Microplastics in freshwater sediment: A review on meth

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Citation Report

#	Article	IF	Citations
1	Perspectives on Micro(Nano)Plastics in the Marine Environment: Biological and Societal Considerations. Water (Switzerland), 2020, 12, 3208.	1.2	22
2	Uptake/release of organic contaminants by microplastics: A critical review of influencing factors, mechanistic modeling, and thermodynamic prediction methods. Critical Reviews in Environmental Science and Technology, 2022, 52, 1356-1400.	6.6	22
3	Micro and Nanoplastics Identification: Classic Methods and Innovative Detection Techniques. Frontiers in Toxicology, 2021, 3, 636640.	1.6	113
4	Preliminary Assessment of Plastic Litter and Microplastic Contamination in Freshwater Depositional Areas: The Case Study of Puerto Misahualli, Ecuadorian Amazonia. Bulletin of Environmental Contamination and Toxicology, 2021, 107, 45-51.	1.3	12
5	Microbial degradation ofÂmicroplastics by enzymatic processes: a review. Environmental Chemistry Letters, 2021, 19, 3057-3073.	8.3	150
6	Modeling the Conditional Fragmentation-Induced Microplastic Distribution. Environmental Science & Technology, 2021, 55, 6012-6021.	4.6	44
7	Distribution of microplastics in soil and freshwater environments: Global analysis and framework for transport modeling. Environmental Pollution, 2021, 274, 116552.	3.7	189
8	Microplastics in the Aquatic Environment: Occurrence, Persistence, Analysis, and Human Exposure. Water (Switzerland), 2021, 13, 973.	1.2	56
9	Characterization of plastics and their ecotoxicological effects in the Lambro River (N. Italy). Journal of Hazardous Materials, 2021, 412, 125204.	6.5	15
10	Microplastics in lakeshore and lakebed sediments â€“ External influences and temporal and spatial variabilities of concentrations. Environmental Research, 2021, 197, 111141.	3.7	32
11	Microplastic particles in the aquatic environment: A systematic review. Science of the Total Environment, 2021, 775, 145793.	3.9	101
12	Dispersal and transport of microplastics in river sediments. Environmental Pollution, 2021, 279, 116884.	3.7	78
13	Microplastics abundance, distribution, and composition in freshwater and sediments from the largest Xijin Wetland Park, Nanning, South China. Gondwana Research, 2022, 108, 13-21.	3.0	13
14	Micro-abrasive glass surface for producing microplastics for biological tests. Wear, 2021, 477, 203816.	1.5	6
15	Freshwater wild biota exposure to microplastics: A global perspective. Ecology and Evolution, 2021, 11, 9904-9916.	0.8	17
16	Seasonal microplastic variations in estuarine sediments from urban canal on the west coast of Thailand: A case study in Phuket province. Marine Pollution Bulletin, 2021, 168, 112452.	2.3	29
17	Toxic effects of acute exposure to polystyrene microplastics and nanoplastics on the model insect, silkworm Bombyx mori. Environmental Pollution, 2021, 285, 117255.	3.7	49
18	Presence of polyethylene terephthalate (PET) fibers in hyporheic zone alters colonization patterns and seasonal dynamics of biofilm metabolic functioning. Water Research, 2021, 203, 117455.	5.3	9

#	Article	IF	Citations
19	Sewage sludge as a source of microplastics in the environment: A review of occurrence and fate during sludge treatment. Journal of Environmental Management, 2021, 295, 113028.	3.8	52
20	Microplastic characteristics in organisms of different trophic levels from Liaohe Estuary, China. Science of the Total Environment, 2021, 789, 148027.	3.9	58
21	Spatio-temporal distribution of microplastics in a Mediterranean river catchment: The importance of wastewater as an environmental pathway. Journal of Hazardous Materials, 2021, 420, 126481.	6.5	53
22	Microplastics retention by reeds in freshwater environment. Science of the Total Environment, 2021, 790, 148200.	3.9	63
23	Analysis of microplastics and nanoplastics: How green are the methodologies used?. Current Opinion in Green and Sustainable Chemistry, 2021, 31, 100503.	3.2	15
24	Combined toxicity of micro/nano scale polystyrene plastics and ciprofloxacin to Corbicula fluminea in freshwater sediments. Science of the Total Environment, 2021, 789, 147887.	3.9	42
25	Research progresses of microplastic pollution in freshwater systems. Science of the Total Environment, 2021, 795, 148888.	3.9	70
26	Generation of nanoplastics during the photoageing of low-density polyethylene. Environmental Pollution, 2021, 289, 117919.	3.7	36
27	Microplastics in the Koshi River, a remote alpine river crossing the Himalayas from China to Nepal. Environmental Pollution, 2021, 290, 118121.	3.7	48
28	Paleolimnology: Long-Term Reconstructions of Environmental Change. , 2021, , .		0
29	Seeking for a perfect (non-spherical) microplastic particle â€“ The most comprehensive review on microplastic laboratory research. Journal of Hazardous Materials, 2022, 424, 127529.	6.5	65
30	Review of Microplastic Distribution, Toxicity, Analysis Methods, and Removal Technologies. Water (Switzerland), 2021, 13, 2736.	1.2	40
31	Effects of long-term exposure to silver nanoparticles on the structure and function of microplastic biofilms in eutrophic water. Environmental Research, 2022, 207, 112182.	3.7	7
32	Microplastics in lakes and rivers: an issue of emerging significance to limnology. Environmental Reviews, 2022, 30, 228-244.	2.1	38
33	Characterization of microplastics in sediment using stereomicroscopy and laser direct infrared (LDIR) spectroscopy. Gondwana Research, 2022, 108, 22-30.	3.0	29
34	Updated review on microplastics in water, their occurrence, detection, measurement, environmental pollution, and the need for regulatory standards. Environmental Pollution, 2022, 292, 118421.	3.7	63
35	Sampling of micro- and nano-plastics in environmental matrixes. TrAC - Trends in Analytical Chemistry, 2021, 145, 116461.	5.8	13
36	Global meta-analysis of microplastic contamination in reservoirs with a novel framework. Water Research, 2021, 207, 117828.	5.3	68

#	Article	IF	Citations
37	Spatial distribution of microplastics in Chinese freshwater ecosystem and impacts on food webs. Environmental Pollution, 2022, 293, 118494.	3.7	13
38	Evidence for Microplastics Contamination of the Remote Tributary of the Yenisei River, Siberiaâ€"The Pilot Study Results. Water (Switzerland), 2021, 13, 3248.	1.2	12
39	Interactions and associated resistance development mechanisms between microplastics, antibiotics and heavy metals in the aquaculture environment. Reviews in Aquaculture, 2022, 14, 1028-1045.	4.6	42
40	The contamination of microplastics in China's aquatic environment: Occurrence, detection and implications for ecological risk. Environmental Pollution, 2022, 296, 118737.	3.7	37
41	A Mini-Review of Strategies for Quantifying Anthropogenic Activities in Microplastic Studies in Aquatic Environments. Polymers, 2022, 14, 198.	2.0	6
42	Plastic pollution in marine and freshwater environments: abundance, sources, and mitigation. , 2022, , 241-274.		11
43	Integrated Genomic and Bioinformatics Approaches to Identify Molecular Links between Endocrine Disruptors and Adverse Outcomes. International Journal of Environmental Research and Public Health, 2022, 19, 574.	1.2	4
44	Extraction, Enumeration, and Identification Methods for Monitoring Microplastics in the Aquatic Environment. Emerging Contaminants and Associated Treatment Technologies, 2022, , 21-66.	0.4	2
45	Assessment of Microplastics in Irish River Sediment. SSRN Electronic Journal, 0, , .	0.4	0
46	Quantity and fate of synthetic microfiber emissions from apparel washing in California and strategies for their reduction. Environmental Pollution, 2022, 298, 118835.	3.7	13
47	Occurrence of microplastics in edible aquatic insect Pantala sp. (Odonata: Libellulidae) from rice fields. PeerJ, 2022, 10, e12902.	0.9	4
48	Following the fate of microplastic in four abiotic and biotic matrices along the Ticino River (North) Tj ETQq1 1 0.784314 rgBT /Overlock	3.9	17
49	Plastic Pollution, Waste Management Issues, and Circular Economy Opportunities in Rural Communities. Sustainability, 2022, 14, 20.	1.6	60
50	Fibrous and Filmy Microplastics Exert Opposite Effects on the Mobility of Nanoplastics in Saturated Porous Media. SSRN Electronic Journal, 0, , .	0.4	0
51	The Human Connection: First Evidence of Microplastics in Remote High Mountain Lakes of Sierra Nevada, Spain. SSRN Electronic Journal, 0, , .	0.4	0
52	Ecotoxicological Effects of Sediment-Associated Polystyrene Nanoplastics and Cadmium on the Freshwater Snail Bellamya Aeruginosa. SSRN Electronic Journal, 0, , .	0.4	0
53	Polystyrene Microspheres Increase Pb Bioaccumulation and Health Damage in the Chinese Mitten Crab Eriocheir Sinensis. SSRN Electronic Journal, 0, , .	0.4	0
54	Anthropogenically impacted lake catchments in Denmark reveal low microplastic pollution. Environmental Science and Pollution Research, 2022, 29, 47726-47739.	2.7	8

#	Article	IF	Citations
55	Microplastic Extraction from the Sediment Using Potassium Formate Water Solution (H2O/KCOOH). Minerals (Basel, Switzerland), 2022, 12, 269.	0.8	1
56	Characteristics and distribution of microplastics in shoreline sediments of the Yangtze River, main tributaries and lakes in Chinaâ€"From upper reaches to the estuary. Environmental Science and Pollution Research, 2022, 29, 48453-48464.	2.7	8
57	Occurrence and Quantification of Natural and Microplastic Items in Urban Streams: The Case of Mugnone Creek (Florence, Italy). Toxics, 2022, 10, 159.	1.6	12
58	Effects of Polyester Fibers and Car Tire Particles on Freshwater Invertebrates. Environmental Toxicology and Chemistry, 2022, 41, 1555-1567.	2.2	11
59	Micro(Nano)plastic analysis: a green and sustainable perspective. Journal of Hazardous Materials Advances, 2022, 6, 100058.	1.2	5
60	Quality assessment for methodological aspects of microplastics analysis in soil. Trends in Environmental Analytical Chemistry, 2022, 34, e00159.	5.3	4
61	Food availability is crucial for effects of 1-Î¼m polystyrene beads on the nematode Caenorhabditis elegans in freshwater sediments. Chemosphere, 2022, 298, 134101.	4.2	11
62	Chronic toxicity effects of sediment-associated polystyrene nanoplastics alone and in combination with cadmium on a keystone benthic species Bellamya aeruginosa. Journal of Hazardous Materials, 2022, 433, 128800.	6.5	17
63	Color preferences and gastrointestinal-tract retention times of microplastics by freshwater and marine fishes. Environmental Pollution, 2022, 304, 119253.	3.7	42
64	Comparative analysis of microplastic organization and pollution risk before and after thawing in an urban river in Beijing, China. Science of the Total Environment, 2022, 828, 154268.	3.9	10
65	Microplastics in the environment: Recent developments in characteristic, occurrence, identification and ecological risk. Chemosphere, 2022, 298, 134161.	4.2	38
66	Polystyrene microplastics increase Pb bioaccumulation and health damage in the Chinese mitten crab Eriocheir sinensis. Science of the Total Environment, 2022, 829, 154586.	3.9	34
67	Abundance, characteristics, and distribution of microplastics in the Xiangjiang river, China. Gondwana Research, 2022, 107, 123-133.	3.0	39
68	Microplastic pollution in oyster bed ecosystems: An assessment of the northern shores of the United Arab Emirates. Environmental Advances, 2022, 8, 100214.	2.2	10
69	Microplastic characteristic in the soil across the Tibetan Plateau. Science of the Total Environment, 2022, 828, 154518.	3.9	50
70	Microplastic pollution in water, sediments and commercial fish species from CiÃ©naga Grande de Santa Marta lagoon complex, Colombian Caribbean. Science of the Total Environment, 2022, 829, 154643.	3.9	25
71	Microplastics in Terrestrial Soils: Occurrence, Analysis, and Remediation. Energy, Environment, and Sustainability, 2022, , 67-80.	0.6	1
72	Ã°leri atÄ±ksu arÄ±tma metotlarÄ±nÄ±n mikroplastik giderim veriminin incelenmesi. Journal of Anatolian Environmental and Animal Sciences, 0, , .	0.2	0

#	Article	IF	Citations
73	A Meta-Analysis of the Characterisations of Plastic Ingested by Fish Globally. Toxics, 2022, 10, 186.	1.6	19
74	SPATIALâ€“TEMPORAL DISTRIBUTION OF MICROPLASTICS IN LOWLAND RIVERS FLOWING THROUGH TWO CITIES (NE POLAND). Water, Air, and Soil Pollution, 2022, 233, 1.	1.1	7
75	Fibrous and filmy microplastics exert opposite effects on the mobility of nanoplastics in saturated porous media. Journal of Hazardous Materials, 2022, 434, 128912.	6.5	2
76	Distribution of microplastics in benthic sediments of Qinghai Lake on the Tibetan Plateau, China. Science of the Total Environment, 2022, 835, 155434.	3.9	19
77	Long-range transport of atmospheric microplastics deposited onto glacier in southeast Tibetan Plateau. Environmental Pollution, 2022, 306, 119415.	3.7	24
78	Integrated effects of polymer type, size and shape on the sinking dynamics of biofouled microplastics. Water Research, 2022, 220, 118656.	5.3	20
79	Toxic effects of polystyrene nanoplastics and polybrominated diphenyl ethers to zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	19
81	Selective enrichment of antibiotic resistome and bacterial pathogens by aquatic microplastics. Journal of Hazardous Materials Advances, 2022, 7, 100106.	1.2	7
82	Critical effect of biodegradation on long-term microplastic weathering in sediment environments: A systematic review. Journal of Hazardous Materials, 2022, 437, 129287.	6.5	31
83	Effects of cascade dams on the occurrence and distribution of microplastics in surface sediments of Wujiang river basin, Southwestern China. Ecotoxicology and Environmental Safety, 2022, 240, 113715.	2.9	10
84	Transgenerational effects of polyethylene microplastic fragments containing benzophenone-3 additive in Daphnia magna. Journal of Hazardous Materials, 2022, 436, 129225.	6.5	18
85	Joint effects of microplastics and ciprofloxacin on their toxicity and fates in wheat: A hydroponic study. Chemosphere, 2022, 303, 135023.	4.2	12
86	Interaction between nanoplastics and pectin, a water-soluble polysaccharide, in the presence of Fe(III) ion. Journal of Environmental Chemical Engineering, 2022, 10, 108054.	3.3	6
87	Flotation and separation of microplastics from the eye-glass polishing wastewater using sec-octyl alcohol and diesel oil. Chemical Engineering Research and Design, 2022, 164, 291-298.	2.7	2
88	Polystyrene microplastics induced male reproductive toxicity and transgenerational effects in freshwater prawn. Science of the Total Environment, 2022, 842, 156820.	3.9	21
89	Ingestion of Microplastics and Textile Cellulose Particles by Some Meiofaunal Taxa of an Urban Stream. SSRN Electronic Journal, 0, , .	0.4	0
90	Concentration, distribution, and characteristics of microplastic in estuary, coast and marine organisms in Indonesia: A Preliminary Review. Akuatikisle: Jurnal Akuakultur, Pesisir Dan Pulau-Pulau Kecil, 2022, 6, 57-64.	0.2	1
91	Microplastics detected in cirrhotic liver tissue. EBioMedicine, 2022, 82, 104147.	2.7	124

#	Article	IF	Citations
92	Assessment of microplastics in Irish river sediment. Heliyon, 2022, 8, e09853.	1.4	7
93	Interactive effect of urbanization and flood in modulating microplastic pollution in rivers. Environmental Pollution, 2022, 309, 119760.	3.7	20
94	Addition of polyvinyl pyrrolidone during density separation with sodium iodide solution improves recovery rate of small microplastics (20â€“150ÂÎ¼m) from soils and sediments. Chemosphere, 2022, 307, 135730.	4.2	10
95	Risk associated with microplastics in urban aquatic environments: A critical review. Journal of Hazardous Materials, 2022, 439, 129587.	6.5	16
96	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.	3.9	20
97	Microplastic contamination in soil agro-ecosystems: A review. Environmental Advances, 2022, 9, 100273.	2.2	8
98	Materials challenges and opportunities to address growing micro/nanoplastics pollution: a review of thermochemical upcycling. Materials Today Sustainability, 2022, 20, 100200.	1.9	6
99	Competition adsorption of malachite green and rhodamine B on polyethylene and polyvinyl chloride microplastics in aqueous environment. Water Science and Technology, 2022, 86, 894-908.	1.2	5
100	Effect of polystyrene nanoplastics on cell apoptosis, glucose metabolism, and antibacterial immunity of Eriocheir sinensis. Environmental Pollution, 2022, 311, 119960.	3.7	14
101	The human connection: First evidence of microplastics in remote high mountain lakes of Sierra Nevada, Spain. Environmental Pollution, 2022, 311, 119922.	3.7	12
102	Variation of microplastics in the shore sediment of high-altitude lakes of the Indian Himalaya using different pretreatment methods. Science of the Total Environment, 2022, 849, 157870.	3.9	20
103	Algal degradation of microplastic from the environment: Mechanism, challenges, and future prospects. Algal Research, 2022, 67, 102848.	2.4	13
104	Environmental impact and mitigation of micro(nano)plastics pollution using green catalytic tools and green analytical methods. , 2022, 3, 100031.		12
105	Contribution to Microplastic Identification and Quantification in Marine Sediments Facing a River Mouth Through Nmr Spectroscopy. SSRN Electronic Journal, 0, , .	0.4	0
106	Microplastics in freshwater ecosystem: A serious threat for freshwater environment. International Journal of Environmental Science and Technology, 2023, 20, 9189-9204.	1.8	2
107	ï»¿The first evidence of microplastics in plant-formed fresh-water micro-ecosystems: Dipsacus teasel phytotelmata in Slovakia contaminated with MPs. BioRisk, 0, 18, 133-143.	0.2	6
108	Ingestion and impacts of water-borne polypropylene microplastics on Daphnia similis. Environmental Science and Pollution Research, 2023, 30, 13483-13494.	2.7	13
109	Microplastics in Namibian river sediments â€“ a first evaluation. Microplastics and Nanoplastics, 2022, 2, .	4.1	10

#	Article	IF	Citations
110	Networking and co-occurrence of virulent and multidrug resistant environmental bacteria in different aquatic systems: A gap in MDR-virulence transfer?. Science of the Total Environment, 2023, 857, 159221.	3.9	1
111	Vertical distribution, accumulation, and characteristics of microplastics in mangrove sediment in China. Science of the Total Environment, 2023, 856, 159256.	3.9	9
112	Caddisfly Larvae are a Driver of Plastic Litter Breakdown and Microplastic Formation in Freshwater Environments. Environmental Toxicology and Chemistry, 2022, 41, 3058-3069.	2.2	4
113	The sustainable management of microplastics pollution in sediments from China: Promulgating relevant laws and implementing targeted management. Science of the Total Environment, 2023, 856, 159262.	3.9	8
114	Incipient Motion of Exposed Microplastics in an Open-Channel Flow. Environmental Science & Technology, 2022, 56, 14498-14506.	4.6	9
115	Seasonality can override the effects of anthropogenic activities on microplastic presence in invertebrate deposit feeders in an urban river system. Journal of Hazardous Materials, 2023, 443, 130272.	6.5	3
116	Determination of microplastics in pond water. Materials Today: Proceedings, 2023, 77, 91-98.	0.9	6
117	Atmospheric micro (nano) plastics: future growing concerns for human health. Air Quality, Atmosphere and Health, 2023, 16, 233-262.	1.5	28
118	A New Optical Method for Quantitative Detection of Microplastics in Water Based on Real-Time Fluorescence Analysis. Water (Switzerland), 2022, 14, 3235.	1.2	7
119	Microplastic Accumulation in Crayfish Astacus leptodactylus (Eschscholtz 1823) and Sediments of Durusu (Terkos) Lake (Turkey). Water, Air, and Soil Pollution, 2022, 233, .	1.1	4
120	The Chubut River estuary as a source of microplastics and other anthropogenic particles into the Southwestern Atlantic Ocean. Marine Pollution Bulletin, 2022, 185, 114267.	2.3	6
121	Detection, characterization and possible biofragmentation of synthetic microfibers released from domestic laundering wastewater as an emerging source of marine pollution. Marine Pollution Bulletin, 2022, 185, 114254.	2.3	23
122	A systematic review on microplastic pollution in water, sediments, and organisms from 50 coastal lagoons across the globe. Environmental Pollution, 2022, 315, 120366.	3.7	24
123	Emerging contaminants related to plastic and microplastic pollution. , 2023, , 270-280.		0
124	Neuro- and hepato-toxicity of polystyrene nanoplastics and polybrominated diphenyl ethers on early life stages of zebrafish. Science of the Total Environment, 2023, 857, 159567.	3.9	20
125	Ingestion of microplastics and textile cellulose particles by some meiofaunal taxa of an urban stream. Chemosphere, 2023, 310, 136830.	4.2	3
126	The use of microplastics as a reliable chronological marker of the Anthropocene onset in Southeastern South America. Science of the Total Environment, 2023, 857, 159633.	3.9	6
127	Extensive abundances and characteristics of microplastic pollution in the karst hyporheic zones of urban rivers. Science of the Total Environment, 2023, 857, 159616.	3.9	12

#	Article	IF	Citations
128	Microplastic materials in the environment: Problem and strategical solutions. Progress in Materials Science, 2023, 132, 101035.	16.0	44
129	Screening of polymer types and chemical weathering in macro- and meso-plastics found on lake and river beaches using a combined chemometric approach. Analytical Methods, 2022, 14, 4977-4989.	1.3	2
130	Microplastic pollution in small rivers along ruralâ€“urban gradients: Variations across catchments and between water column and sediments. Science of the Total Environment, 2023, 858, 160043.	3.9	17
131	Microplastics existence affected heavy metal affinity to ferrihydrite as a representative sediment mineral. Science of the Total Environment, 2023, 859, 160227.	3.9	9
132	Investigation of microplastic contamination in the sediments of Noyyal River- Southern India. Journal of Hazardous Materials Advances, 2022, 8, 100198.	1.2	6
133	Biofilm formation strongly influences the vector transport of triclosan-loaded polyethylene microplastics. Science of the Total Environment, 2023, 859, 160231.	3.9	9
134	A reference methodology for microplastic particle size distribution analysis: sampling, filtration and detection by optical microscopy and image processing. , 0, , .		1
135	Microsynthetics in waters of the South American Pantanal. Frontiers in Environmental Science, 0, 10, .	1.5	1
136	Ecotoxicology of microplastics in Daphnia: A review focusing on microplastic properties and multiscale attributes of Daphnia. Ecotoxicology and Environmental Safety, 2023, 249, 114433.	2.9	27
137	Advances and prospects of carbon dots for microplastic analysis. Chemosphere, 2023, 313, 137433.	4.2	11
138	The pollution of microplastics in sediments: The ecological risk assessment and pollution source analysis. Science of the Total Environment, 2023, 859, 160323.	3.9	18
139	Microplastics in the riverine environment: Meta-analysis and quality criteria for developing robust field sampling procedures. Science of the Total Environment, 2023, 863, 160893.	3.9	7
140	Wastewater Treatment Plants as a Point Source of Plastic Pollution. Water, Air, and Soil Pollution, 2022, 233, .	1.1	4
141	Distribution and changes in microplastics in Taihu Lake and cyanobacterial blooms formed by the aggregation of Microcystis colonies. Environmental Science and Pollution Research, 2023, 30, 107331-107340.	2.7	3
142	Assessment of pollution and risks associated with microplastics in the riverine sediments of the Western Ghats: a heritage site in southern India. Environmental Science and Pollution Research, 2023, 30, 32301-32319.	2.7	13
144	Microplastics in Freshwater: A Focus on the Russian Inland Waters. Water (Switzerland), 2022, 14, 3909.	1.2	6
147	Microplastics pollution in freshwater sediments: The pollution status assessment and sustainable management measures. Chemosphere, 2023, 314, 137727.	4.2	6
148	Microplastics extraction from wastewater treatment plants: Two-step digestion pre-treatment and application. Water Research, 2023, 230, 119569.	5.3	5

#	Article	IF	Citations
149	Realistic environmental exposure to secondary PET microplastics induces biochemical responses in freshwater amphipod Hyalella azteca. Chemistry and Ecology, 2023, 39, 288-301.	0.6	2
150	Think positive: Proposal of a simple method to create reference materials in the frame of microplastics research. MethodsX, 2023, 10, 102030.	0.7	5
151	Microplastic concentrations in river water and bed sediments in a tropical river: implications for water quality monitoring. Environmental Monitoring and Assessment, 2023, 195, .	1.3	3
152	Diversity, abundance and distribution characteristics of potential polyethylene and polypropylene microplastic degradation bacterial communities in the urban river. Water Research, 2023, 232, 119704.	5.3	16
154	Polystyrene microplastics induce myocardial inflammation and cell death via the TLR4/NF-Î²B pathway in carp. Fish and Shellfish Immunology, 2023, 135, 108690.	1.6	17
155	Microplastic pollution in the Himalayas: Occurrence, distribution, accumulation and environmental impacts. Science of the Total Environment, 2023, 874, 162495.	3.9	17
156	Identification of factors influencing the microplastic distribution in agricultural soil on Hainan Island. Science of the Total Environment, 2023, 874, 162426.	3.9	15
157	A framework for systematic microplastic ecological risk assessment at a national scale. Environmental Pollution, 2023, 327, 121631.	3.7	16
158	Microplastics in coastal blue carbon ecosystems: A global Meta-analysis of its distribution, driving mechanisms, and potential risks. Science of the Total Environment, 2023, 878, 163048.	3.9	8
159	Identification of potentially contaminated areas of soil microplastic based on machine learning: A case study in Taihu Lake region, China. Science of the Total Environment, 2023, 877, 162891.	3.9	3
160	Combined effect of microplastic and triphenyltin: Insights from the gut-brain axis. Environmental Science and Ecotechnology, 2023, 16, 100266.	6.7	4
161	Microplastics in municipal wastewater treatment plants: a case study of Denizli/Turkey. Frontiers of Environmental Science and Engineering, 2023, 17, .	3.3	8
162	Occurrenceand characteristics of microplastics in benthic species from mangrove wetlands of Hainan, South China. Frontiers in Marine Science, 0, 10, .	1.2	0
163	Effects of organic matter on the aggregation of anthropogenic microplastic particles in turbulent environments. Water Research, 2023, 232, 119706.	5.3	3
165	No Effect of Realistic Microplastic Exposure on Growth and Development of Wild-caught Culex (Diptera: Culicidae) Mosquitoes. Journal of Medical Entomology, 2023, 60, 604-607.	0.9	4
166	Higher concentrations of microplastics in runoff from biosolid-amended croplands than manure-amended croplands. Communications Earth & Environment, 2023, 4, .	2.6	10
167	Seasonal variation observed in microplastic deposition rates in boreal lake sediments. Journal of Soils and Sediments, 2023, 23, 1960-1970.	1.5	2
168	Membrane and filtration processes for microplastic removal. , 2023, , 203-220.		0

#	Article	IF	Citations
169	Microplastics in water systems: A review of their impacts on the environment and their potential hazards. Heliyon, 2023, 9, e14359.	1.4	25
170	Organic Pollutants Associated with Plastic Debris in Marine Environment: A Systematic Review of Analytical Methods, Occurrence, and Characteristics. International Journal of Environmental Research and Public Health, 2023, 20, 4892.	1.2	1
171	Research status and prospects of microplastic pollution in lakes. Environmental Monitoring and Assessment, 2023, 195, .	1.3	1
172	Ingestion of polystyrene microparticles impairs survival and defecation in larvae of Polistes satan (Hymenoptera: Vespidae). Environmental Science and Pollution Research, 2023, 30, 58527-58535.	2.7	3
173	Microplastics in sediments of the river Rhineâ€"A workflow for preparation and analysis of sediment samples from aquatic river systems for monitoring purposes. , 2024, 3, .		0
182	Preservation, storage, and sample preparation methods for freshwater microplastics â€“ a comprehensive review. Environmental Science Advances, 0, , .	1.0	0
191	Microplastic Pollution in the Qinghaiâ€"Tibet Plateau: Current State and Future Perspectives. Reviews of Environmental Contamination and Toxicology, 2023, 261, .	0.7	0
209	Ecotoxicity Assessment of Biodegradable Plastics in Marine Environments. , 2023, , 135-152.		0
226	Microplastics in River Sediments Around the Dhaka City: A Case Study for Occurrence and Quantification. Lecture Notes in Civil Engineering, 2024, , 101-114.	0.3	0