centre. <i>Environmental Advances</i> , 2023, 11, 100350.	4.8	5



#	ARTICLE	IF	CITATIONS
1518	Source or sink role of an urban lake for microplastics from Guangdong-Hong Kong-Macao greater bay area, China. <i>Environmental Research</i> , 2023, 224, 115492.	7.5	6
1519	Distribution of microplastics in freshwater systems in an urbanized region: A case study in Flanders (Belgium). <i>Science of the Total Environment</i> , 2023, 872, 162192.	8.0	8
1520	Is the petrochemical industry an overlooked critical source of environmental microplastics?. <i>Journal of Hazardous Materials</i> , 2023, 451, 131199.	12.4	6
1521	Insights into the degradation of high-density polyethylene microplastics using microbial strains: Effect of process parameters, degradation kinetics and modeling. <i>Waste Management</i> , 2023, 164, 143-153.	7.4	7
1522	Exposure of the amphipod <i>Hyalella azteca</i> to microplastics. A study on subtoxic responses and particle biofragmentation. <i>Aquatic Toxicology</i> , 2023, 258, 106516.	4.0	6
1523	Size-dependent effect of microplastics on toxicity and fate of diclofenac in two algae. <i>Journal of Hazardous Materials</i> , 2023, 451, 131071.	12.4	7
1524	Probing the aging process and mechanism of microplastics under reduction conditions. <i>Journal of Hazardous Materials</i> , 2023, 451, 131185.	12.4	5
1525	Microplastic pollution in table salt and sugar: Occurrence, qualification and quantification and risk assessment. <i>Journal of Food Composition and Analysis</i> , 2023, 119, 105261.	3.9	14
1526	Microplastics altered cellular responses, physiology, behaviour, and regeneration of planarians feeding on contaminated prey. <i>Science of the Total Environment</i> , 2023, 875, 162556.	8.0	2
1527	A multidimensional approach for microplastics monitoring in two major tropical river basins, Malaysia. <i>Environmental Research</i> , 2023, 227, 115717.	7.5	7
1528	Eutrophication and contamination dynamics of Schweriner See, NE-Germany, during the past 670 years – A multi-proxy approach on lacustrine surface sediments and sediment cores. <i>Science of the Total Environment</i> , 2023, 877, 162745.	8.0	0
1529	Source, occurrence, distribution, fate, and implications of microplastic pollutants in freshwater on environment: A critical review and way forward. <i>Chemosphere</i> , 2023, 325, 138367.	8.2	28
1530	First quantification and chemical characterization of atmospheric microplastics observed in Seoul, South Korea. <i>Environmental Pollution</i> , 2023, 327, 121481.	7.5	8
1531	Exposure to polypropylene microplastics via diet and water induces oxidative stress in <i>Cyprinus carpio</i> . <i>Aquatic Toxicology</i> , 2023, 259, 106540.	4.0	9
1532	Adsorption of highly toxic chlorophenylacetonitriles on typical microplastics in aqueous solutions: Kinetics, isotherm, impact factors and mechanism. <i>Science of the Total Environment</i> , 2023, 880, 163261.	8.0	3
1533	Reinforced human intervention drives microplastic pollution in estuarine beaches and nearshore sediments of Dongshan Bay, China. <i>Gondwana Research</i> , 2023, 119, 153-163.	6.0	4
1534	Microplastics pollution in the rivers of a metropolitan city and its estimated dependency on surrounding developed land. <i>Science of the Total Environment</i> , 2023, 880, 163268.	8.0	2
1536	Parasite infection but not chronic microplastic exposure reduces the feeding rate in a freshwater fish. <i>Environmental Pollution</i> , 2023, 320, 121120.	7.5	5

#	ARTICLE	IF	CITATIONS
1537	Sulfide- and UV-induced aging differentially affect contaminant-binding properties of microplastics derived from commercial plastic products. <i>Science of the Total Environment</i> , 2023, 869, 161800.	8.0	7
1538	A critical review on recent research progress on microplastic pollutants in drinking water. <i>Environmental Research</i> , 2023, 222, 115312.	7.5	16
1539	Global Research Activities on Micro(nano)plastic Toxicity to Earthworms. <i>Toxics</i> , 2023, 11, 112.	3.7	1
1540	Dynamic characteristics of microplastics under tidal influence and potential indirect monitoring methods. <i>Science of the Total Environment</i> , 2023, 869, 161869.	8.0	5
1541	Effects of organic matter on the aggregation of anthropogenic microplastic particles in turbulent environments. <i>Water Research</i> , 2023, 232, 119706.	11.3	3
1542	Polystyrene microplastics arrest skeletal growth in puberty through accelerating osteoblast senescence. <i>Environmental Pollution</i> , 2023, 322, 121217.	7.5	6
1543	The effect of polystyrene foam in different doses on the blood parameters and relative mass of internal organs of white mice. <i>Biosystems Diversity</i> , 2022, 30, 436-441.	0.7	3
1544	Membrane sensors for pollution problems. , 2023, , 335-361.		0
1545	Grab and composite samples: Variations in the analysis of microplastics in a real wastewater treatment plant in the South of Spain. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109486.	6.7	5
1546	Characterization of suspended microplastics in surface waters of Chalakudy River, Kerala, India. <i>Chemistry and Ecology</i> , 0, , 1-20.	1.6	0
1547	Assessing the Mass Concentration of Microplastics and Nanoplastics in Wastewater Treatment Plants by Pyrolysis Gas Chromatography–Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2023, 57, 3114-3123.	10.0	26
1548	No Effect of Realistic Microplastic Exposure on Growth and Development of Wild-caught <i>Culex</i> (Diptera: Culicidae) Mosquitoes. <i>Journal of Medical Entomology</i> , 2023, 60, 604-607.	1.8	4
1549	Nano polystyrene microplastics could accumulate in Nile tilapia ( <i>Oreochromis niloticus</i> ): Negatively impacts on the intestinal and liver health through water exposure. <i>Journal of Environmental Sciences</i> , 2024, 137, 604-614.	6.1	7
1550	Microplastics trigger the Matthew effect on nitrogen assimilation in marine diatoms at an environmentally relevant concentration. <i>Water Research</i> , 2023, 233, 119762.	11.3	3
1551	Bromine Content Differentiates between Construction and Packaging Foams as Sources of Plastic and Microplastic Pollution. <i>ACS ES&amp;T Water</i> , 2023, 3, 876-884.	4.6	4
1552	Chironomus sp. as a Bioindicator for Assessing Microplastic Contamination and the Heavy Metals Associated with It in the Sediment of Wastewater in Sohag Governorate, Egypt. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	2.4	5
1553	Microplastic Detection and Analysis from Water and Sediment: A Review. <i>Macromolecular Symposia</i> , 2023, 407, .	0.7	4
1554	Membrane and filtration processes for microplastic removal. , 2023, , 203-220.		0

#	ARTICLE	IF	CITATIONS
1555	Multispecies assemblages and multiple stressors: Synthesizing the state of experimental research in freshwaters. Wiley Interdisciplinary Reviews: Water, 2023, 10, .	6.5	1
1556	Experimental Assessment of Drag Coefficient for Quasi-Radially-Symmetric Microplastic Particles Sinking in Water Stream. Journal of Marine Science and Engineering, 2023, 11, 549.	2.6	1
1557	Nanoplastic-Induced Biological Effects In Vivo and In Vitro: An Overview. Reviews of Environmental Contamination and Toxicology, 2023, 261, .	1.3	4
1558	Study on Copper Desorption Behavior from Microplastic Particles in Different Media. Water, Air, and Soil Pollution, 2023, 234, .	2.4	1
1559	Using Social Media to Determine the Global Distribution of Plastics in Birdsâ€™ Nests: The Role of Riverine Habitats. Land, 2023, 12, 670.	2.9	1
1560	Study on the Mechanism of Molecular Weight Reduction of Polyethylene Based on Fe-Montmorillonite and Its Potential Application. Polymers, 2023, 15, 1429.	4.5	1
1561	Effect of microplastics on soil microbial community and microbial degradation of microplastics in soil: A review. Environmental Engineering Research, 2023, 28, 220716-0.	2.5	7
1562	Optimizing the Concentration of Nile Red for Screening of Microplastics in Drinking Water. ACS ES&T Water, 2023, 3, 1029-1038.	4.6	5
1564	Abundance and characteristics of microplastics in major urban lakes of Dhaka, Bangladesh. Heliyon, 2023, 9, e14587.	3.2	8
1566	Water or sediment? Assessing seasonal microplastic accumulation from wastewater treatment works. H2Open Journal, 2023, 6, 88-104.	1.7	2
1567	Polystyrene microplastic particles induced hepatotoxic injury via pyroptosis, oxidative stress, and fibrotic changes in adult male albino rats; the therapeutic role of silymarin. Toxicology Mechanisms and Methods, 2023, 33, 512-528.	2.7	4
1568	Ingestion of polystyrene microparticles impairs survival and defecation in larvae of Polistes satan (Hymenoptera: Vespidae). Environmental Science and Pollution Research, 2023, 30, 58527-58535.	5.3	3
1569	Effects of Cumulative Rainfall Amount and Nearby Sources on Plastic Pieces on the Shoulder. Journal of Environmental Chemistry, 2023, 33, 41-50.	0.2	0
1570	Microwave-Assisted Synthesis of SrTiO <sub>3</sub> Nanocuboids without TiCl <sub>4</sub> . Small Science, 2023, 3, .	9.9	2
1571	Deciphering Gut Microbiome Responses upon Microplastic Exposure via Integrating Metagenomics and Activity-Based Metabolomics. Metabolites, 2023, 13, 530.	2.9	2
1572	Molecular Toxicity Mechanism of Microplastics in the Reservoir. , 2023, , 173-181.		0
1573	A mixed method assessment of research productivity on microplastics in various compartments in the environment. International Journal of Environmental Science and Technology, 2023, 20, 12847-12874.	3.5	1
1574	Microplastics in Harbour Seawaters: A Case Study in the Port of Gdynia, Baltic Sea. Sustainability, 2023, 15, 6678.	3.2	3

#	ARTICLE	IF	CITATIONS
1575	Application of High-Resolution Near-Infrared Imaging Spectroscopy to Detect Microplastic Particles in Different Environmental Compartments. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	2.4	3
1576	Parental exposure to polystyrene nanoplastics and di(2-ethylhexyl) phthalate induces transgenerational growth and reproductive impairments through bioaccumulation in <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2023, 882, 163657.	8.0	7
1578	First comparative assessment of contamination by plastics and non-synthetic particles in three bivalve species from an Italian sub-alpine lake. <i>Environmental Pollution</i> , 2023, 330, 121752.	7.5	1
1579	Impact of separate concentrations of polyethylene microplastics on the ability of pollutants removal during the operation of constructed wetland-microbial fuel cell. <i>Journal of Environmental Management</i> , 2023, 341, 118107.	7.8	14
1580	Effects of humic acids on the adsorption of Pb(II) ions onto biofilm-developed microplastics in aqueous ecosystems. <i>Science of the Total Environment</i> , 2023, 882, 163466.	8.0	4
1581	Towards sustainability through the circular economy of plastic packaging waste management in Rayong Province, Thailand. <i>Journal of Material Cycles and Waste Management</i> , 2023, 25, 1824-1840.	3.0	7
1583	A systematic review of the effects of microplastics and nanoplastics on the soil-plant system. <i>Sustainable Production and Consumption</i> , 2023, 38, 266-282.	11.0	11
1584	Long-term effect of polyethylene microplastics on the bioelectrochemical nitrogen removal process. <i>Chemical Engineering Journal</i> , 2023, 466, 143172.	12.7	1
1585	Microplastic burden in invasive signal crayfish (<i>Pacifastacus leniusculus</i>) increases along a stream urbanization gradient. <i>Ecology and Evolution</i> , 2023, 13, .	1.9	0
1586	Identification, quantification and biodegradation of microplastics from personal care products and detergents by microorganism. <i>Journal of Water Process Engineering</i> , 2023, 53, 103754.	5.6	0
1587	Small-Scale Model Experiments on Plastic Fragment Removal from Water Flows Using Multiple Filters in a Floating Body. <i>Journal of Marine Science and Engineering</i> , 2023, 11, 991.	2.6	0
1588	Status of Safety Concerns of Microplastic Detection Strategies. , 2023, , 727-749.		0
1589	Abundance and characteristics of microplastics in a freshwater river in northwestern Himalayas, India - Scenario of riverbank solid waste disposal sites. <i>Science of the Total Environment</i> , 2023, 886, 164027.	8.0	4
1590	Assessment of microplastic accumulation in aquatic insects of different feeding guilds collected from wastewater in Sohag Governorate, Egypt. <i>Marine and Freshwater Research</i> , 2023, 74, 733-745.	1.3	5
1591	Principles and Methods for the Removal of Microplastics in Wastewater. , 2023, , 1-15.		0
1592	Impacts of Biofilm Formation on the Physicochemical Properties and Toxicity of Microplastics: A Concise Review. <i>Reviews of Environmental Contamination and Toxicology</i> , 2023, 261, .	1.3	2
1593	Evaluation of the nanoplastics removal by using starch-based coagulants: Roles of the chain architecture and hydrophobicity of the coagulant. <i>Separation and Purification Technology</i> , 2023, 319, 124045.	7.9	3
1594	Sources, distribution, and environmental effects of microplastics: a systematic review. <i>RSC Advances</i> , 2023, 13, 15566-15574.	3.6	8

#	ARTICLE	IF	CITATIONS
1595	Trophic transfer of microplastics from producer ( <i>Lemna minuta</i> ) to primary consumer ( <i>Cataclysta</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	8.0	7
1596	Microplastic pollution of drinking water in a metropolis. <i>Journal of Water and Health</i> , 2023, 21, 687-701.	2.6	0
1597	Effects of microplastics in freshwater fishes health and the implications for human health. <i>Brazilian Journal of Biology</i> , 0, 84, .	0.9	2
1598	The effect of planktivorous fish (juvenile <i>Perca fluviatilis</i> ) on the taxonomic diversity of microplastic particles-colonized bacterial community. , 2023, 90, 414-430.		0
1599	Transcriptome analysis of response mechanism to Microcystin-LR and microplastics stress in Asian clam ( <i>Corbicula fluminea</i> ). <i>Fish and Shellfish Immunology</i> , 2023, 139, 108875.	3.6	1
1600	Quantitative assessment of microplastic contamination in muddy shores of Gulf of Khambhat, India. <i>Marine Pollution Bulletin</i> , 2023, 192, 115131.	5.0	10
1601	Microplastics disrupt energy metabolism in the brackish water flea <i>Diaphanosoma celebensis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2023, 271, 109680.	2.6	1
1602	Abundance of microplastics in urban lakes of Chennai, India and their possible health risks. <i>Urban Climate</i> , 2023, 49, 101548.	5.7	2
1603	Detection of microplastic traces in four different types of municipal wastewater treatment plants through FT-IR and TED-GC-MS. <i>Environmental Pollution</i> , 2023, 333, 122017.	7.5	3
1604	Interfacial Interactions of Uranium and Arsenic with Microplastics: From Field Detection to Controlled Laboratory Tests. <i>Environmental Engineering Science</i> , 2023, 40, 562-573.	1.6	4
1605	Evolution of Floods: From Ancient Times to the Present Times (ca 7600 BC to the Present) and the Future. <i>Land</i> , 2023, 12, 1211.	2.9	3
1606	The complexity of micro- and nanoplastic research in the genus <i>Daphnia</i> – A systematic review of study variability and a meta-analysis of immobilization rates. <i>Journal of Hazardous Materials</i> , 2023, 458, 131839.	12.4	3
1607	A novel bacterial combination for efficient degradation of polystyrene microplastics. <i>Journal of Hazardous Materials</i> , 2023, 458, 131856.	12.4	15
1608	Identification of the driving factors of microplastic load and morphology in estuaries for improving monitoring and management strategies: A global meta-analysis. <i>Environmental Pollution</i> , 2023, 333, 122014.	7.5	4
1609	Ingestion and egestion of microplastic by aquatic insects in Egypt wastewater. <i>Environmental Quality Management</i> , 2023, 33, 135-145.	1.9	4
1610	Do flushed biodegradable wet wipes really degrade?. <i>Science of the Total Environment</i> , 2023, 894, 164912.	8.0	1
1611	Tracing and trapping micro- and nanoplastics: Untapped mitigation potential of aquatic plants?. <i>Water Research</i> , 2023, 242, 120249.	11.3	8
1612	The Global Trend of Microplastic Research in Freshwater Ecosystems. <i>Toxics</i> , 2023, 11, 539.	3.7	1

#	ARTICLE	IF	CITATIONS
1613	Response characteristics of indigenous microbial community in polycyclic aromatic hydrocarbons (PAHs) contaminated aquifers under polyethylene microplastics stress: A microcosmic experimental study. <i>Science of the Total Environment</i> , 2023, 894, 164900.	8.0	3
1614	Biotechnology Remediation and Environmental Behavior of Microplastics in Soils: A Review. <i>Reviews of Environmental Contamination and Toxicology</i> , 2023, 261, .	1.3	1
1615	Sub-chronic exposure of <i>Oreochromis niloticus</i> to environmentally relevant concentrations of smaller microplastics: Accumulation and toxico-physiological responses. <i>Journal of Hazardous Materials</i> , 2023, 458, 131916.	12.4	5
1616	Can microplastics threaten plant productivity and fruit quality? Insights from Micro-Tom and Micro-PET/PVC. <i>Science of the Total Environment</i> , 2023, 895, 165119.	8.0	14
1617	Microplastics in aquatic systems: A review of occurrence, monitoring and potential environmental risks. <i>Environmental Advances</i> , 2023, 13, 100396.	4.8	6
1618	Mikroplastik KirliliĖi ve Tatlısu Ekosistemlerindeki Etkileri. , 0, , .		0
1619	Occurrences, sources, fate and impacts of plastic on aquatic organisms and human health in global perspectives: What Bangladesh can do in future?. <i>Environmental Geochemistry and Health</i> , 2023, 45, 5531-5556.	3.4	3
1620	Assessment and Comparison of Microplastic Contamination in Atlantic Navigation Routes with Known Uncertainty. <i>Environmental Science &amp; Technology</i> , 2023, 57, 10062-10069.	10.0	1
1621	Environmental Microplastics: A Significant Pollutant of the Anthropocene. , 2023, , 89-105.		0
1622	Conveyance, Bounty, and Dangers of Microplastics in Nature. , 2023, , 107-129.		0
1623	Recent advances on microplastics pollution and removal from wastewater systems: A critical review. <i>Journal of Environmental Management</i> , 2023, 340, 118014.	7.8	14
1624	Microplastics in the Freshwater and Earthbound Conditions: Prevalence, Destinies, Impacts, and Supportable Arrangements. , 2023, , 15-36.		0
1627	Microplastics and nanoplastics contamination in raw and treated water. <i>Water Science and Technology: Water Supply</i> , 2023, 23, 2267-2282.	2.1	2
1628	A critical review of environmental factors influencing the transport dynamics of microplastics in riverine systems: implications for ecological studies. <i>Aquatic Ecology</i> , 2023, 57, 557-570.	1.5	2
1629	Microplastics as vectors of chemical contaminants and biological agents in freshwater ecosystems: Current knowledge status and future perspectives. <i>Environmental Pollution</i> , 2023, 330, 121829.	7.5	17
1630	Standardization of micro-FTIR methods and applicability for the detection and identification of microplastics in environmental matrices. <i>Science of the Total Environment</i> , 2023, 888, 164157.	8.0	14
1631	Investigation of microplastic ingestion in commercial fish from Surabaya river, Indonesia. <i>Environmental Pollution</i> , 2023, 331, 121807.	7.5	2
1632	Global research hotspots and trends on microplastics: a bibliometric analysis. <i>Environmental Science and Pollution Research</i> , 2023, 30, 107403-107418.	5.3	4

#	ARTICLE	IF	CITATIONS
1634	Leveraging Multi-target Strategies to Address Plastic Pollution in the Context of an Already Stressed Ocean. , 2023, , 141-184.		0
1635	Distribution, abundance, and risks posed by microplastics in surface waters of the Yangtze River Basin, China. Environmental Pollution, 2023, 333, 122086.	7.5	4
1636	Combined toxic effects of cadmium and environmental microplastics in <i>Aphanius fasciatus</i> (Pisces,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	0
1637	Toxic effects of sub-acute microplastic (polyamide) exposure on the accumulation, hematological, and antioxidant responses in crucian carp, <i>Carassius carassius</i> . Environmental Toxicology and Pharmacology, 2023, 102, 104199.	4.0	2
1638	Microplastic contamination in Indian rural and urban lacustrine ecosystems. Science of the Total Environment, 2023, 895, 165146.	8.0	3
1639	Characterization of microplastics and its pollution load index in freshwater Kumaraswamy Lake of Coimbatore, India. Environmental Toxicology and Pharmacology, 2023, 101, 104207.	4.0	3
1640	Proceeding the categorization of microplastics through deep learning-based image segmentation. Science of the Total Environment, 2023, 896, 165308.	8.0	1
1641	Effects of nanoplastics and microplastics on the availability of pharmaceuticals and personal care products in aqueous environment. Journal of Hazardous Materials, 2023, 458, 131999.	12.4	3
1642	Occurrence of plastics and their characterization in wild caught fish species ( <i>Labeo rohita</i> , Wallago) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	7.5	2
1643	Micro/nanoplastics pollution in the global mangrove ecosystem: A comprehensive review on the sources, fates and effects. Advances in Chemical Pollution, Environmental Management and Protection, 2023, , .	0.5	0
1645	Complex interactions among temperature, microplastics and cyanobacteria may facilitate cyanobacteria proliferation and microplastic deposition. Ecotoxicology and Environmental Safety, 2023, 263, 115259.	6.0	4
1646	Ecological risks of microplastics contamination with green solutions and future perspectives. Science of the Total Environment, 2023, 899, 165688.	8.0	8
1647	The occurrence and distribution of microplastic contamination in Qara-sou river, Iran: incidence, quantification, and qualification. International Journal of Environmental Health Research, 0, , 1-16.	2.7	0
1648	Microplastics in feed cause sublethal changes in the intestinal microbiota and a non-specific immune response indicator of the freshwater crayfish <i>Procambarus clarkii</i> (Decapoda: Cambaridae). Frontiers in Microbiology, 0, 14, .	3.5	0
1649	Impact and mitigation of lead, cadmium and micro/nano plastics in fragrant rice. Environmental Pollution, 2023, 334, 122224.	7.5	0
1650	Study of the Effect of Microplastics on the Generation of Chlorinated Disinfection Byproducts of Ciprofloxacin. Water, Air, and Soil Pollution, 2023, 234, .	2.4	0
1651	Toxicity of microplastics and nanoplastics to <i>Daphnia magna</i> : Current status, knowledge gaps and future directions. TrAC - Trends in Analytical Chemistry, 2023, 167, 117208.	11.4	4
1652	Occurrence of microplastic pollution in rivers globally: Driving factors of distribution and ecological risk assessment. Science of the Total Environment, 2023, 904, 165979.	8.0	2



#	ARTICLE	IF	CITATION
1653	Distribui�o longitudinal, vertical e temporal de micropl�sticos no Igarap� do Mindu em Manaus, Amazonas. Engenharia Sanitaria E Ambiental, 0, 28, .	0.5	0
1654	Sludge drying and dewatering processes influence the abundance and characteristics of microplastics in wastewater treatment plants. Chemosphere, 2023, 339, 139743.	8.2	5
1655	Nanoplastic Sources, Characterization, Ecological Impact, Remediation and Policies. Environmental Chemistry for A Sustainable World, 2023, , 237-249.	0.5	0
1656	Microplastic Sources, Transport, Exposure, Analysis and Removal. Environmental Chemistry for A Sustainable World, 2023, , 175-209.	0.5	0
1657	Machine Learning-Assisted Insights into Sources and Fate of Microplastics in Wastewater Treatment Plants. ACS ES&T Water, 2024, 4, 1107-1118.	4.6	1
1658	Degradation of microplastics during wet air oxidation treatment. Chemical Engineering Journal, 2023, 474, 145653.	12.7	0
1659	Distribution and abundance of microplastics in the water column of Vembanad Lake��A Ramsar site in Kerala, India. Marine Pollution Bulletin, 2023, 194, 115433.	5.0	2
1660	Toxicity of microplastics and nanoplastics: invisible killers of female fertility and offspring health. Frontiers in Physiology, 0, 14, .	2.8	1
1661	Occurrence of Microplastics in Kemena River and Niah River of Sarawak, Malaysia. , 2023, 1, 1-13.		2
1662	Evaluation of microplastic pollution in a lotic ecosystem and its ecological risk. Marine Pollution Bulletin, 2023, 194, 115401.	5.0	3
1663	Evaluation of Microplastics and Microcystin-LR Effect for Asian Clams (Corbicula fluminea) by a Metabolomics Approach. Marine Biotechnology, 2023, 25, 763-777.	2.4	1
1664	Analyzing the impacts of cadmium alone and in co-existence with polypropylene microplastics on wheat growth. Frontiers in Plant Science, 0, 14, .	3.6	2
1665	Quantifying health risks of plastisphere antibiotic resistome and deciphering driving mechanisms in an urbanizing watershed. Water Research, 2023, 245, 120574.	11.3	4
1666	Water-Resistant Tough Composites of Cellulose Nanofibers and Hydroxyapatite. ACS Applied Polymer Materials, 2023, 5, 8082-8088.	4.4	1
1667	Systematic Review of Degradation Processes for Microplastics: Progress and Prospects. Sustainability, 2023, 15, 12698.	3.2	5
1669	Occurrence and spatial distribution of microplastics in the intertidal sediments along the Oman Sea. Marine Pollution Bulletin, 2023, 194, 115360.	5.0	1
1670	Effects of near-bed turbulence on microplastics fate and transport in streams. Science of the Total Environment, 2023, 905, 167173.	8.0	1
1671	Behavioral and demographic responses of the predatory rotifer Asplanchna sieboldii (Leydig, 1854) fed prey (Platyonus patulus (M�ller, 1786)) previously exposed to cadmium and microplastics. Aquatic Ecology, 0, , .	1.5	0

#	ARTICLE	IF	CITATIONS
1672	Nanoplastic impact on bone microenvironment: A snapshot from murine bone cells. Journal of Hazardous Materials, 2024, 462, 132717.	12.4	0
1673	Microplastics in Freshwater Ecosystems of India: Current Trends and Future Perspectives. ACS Omega, 2023, 8, 34235-34248.	3.5	3
1674	Global hotspots and trends in interactions of microplastics and heavy metals: a bibliometric analysis and literature review. Environmental Science and Pollution Research, 2023, 30, 93309-93322.	5.3	8
1675	Peculiarity of the Mechanism of Early Stages of Photo-Oxidative Degradation of Linear Low-Density Polyethylene Films in the Presence of Ferric Stearate. Polymers, 2023, 15, 3672.	4.5	0
1676	Microplastics impact simple aquatic food web dynamics through reduced zooplankton feeding and potentially releasing algae from consumer control. Science of the Total Environment, 2023, 904, 166691.	8.0	3
1677	Is 5Âmm still a good upper size boundary for microplastics in aquatic environments? Perspectives on size distribution and toxicological effects. Marine Pollution Bulletin, 2023, 196, 115591.	5.0	1
1678	Monthly variation and transport of microplastics from the Soan River into the Indus River. Science of the Total Environment, 2023, 905, 166877.	8.0	0
1679	Exposure to epoxy-modified nanoplastics in the range of 1¼g/L causes dysregulated intestinal permeability, reproductive capacity, and mitochondrial homeostasis by affecting antioxidant system in Caenorhabditis elegans. Aquatic Toxicology, 2023, 264, 106710.	4.0	2
1680	A comprehensive review on ecological effects of microplastic pollution: An interaction with pollutants in the ecosystems and future perspectives. TrAC - Trends in Analytical Chemistry, 2023, 168, 117294.	11.4	4
1681	Analysis and toxicity of microplastics in organisms and humans originated from aquatic environment. TrAC - Trends in Analytical Chemistry, 2023, 168, 117293.	11.4	0
1682	The Presence of Microplastics and Plasticizers in Different Tissues of Mullet (Mugil cephalus) Along the East Java Coast in Indonesia. Water, Air, and Soil Pollution, 2023, 234, .	2.4	2
1683	Microplastics Residence Time in Marine Copepods: An Experimental Study. Sustainability, 2023, 15, 14970.	3.2	0
1684	Interactions between microplastics and primary producers in aquatic ecosystems. Advances in Chemical Pollution, Environmental Management and Protection, 2023, , .	0.5	1
1685	Impact of Microplastics on Flora and Fauna. , 2023, , 45-68.		0
1686	Microplastic as a Multiple Stressor. , 2023, , 125-155.		0
1687	Microplastics in advanced biological wastewater treatment plant of Kocaeli, Turkey: point source of microplastics reaching Marmara Sea. International Journal of Environmental Science and Technology, 2024, 21, 1263-1284.	3.5	0
1688	Bibliometric analysis for global marine microplastic pollution control from 2013 to 2022. Frontiers in Environmental Science, 0, 11, .	3.3	0
1689	Hydro-geomorphic perspectives on microplastic distribution in freshwater river systems: A critical review. Water Research, 2023, 245, 120567.	11.3	3

#	ARTICLE	IF	CITATIONS
1690	Morphological and lipid metabolism alterations in macrophages exposed to model environmental nanoplastics traced by high-resolution synchrotron techniques. <i>Frontiers in Immunology</i> , 0, 14, .	4.8	2
1691	Microplastics and Polycyclic Aromatic Hydrocarbons: Abundance, Distribution, and Chemical Analyses in the Nash Run, an Urban Tributary to the Anacostia River (Washington, DC, USA). <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	2.4	1
1693	Plastic pollution in the aquatic ecosystem: An emerging threat and its mechanisms. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2023, , .	0.5	0
1694	Wastewater treatment plants elevating microplastic abundances, ecological risks, and loads in Japanese rivers: a source-to-sink perspective. <i>Environmental Science and Pollution Research</i> , 2023, 30, 96499-96514.	5.3	0
1695	Size-selective microplastic uptake by freshwater organisms: Fish, mussel, and zooplankton. <i>Environmental Pollution</i> , 2023, 336, 122445.	7.5	2
1696	A review on takeaway packaging waste: Types, ecological impact, and disposal route. <i>Environmental Pollution</i> , 2023, 337, 122518.	7.5	3
1697	Microplastic pollution: Understanding microbial degradation and strategies for pollutant reduction. <i>Science of the Total Environment</i> , 2023, 905, 167098.	8.0	6
1698	Microplastics in wastewater treatment plants and their contributions to surface water and farmland pollution in China. <i>Chemosphere</i> , 2023, 343, 140239.	8.2	0
1699	Understanding allochthonous marine litter in a Protected Area in the Amazon Coast. <i>Marine Pollution Bulletin</i> , 2023, 195, 115548.	5.0	0
1700	Size Selection by Zebra Mussels ( <i>Dreissena polymorpha</i> ) Exposed to Microplastic Fibers. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	2.4	0
1701	Microplastic distribution in Surface Water and Sediments of Way Belau River, Lampung, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1239, 012002.	0.3	1
1702	The Interplay Between Environmental Pollutants, Gut Microbiota, and Infections. <i>Health Information Systems and the Advancement of Medical Practice in Developing Countries</i> , 2023, , 173-207.	0.1	1
1704	The Challenge of Microplastics in Aquatic Ecosystem: A Review of Current Consensus and Future Trends of the Effect on the Fish. , 2023, , 54-67.		0
1705	Occurrence and Source of Microplastic in the Environment. , 2023, , 18-44.		0
1706	Distribution of Microplastics in Man-made Water Bodies. , 2023, , 197-220.		0
1707	Microplastics in the Environment: Its Sources, Occurrence, Impact on Human Health and Environment. <i>Lecture Notes in Civil Engineering</i> , 2024, , 267-288.	0.4	0
1709	Current advances in microplastic contamination in aquatic sediment: Analytical methods, global occurrence, and effects on elemental cycling. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 168, 117331.	11.4	4
1710	Chemical Leaching into Food and the Environment Poses Health Hazards. <i>Sustainable Development Goals Series</i> , 2023, , 129-148.	0.4	0

#	ARTICLE	IF	CITATIONS
1711	Organic matter stability and lability in terrestrial and aquatic ecosystems: A chemical and microbial perspective. <i>Science of the Total Environment</i> , 2024, 906, 167757.	8.0	1
1712	Hypothetical scenarios of microplastics propagation in Lake Baikal. , 2023, , .		0
1713	Microplastics in Freshwater and Drinking Water: Sources, Impacts, Detection, and Removal Strategies. <i>Water, Air, and Soil Pollution</i> , 2023, 234, .	2.4	1
1714	Concentration analysis of metal-labeled nanoplastics in different water samples using electrochemistry. <i>Science of the Total Environment</i> , 2024, 907, 168013.	8.0	1
1715	Temporal variation of the microplastic concentration in a stream that receives discharge from wastewater treatment plants. <i>Environmental Pollution</i> , 2024, 340, 122776.	7.5	0
1716	Effects of polystyrene microplastics on the agronomic traits and rhizosphere soil microbial community of highland barley. <i>Science of the Total Environment</i> , 2024, 907, 167986.	8.0	5
1717	Microplastic accumulation in oysters: Insights from aquaculture and laboratory conditions. <i>Regional Studies in Marine Science</i> , 2023, 68, 103251.	0.7	0
1718	Plastic protective nets: A significant but neglected "reservoir" for priority chemicals as revealed by composition analysis. <i>Journal of Hazardous Materials</i> , 2024, 463, 132905.	12.4	0
1719	A Critical Assessment of Microplastics in Molluscan Shellfish with Recommendations for Experimental Protocols, Animal Husbandry, Publication, and Future Research. <i>Reviews in Fisheries Science and Aquaculture</i> , 0, , 1-133.	9.1	1
1720	UV Light Causes Structural Changes in Microplastics Exposed in Bio-Solids. <i>Polymers</i> , 2023, 15, 4322.	4.5	2
1721	Microplastic pollution in marine environments: Exploring sources, sinks, and consequences with a focus on algal interactions. <i>Regional Studies in Marine Science</i> , 2023, 68, 103270.	0.7	0
1722	Accumulation and migration of microplastics and its influencing factors in coastal saline-alkali soils amended with sewage sludge. <i>Ecotoxicology and Environmental Safety</i> , 2023, 266, 115597.	6.0	0
1723	Bioinspired Mechanical Materials"Development of High-Toughness Ceramics through Complexation of Calcium Phosphate and Organic Polymers. <i>Ceramics</i> , 2023, 6, 2117-2133.	2.6	0
1724	Aging of plastics in aquatic environments: Pathways, environmental behavior, ecological impacts, analyses and quantifications. <i>Environmental Pollution</i> , 2024, 341, 122926.	7.5	0
1725	Limited effects of different real groundwaters from three coastal cities in China on the transport of low-concentration nanoplastics in quartz sand. <i>Environmental Sciences: Processes and Impacts</i> , 2023, 25, 2148-2156.	3.5	1
1726	Empirical Shape-Based Estimation of Settling Microplastic Particles Drag Coefficient. <i>Journal of Marine Science and Engineering</i> , 2023, 11, 2166.	2.6	0
1727	Analysis of micro- and nanoplastics in wastewater treatment plants: key steps and environmental risk considerations. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	2.7	1
1728	Combined exposure to polyvinyl chloride and polystyrene microplastics induces liver injury and perturbs gut microbial and serum metabolic homeostasis in mice. <i>Ecotoxicology and Environmental Safety</i> , 2023, 267, 115637.	6.0	0

#	ARTICLE	IF	CITATIONS
1729	Photochemical reactivity of water-soluble dissolved organic matter from microplastics and microfibers. <i>Science of the Total Environment</i> , 2024, 911, 168616.	8.0	1
1730	Effect of pH on water durability of cellulose nanofiber-reinforced starch film. <i>Journal of Material Cycles and Waste Management</i> , 2024, 26, 723-730.	3.0	1
1731	Plastics and the Environment. <i>Annual Review of Environment and Resources</i> , 2023, 48, 55-79.	13.4	3
1732	Seasonal variations of microplastic in sediment, <i>Chironomus</i> sp. larvae, and chironomid tubes in two wastewater sites in Sohag Governorate, Egypt. <i>Environmental Science and Pollution Research</i> , 2023, 30, 125846-125865.	5.3	2
1733	Natural infochemical DMSP stimulates the transfer of microplastics from freshwater zooplankton to fish: An olfactory trap. <i>Aquatic Toxicology</i> , 2023, 265, 106735.	4.0	1
1734	Comprehensive review on sampling, characterization and distribution of microplastics in beach sand and sediments. <i>Trends in Environmental Analytical Chemistry</i> , 2023, 40, e00221.	10.3	2
1735	Transcriptomic analysis following polystyrene nanoplastic stress in the Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2023, 143, 109207.	3.6	0
1736	Responses of submerged macrophytes to different particle size microplastics and tetracycline co-pollutants at the community and population level. <i>Journal of Hazardous Materials</i> , 2024, 464, 132994.	12.4	0
1737	Source-specific categorization of microplastics in nearshore surface waters of the Great Lakes. <i>Journal of Great Lakes Research</i> , 2024, 50, 102256.	1.9	0
1738	Analysis of population size of <i>Pterygoplichthys multiradiatus</i> and its intake of microplastics in streams with different land uses. , 2023, 2, 045004.		0
1739	Effect of polypropylene microplastics on virus resistance in spotted sea bass ( <i>Lateolabrax maculatus</i> ). <i>Environmental Pollution</i> , 2024, 342, 123054.	7.5	0
1741	Sedimentary abundance and major determinants of river microplastic contamination in the central arid part of Iran. <i>Applied Water Science</i> , 2023, 13, .	5.6	0
1742	Visual detection of microplastics using Raman spectroscopic imaging. <i>Analyst</i> , The, 2023, 149, 161-168.	3.5	0
1743	Chemical and microbiological safety of drinking water in distribution networks made of plastic pipes. <i>Wiley Interdisciplinary Reviews: Water</i> , 2024, 11, .	6.5	0
1745	Algae-Based Bioremediation of Emerging Pollutants. , 2023, , 143-199.		0
1746	Microplastic and heavy metal interactions (adsorption and desorption) at different salinities. <i>BIO Web of Conferences</i> , 2023, 74, 05004.	0.2	0
1748	Impacts of some recyclable plastic on marine key species. , 2023, , .		0
1749	Abundance and characterization of microplastic pollution in the wildlife reserve, Ramsar site, recreational areas, and national park in northern Jakarta and Kepulauan Seribu, Indonesia. <i>Chemosphere</i> , 2024, 348, 140761.	8.2	0

#	ARTICLE	IF	CITATIONS
1750	Impact of Type and Shape of Microplastics on the Transport in Column Experiments. Ground Water, 0, , .	1.3	0
1751	Stormwater outlets: A source of microplastics in coastal zones of Cape Town, South Africa. Marine Pollution Bulletin, 2024, 198, 115800.	5.0	1
1752	A preliminary study on the natural aging behavior of microplastics in indoor and outdoor environments. International Journal of Environmental Science and Technology, 2024, 21, 1923-1936.	3.5	4
1754	Progress in Research on the Bioavailability and Toxicity of Nanoplastics to Freshwater Plankton. Microplastics, 2023, 2, 389-410.	4.2	0
1756	The potential toxicity of microplastics on human health. Science of the Total Environment, 2024, 912, 168946.	8.0	0
1757	Environmental pitfalls and associated human health risks and ecological impacts from landfill leachate contaminants: Current evidence, recommended interventions and future directions. Science of the Total Environment, 2024, 912, 169026.	8.0	1
1759	Peroxymonosulfate activation by microplastics coagulated sludge-derived iron-carbon composite for effective degradation of tetracycline hydrochloride: Performance and mechanism. Chemical Engineering Journal, 2024, 479, 147882.	12.7	0
1760	Soluble Microbial Products and Perfluorinated Compounds in Wastewater Treatment. Water (Switzerland), 2023, 15, 4216.	2.7	0
1761	Comparison of concentration, shape, and polymer composition between microplastics and mesoplastics in Japanese river waters. Water Research, 2024, 249, 120979.	11.3	1
1762	Preliminary Study of the Occurrence of Microplastics in the Sediments of the Rzeszów Reservoir Using the Laser Direct Infrared (LDIR) Method. Sustainability, 2023, 15, 16653.	3.2	0
1763	Seasonal variation of microplastics in tropical mangrove waters of South-western India. Regional Studies in Marine Science, 2024, 69, 103323.	0.7	0
1764	Microplastic Pollution in Aquatic Environment: Ecotoxicological Effects and Bioremediation Prospects. , 2023, , 297-324.		0
1765	The combined effects of polystyrene nanoplastics with nickel on oxidative stress and related toxic effects to earthworms from individual and cellular perspectives. Science of the Total Environment, 2024, 912, 168819.	8.0	0
1766	Polystyrene micro- and nanoplastics induce gastric toxicity through ROS mediated oxidative stress and P62/Keap1/Nrf2 pathway. Science of the Total Environment, 2024, 912, 169228.	8.0	2
1767	Reducing uncertainty and confronting ignorance about the potential impacts of microplastic on animals: A critical review. TrAC - Trends in Analytical Chemistry, 2024, 171, 117484.	11.4	0
1769	The mechanism of a submerged aquatic plant to various size of micro-nano plastics stress in ecological constructed wetland. Chemical Engineering Journal, 2024, 480, 147756.	12.7	0
1770	Airborne microplastic/nanoplastic research: a comprehensive Web of Science (WoS) data-driven bibliometric analysis. Environmental Science and Pollution Research, 2024, 31, 109-126.	5.3	2
1771	Photodegradation of polyethylene debris in water by sulfur-doped TiO2: system optimization, degradation mechanism, and reusability. Environmental Science and Pollution Research, 0, , .	5.3	0

#	ARTICLE	IF	CITATIONS
1772	A Comparative Study of Machine Learning and Deep Learning Models for Microplastic Classification using FTIR Spectra. , 2023, , .		0
1773	Food chain-mediated variation in excretion times of microplastics: Unraveling the interactions with plasticizers. Regional Studies in Marine Science, 2024, 69, 103343.	0.7	0
1774	Mechanistic insights into the efficient activation of peracetic acid by ZIF-67 for bisphenol A degradation. Surfaces and Interfaces, 2024, 44, 103808.	3.0	0
1775	Occurrence and distribution of plastic particles (10â€“25,000 Î¼m) and microfibers in the surface water of an urban river network in Japan. Environmental Monitoring and Assessment, 2024, 196, .	2.7	0
1776	Levels, spatial distributions, and provision of petroleum hydrocarbons and phthalates in sediments from Obhur lagoon, Red Sea coast of Saudi Arabia. Environmental Geochemistry and Health, 2024, 46, .	3.4	0
1777	Recognition and detection technology for microplastic, its source and health effects. Environmental Science and Pollution Research, 2024, 31, 11428-11452.	5.3	0
1778	Mitigating microplastic pollution: A critical review on the effects, remediation, and utilization strategies of microplastics. Journal of Environmental Management, 2024, 351, 119988.	7.8	3
1779	Maternal exposure to polyethylene micro- and nanoplastics impairs umbilical blood flow but not fetal growth in pregnant mice. Scientific Reports, 2024, 14, .	3.3	1
1780	Application and Efficacy of Management Interventions for the Control of Microplastics in Freshwater Bodies: A Systematic Review. Water (Switzerland), 2024, 16, 176.	2.7	0
1781	The correlation between echinoderms diversity and physicochemical parameters in marine pollution: A case study of the Persian Gulf coastline. Marine Pollution Bulletin, 2024, 199, 115989.	5.0	0
1782	Microplastic Ingestion by Fish in a Neotropical Reservoir: Effects of Reservoir Dynamics and Fish Traits. Water, Air, and Soil Pollution, 2024, 235, .	2.4	0
1785	Quantifying microplastic dispersion due to density effects. Journal of Hazardous Materials, 2024, 466, 133440.	12.4	0
1786	Microplastics in the surface water of urban lakes in central Vietnam: Pollution level, characteristics, and ecological risk assessment. Case Studies in Chemical and Environmental Engineering, 2024, 9, 100622.	6.1	2
1787	The physiological effect of polystyrene nanoplastic particles on fish and human fibroblasts. Science of the Total Environment, 2024, 914, 169979.	8.0	1
1788	Microplastics in River Sediments Around the Dhaka City: A Case Study for Occurrence and Quantification. Lecture Notes in Civil Engineering, 2024, , 101-114.	0.4	0
1789	Impacts of microplastics and urbanization on soil health: An urgent concern for sustainable development. , 2024, 8, 100095.		1
1790	Assessment of Sediment Grain Size and Its Correlation with Microplastic Accumulation and Characteristics in the Kahayan River, Indonesia. Environmental Forensics, 0, , 1-14.	2.6	0
1791	Toxic effects of polystyrene nanoplastics and polycyclic aromatic hydrocarbons (chrysene and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Aquatic Toxicology, 2024, 268, 106838.	4.0	0



#	ARTICLE	IF	CITATIONS
1792	Microplastic pollution in two industrial locations of the Karnaphuli River, Bangladesh: insights on abundance, types, and characteristics. Fisheries and Aquatic Sciences, 2023, 26, 715-725.	0.8	0
1793	Stoichiometric microplastics models in natural and laboratory environments. Journal of Theoretical Biology, 2024, 580, 111733.	1.7	0
1794	Collisions among elongated settling particles: The twofold role of turbulence. Physics of Fluids, 2024, 36, .	4.0	1
1795	Microplastic contamination in wastewater: Sources, distribution, detection and remediation through physical and chemical-biological methods. Science of the Total Environment, 2024, 916, 170254.	8.0	1
1796	Impact of a nanofiltration system on microplastic contamination in Geneva groundwater (Switzerland). Environmental Science and Pollution Research, 2024, 31, 13512-13522.	5.3	0
1797	Investigation of the adsorption behavior and adsorption mechanism of pollutants onto electron beam-aged microplastics. Science of the Total Environment, 2024, 917, 170298.	8.0	0
1798	Systematic CFD-based evaluation of physical factors influencing the spatiotemporal distribution patterns of microplastic particles in lakes. Science of the Total Environment, 2024, 917, 170218.	8.0	0
1799	Effects of polystyrene nanoplastics and PCB-44 exposure on growth and physiological biochemistry of Chlorella vulgaris. Science of the Total Environment, 2024, 918, 170366.	8.0	0
1801	Stimulated Raman Scattering Microscopy Reveals Bioaccumulation of Small Microplastics in Protozoa from Natural Waters. Environmental Science & Technology, 2024, 58, 2922-2930.	10.0	1
1802	Evaluation of chemical exposure to the sediment and green mussels (Perna viridis) at some coastal sites in Northern Vietnam. Regional Studies in Marine Science, 2024, 71, 103413.	0.7	0
1803	Microplastics in aquatic ecosystems of Africa: A comprehensive review and meta-analysis. Environmental Research, 2024, 248, 118307.	7.5	0
1804	New insights into the size-independent bioactive potential of pristine and UV-B aged polyethylene microplastics. Science of the Total Environment, 2024, 918, 170616.	8.0	0
1805	Zebrafish Insights into Nanomaterial Toxicity: A Focused Exploration on Metallic, Metal Oxide, Semiconductor, and Mixed-Metal Nanoparticles. International Journal of Molecular Sciences, 2024, 25, 1926.	4.1	0
1806	Microplastics removal mechanisms in constructed wetlands and their impacts on nutrient (nitrogen,) Tj ETQq1 1 0.784314 rgBT /Ove 170654.	8.0	0
1808	Comprehensive investigation on microplastics from source to sink. Clean Technologies and Environmental Policy, 0, .	4.1	0
1809	Independent and synergistic effects of microplastics and endocrine-disrupting chemicals on the reproductive social behavior of fathead minnows (<i>Pimephales promelas</i>). Ecology and Evolution, 2024, 14, .	1.9	0
1810	Spatiotemporal occurrence and characteristics of microplastics in the urban road dust in a megacity, eastern China. Journal of Hazardous Materials, 2024, 468, 133733.	12.4	0
1811	Nanomaterial-based electrochemical chemo(bio)sensors for the detection of nanoplastic residues: trends and future prospects. , 2024, 2, 832-851.		0

#	ARTICLE	IF	CITATIONS
1812	Comparison of sulfide-induced transformation of biodegradable and conventional microplastics: Mechanism and environmental fate. <i>Water Research</i> , 2024, 253, 121295.	11.3	0
1814	Beneath the surface: Decoding the impact of <i>Chironomus riparius</i> bioturbation on microplastic dispersion in sedimentary matrix. <i>Science of the Total Environment</i> , 2024, 919, 170844.	8.0	0
1815	Assessment of dietary polyvinylchloride, polypropylene and polyethylene terephthalate exposure in Nile tilapia, <i>Oreochromis niloticus</i> : Bioaccumulation, and effects on behaviour, growth, hematology and histology. <i>Environmental Pollution</i> , 2024, 345, 123548.	7.5	0
1816	Adsorption performance of nanoplastics in carbon filtration column. <i>Environmental Technology (United Kingdom)</i> , 0, , 1-10.	2.2	0
1817	Plastic pollution in Moreton Bay sediments, Southeast Queensland, Australia. <i>Science of the Total Environment</i> , 2024, 920, 170987.	8.0	0
1818	Microplastic occurrences, transport, and quantification and associated effects on primary productivity and carbon cycling processes in freshwater ecosystems. <i>TrAC - Trends in Analytical Chemistry</i> , 2024, 172, 117611.	11.4	0
1819	Microplastic pollution: a review of techniques to identify microplastics and their threats to the aquatic ecosystem. <i>Environmental Monitoring and Assessment</i> , 2024, 196, .	2.7	0
1820	Analysis of microplastic abundance in Brantas river, East Java. <i>AIP Conference Proceedings</i> , 2024, , .	0.4	0
1821	Interactions between microplastics and <i>Culex</i> sp. larvae in wastewater. <i>Water Environment Research</i> , 2024, 96, .	2.7	0
1822	Assessing the Behavior of Microplastics in Fluvial Systems: Infiltration and Retention Dynamics in Streambed Sediments. <i>Water Resources Research</i> , 2024, 60, .	4.2	0
1823	Microplastics in remote coral reef environments of the Xisha Islands in the South China Sea: Source, accumulation and potential risk. <i>Journal of Hazardous Materials</i> , 2024, 469, 133872.	12.4	0
1824	Decreased transport of nano- and micro-plastics in the presence of low-molecular-weight organic acids in saturated quartz sand. <i>Science of the Total Environment</i> , 2024, 921, 171195.	8.0	0
1825	Source, Transport, and Accumulation of Microfiber Wastes in the Environment. <i>Environmental Science and Engineering</i> , 2024, , 43-55.	0.2	0
1826	Selected legacy and emerging organic contaminants in sediments of China's Yangtze – the world's third longest river: Response to anthropogenic activities. <i>Environmental Pollution</i> , 2024, 346, 123608.	7.5	0
1827	A Multicompartment Assessment of Microplastic Contamination in Semi-remote Boreal Lakes. <i>Environmental Toxicology and Chemistry</i> , 2024, 43, 999-1011.	4.3	0
1828	Microplastic contamination, an emerging threat to the freshwater environment: a systematic review. <i>Environmental Systems Research</i> , 2024, 13, .	3.7	0
1830	Research Progress on Occurrence, Removal and Fate of Microplastics in WWTPs. <i>Journal of Physics: Conference Series</i> , 2024, 2706, 012073.	0.4	0
1831	Fate and behaviour of Microplastics (> 25µm) within the water distribution network, from water treatment works to service reservoirs and customer taps. <i>Water Research</i> , 2024, 255, 121508.	11.3	0

#	ARTICLE	IF	CITATIONS
1832	Growth and physiological responses of <i>Myriophyllum</i> sp. "Roraima" growing in co-cultivation with <i>Microcystis aeruginosa</i> under the influence of microplastics. <i>Environmental and Experimental Botany</i> , 2024, 222, 105745.	4.2	0
1833	Adsorption Behavior and Interaction of Micro-Nanoplastics in Soils and Aquatic Environment. , 2024, , 283-311.		0
1834	Plastic Debris in the Stomach of the Invasive Signal Crayfish <i>Pacifastacus leniusculus</i> from a Baltic Coastal River. <i>Water (Switzerland)</i> , 2024, 16, 903.	2.7	0
1835	A perspective on the impacts of microplastics on mosquito biology and their vectorial capacity. <i>Medical and Veterinary Entomology</i> , 2024, 38, 138-147.	1.5	0
1836	Microplastics and nanoplastics: Source, behavior, remediation, and multi-level environmental impact. <i>Journal of Environmental Management</i> , 2024, 356, 120618.	7.8	0