

Microplastics in the marine environment

Marine Pollution Bulletin

62, 1596-1605

DOI: [10.1016/j.marpolbul.2011.05.030](https://doi.org/10.1016/j.marpolbul.2011.05.030)

Citation Report

#	ARTICLE	IF	CITATIONS
4	Microplastics as contaminants in the marine environment: A review. <i>Marine Pollution Bulletin</i> , 2011, 62, 2588-2597.	2.3	3,896
5	Origin, dynamics and evolution of ocean garbage patches from observed surface drifters. <i>Environmental Research Letters</i> , 2012, 7, 044040.	2.2	380
7	Plastics in the Marine Environment: The Dark Side of a Modern Gift. <i>Reviews of Environmental Contamination and Toxicology</i> , 2012, 220, 1-44.	0.7	174
8	Organic photovoltaics: Potential fate and effects in the environment. <i>Environment International</i> , 2012, 49, 128-140.	4.8	42
9	On the compressibility of surface currents in the Gulf of Finland, the Baltic Sea. , 2012, , .		5
10	Uptake and Effects of Microplastics on Cells and Tissue of the Blue Mussel <i>Mytilus edulis</i> L. after an Experimental Exposure. <i>Environmental Science & Technology</i> , 2012, 46, 11327-11335.	4.6	1,271
11	Boring crustaceans damage polystyrene floats under docks polluting marine waters with microplastic. <i>Marine Pollution Bulletin</i> , 2012, 64, 1821-1828.	2.3	82
12	Effects of nanopolystyrene on the feeding behavior of the blue mussel (<i>Mytilus edulis</i> L.). <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 2490-2497.	2.2	435
13	The effect of wind mixing on the vertical distribution of buoyant plastic debris. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	487
14	Surface properties of beached plastic pellets. <i>Marine Environmental Research</i> , 2012, 81, 70-77.	1.1	255
15	Microplastics in the Marine Environment: A Review of the Methods Used for Identification and Quantification. <i>Environmental Science & Technology</i> , 2012, 46, 3060-3075.	4.6	3,396
16	Competitive sorption of persistent organic pollutants onto microplastics in the marine environment. <i>Marine Pollution Bulletin</i> , 2012, 64, 2782-2789.	2.3	412
17	The Complex Interaction between Marine Debris and Toxic Chemicals in the Ocean. <i>Environmental Science & Technology</i> , 2012, 46, 12302-12315.	4.6	595
18	Laboratory Test Methods to Determine the Degradation of Plastics in Marine Environmental Conditions. <i>Frontiers in Microbiology</i> , 2012, 3, 225.	1.5	147
19	Microplastics in Beaches of the East Frisian Islands Spiekeroog and Kachelotplate. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 213-217.	1.3	293
20	Linking social drivers of marine debris with actual marine debris on beaches. <i>Marine Pollution Bulletin</i> , 2012, 64, 1580-1588.	2.3	104
21	The applicability of reflectance micro-Fourier-transform infrared spectroscopy for the detection of synthetic microplastics in marine sediments. <i>Science of the Total Environment</i> , 2012, 416, 455-463.	3.9	265
22	Isolation and characterization of marine bacteria capable of utilizing phthalate. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1321-1325.	1.7	35

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23	The physical impacts of microplastics on marine organisms: A review. <i>Environmental Pollution</i> , 2013, 178, 483-492.	3.7	2,920
24	Distribution of small plastic debris in cross-section and high strandline on Heungnam beach, South Korea. <i>Ocean Science Journal</i> , 2013, 48, 225-233.	0.6	169
25	Plastic litter accumulation on high-water strandline of urban beaches in Mumbai, India. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 7709-7719.	1.3	74
26	Size-Dependent Effects of Micro Polystyrene Particles in the Marine Copepod <i>Tigriopus japonicus</i> . <i>Environmental Science & Technology</i> , 2013, 47, 11278-11283.	4.6	719
27	New techniques for the detection of microplastics in sediments and field collected organisms. <i>Marine Pollution Bulletin</i> , 2013, 70, 227-233.	2.3	726
28	Polybrominated Diphenyl Ether (PBDE) Accumulation by Earthworms (<i>Eisenia fetida</i>) Exposed to Biosolids-, Polyurethane Foam Microparticle-, and Penta-BDE-Amended Soils. <i>Environmental Science & Technology</i> , 2013, 47, 13831-13839.	4.6	140
29	The plastic-associated microorganisms of the North Pacific Gyre. <i>Marine Pollution Bulletin</i> , 2013, 75, 126-132.	2.3	264
30	Resin pellets from beaches of the Portuguese coast and adsorbed persistent organic pollutants. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 130, 62-69.	0.9	258
31	Relationships among the abundances of plastic debris in different size classes on beaches in South Korea. <i>Marine Pollution Bulletin</i> , 2013, 77, 349-354.	2.3	324
32	Microplastic pollution in deep-sea sediments. <i>Environmental Pollution</i> , 2013, 182, 495-499.	3.7	1,147
33	Plastic Degradation and Its Environmental Implications with Special Reference to Poly(ethylene) Terephthalate. <i>Overlock</i> , 2010, 10, 50-54.	2.0	587
34	Identification of polymer types and additives in marine microplastic particles using pyrolysis-GC/MS and scanning electron microscopy. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1949.	1.7	563
35	Environmental fate of processed natural rubber latex. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1359.	1.7	13
36	Do natural rubber latex condoms pose a risk to aquatic systems?. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 2312.	1.7	7
37	Effects of Microplastic on Fitness and PCB Bioaccumulation by the Lugworm <i>Arenicola marina</i> (L.). <i>Environmental Science & Technology</i> , 2013, 47, 593-600.	4.6	797
38	Long-Term Field Measurement of Sorption of Organic Contaminants to Five Types of Plastic Pellets: Implications for Plastic Marine Debris. <i>Environmental Science & Technology</i> , 2013, 47, 130109073312009.	4.6	256
39	Quantitative analysis of plastic debris on recreational beaches in Mumbai, India. <i>Marine Pollution Bulletin</i> , 2013, 77, 107-112.	2.3	222
40	Single and combined effects of microplastics and pyrene on juveniles (0+ group) of the common goby <i>Pomatoschistus microps</i> (Teleostei, Gobiidae). <i>Ecological Indicators</i> , 2013, 34, 641-647.	2.6	539

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41	Distribution and abundance of small plastic debris on beaches in the SE Pacific (Chile): A study supported by a citizen science project. <i>Marine Environmental Research</i> , 2013, 87-88, 12-18.	1.1	316
42	Microplastic particles in sediments of Lagoon of Venice, Italy: First observations on occurrence, spatial patterns and identification. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 130, 54-61.	0.9	801
43	Desorption kinetics of hydrophobic organic contaminants from marine plastic pellets. <i>Marine Pollution Bulletin</i> , 2013, 74, 125-131.	2.3	131
44	Assessment of marine debris on the Belgian Continental Shelf. <i>Marine Pollution Bulletin</i> , 2013, 73, 161-169.	2.3	163
45	Pelagic microplastics around an archipelago of the Equatorial Atlantic. <i>Marine Pollution Bulletin</i> , 2013, 75, 305-309.	2.3	144
46	Origin and abundance of marine litter along sandy beaches of the Turkish Western Black Sea Coast. <i>Marine Environmental Research</i> , 2013, 85, 21-28.	1.1	180
47	Ingestion of plastic marine debris by longnose lancetfish (<i>Alepisaurus ferox</i>) in the North Pacific Ocean. <i>Marine Pollution Bulletin</i> , 2013, 69, 97-104.	2.3	74
48	Anthropogenic marine debris in the coastal environment: A multi-year comparison between coastal waters and local shores. <i>Marine Pollution Bulletin</i> , 2013, 71, 307-316.	2.3	268
49	Marine bacteria: potential candidates for enhanced bioremediation. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 561-571.	1.7	213
50	Natural weather, soil burial and sea water ageing of low-density polyethylene: Effect of starch/linear low-density polyethylene masterbatch. <i>Journal of Applied Polymer Science</i> , 2013, 129, 449-457.	1.3	11
51	Bioplastics science from a policy vantage point. <i>New Biotechnology</i> , 2013, 30, 635-646.	2.4	106
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53	Microplastic debris in sandhoppers. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 129, 19-22.	0.9	100
54	Life in the "Plastisphere": Microbial Communities on Plastic Marine Debris. <i>Environmental Science & Technology</i> , 2013, 47, 7137-7146.	4.6	2,017
55	Plastic in North Sea Fish. <i>Environmental Science & Technology</i> , 2013, 47, 8818-8824.	4.6	738
56	Ingested plastic transfers hazardous chemicals to fish and induces hepatic stress. <i>Scientific Reports</i> , 2013, 3, 3263.	1.6	1,266
57	Reviewing evidence of marine ecosystem change off South Africa. <i>African Journal of Marine Science</i> , 2013, 35, 427-448.	0.4	36
58	Coral Reefs of the United Kingdom Overseas Territories. <i>Coral Reefs of the World</i> , 2013, , .	0.3	14

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60	Open-coast sandy beaches and coastal dunes. , 2014, , 37-94.		18
61	Modelled transport of benthic marine microplastic pollution in the NazarÃ© Canyon. Biogeosciences, 2013, 10, 7957-7970.	1.3	152
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69	Palaeontological evidence for defining the Anthropocene. Geological Society Special Publication, 2014, 395, 149-165.	0.8	43
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71	Plastic debris in the open ocean. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10239-10244.	3.3	2,157
72	Nanoplastic Affects Growth of <i>S. obliquus</i> and Reproduction of <i>D. magna</i> . Environmental Science & Technology, 2014, 48, 12336-12343.	4.6	868
73	Accumulation and Embryotoxicity of Polystyrene Nanoparticles at Early Stage of Development of Sea Urchin Embryos <i>Paracentrotus lividus</i> . Environmental Science & Technology, 2014, 48, 12302-12311.	4.6	509
74	Selective transport of microplastics and mesoplastics by drifting in coastal waters. Marine Pollution Bulletin, 2014, 89, 324-330.	2.3	326
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79	Amount and type of derelict gear from the declining black pearl oyster aquaculture in Ahe atoll lagoon, French Polynesia. <i>Marine Pollution Bulletin</i> , 2014, 83, 224-230.	2.3	36
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81	Protected areas in the Atlantic facing the hazards of micro-plastic pollution: First diagnosis of three islands in the Canary Current. <i>Marine Pollution Bulletin</i> , 2014, 80, 302-311.	2.3	126
82	Isolation and molecular characterization of polyvinyl chloride (PVC) plastic degrading fungal isolates. <i>Journal of Basic Microbiology</i> , 2014, 54, 18-27.	1.8	122
83	A review of strategies to monitor water and sediment quality for a sustainability assessment of marine environment. <i>Environmental Science and Pollution Research</i> , 2014, 21, 813-833.	2.7	77
84	Evidence of microplastics in samples of zooplankton from Portuguese coastal waters. <i>Marine Environmental Research</i> , 2014, 95, 89-95.	1.1	356
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86	Sperm whales, <i>Physeter macrocephalus</i> , in the Mediterranean Sea: a summary of status, threats, and conservation recommendations. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2014, 24, 4-10.	0.9	34
87	Securing blue wealth: The need for a special sustainable development goal for the ocean and coasts. <i>Marine Policy</i> , 2014, 48, 184-191.	1.5	93
88	Amount and distribution of neustonic micro-plastic off the western Sardinian coast (Central-Western Mediterranean Sea). <i>Marine Environmental Research</i> , 2014, 100, 10-16.	1.1	189
89	Tropical Marginal Seas: Priority Regions for Managing Marine Biodiversity and Ecosystem Function. <i>Annual Review of Marine Science</i> , 2014, 6, 415-437.	5.1	14
90	Evaluating the impacts of marine debris on cetaceans. <i>Marine Pollution Bulletin</i> , 2014, 80, 210-221.	2.3	228
91	Reversible polymer networks containing covalent and hydrogen bonding interactions. <i>European Polymer Journal</i> , 2014, 50, 127-134.	2.6	53
92	A new analytical approach for monitoring microplastics in marine sediments. <i>Environmental Pollution</i> , 2014, 184, 161-169.	3.7	998
93	Occurrence and spatial distribution of microplastics in sediments from Norderney. <i>Environmental Pollution</i> , 2014, 186, 248-256.	3.7	469
94	Ingestion and transfer of microplastics in the planktonic food web. <i>Environmental Pollution</i> , 2014, 185, 77-83.	3.7	1,187
95	Widespread distribution of microplastics in subsurface seawater in the NE Pacific Ocean. <i>Marine Pollution Bulletin</i> , 2014, 79, 94-99.	2.3	736

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98	The present and future of microplastic pollution in the marine environment. <i>Environmental Pollution</i> , 2014, 185, 352-364.	3.7	1,158
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102	Fate of Microplastics in the Marine Isopod <i>Idotea emarginata</i> . <i>Environmental Science & Technology</i> , 2014, 48, 13451-13458.	4.6	240
103	Macrodebris and microplastics from beaches in Slovenia. <i>Marine Pollution Bulletin</i> , 2014, 89, 356-366.	2.3	339
104	Assessment of floating plastic debris in surface water along the Seine River. <i>Environmental Pollution</i> , 2014, 195, 163-166.	3.7	207
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114	Relationship of diversity and habitat area in North Pacific plastic-associated rafting communities. <i>Marine Biology</i> , 2014, 161, 1441-1453.	0.7	157

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116	Microplastic pollution in the Northeast Atlantic Ocean: Validated and opportunistic sampling. <i>Marine Pollution Bulletin</i> , 2014, 88, 325-333.	2.3	512
117	Suspended microplastics in the surface water of the Yangtze Estuary System, China: First observations on occurrence, distribution. <i>Marine Pollution Bulletin</i> , 2014, 86, 562-568.	2.3	760
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123	On the finite-time compressibility of the surface currents in the Gulf of Finland, the Baltic Sea. <i>Journal of Marine Systems</i> , 2014, 129, 56-65.	0.9	21
124	Ingestion and defecation of marine debris by loggerhead sea turtles, <i>Caretta caretta</i> , from by-catches in the South-West Indian Ocean. <i>Marine Pollution Bulletin</i> , 2014, 84, 90-96.	2.3	109
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127	Natural Degradation and Biodegradation of Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate) in Liquid and Solid Marine Environments. <i>Journal of Polymers and the Environment</i> , 2015, 23, 493-505.	2.4	75
128	Passive buoyant tracers in the ocean surface boundary layer: 2. Observations and simulations of microplastic marine debris. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7559-7573.	1.0	60
129	Anthropogenic debris in seafood: Plastic debris and fibers from textiles in fish and bivalves sold for human consumption. <i>Scientific Reports</i> , 2015, 5, 14340.	1.6	978
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134	SeaCleaner: Focusing Citizen Science and Environment Education on Unraveling the Marine Litter Problem. <i>Marine Technology Society Journal</i> , 2015, 49, 99-118.	0.3	19
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137	Does size and buoyancy affect the long-distance transport of floating debris?. <i>Environmental Research Letters</i> , 2015, 10, 084019.	2.2	183
138	Responses of <i>Hyalella azteca</i> to acute and chronic microplastic exposures. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2564-2572.	2.2	452
139	Plastic Degrading Microorganisms as a Tool for Bioremediation of Plastic Contamination in Aquatic Environments. <i>Journal of Pollution Effects & Control</i> , 2015, 03, .	0.1	53
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149	The discharge of certain amounts of industrial microplastic from a production plant into the River Danube is permitted by the Austrian legislation. <i>Environmental Pollution</i> , 2015, 200, 159-160.	3.7	175
150	Thinking without the "circle": Marine plastic and global ethics. <i>Political Geography</i> , 2015, 47, 77-85.	1.3	17
151	Citizen-Based Litter and Marine Debris Data Collection and Mapping. <i>Computing in Science and Engineering</i> , 2015, 17, 20-26.	1.2	60

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153	MARTINI Coarse-Grained Models of Polyethylene and Polypropylene. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8209-8216.	1.2	82
154	Ingested microplastics (>100µm) are translocated to organs of the tropical fiddler crab <i>Uca rapax</i> . <i>Marine Pollution Bulletin</i> , 2015, 96, 491-495.	2.3	202
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156	East Asian seas: A hot spot of pelagic microplastics. <i>Marine Pollution Bulletin</i> , 2015, 101, 618-623.	2.3	335
157	Ingestion of Plastic Microfibers by the Crab <i>Carcinus maenas</i> and Its Effect on Food Consumption and Energy Balance. <i>Environmental Science & Technology</i> , 2015, 49, 14597-14604.	4.6	404
158	Backwash process of marine macroplastics from a beach by nearshore currents around a submerged breakwater. <i>Marine Pollution Bulletin</i> , 2015, 101, 539-548.	2.3	25
159	Bacterial polyhydroxyalkanoates-eco-friendly next generation plastic: Production, biocompatibility, biodegradation, physical properties and applications. <i>Green Chemistry Letters and Reviews</i> , 2015, 8, 56-77.	2.1	250
160	Focal plane array detector-based micro-Fourier-transform infrared imaging for the analysis of microplastics in environmental samples. <i>Environmental Chemistry</i> , 2015, 12, 563.	0.7	414
161	Spatial pattern and weight of seabed marine litter in the northern and central Adriatic Sea. <i>Marine Pollution Bulletin</i> , 2015, 91, 120-127.	2.3	98
162	Evaluation of beach cleanup effects using linear system analysis. <i>Marine Pollution Bulletin</i> , 2015, 91, 73-81.	2.3	28
163	Microplastics in freshwater systems: A review of the emerging threats, identification of knowledge gaps and prioritisation of research needs. <i>Water Research</i> , 2015, 75, 63-82.	5.3	1,836
164	The impact of debris on marine life. <i>Marine Pollution Bulletin</i> , 2015, 92, 170-179.	2.3	1,415
165	Microplastics: addressing ecological risk through lessons learned. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 945-953.	2.2	244
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#	ARTICLE	IF	CITATIONS
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321	Evaluation of microplastics in Jurujuba Cove, Niterói, RJ, Brazil, an area of mussels farming. <i>Marine Pollution Bulletin</i> , 2016, 110, 555-558.	2.3	88
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337	Synthetic fibers in atmospheric fallout: A source of microplastics in the environment?. <i>Marine Pollution Bulletin</i> , 2016, 104, 290-293.	2.3	1,310
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#	ARTICLE	IF	CITATIONS
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1000	First discoveries of microplastics in terrestrial snails. <i>Food Control</i> , 2019, 106, 106722.	2.8	86
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1003	Abundance, morphology and chemical composition of microplastics in sand and sediments from a protected coastal area: The Mar Menor lagoon (SE Spain). Environmental Pollution, 2019, 252, 1357-1366.	3.7	99
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1005	Effects of combined exposures of fluoranthene and polyethylene or polyhydroxybutyrate microplastics on oxidative stress biomarkers in the blue mussel (<i>Mytilus edulis</i>). Journal of Toxicology and Environmental Health - Part A: Current Issues, 2019, 82, 616-625.	1.1	103
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#	ARTICLE	IF	CITATIONS
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1030	Microplastics. , 2019, , 11-19.		4
1031	Plastic Waste Disposal and Reuse of Plastic Waste. , 2019, , 21-30.		14
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1059	The Plastisphere – Uncovering tightly attached plastic –specific microorganisms. <i>PLoS ONE</i> , 2019, 14, e0215859.	1.1	168
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1087	Microplastics in drinking water treatment – Current knowledge and research needs. <i>Science of the Total Environment</i> , 2019, 667, 730-740.	3.9	263
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1301	Microplastics in Yellow River Delta wetland: Occurrence, characteristics, human influences, and marker. <i>Environmental Pollution</i> , 2020, 258, 113232.	3.7	47
1302	Occurrence, distribution and size relationships of plastic debris along shores and sediment of northern Lake Victoria. <i>Environmental Pollution</i> , 2020, 257, 113442.	3.7	57
1303	Occurrence and characteristics of microplastics in surface road dust in Kusatsu (Japan), Da Nang (Vietnam), and Kathmandu (Nepal). <i>Environmental Pollution</i> , 2020, 256, 113447.	3.7	148
1304	Effect of weathering on environmental behavior of microplastics: Properties, sorption and potential risks. <i>Chemosphere</i> , 2020, 242, 125193.	4.2	402
1305	Wetland soil microplastics are negatively related to vegetation cover and stem density. <i>Environmental Pollution</i> , 2020, 256, 113391.	3.7	149
1306	Plastic debris accumulation in the seabed derived from coastal fish farming. <i>Environmental Pollution</i> , 2020, 257, 113336.	3.7	39
1307	Toxicity comparison of nano-sized and micron-sized microplastics to Goldfish <i>Carassius auratus</i> Larvae. <i>Journal of Hazardous Materials</i> , 2020, 388, 122058.	6.5	160
1308	Greenland Sea Gyre increases microplastic pollution in the surface waters of the Nordic Seas. <i>Science of the Total Environment</i> , 2020, 712, 136484.	3.9	82
1309	Adsorption and Desorption of Steroid Hormones by Microplastics in Seawater. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 730-735.	1.3	35
1310	Identification of micro-plastics in Australian road dust. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103647.	3.3	53
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1313	Distribution and Characterization of Microplastics in Surface Waters and the Southern Caspian Sea Coasts Sediments. <i>Archives of Environmental Contamination and Toxicology</i> , 2020, 78, 86-93.	2.1	41
1314	Changes in the heavy metals and petroleum hydrocarbon contents in seawater and surface sediment in the year following artificial reef construction in the Pearl River Estuary, China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 6009-6021.	2.7	13
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1316	Occurrence and mass loads of biocides in plastic debris from the Pearl River system, South China. <i>Chemosphere</i> , 2020, 246, 125771.	4.2	26
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1319	Analysis of microbeads in cosmetic products in the United Arab Emirates. <i>Environmental Pollution</i> , 2020, 258, 113831.	3.7	49
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1325	Aggregation and stability of nanoscale plastics in aquatic environment. <i>Water Research</i> , 2020, 171, 115401.	5.3	90
1326	Quali-quantitative analysis of plastics and synthetic microfibers found in demersal species from Southern Tyrrhenian Sea (Central Mediterranean). <i>Marine Pollution Bulletin</i> , 2020, 150, 110596.	2.3	71
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1328	A Call for Collaboration among Water Quality and Fisheries Professionals. <i>Fisheries</i> , 2020, 45, 157-162.	0.6	4
1329	Evaluation of microplastics in beach sediments along the coast of Dubai, UAE. <i>Marine Pollution Bulletin</i> , 2020, 150, 110739.	2.3	67

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1336	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.	3.7	47
1337	Effect of nanoplastics on fish health and performance: A review. <i>Marine Pollution Bulletin</i> , 2020, 151, 110791.	2.3	94
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1339	Microplastics and seafood: lower trophic organisms at highest risk of contamination. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110066.	2.9	302
1340	Nanoplastics display strong stability in aqueous environments: Insights from aggregation behaviour and theoretical calculations. <i>Environmental Pollution</i> , 2020, 258, 113760.	3.7	113
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1343	Potential adverse health effects of ingested micro- and nanoplastics on humans. Lessons learned from <i>in vivo</i> and <i>in vitro</i> mammalian models. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2020, 23, 51-68.	2.9	163
1344	Spatial and temporal distribution of marine litter on the seafloor of the Balearic Islands (western) Tj ETQq0 0 0 rgBT_/_Overlock 10 Tf 50 15	0.6	15
1345	Microplastic exposure to zooplankton at tidal fronts in Charleston Harbor, SC USA. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 232, 106510.	0.9	38
1346	A meta-analysis of methodologies adopted by microplastic studies in China. <i>Science of the Total Environment</i> , 2020, 718, 135371.	3.9	54
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1354	A sustainable solution to plastics pollution: An eco-friendly bioplastic film production from high-salt contained <i>Spirulina</i> sp. residues. <i>Journal of Hazardous Materials</i> , 2020, 388, 121773.	6.5	45
1355	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.	3.9	44
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1358	Longitudinal dispersion of microplastics in aquatic flows using fluorometric techniques. <i>Water Research</i> , 2020, 170, 115337.	5.3	45
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1362	Microbial colonization of different microplastic types and biotransformation of sorbed PCBs by a marine anaerobic bacterial community. <i>Science of the Total Environment</i> , 2020, 705, 135790.	3.9	79
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1364	Research landscape of a global environmental challenge: Microplastics. <i>Water Research</i> , 2020, 170, 115358.	5.3	54
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1367	Distribution of microplastics in surface water and sediments of Qin river in Beibu Gulf, China. <i>Science of the Total Environment</i> , 2020, 708, 135176.	3.9	153
1368	Microplastics in subsurface waters of the western equatorial Atlantic (Brazil). <i>Marine Pollution Bulletin</i> , 2020, 150, 110705.	2.3	40
1369	On mechanical fragmentation of single-use plastics in the sea swash zone with different types of bottom sediments: Insights from laboratory experiments. <i>Marine Pollution Bulletin</i> , 2020, 150, 110726.	2.3	95
1370	Microplastics composition and load from three wastewater treatment plants discharging into Mersin Bay, north eastern Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2020, 150, 110776.	2.3	118
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1374	National Reconnaissance Survey of Microplastics in Municipal Wastewater Treatment Plants in Korea. <i>Environmental Science & Technology</i> , 2020, 54, 1503-1512.	4.6	93
1375	Microplastics and Nanoplastics in the Freshwater and Terrestrial Environment: A Review. <i>Water (Switzerland)</i> , 2020, 12, 2633.	1.2	126
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1377	The Paleocology of Microplastic Contamination. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	31
1378	An investigation on the effects of nanoplastic particles on nanoporous graphene membrane desalination. <i>Desalination</i> , 2020, 496, 114765.	4.0	7
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1380	Spatio-temporal evaluation of macro, meso and microplastics in surface waters, bottom and beach sediments of two embayments in Niterói, RJ, Brazil. <i>Marine Pollution Bulletin</i> , 2020, 160, 111537.	2.3	33
1381	Observation of microplastics in mariculture water of Longjiao Bay, southeast China: Influence by human activities. <i>Marine Pollution Bulletin</i> , 2020, 160, 111655.	2.3	44
1382	Anthropogenic debris in the digestive tract of a southern right whale (<i>Eubalaena australis</i>) stranded in Golfo Nuevo, Argentina. <i>Marine Pollution Bulletin</i> , 2020, 161, 111738.	2.3	7
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1388	Plastic pollution in the marine environment. <i>Heliyon</i> , 2020, 6, e04709.	1.4	333
1389	An assessment of microplastic inputs into the aquatic environment from wastewater streams. <i>Marine Pollution Bulletin</i> , 2020, 160, 111538.	2.3	62
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1391	Interactions between microplastics and organic pollutants: Effects on toxicity, bioaccumulation, degradation, and transport. <i>Science of the Total Environment</i> , 2020, 748, 142427.	3.9	183
1392	Elucidating the vertical transport of microplastics in the water column: A review of sampling methodologies and distributions. <i>Water Research</i> , 2020, 186, 116403.	5.3	45
1393	Lake Phytoplankton Assemblage Altered by Irregularly Shaped PLA Body Wash Microplastics but Not by PS Calibration Beads. <i>Water (Switzerland)</i> , 2020, 12, 2650.	1.2	14
1394	Degradation of bio-based and biodegradable plastics in a salt marsh habitat: Another potential source of microplastics in coastal waters. <i>Marine Pollution Bulletin</i> , 2020, 160, 111518.	2.3	61
1395	Will COVID-19 Containment and Treatment Measures Drive Shifts in Marine Litter Pollution?. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	67
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1430	High prevalence of plastic ingestion by <i>Eriocheir sinensis</i> and <i>Carcinus maenas</i> (Crustacea: Decapoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tj 5	3.7	29
1431	Characterizing the environmental impact of packaging materials for express delivery via life cycle assessment. <i>Journal of Cleaner Production</i> , 2020, 274, 122961.	4.6	46
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1440	Microplastics in sandy environments in the Florida Keys and the panhandle of Florida, and the ingestion by sea cucumbers (Echinodermata: Holothuroidea) and sand dollars (Echinodermata: Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 65		
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1444	Quantification of plankton-sized microplastics in a productive coastal Arctic marine ecosystem. <i>Environmental Pollution</i> , 2020, 266, 115248.	3.7	52
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1603	Concentration and adsorption of Pb and Cu in microplastics: Case study in aquatic environment. <i>Marine Pollution Bulletin</i> , 2020, 158, 111380.	2.3	108
1604	Biological and Ecological Impacts of Plastic Debris in Aquatic Ecosystems. <i>Handbook of Environmental Chemistry</i> , 2020, , 1.	0.2	4
1605	Characterization of anthropogenic materials on yellow-legged gull (<i>Larus michahellis</i>) nests breeding in natural and urban sites along the coast of Portugal. <i>Environmental Science and Pollution Research</i> , 2020, 27, 36954-36969.	2.7	18
1606	Microplastics as contaminants in freshwater environments: A multidisciplinary review. <i>Ecohydrology and Hydrobiology</i> , 2020, 20, 333-345.	1.0	50
1607	Identification and characterization of single use oxo/biodegradable plastics from Mexico City, Mexico: Is the advertised labeling useful?. <i>Science of the Total Environment</i> , 2020, 739, 140358.	3.9	6
1608	Microplastics provide new microbial niches in aquatic environments. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 6501-6511.	1.7	217
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1610	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.	6.5	65
1611	Sorption of okadaic acid lipophilic toxin onto plastics in seawater. <i>Marine Pollution Bulletin</i> , 2020, 157, 111322.	2.3	6
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1613	Major Role of Surrounding Environment in Shaping Biofilm Community Composition on Marine Plastic Debris. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	69
1614	Review of microplastic occurrence and toxicological effects in marine environment: Experimental evidence of inflammation. <i>Chemical Engineering Research and Design</i> , 2020, 142, 1-14.	2.7	152
1615	Immunotoxicity of polystyrene nanoplastics in different hemocyte subpopulations of <i>Mytilus galloprovincialis</i> . <i>Scientific Reports</i> , 2020, 10, 8637.	1.6	47
1616	Critical Review of Processing and Classification Techniques for Images and Spectra in Microplastic Research. <i>Applied Spectroscopy</i> , 2020, 74, 989-1010.	1.2	132
1617	Microplastics on beaches along the eastern Gulf of Thailand – A preliminary study. <i>Marine Pollution Bulletin</i> , 2020, 157, 111345.	2.3	58
1618	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.	3.9	39
1619	Microplastics mixture exposure at environmentally relevant conditions induce oxidative stress and neurotoxicity in the wedge clam <i>Donax trunculus</i> . <i>Chemosphere</i> , 2020, 258, 127344.	4.2	57

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1622	Acute and chronic effects of polystyrene microplastics on brine shrimp: First evidence highlighting the molecular mechanism through transcriptome analysis. Journal of Hazardous Materials, 2020, 400, 123220.	6.5	100
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1631	Interaction of Environmental Pollutants with Microplastics: A Critical Review of Sorption Factors, Bioaccumulation and Ecotoxicological Effects. Toxics, 2020, 8, 40.	1.6	125
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1643	Microplastic identification and quantification from organic rich sediments: A validated laboratory protocol. Environmental Pollution, 2020, 262, 114298.	3.7	77
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1645	Microplastics in the Bay of Biscay: An overview. Marine Pollution Bulletin, 2020, 153, 110996.	2.3	24
1646	A non-lethal SPME-LC/MS method for the analysis of plastic-associated contaminants in coral reef invertebrates. Analytical Methods, 2020, 12, 1935-1942.	1.3	25
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1648	Composition of scrub-type cosmetics from the perspective of product ecology and microplastic content. Toxicology and Environmental Health Sciences, 2020, 12, 75-81.	1.1	17
1649	Delineating and preventing plastic waste leakage in the marine and terrestrial environment. Environmental Science and Pollution Research, 2020, 27, 12830-12837.	2.7	25
1650	Nearshore spatio-temporal sea surface trawls of plastic debris in the Balearic Islands. Marine Environmental Research, 2020, 158, 104945.	1.1	52
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1653	Behaviour of plastic litter in nearshore waters: First insights from wind and wave laboratory experiments. Marine Pollution Bulletin, 2020, 153, 111023.	2.3	48
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1656	Biofilms of Microplastics. Handbook of Environmental Chemistry, 2020, , 299-317.	0.2	22

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1658	Occurrence and identification of microplastics in tap water from China. <i>Chemosphere</i> , 2020, 252, 126493.	4.2	221
1659	The influence of polyethylene microplastics on pesticide residue and degradation in the aquatic environment. <i>Journal of Hazardous Materials</i> , 2020, 394, 122517.	6.5	83
1660	A review of possible pathways of marine microplastics transport in the ocean. <i>Anthropocene Coasts</i> , 2020, 3, 6-13.	0.6	72
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1662	Microplastics in sea-surface waters surrounding Sweden sampled by manta trawl and in-situ pump. <i>Marine Pollution Bulletin</i> , 2020, 153, 111019.	2.3	64
1663	An assessment of microplastics in the ecosystem and selected commercially important fishes off Kochi, south eastern Arabian Sea, India. <i>Marine Pollution Bulletin</i> , 2020, 154, 111027.	2.3	101
1664	An Overlooked Entry Pathway of Microplastics into Agricultural Soils from Application of Sludge-Based Fertilizers. <i>Environmental Science & Technology</i> , 2020, 54, 4248-4255.	4.6	219
1665	Immunotoxicity and neurotoxicity of bisphenol A and microplastics alone or in combination to a bivalve species, <i>Tegillarca granosa</i> . <i>Environmental Pollution</i> , 2020, 265, 115115.	3.7	100
1666	Microplastics pollution in wastewater: Characteristics, occurrence and removal technologies. <i>Environmental Technology and Innovation</i> , 2020, 19, 101013.	3.0	74
1667	Microplastics in subsurface coastal waters along the southern coast of Viti Levu in Fiji, South Pacific. <i>Marine Pollution Bulletin</i> , 2020, 156, 111239.	2.3	22
1668	Microplastics in the marine environment: a literature review and northeast England case study. <i>Water and Environment Journal</i> , 2020, 34, 489-505.	1.0	8
1669	The transport and fate of marine plastics in South Africa and adjacent oceans. <i>South African Journal of Science</i> , 2020, 116, .	0.3	33
1670	Plastic Ingestion in Sardines (<i>Sardinops sagax</i>) From Frenchman Bay, Western Australia, Highlights a Problem in a Ubiquitous Fish. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	14
1671	Microplastics in waters and soils: Occurrence, analytical methods and ecotoxicological effects. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110910.	2.9	89
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1673	Interaction of freshwater microplastics with biota and heavy metals: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1813-1824.	8.3	186
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1676	Complete Photocatalytic Mineralization of Microplastic on TiO ₂ Nanoparticle Film. <i>IScience</i> , 2020, 23, 101326.	1.9	175
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1678	Impacts of Microplastics on the Swimming Behavior of the Copepod <i>Temora turbinata</i> (Dana, 1849). <i>Fluids</i> , 2020, 5, 103.	0.8	15
1679	Plain polystyrene microplastics reduce the toxic effects of ZnO particles on marine microalgae <i>Dunaliella salina</i> . <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104250.	3.3	39
1680	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.	4.2	106
1681	Improving the efficiency of post-digestion method in extracting microplastics from gastrointestinal tract and gills of fish. <i>Chemosphere</i> , 2020, 260, 127649.	4.2	24
1682	Microplastic accumulation by tube-dwelling, suspension feeding polychaetes from the sediment surface: A case study from the Norwegian Continental Shelf. <i>Marine Environmental Research</i> , 2020, 161, 105073.	1.1	32
1683	Marine plastics: What risks and policies exist for seagrass ecosystems in the Plasticene?. <i>Marine Pollution Bulletin</i> , 2020, 158, 111425.	2.3	35
1684	Microplastics and nanoplastics in global food webs: A bibliometric analysis (2009–2019). <i>Marine Pollution Bulletin</i> , 2020, 158, 111432.	2.3	56
1685	Effect of microplastics and microplastic-metal combinations on growth and chlorophyll a concentration of <i>Chlorella vulgaris</i> . <i>Science of the Total Environment</i> , 2020, 743, 140479.	3.9	137
1686	Plastics everywhere: first evidence of polystyrene fragments inside the common Antarctic collembolan <i>Cryptopygus antarcticus</i> . <i>Biology Letters</i> , 2020, 16, 20200093.	1.0	61
1687	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.	3.9	59
1688	The sorption behaviour of amine micropollutants on polyethylene microplastics – impact of aging and interactions with green seaweed. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1678-1687.	1.7	14
1689	Quantitative Analysis of Selected Plastics in High-Commercial-Value Australian Seafood by Pyrolysis Gas Chromatography Mass Spectrometry. <i>Environmental Science & Technology</i> , 2020, 54, 9408-9417.	4.6	143
1690	Distribution and characteristics of microplastics in urban waters of seven cities in the Tuojiang River basin, China. <i>Environmental Research</i> , 2020, 189, 109893.	3.7	85
1691	Microbes and Persistent Organic Pollutants in the Marine Environment. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	6
1692	Evidence of selective enrichment of bacterial assemblages and antibiotic resistant genes by microplastics in urban rivers. <i>Water Research</i> , 2020, 183, 116113.	5.3	178

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1695	Evidence for rapid gut clearance of microplastic polyester fibers fed to Chinook salmon: A tank study. <i>Environmental Pollution</i> , 2020, 265, 115083.	3.7	11
1696	Macro-plastic pollution in the tidal Thames: An analysis of composition and trends for the optimization of data collection. <i>Marine Policy</i> , 2020, 119, 104064.	1.5	12
1697	Using Boops boops (osteichthyes) to assess microplastic ingestion in the Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2020, 158, 111397.	2.3	46
1698	The density of microplastic in sea cucumber (<i>Holothuria</i> sp.) and sediment at Tidung Besar and Bira Besar island, Jakarta. <i>Journal of Physics: Conference Series</i> , 2020, 1524, 012064.	0.3	7
1699	Sinking of microbial-associated microplastics in natural waters. <i>PLoS ONE</i> , 2020, 15, e0228209.	1.1	41
1700	Trophic transfer of microplastics in an estuarine food chain and the effects of a sorbed legacy pollutant. <i>Limnology and Oceanography Letters</i> , 2020, 5, 154-162.	1.6	100
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1702	Recent Trends in Waste Water Treatment and Water Resource Management. , 2020, , .		8
1703	Correlation appraisal of antibiotic resistance with fecal, metal and microplastic contamination in a tropical Indian river, lakes and sewage. <i>Npj Clean Water</i> , 2020, 3, .	3.1	68
1704	Early evidence of microplastics on seagrass and macroalgae. <i>Marine and Freshwater Research</i> , 2020, 71, 922.	0.7	73
1705	Baseline analysis of metal(loid)s on microplastics collected from the Australian shoreline using citizen science. <i>Marine Pollution Bulletin</i> , 2020, 152, 110914.	2.3	42
1706	Sewage sludge application as a vehicle for microplastics in eastern Spanish agricultural soils. <i>Environmental Pollution</i> , 2020, 261, 114198.	3.7	353
1707	Marine Litter in Transitional Water Ecosystems: State of The Art Review Based on a Bibliometric Analysis. <i>Water (Switzerland)</i> , 2020, 12, 612.	1.2	18
1708	Major factors influencing the quantification of Nile Red stained microplastics and improved automatic quantification (MP-VAT 2.0). <i>Science of the Total Environment</i> , 2020, 719, 137498.	3.9	59
1709	Plastics and biodegradable plastics: ecotoxicity comparison between polyvinylchloride and Mater-Bi® micro-debris in a freshwater biological model. <i>Science of the Total Environment</i> , 2020, 720, 137602.	3.9	41
1710	Microplastics in Urban Environments: Sources, Pathways, and Distribution. <i>Handbook of Environmental Chemistry</i> , 2020, , 41-61.	0.2	23
1712	Uptake routes of microplastics in fishes: practical and theoretical approaches to test existing theories. <i>Scientific Reports</i> , 2020, 10, 3896.	1.6	176

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1714	Preliminary Investigation on the Type and Distribution of Microplastics in the West Coast of Karimun Besar Island. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 430, 012011.	0.2	5
1715	Microplastics in sediment cores as indicators of temporal trends in microplastic pollution in Andong salt marsh, Hangzhou Bay, China. <i>Regional Studies in Marine Science</i> , 2020, 35, 101149.	0.4	33
1716	Mini-review on current studies of airborne microplastics: Analytical methods, occurrence, sources, fate and potential risk to human beings. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 125, 115821.	5.8	90
1717	Influence of Barotropic Tidal Currents on Transport and Accumulation of Floating Microplastics in the Global Open Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015583.	1.0	34
1718	Storm Response of Fluvial Sedimentary Microplastics. <i>Scientific Reports</i> , 2020, 10, 1865.	1.6	68
1719	Nanoplastic ingestion induces behavioral disorders in terrestrial snails: trophic transfer effects via vascular plants. <i>Environmental Science: Nano</i> , 2020, 7, 975-983.	2.2	112
1720	Plastic driven pollution in Pakistan: the first evidence of environmental exposure to microplastic in sediments and water of Rawal Lake. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15083-15092.	2.7	92
1721	Occurrence and distribution of microplastics in surface sediments from the Gulf of Thailand. <i>Marine Pollution Bulletin</i> , 2020, 152, 110916.	2.3	51
1722	Heavy metals contamination of sedimentary microplastics in Hong Kong. <i>Marine Pollution Bulletin</i> , 2020, 153, 110977.	2.3	81
1723	What the fluff is this? - <i>Gammarus pulex</i> prefer food sources without plastic microfibers. <i>Science of the Total Environment</i> , 2020, 715, 136815.	3.9	32
1724	Degradable sugar-based magnetic hybrid nanoparticles for recovery of crude oil from aqueous environments. <i>Polymer Chemistry</i> , 2020, 11, 4895-4903.	1.9	10
1725	Thorough Multianalytical Characterization and Quantification of Micro- and Nanoplastics from Bracciano Lake's Sediments. <i>Sustainability</i> , 2020, 12, 878.	1.6	35
1726	Ingestion of microplastics by pelagic fish from the Moroccan Central Atlantic coast. <i>Environmental Pollution</i> , 2020, 261, 114194.	3.7	45
1727	Vertical distribution of microplastics in bay sediment reflecting effects of sedimentation dynamics and anthropogenic activities. <i>Marine Pollution Bulletin</i> , 2020, 152, 110885.	2.3	77
1728	Source, migration and toxicology of microplastics in soil. <i>Environment International</i> , 2020, 137, 105263.	4.8	603
1729	A review of microplastics in the aquatic environment: distribution, transport, ecotoxicology, and toxicological mechanisms. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11494-11505.	2.7	84
1730	Microplastics and Nanoplastics in Aquatic Environments: Challenges and Threats to Aquatic Organisms. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 4419-4440.	1.7	59

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1732	Removal efficiency of micro- and nanoplastics (180Ånmâ€“125Å1¼m) during drinking water treatment. <i>Science of the Total Environment</i> , 2020, 720, 137383.	3.9	148
1733	Microbial Colonization in Marine Environments: Overview of Current Knowledge and Emerging Research Topics. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 78.	1.2	93
1734	Detection and evaluation of microbeads and other microplastics in wastewater treatment plant samples. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15878-15887.	2.7	35
1735	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.	3.7	43
1736	Can we shop ourselves to a clean sea? An experimental panel approach to assess the persuasiveness of private labels as a private governance approach to microplastic pollution. <i>Marine Pollution Bulletin</i> , 2020, 153, 110927.	2.3	13
1737	Microplastics in the freshwater and terrestrial environments: Prevalence, fates, impacts and sustainable solutions. <i>Science of the Total Environment</i> , 2020, 719, 137512.	3.9	341
1738	Polyesterâ€based biodegradable plastics: an approach towards sustainable development. <i>Letters in Applied Microbiology</i> , 2020, 70, 413-430.	1.0	80
1739	Quantification of floating riverine macro-debris transport using an image processing approach. <i>Scientific Reports</i> , 2020, 10, 2198.	1.6	36
1740	Effects of microplastics and mercury on manila clam <i>Ruditapes philippinarum</i> : Feeding rate, immunomodulation, histopathology and oxidative stress. <i>Environmental Pollution</i> , 2020, 262, 114247.	3.7	81
1741	Impacts of nanoplastics on bivalve: Fluorescence tracing of organ accumulation, oxidative stress and damage. <i>Journal of Hazardous Materials</i> , 2020, 392, 122418.	6.5	138
1742	Presence of microplastics in water, sediments and fish species in an urban coastal environment of Fiji, a Pacific small island developing state. <i>Marine Pollution Bulletin</i> , 2020, 153, 110991.	2.3	109
1743	Citizen science data indicate a reduction in beach litter in the Lofoten archipelago in the Norwegian Sea. <i>Marine Pollution Bulletin</i> , 2020, 153, 111000.	2.3	33
1744	Separation, characterization and identification of microplastics and nanoplastics in the environment. <i>Science of the Total Environment</i> , 2020, 721, 137561.	3.9	172
1745	Sorption behavior of real microplastics (MPs): Insights for organic micropollutants adsorption on a large set of well-characterized MPs. <i>Science of the Total Environment</i> , 2020, 720, 137634.	3.9	107
1746	An environmental concentration of aged microplastics with adsorbed silver significantly affects aquatic organisms. <i>Water Research</i> , 2020, 175, 115644.	5.3	189
1747	Effect of Agitation Method on the Nanosized Degradation of Polystyrene Microplastics Dispersed in Water. <i>ACS Omega</i> , 2020, 5, 3218-3227.	1.6	23
1748	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.	0.7	19

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1749	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.	0.8	39
1750	Beach litter composition and distribution on the Atlantic coast of Cádiz (SW Spain). <i>Regional Studies in Marine Science</i> , 2020, 34, 101050.	0.4	30
1751	Microplastics in Freshwater Environments. , 2020, , 325-353.		1
1752	Microplastic accumulation in a <i>Zostera marina</i> L. bed at Deerness Sound, Orkney, Scotland. <i>Marine Pollution Bulletin</i> , 2020, 152, 110883.	2.3	68
1753	The physical oceanography of the transport of floating marine debris. <i>Environmental Research Letters</i> , 2020, 15, 023003.	2.2	469
1754	Using diffuse reflectance spectroscopy (DRS) technique for studying biofilm formation on LDPE and PET surfaces: laboratory and field experiments. <i>Environmental Science and Pollution Research</i> , 2020, 27, 12055-12064.	2.7	8
1755	Microplastics impair the feeding performance of a Mediterranean habitat-forming coral. <i>Marine Environmental Research</i> , 2020, 155, 104887.	1.1	68
1756	Low incidence of microplastic contaminants in Pacific oysters (<i>Crassostrea gigas</i> Thunberg) from the Salish Sea, USA. <i>Science of the Total Environment</i> , 2020, 715, 136826.	3.9	65
1757	Distribution, abundance, and diversity of microplastics in the upper St. Lawrence River. <i>Environmental Pollution</i> , 2020, 260, 113994.	3.7	109
1758	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.	3.9	159
1759	Coastal ocean dynamics reduce the export of microplastics to the open ocean. <i>Science of the Total Environment</i> , 2020, 713, 136634.	3.9	64
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1761	Investigation of the microplastics profile in sludge from China's largest Water reclamation plant using a feasible isolation device. <i>Journal of Hazardous Materials</i> , 2020, 388, 122067.	6.5	84
1762	The way of microplastic through the environment " Application of the source-pathway-receptor model (review). <i>Science of the Total Environment</i> , 2020, 713, 136584.	3.9	158
1763	Abundance and distribution of microplastics on sandy beaches of Lima, Peru. <i>Marine Pollution Bulletin</i> , 2020, 151, 110877.	2.3	81
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1765	Effects of exposure to polyether sulfone microplastic on the nitrifying process and microbial community structure in aerobic granular sludge. <i>Bioresource Technology</i> , 2020, 302, 122827.	4.8	60
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1768	Microplastic fragment and fiber contamination of beach sediments from selected sites in Virginia and North Carolina, USA. <i>Marine Pollution Bulletin</i> , 2020, 151, 110869.	2.3	86
1769	Plastic floating debris along a summer-winter estuarine environmental gradient in a coastal lagoon: how does plastic debris arrive in a conservation unit?. <i>Environmental Science and Pollution Research</i> , 2020, 27, 8797-8806.	2.7	24
1770	Occurrence and characterization of surface sediment microplastics and litter from North African coasts of Mediterranean Sea: Preliminary research and first evidence. <i>Science of the Total Environment</i> , 2020, 713, 136664.	3.9	77
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1773	Microplastic-micro interactions: How microorganisms influence the fate of marine microplastics. <i>Limnology and Oceanography Letters</i> , 2020, 5, 18-36.	1.6	188
1774	Microplastics and copper effects on the neotropical teleost <i>Prochilodus lineatus</i> : Is there any interaction?. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 242, 110659.	0.8	58
1775	Microplastic ingestion by quagga mussels, <i>Dreissena bugensis</i> , and its effects on physiological processes. <i>Environmental Pollution</i> , 2020, 260, 113964.	3.7	72
1776	Low-Cost Biochar Adsorbents for Water Purification Including Microplastics Removal. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 788.	1.3	100
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1780	Plastic pollution on eight beaches of Tenerife (Canary Islands, Spain): An annual study. <i>Marine Pollution Bulletin</i> , 2020, 151, 110847.	2.3	47
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1788	Rainfall is a significant environmental factor of microplastic pollution in inland waters. <i>Science of the Total Environment</i> , 2020, 732, 139065.	3.9	136
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1790	A Preliminary Study: Identification of Stream Waste Quantity and Composition in Bali Province, Indonesia. <i>E3S Web of Conferences</i> , 2020, 148, 05005.	0.2	6
1791	Occurrence and Ecotoxicological Effects of Microplastics on Aquatic and Terrestrial Ecosystems. <i>Handbook of Environmental Chemistry</i> , 2020, , 223-243.	0.2	7
1793	Biophysical effects of polystyrene nanoparticles on <i>Elliptio complanata</i> mussels. <i>Environmental Science and Pollution Research</i> , 2020, 27, 25093-25102.	2.7	8
1794	Microplastic accumulation in the gastrointestinal tracts in birds of prey in central Florida, USA. <i>Environmental Pollution</i> , 2020, 264, 114633.	3.7	128
1795	Potential toxicity of polystyrene microplastic particles. <i>Scientific Reports</i> , 2020, 10, 7391.	1.6	303
1796	Coastal Lakes as a Buffer Zone for the Accumulation and Redistribution of Plastic Particles from Continental to Marine Environment: A Case Study of the Dishui Lake in Shanghai, China. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1974.	1.3	6
1797	Sources, transport, measurement and impact of nano and microplastics in urban watersheds. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 275-336.	3.9	69
1798	Microalgal-based biopolymer for nano- and microplastic removal: a possible biosolution for wastewater treatment. <i>Environmental Pollution</i> , 2020, 263, 114385.	3.7	85
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1800	Microplastic contamination in east Antarctic sea ice. <i>Marine Pollution Bulletin</i> , 2020, 154, 111130.	2.3	171
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1804	Dietary exposure to polyvinyl chloride microparticles induced oxidative stress and hepatic damage in <i>Clarias gariepinus</i> (Burchell, 1822). <i>Environmental Science and Pollution Research</i> , 2020, 27, 21159-21173.	2.7	58

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1806	Plastic waste in the terrestrial environment. , 2020, , 163-193.		20
1807	Sedimentation of nanoplastics from water with Ca/Al dual flocculants: Characterization, interface reaction, effects of pH and ion ratios. Chemosphere, 2020, 252, 126450.	4.2	55
1808	Sunlight mediated cadmium release from colored microplastics containing cadmium pigment in aqueous phase. Environmental Pollution, 2020, 263, 114484.	3.7	48
1809	Observations and idealized modelling of microplastic transport in estuaries: The exemplary case of an upwelling system (RÁa de Vigo, NW Spain). Marine Chemistry, 2020, 222, 103780.	0.9	35
1810	An assessment of microplastics threat to the marine environment: A short review in context of the Arabian/Persian Gulf. Marine Environmental Research, 2020, 159, 104961.	1.1	37
1811	Spatial distribution of microplastic in the surface waters along the coast of Korea. Marine Pollution Bulletin, 2020, 155, 110729.	2.3	47
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1813	Prevalence of microplastic contamination in the digestive tract of fishes from mangrove ecosystem in Cispatá, Colombian Caribbean. Marine Pollution Bulletin, 2020, 154, 111085.	2.3	69
1814	Mesoplastics and large microplastics along a use gradient on the Uruguay Atlantic coast: Types, sources, fates, and chemical loads. Science of the Total Environment, 2020, 721, 137734.	3.9	22
1815	Microplastic pollution around remote uninhabited coral reefs of Nansha Islands, South China Sea. Science of the Total Environment, 2020, 725, 138383.	3.9	73
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1824	Microplastic particles in the Persian/Arabian Gulf – A review on sampling and identification. <i>Marine Pollution Bulletin</i> , 2020, 154, 111100.	2.3	55
1825	Microplastics on sandy beaches of the southern Baltic Sea. <i>Marine Pollution Bulletin</i> , 2020, 155, 111170.	2.3	78
1826	Biodegradable green packaging with antimicrobial functions based on the bioactive compounds from tropical plants and their by-products. <i>Trends in Food Science and Technology</i> , 2020, 100, 262-277.	7.8	175
1827	Effects of bisphenol A and nanoscale and microscale polystyrene plastic exposure on particle uptake and toxicity in human Caco-2 cells. <i>Chemosphere</i> , 2020, 254, 126788.	4.2	133
1828	Microplastic Contamination in Freshwater Environments: A Review, Focusing on Interactions with Sediments and Benthic Organisms. <i>Environments - MDPI</i> , 2020, 7, 30.	1.5	202
1830	Plastic Debris in the Marine Environment: History and Future Challenges. <i>Global Challenges</i> , 2020, 4, 1900081.	1.8	139
1831	Microplastics from consumer plastic food containers: Are we consuming it?. <i>Chemosphere</i> , 2020, 253, 126787.	4.2	196
1832	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.	3.9	120
1833	An effective method for evaluation of microplastic contaminant in gastropod from Taihu Lake, China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 22878-22887.	2.7	20
1834	Microplastics in bloom-forming macroalgae: Distribution, characteristics and impacts. <i>Journal of Hazardous Materials</i> , 2020, 397, 122752.	6.5	81
1835	Seawater activated TiO ₂ photocatalyst for degradation of organic compounds. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 16, 100251.	1.6	6
1836	Recent Advances in Bioplastics: Application and Biodegradation. <i>Polymers</i> , 2020, 12, 920.	2.0	195
1837	Sources of Microplastic in the Environment. <i>Handbook of Environmental Chemistry</i> , 2020, , 143-159.	0.2	53
1838	Microplastics in Soil Ecosystem: Insight on Its Fate and Impacts on Soil Quality. <i>Handbook of Environmental Chemistry</i> , 2020, , 245-258.	0.2	9
1839	Delineating the global plastic marine litter challenge: clarifying the misconceptions. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 267.	1.3	32
1840	A Comprehensive First Baseline for Marine Litter Characterization in the Madeira Archipelago (NE Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.1	18
1841	Spatiotemporal variation in microplastic contamination along a subtropical reservoir shoreline. <i>Environmental Science and Pollution Research</i> , 2020, 27, 23880-23887.	2.7	31

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1843	Physical characterization of litter and microplastic along the urban coast of Cagayan de Oro in Macajalar Bay, Philippines. <i>Marine Pollution Bulletin</i> , 2020, 154, 111083.	2.3	34
1844	Coupled effects of urbanization level and dam on microplastics in surface waters in a coastal watershed of Southeast China. <i>Marine Pollution Bulletin</i> , 2020, 154, 111089.	2.3	60
1845	Microplastic accumulation in deep-sea sediments from the Rockall Trough. <i>Marine Pollution Bulletin</i> , 2020, 154, 111092.	2.3	114
1846	Microplastic pollution in the littoral sediments of the northern part of the Oman Sea. <i>Marine Pollution Bulletin</i> , 2020, 155, 111166.	2.3	43
1847	Microplastics in Salt of Tuticorin, Southeast Coast of India. <i>Archives of Environmental Contamination and Toxicology</i> , 2020, 79, 111-121.	2.1	69
1848	Research progress in sources, analytical methods, eco-environmental effects, and control measures of microplastics. <i>Chemosphere</i> , 2020, 254, 126790.	4.2	150
1849	The combined toxicity influence of microplastics and nonylphenol on microalgae <i>Chlorella pyrenoidosa</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110484.	2.9	159
1850	First report on the presence of small microplastics (â‰‰ 3Â½4m) 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.	3.7	87
1851	Investigation on the microfiber release under controlled washings from the knitted fabrics produced by recycled and virgin polyester yarns. <i>Journal of the Textile Institute</i> , 2021, 112, 264-272.	1.0	38
1852	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.	6.5	325
1853	Fate and Transport of Subsurface Pollutants. <i>Microorganisms for Sustainability</i> , 2021, , .	0.4	6
1854	Algal density affects the influences of polyethylene microplastics on the freshwater rotifer <i>Brachionus calyciflorus</i> . <i>Chemosphere</i> , 2021, 270, 128613.	4.2	32
1855	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.	3.9	39
1856	Alleviation of tributyltin-induced toxicity by diet and microplastics in the marine rotifer <i>Brachionus koreanus</i> . <i>Journal of Hazardous Materials</i> , 2021, 402, 123739.	6.5	19
1857	Preliminary study of weave pattern influence on microplastics from fabric laundering. <i>Textile Research Journal</i> , 2021, 91, 1037-1045.	1.1	12
1858	Interaction of metal oxide nanoparticles with microplastics: Impact of weathering under riverine conditions. <i>Water Research</i> , 2021, 189, 116622.	5.3	41
1859	Ingestion of microplastics by <i>Hypanus guttatus</i> stingrays in the Western Atlantic Ocean (Brazilian Tj ETQq1 1 0.784314 rgBTJ/Overlock	2.3	42

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1861	Interfacial interactions between collected nylon microplastics and three divalent metal ions (Cu(II), Tj ETQq1 1 0.784314 rgBT/Overlo	6.5	124
1862	Policy Framework for Mitigating Land-based Marine Plastic Pollution in the Gangetic Delta Region of Bay of Bengal- A review. <i>Journal of Cleaner Production</i> , 2021, 278, 123409.	4.6	42
1863	Spatially resolved indiffusion behavior of Cu 2+ and Ni 2+ in polypropylene. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49655.	1.3	5
1864	Environmental distribution, transport and ecotoxicity of microplastics: A review. <i>Journal of Applied Toxicology</i> , 2021, 41, 52-64.	1.4	41
1865	A review of microplastics aggregation in aquatic environment: Influence factors, analytical methods, and environmental implications. <i>Journal of Hazardous Materials</i> , 2021, 402, 123496.	6.5	184
1866	Response of rice (<i>Oryza sativa</i> L.) roots to nanoplastic treatment at seedling stage. <i>Journal of Hazardous Materials</i> , 2021, 401, 123412.	6.5	186
1867	Thermosetting polymers from renewable sources. <i>Polymer International</i> , 2021, 70, 167-180.	1.6	38
1868	Sorption of pharmaceuticals on the surface of microplastics. <i>Chemosphere</i> , 2021, 263, 127976.	4.2	98
1869	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.	3.7	22
1870	Interactions of microplastics and antibiotic resistance genes and their effects on the aquaculture environments. <i>Journal of Hazardous Materials</i> , 2021, 403, 123961.	6.5	170
1871	Uptake, tissue distribution and toxicological effects of environmental microplastics in early juvenile fish <i>Dicentrarchus labrax</i> . <i>Journal of Hazardous Materials</i> , 2021, 403, 124055.	6.5	84
1872	Removal of micron-scale microplastic particles from different waters with efficient tool of surface-functionalized microbubbles. <i>Journal of Hazardous Materials</i> , 2021, 404, 124095.	6.5	60
1873	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.	3.9	75
1874	Microplastics in freshwater and wild fishes from Lijiang River in Guangxi, Southwest China. <i>Science of the Total Environment</i> , 2021, 755, 142428.	3.9	73
1875	A critical review of interactions between microplastics, microalgae and aquatic ecosystem function. <i>Water Research</i> , 2021, 188, 116476.	5.3	195
1876	Microplastics accumulate to thin layers in the stratified Baltic Sea. <i>Environmental Pollution</i> , 2021, 268, 115700.	3.7	55
1877	Microplastics accumulation in sediments and <i>Periophthalmus waltoni</i> fish, mangrove forests in southern Iran. <i>Chemosphere</i> , 2021, 264, 128543.	4.2	67

#	ARTICLE	IF	CITATIONS
1878	Linking effects of microplastics to ecological impacts in marine environments. <i>Chemosphere</i> , 2021, 264, 128541.	4.2	116
1879	Factors (type, colour, density, and shape) determining the removal of marine plastic debris by seabirds from the South Pacific Ocean: Is there a pattern?. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 389-407.	0.9	10
1880	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.	6.5	198
1881	Gut microbiota protects honey bees (<i>Apis mellifera</i> L.) against polystyrene microplastics exposure risks. <i>Journal of Hazardous Materials</i> , 2021, 402, 123828.	6.5	91
1882	Microplastics physicochemical properties, specific adsorption modeling and their interaction with pharmaceuticals and other emerging contaminants. <i>Science of the Total Environment</i> , 2021, 753, 141981.	3.9	83
1883	Plastic pollution impacts on marine carbon biogeochemistry. <i>Environmental Pollution</i> , 2021, 268, 115598.	3.7	55
1884	New insights into the vertical distribution and microbial degradation of microplastics in urban river sediments. <i>Water Research</i> , 2021, 188, 116449.	5.3	140
1885	Aquatic toxicity of chemically defined microplastics can be explained by functional additives. <i>Journal of Hazardous Materials</i> , 2021, 406, 124338.	6.5	79
1886	Screening of suspected micro(nano)plastics in the Ebro Delta (Mediterranean Sea). <i>Journal of Hazardous Materials</i> , 2021, 404, 124022.	6.5	35
1887	Physiological effects of plastic particles on mussels are mediated by food presence. <i>Journal of Hazardous Materials</i> , 2021, 404, 124136.	6.5	46
1888	Uptake, accumulation and associated cellular alterations of environmental samples of microplastics in the seaworm <i>Hediste diversicolor</i> . <i>Journal of Hazardous Materials</i> , 2021, 406, 124287.	6.5	34
1889	Effect of polyethylene microplastics on activated sludge process - Accumulation in the sludge and influence on the process and on biomass characteristics. <i>Chemical Engineering Research and Design</i> , 2021, 148, 536-547.	2.7	34
1890	Toxicity of polystyrene nanoplastics in <i>Ctenopharyngodon idella</i> juveniles: A genotoxic, mutagenic and cytotoxic perspective. <i>Science of the Total Environment</i> , 2021, 752, 141937.	3.9	55
1891	Microplastic fibres from synthetic textiles: Environmental degradation and additive chemical content. <i>Environmental Pollution</i> , 2021, 268, 115745.	3.7	144
1892	Occurrence and distribution of microplastics on recreational beaches of Haichow Bay, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6132-6145.	2.7	27
1893	Photo aging and fragmentation of polypropylene food packaging materials in artificial seawater. <i>Water Research</i> , 2021, 188, 116456.	5.3	89
1894	Impact of different modes of adsorption of natural organic matter on the environmental fate of nanoplastics. <i>Chemosphere</i> , 2021, 263, 127967.	4.2	20
1895	Concentration, anisotropic and apparent colour effects on optical reflectance properties of virgin and ocean-harvested plastics. <i>Journal of Hazardous Materials</i> , 2021, 406, 124290.	6.5	25

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1896	Microplastics decrease the toxicity of triphenyl phosphate (TPhP) in the marine medaka (<i>Oryzias latipes</i>). <i>Environmental Pollution</i> , 2021, 269, 116147.	3.9	38
1897	Plastic waste from marine environment: Demonstration of possible routes for recycling by different manufacturing technologies. <i>Waste Management</i> , 2021, 119, 101-110.	3.7	65
1898	Challenges in the search for nanoplastics in the environment—A critical review from the polymer science perspective. <i>Polymer Testing</i> , 2021, 93, 106953.	2.3	52
1899	Seasonal variability in the distribution of microplastics in the coastal ecosystems and in some commercially important fishes of the Gulf of Mannar and Palk Bay, Southeast coast of India. <i>Regional Studies in Marine Science</i> , 2021, 41, 101558.	0.4	18
1900	Full size microplastics in crab and fish collected from the mangrove wetland of Beibu Gulf: Evidences from Raman Tweezers (1–20 μm) and spectroscopy (20–5000 μm). <i>Science of the Total Environment</i> , 2021, 759, 143504.	3.9	56
1901	Detection limits are central to improve reporting standards when using Nile red for microplastic quantification. <i>Chemosphere</i> , 2021, 263, 127953.	4.2	51
1902	Analysis of microplastics of a broad size range in commercially important mussels by combining FTIR and Raman spectroscopy approaches. <i>Environmental Pollution</i> , 2021, 269, 116147.	3.7	64
1903	Distinct fungal plastisphere across different river functional zones: A watershed scale study. <i>Science of the Total Environment</i> , 2021, 752, 141879.	3.9	18
1904	Amount, distribution and composition of large microplastics in typical agricultural soils in Northern Germany. <i>Science of the Total Environment</i> , 2021, 758, 143615.	3.9	97
1905	Potential human health risks due to environmental exposure to nano- and microplastics and knowledge gaps: A scoping review. <i>Science of the Total Environment</i> , 2021, 757, 143872.	3.9	359
1906	The dynamics of plastic pellets on sandy beaches: A new methodological approach. <i>Marine Environmental Research</i> , 2021, 163, 105219.	1.1	14
1907	Research progress of nanoplastics in freshwater. <i>Science of the Total Environment</i> , 2021, 757, 143791.	3.9	56
1908	Prokaryotic community succession and assembly on different types of microplastics in a mariculture cage. <i>Environmental Pollution</i> , 2021, 268, 115756.	3.7	30
1909	Toxic effects of exposure to microplastics with environmentally relevant shapes and concentrations: Accumulation, energy metabolism and tissue damage in oyster <i>Crassostrea gigas</i> . <i>Environmental Pollution</i> , 2021, 269, 116169.	3.7	105
1910	The joint effect of parental exposure to microcystin-LR and polystyrene nanoplastics on the growth of zebrafish offspring. <i>Journal of Hazardous Materials</i> , 2021, 410, 124677.	6.5	42
1911	Sorption of chemical contaminants on degradable and non-degradable microplastics: Recent progress and research trends. <i>Science of the Total Environment</i> , 2021, 757, 143875.	3.9	229
1912	Accumulation of microcapsules derived from coated fertilizer in paddy fields. <i>Chemosphere</i> , 2021, 267, 129185.	4.2	90
1913	Microplastics on the sea surface of the semi-closed Tokyo Bay. <i>Marine Pollution Bulletin</i> , 2021, 162, 111887.	2.3	35

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1914	How do microplastics affect the marine microbial loop? Predation of microplastics by microzooplankton. <i>Science of the Total Environment</i> , 2021, 758, 144030.	3.9	25
1915	Micro-plastic pollution along the Bay of Bengal coastal stretch of Tamil Nadu, South India. <i>Science of the Total Environment</i> , 2021, 756, 144073.	3.9	38
1916	Abundance and characteristics of microplastics in municipal wastewater treatment plant effluent: a case study of Guangzhou, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 11572-11585.	2.7	28
1917	Microplastic's story. <i>Marine Pollution Bulletin</i> , 2021, 162, 111820.	2.3	47
1918	Plastics in marine ecosystem: A review of their sources and pollution conduits. <i>Regional Studies in Marine Science</i> , 2021, 41, 101539.	0.4	23
1919	A Polar outlook: Potential interactions of micro- and nano-plastic with other anthropogenic stressors. <i>Science of the Total Environment</i> , 2021, 754, 142379.	3.9	25
1920	Influence of Plastic Waste on Chemical and Mechanical Properties of Modified Bitumen Used in the Bituminous Mix for Flexible Pavement. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	10
1921	A review of the removal of microplastics in global wastewater treatment plants: Characteristics and mechanisms. <i>Environment International</i> , 2021, 146, 106277.	4.8	268
1922	Microplastics interfere with mixotrophic <i>Ochromonas</i> eliminating toxic <i>Microcystis</i> . <i>Chemosphere</i> , 2021, 265, 129030.	4.2	12
1923	Environmental prevalence, fate, impacts, and mitigation of microplastics—a critical review on present understanding and future research scope. <i>Environmental Science and Pollution Research</i> , 2021, 28, 4951-4974.	2.7	35
1924	Microplastic pollution in water, sediment, and specific tissues of crayfish (<i>Procambarus clarkii</i>) within two different breeding modes in Jianli, Hubei province, China. <i>Environmental Pollution</i> , 2021, 272, 115939.	3.7	47
1925	Biosecurity implications of drifting marine plastic debris: Current knowledge and future research. <i>Marine Pollution Bulletin</i> , 2021, 162, 111835.	2.3	30
1926	Microplastic contamination in surface waters of the Kocçaykemece Lagoon, Marmara Sea (Turkey): Sources and areal distribution. <i>Environmental Pollution</i> , 2021, 268, 115801.	3.7	28
1927	Microplastic abundance quantification via a computer-vision-based chemometrics-assisted approach. <i>Microchemical Journal</i> , 2021, 160, 105690.	2.3	6
1928	First evidence of microplastic contamination in the freshwater of Lake Guaíba, Porto Alegre, Brazil. <i>Science of the Total Environment</i> , 2021, 759, 143503.	3.9	104
1929	Reviewing nanoplastic toxicology: It's an interface problem. <i>Advances in Colloid and Interface Science</i> , 2021, 288, 102337.	7.0	52
1930	PET nanoplastics interactions with water contaminants and their impact on human cells. <i>Environmental Pollution</i> , 2021, 271, 116262.	3.7	33
1931	Microplastic footprints in the Qinghai-Tibet Plateau and their implications to the Yangtze River Basin. <i>Journal of Hazardous Materials</i> , 2021, 407, 124776.	6.5	49

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1933	Pollution by anthropogenic microfibers in North-West Mediterranean Sea and efficiency of microfiber removal by a wastewater treatment plant. <i>Science of the Total Environment</i> , 2021, 758, 144195.	3.9	32
1934	COVID-19 pandemic repercussions on plastic and antiviral polymeric textile causing pollution on beaches and coasts of South America. <i>Science of the Total Environment</i> , 2021, 763, 144365.	3.9	179
1935	Global challenges in microplastics: From fundamental understanding to advanced degradations toward sustainable strategies. <i>Chemosphere</i> , 2021, 267, 129275.	4.2	38
1936	Microplastics in the Black Sea sediments. <i>Science of the Total Environment</i> , 2021, 760, 143898.	3.9	87
1937	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.	1.2	65
1938	Toxicity and biomarkers of micro-plastic in aquatic environment: a review. <i>Biomarkers</i> , 2021, 26, 13-25.	0.9	27
1939	Comparison of Short- and Long-Term Toxicity of Microplastics with Different Chemical Constituents on Button Polyps. (<i>Protopalathoa</i> sp.). <i>ACS Earth and Space Chemistry</i> , 2021, 5, 12-22.	1.2	17
1940	Distinct microplastic distributions in soils of different land-use types: A case study of Chinese farmlands. <i>Environmental Pollution</i> , 2021, 269, 116199.	3.7	152
1941	A comparative study on the adsorption behavior of pesticides by pristine and aged microplastics from agricultural polyethylene soil films. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111781.	2.9	51
1942	The occurrence and transport of microplastics: The state of the science. <i>Science of the Total Environment</i> , 2021, 758, 143936.	3.9	126
1943	Screening and characterization of polyhydroxyalkanoate granules, and phylogenetic analysis of polyhydroxyalkanoate synthase gene <i>PhaC</i> in cyanobacteria. <i>Journal of Phycology</i> , 2021, 57, 754-765.	1.0	6
1944	Does microplastic ingestion dramatically decrease the biomass of protozoa grazers? A case study on the marine ciliate <i>Uronema marinum</i> . <i>Chemosphere</i> , 2021, 267, 129308.	4.2	24
1945	Probabilistic environmental risk assessment of microplastics in marine habitats. <i>Aquatic Toxicology</i> , 2021, 230, 105689.	1.9	40
1946	Chemicals sorbed to environmental microplastics are toxic to early life stages of aquatic organisms. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111665.	2.9	54
1947	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.	6.5	6
1948	A probabilistic risk assessment of microplastics in soil ecosystems. <i>Science of the Total Environment</i> , 2021, 757, 143987.	3.9	69
1949	Conversion of Polyolefin Waste to Liquid Alkanes with Ru-Based Catalysts under Mild Conditions. <i>Jacs Au</i> , 2021, 1, 8-12.	3.6	179

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1950	Effect of polystyrene microplastics and temperature on growth, intestinal histology and immune responses of brine shrimp <i>Artemia franciscana</i> . <i>Journal of Oceanology and Limnology</i> , 2021, 39, 979-988.	0.6	17
1951	Novel Recycling System of Polystyrene Water Debris with Polymer Photocatalyst and Thermal Treatment. <i>Journal of Polymers and the Environment</i> , 2021, 29, 1467-1476.	2.4	4
1952	Cigarette butts as a microfiber source with a microplastic level of concern. <i>Science of the Total Environment</i> , 2021, 762, 144165.	3.9	86
1953	Evaluating alternatives to plastic microbeads in cosmetics. <i>Nature Sustainability</i> , 2021, 4, 366-372.	11.5	46
1954	Why analysing microplastics in floodplains matters: application in a sedimentary context. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 117-131.	1.7	25
1955	Effects of microplastic on arsenic accumulation in <i>Chlamydomonas reinhardtii</i> in a freshwater environment. <i>Journal of Hazardous Materials</i> , 2021, 405, 124232.	6.5	39
1956	Environmental source, fate, and toxicity of microplastics. <i>Journal of Hazardous Materials</i> , 2021, 407, 124357.	6.5	414
1957	Prevalence and characteristics of microplastics present in the street dust collected from Chennai metropolitan city, India. <i>Chemosphere</i> , 2021, 269, 128757.	4.2	82
1958	Transport and fate of microplastics from riverine sediment dredge piles: Implications for disposal. <i>Journal of Hazardous Materials</i> , 2021, 404, 124132.	6.5	41
1959	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.	3.9	61
1960	Critical effect of iron red pigment on photoaging behavior of polypropylene microplastics in artificial seawater. <i>Journal of Hazardous Materials</i> , 2021, 404, 124209.	6.5	23
1961	Responses to environmentally relevant microplastics are species-specific with dietary habit as a potential sensitivity indicator. <i>Science of the Total Environment</i> , 2021, 751, 142341.	3.9	17
1962	Preferential transport of microplastics by wind. <i>Atmospheric Environment</i> , 2021, 245, 118038.	1.9	115
1963	Recent Developments in Extraction, Identification, and Quantification of Microplastics from Agricultural Soil and Groundwater. <i>Microorganisms for Sustainability</i> , 2021, , 125-143.	0.4	2
1964	Plastic breeze: Volatile organic compounds (VOCs) emitted by degrading macro- and microplastics analyzed by selected ion flow-tube mass spectrometry. <i>Chemosphere</i> , 2021, 270, 128612.	4.2	25
1965	Tyre and road wear particles - A calculation of generation, transport and release to water and soil with special regard to German roads. <i>Science of the Total Environment</i> , 2021, 752, 141939.	3.9	95
1966	Proinflammatory properties and lipid disturbance of polystyrene microplastics in the livers of mice with acute colitis. <i>Science of the Total Environment</i> , 2021, 750, 143085.	3.9	98
1967	Environmental pollution and their socioeconomic impacts. , 2021, , 321-354.		40

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1969	Abundance and distribution characteristics of microplastic in plateau cultivated land of Yunnan Province, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 1675-1688.	2.7	81
1970	Plastic contamination of forest, urban, and agricultural soils: a case study of Yeosu City in the Republic of Korea. <i>Journal of Soils and Sediments</i> , 2021, 21, 1962-1973.	1.5	121
1971	Rhodamine B dye staining for visualizing microplastics in laboratory-based studies. <i>Environmental Science and Pollution Research</i> , 2021, 28, 4209-4215.	2.7	32
1972	Microplastics and their potential effects on the aquaculture systems: a critical review. <i>Reviews in Aquaculture</i> , 2021, 13, 719-733.	4.6	87
1973	Microplastics as emerging atmospheric pollutants: a review and bibliometric analysis. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 203-215.	1.5	64
1974	Challenge for the detection of microplastics in the environment. <i>Water Environment Research</i> , 2021, 93, 5-15.	1.3	89
1975	Food Security: The Sea and the Sustainable Fight Against Global Hunger. <i>Advanced Sciences and Technologies for Security Applications</i> , 2021, , 193-206.	0.4	0
1976	FTIR and SEM Study on the Degradation of Microplastics. , 2021, , 539-546.		0
1977	Hazards and Improvement Measures of Microplastic Pollution: A Review. <i>E3S Web of Conferences</i> , 2021, 257, 03006.	0.2	0
1978	Current Treatment Technologies for Removal of Microplastic and Microfiber Pollutants From Wastewater. , 2021, , 237-251.		13
1979	Bioprospecting of gut microflora for plastic biodegradation. <i>Bioengineered</i> , 2021, 12, 1040-1053.	1.4	16
1980	Fabrication of polyethylene terephthalate (PET) nanoparticles with fluorescent tracers for studies in mammalian cells. <i>Nanoscale Advances</i> , 2021, 3, 339-346.	2.2	18
1981	Mass spectrometry for multi-dimensional characterization of natural and synthetic materials at the nanoscale. <i>Chemical Society Reviews</i> , 2021, 50, 5243-5280.	18.7	23
1982	Plastic in the Aquatic Environment: Interactions with Microorganisms. <i>Handbook of Environmental Chemistry</i> , 2021, , 197-254.	0.2	4
1983	Microplastic Pollution in Water. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 1-44.	0.3	0
1984	Microplastics in Mediterranean Coastal Countries: A Recent Overview. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 98.	1.2	23
1985	Microbial Degradation of Marine Plastics: Current State and Future Prospects. , 2021, , 111-154.		9

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1987	The impact of polystyrene microplastics on cardiomyocytes pyroptosis through <scp>NLRP3</scp>/Caspase signaling pathway and oxidative stress in Wistar rats. Environmental Toxicology, 2021, 36, 935-944.	2.1	69
1988	Characteristics of expanded polystyrene microplastics on island beaches in the Pearl River Estuary: abundance, size, surface texture and their metals-carrying capacity. Ecotoxicology, 2021, 30, 1632-1643.	1.1	21
1989	Coarse-grained molecular dynamics simulations of nanoplastics interacting with a hydrophobic environment in aqueous solution. RSC Advances, 2021, 11, 27734-27744.	1.7	4
1990	Microplastics in fish and fishmeal: an emerging environmental challenge?. Scientific Reports, 2021, 11, 2045.	1.6	146
1991	Microplastic abundance in blood cockle <i>Anadara granosa</i> (Linnaeus, 1758) at Lada Bay, Pandeglang, Banten. Journal of Physics: Conference Series, 2021, 1725, 012053.	0.3	3
1992	Identification, Interaction and Detection of Microplastics on Fish Scales (<i>Lutjanus gibbus</i>). Current Analytical Chemistry, 2022, 18, 588-597.	0.6	4
1993	Waste Plastic-Based Nanomaterials and Their Applications. Topics in Mining, Metallurgy and Materials Engineering, 2021, , 781-803.	1.4	2
1994	Microplastics in aquatic and terrestrial environment. , 2021, , 11-29.		0
1995	Plastic in global rivers: are floods making it worse?. Environmental Research Letters, 2021, 16, 025003.	2.2	97
1996	Metal-doping of nanoplastics enables accurate assessment of uptake and effects on <i>Gammarus pulex</i> . Environmental Science: Nano, 2021, 8, 1761-1770.	2.2	24
1997	Microplastics as a potential risk for aquatic environment organisms – a review. Acta Veterinaria Brno, 2021, 90, 99-107.	0.2	13
1998	Production of Bioplastics by Different Methods – A Step Toward Green Economy: A Review. , 2021, , 109-139.		1
1999	Aggregation and Aggregate Strength of Microscale Plastic Particles in the Presence of Natural Organic Matter: Effects of Ionic Valence. Journal of Polymers and the Environment, 2021, 29, 1921-1929.	2.4	17
2000	Macroplastics in rivers: present knowledge, issues and challenges. Environmental Sciences: Processes and Impacts, 2021, 23, 535-552.	1.7	32
2001	Effects of environmentally relevant levels of polyethylene microplastic on <i>Mytilus galloprovincialis</i> (Mollusca: Bivalvia): filtration rate and oxidative stress. Environmental Science and Pollution Research, 2021, 28, 26643-26652.	2.7	41
2002	From an economic crisis to a pandemic crisis: The need for accurate marine monitoring data to take informed management decisions. Advances in Marine Biology, 2021, 89, 79-114.	0.7	13
2003	Microplastics as an Emerging Contaminant in Environment: Occurrence, Distribution, and Management Strategy. , 2021, , 281-299.		6

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2005	Synthesis of a fully biobased cellulose-3-(2-hydroxyphenyl) propionate ester with antioxidant activity and UV-resistant properties by the DBU/CO ₂ /DMSO solvent system. Green Chemistry, 2021, 23, 2352-2361.	4.6	17
2006	Anthropogenic Exposure and Its Impact on Reproductive System of Fishes. , 2021, , 323-334.		1
2007	Emerging Threats of Microplastic Contaminant in Freshwater Environment. Environmental Challenges and Solutions, 2021, , 247-258.	0.5	2
2008	Plastics and e-Waste, a Threat to Water Systems. Environmental Chemistry for A Sustainable World, 2021, , 119-130.	0.3	1
2009	Current State of Microplastics Research in SAARC Countriesâ€”A Review. Sustainable Textiles, 2021, , 27-63.	0.4	4
2010	Emerging Microfiber Pollution and Its Remediation. Environmental and Microbial Biotechnology, 2021, , 247-266.	0.4	28
2011	Removal of toxic contaminants and the path ahead amidst challenges. , 2021, , 25-32.		0
2012	The fate of plastic in the ocean environment â€” a minireview. Environmental Sciences: Processes and Impacts, 2021, 23, 198-212.	1.7	120
2013	Microplastics in Industrial Wastewater Treatment Plants: Dynamic Distribution, Seasonal Variation, and Removal Efficiencies. Environmental Science and Engineering, 2021, , 103-113.	0.1	0
2014	The origin of microplastics of offshore discharge: A review in assessing the relationship between microplastics content and other contaminants. E3S Web of Conferences, 2021, 308, 01013.	0.2	0
2015	Natural Degradation on Plastics and Corrosion of Plastics in Industrial Environment. , 2022, , 956-986.		4
2016	Classification Study of Ingested Plastic Particles in Marine Organisms using Electron Microscope: A Case Study of Cameroon Beaches. International Journal of Advances in Scientific Research and Engineering, 2021, 07, 85-92.	0.0	0
2017	Immobilization of PETase enzymes on magnetic iron oxide nanoparticles for the decomposition of microplastic PET. Nanoscale Advances, 2021, 3, 4395-4399.	2.2	34
2018	Remediation of Water Pollution by Plastics. Environmental Chemistry for A Sustainable World, 2021, , 89-117.	0.3	3
2019	Distribution and Impact of Microplastics in the Aquatic Systems: A Review of Ecotoxicological Effects on Biota. Sustainable Textiles, 2021, , 65-104.	0.4	8
2020	Microplastics in the Freshwater Environment. , 2022, , 260-271.		2
2021	Identification of black microplastics using long-wavelength infrared hyperspectral imaging with imaging-type two-dimensional Fourier spectroscopy. Analytical Methods, 2021, 13, 647-659.	1.3	15

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2023	Soil Remediation Under Microplastics Pollution. , 2021, , 1-29.		0
2024	The occurrence of microplastics in gut contents of endemic barb Sahyadria chalakkudiensis (Menon,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Journal of Fisheries and Aquatic Studies, 2021, 9, 272-280.	0.1	0
2025	Assessment of marine microplastics in floating plastic debris using a fixed sampling device: the example of South Juhu creek, Mumbai coast, India. Journal of Coastal Conservation, 2021, 25, 1.	0.7	8
2026	Ligninâ€ŽZein Composite: Synthesis, Three-Dimensional Printing, and Microbial Degradation. ACS Sustainable Chemistry and Engineering, 2021, 9, 1781-1789.	3.2	17
2027	Bio-Based and Biodegradable Plastics. , 2021, , 149-174.		4
2028	Environmental Impact of Geosynthetics in Coastal Protection. Materials, 2021, 14, 634.	1.3	8
2029	Microplastics in urban wastewater and estuarine water: Importance of street runoff. Environmental Monitoring and Contaminants Research, 2021, 1, 54-65.	0.4	18
2030	Isolation of a soil bacterium for remediation of polyurethane and low-density polyethylene: a promising tool towards sustainable cleanup of the environment. 3 Biotech, 2021, 11, 29.	1.1	18
2031	Composition and Distribution of Marine Anthropogenic Litter in the Barents Sea. Oceanology, 2021, 61, 48-57.	0.3	8
2032	Review on Plastic Waste Disposal and Role of Microorganisms in Bioremediation of Plastics. Advances in Environmental Engineering and Green Technologies Book Series, 2021, , 236-247.	0.3	0
2033	Effects on Fertility and Reproductive Behavior From Environmental Contaminants in Extreme Environments. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 206-225.	0.1	0
2034	Microplastics in freshwater fishes: Occurrence, impacts and future perspectives. Fish and Fisheries, 2021, 22, 467-488.	2.7	63
2035	An absorbance method for analysis of enzymatic degradation kinetics of poly(ethylene terephthalate) films. Scientific Reports, 2021, 11, 928.	1.6	57
2036	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.	0.2	5
2037	Microplastic Pollution in Marine Environment: Occurrence, Fate, and Effects (With a Specific Focus) Tj ETQq1 1 0.784314 rgBT /Overlock 0,4 2		
2038	Size distribution measurement of microplastics using a temporally and spatially resolved inductively coupled plasma optical emission spectrometer (ICP-OES). Journal of Analytical Atomic Spectrometry, 2021, 36, 1594-1599.	1.6	4
2039	Morphometric effects of various weathered and virgin/pure microplastics on sac fry zebrafish (<i>Danio rerio</i>). AIMS Environmental Science, 2021, 8, 204-220.	0.7	3

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2041	Quantification of polystyrene plastics degradation using ¹⁴ C isotope tracer technique. <i>Methods in Enzymology</i> , 2021, 648, 121-136.	0.4	4
2042	Preventing masks from becoming the next plastic problem. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 125.	3.3	84
2043	Microplastic abundance, distribution, and composition in the surface water and sediments of the Yangtze River along Chongqing City, China. <i>Journal of Soils and Sediments</i> , 2021, 21, 1840-1851.	1.5	33
2044	Experimental Approaches for Characterizing the Endocrine-Disrupting Effects of Environmental Chemicals in Fish. <i>Frontiers in Endocrinology</i> , 2020, 11, 619361.	1.5	28
2045	Lensless digital holographic microscopy as an efficient method to monitor enzymatic plastic degradation. <i>Marine Pollution Bulletin</i> , 2021, 163, 111950.	2.3	9
2046	From Sampling to Analysis: A Critical Review of Techniques Used in the Detection of Micro- and Nanoplastics in Aquatic Environments. <i>ACS ES&T Water</i> , 2021, 1, 748-764.	2.3	27
2047	A Review on Interaction of Nanoplastics with Aquatic Environment and Organisms. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2021, 10, 3189-3200.	0.0	0
2048	Laboratory model for plastic fragmentation in the turbulent ocean. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	18
2049	From nanoplastic to microplastic: A bibliometric analysis on the presence of plastic particles in the environment. <i>Marine Pollution Bulletin</i> , 2021, 163, 111926.	2.3	58
2050	Spatial and temporal distribution of microplastic in surface water of tropical estuary: Case study in Benoa Bay, Bali, Indonesia. <i>Marine Pollution Bulletin</i> , 2021, 163, 111979.	2.3	61
2051	Microfiber abundance associated with coral tissue varies geographically on the Belize Mesoamerican Barrier Reef System. <i>Marine Pollution Bulletin</i> , 2021, 163, 111938.	2.3	20
2052	Microplastics in the Marine Environment: Sources, Fates, Impacts and Microbial Degradation. <i>Toxics</i> , 2021, 9, 41.	1.6	66
2053	Multi-Biomarker Responses of Asian Clam <i>Corbicula fluminea</i> (Bivalvia, Corbiculidea) to Cadmium and Microplastics Pollutants. <i>Water (Switzerland)</i> , 2021, 13, 394.	1.2	26
2054	Microplastics in wastewater treatment plants: Occurrence, fate and identification. <i>Chemical Engineering Research and Design</i> , 2021, 146, 77-84.	2.7	82
2055	Microplastic Mass Concentrations and Distribution in German Bight Waters by Pyrolysis-Gas Chromatography-Mass Spectrometry/Thermochemistry Reveal Potential Impact of Marine Coatings: Do Ships Leave Skid Marks?. <i>Environmental Science & Technology</i> , 2021, 55, 2285-2295.	4.6	77
2056	Microfibers from synthetic textiles as a major source of microplastics in the environment: A review. <i>Textile Research Journal</i> , 2021, 91, 2136-2156.	1.1	99
2057	Nanoporous Silicon as a Green, High-Tech Educational Tool. <i>Nanomaterials</i> , 2021, 11, 553.	1.9	14

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2058	A review of microplastic distribution in sediment profiles. <i>Marine Pollution Bulletin</i> , 2021, 163, 111973.	2.3	87
2059	Efficacy of Microplastic Separation Techniques on Seawater Samples: Testing Accuracy Using High-Density Polyethylene. <i>Biological Bulletin</i> , 2021, 240, 52-66.	0.7	13
2060	Experimental evidence of physiological and behavioral effects of microplastic ingestion in <i>Sparus aurata</i> . <i>Aquatic Toxicology</i> , 2021, 231, 105737.	1.9	51
2061	Microplastic Distribution in Soils from the Typical Sparsely Populated Area, Northwest China. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 668, 012026.	0.2	1
2062	Dark-field hyperspectral microscopy for label-free microplastics and nanoplastics detection and identification in <i>Ávivo</i> : A <i>Caenorhabditis elegans</i> study. <i>Environmental Pollution</i> , 2021, 271, 116337.	3.7	43
2063	Climate Change Implications of Bio-Based and Marine-Biodegradable Plastic: Evidence from Poly(3-hydroxybutyrate- <i>co</i> -3-hydroxyhexanoate). <i>Environmental Science & Technology</i> , 2021, 55, 3380-3388.	4.6	22
2064	Interaction between Styrofoam and Microalgae <i>Spirulina platensis</i> in Brackish Water System. <i>Toxics</i> , 2021, 9, 43.	1.6	5
2065	Micro and Nanoplastics analysis: Focus on their classification, sources, and impacts in marine environment. <i>Regional Studies in Marine Science</i> , 2021, 42, 101625.	0.4	15
2066	Perfluorooctane sulfonic acid (PFOS) adsorbed to polyethylene microplastics: Accumulation and ecotoxicological effects in the clam <i>Scrobicularia plana</i> . <i>Marine Environmental Research</i> , 2021, 164, 105249.	1.1	40
2067	Culture System for a Closer Biological Contact Between Macrophages and Microparticles. <i>Frontiers in Mechanical Engineering</i> , 2021, 7, .	0.8	1
2068	Impact of Microplastics and Nanoplastics on Human Health. <i>Nanomaterials</i> , 2021, 11, 496.	1.9	300
2069	Environmental Fate Modeling of Nanoplastics in a Salinity Gradient Using a Lab-on-a-Chip: Where Does the Nanoscale Fraction of Plastic Debris Accumulate?. <i>Environmental Science & Technology</i> , 2021, 55, 3001-3008.	4.6	24
2070	Microplastic ingestion in the black sea cucumber <i>Holothuria leucospilota</i> (Brandt, 1835) collected from Rambut Island, Seribu Islands, Jakarta, Indonesia. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1098, 052049.	0.3	5
2071	PlÁsticos no ambiente marinho frio: uma revisÃ£o sobre o potencial de biodegradaÃ§Ã£o microbiana. <i>Research, Society and Development</i> , 2021, 10, e49310313642.	0.0	0
2072	Microplastics can act as vector of the biocide triclosan exerting damage to freshwater microalgae. <i>Chemosphere</i> , 2021, 266, 129193.	4.2	36
2073	A temporal record of microplastic pollution in Mediterranean seagrass soils. <i>Environmental Pollution</i> , 2021, 273, 116451.	3.7	74
2074	Microplastics in beach sand and potential contamination of planktivorous fish &Sardinella gibbosa&; inhabiting in coastal waters of Negombo, Sri Lanka. <i>Sri Lanka Journal of Aquatic Sciences</i> , 2021, 26, 37-54.	0.4	21
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2093	Documentation of Microplastics in Tissues of Wild Coastal Animals. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	35
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2099	Analysis of small microplastics in coastal surface water samples of the subtropical island of Okinawa, Japan. <i>Science of the Total Environment</i> , 2021, 760, 143927.	3.9	41
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2105	Anthropogenic marine litter on the north coast of Cyprus: Insights into marine pollution in the eastern Mediterranean. <i>Marine Pollution Bulletin</i> , 2021, 165, 112167.	2.3	16
2106	The Effect of Wastewater Treatment Methods on the Retainment of Plastic Microparticles. , 0, , .		1
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2112	Global Modeled Sinking Characteristics of Biofouled Microplastic. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017098.	1.0	69
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#	ARTICLE	IF	CITATIONS
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2122	Dangerous Risk Factors to be Considered for Proper Management of Agroecosystems. , 0, , .		0
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2128	Microplastics in the Aquatic Environment: Occurrence, Persistence, Analysis, and Human Exposure. <i>Water (Switzerland)</i> , 2021, 13, 973.	1.2	56
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2130	A Review of Bioplastics and Their Adoption in the Circular Economy. <i>Polymers</i> , 2021, 13, 1229.	2.0	149
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#	ARTICLE	IF	CITATIONS
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2135	Plastic waste menace in Ghana, a serious threat to marine ecological diversity. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 725, 012006.	0.2	2
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2141	Fisherfolk's Perception of and Attitude to Solid Waste Disposal: Implications for Health, Aquatic Resources, and Sustainable Development. <i>Journal of Environmental and Public Health</i> , 2021, 2021, 1-12.	0.4	6
2142	Microplastics pollution of seafoods and processed seafood products distributed in Incheon area. <i>Korean Journal of Food Preservation</i> , 2021, 28, 161-168.	0.2	2
2143	Effects of acute microplastic exposure on physiological parameters in <i>Tubastrea aurea</i> corals. <i>Marine Pollution Bulletin</i> , 2021, 165, 112173.	2.3	34
2144	Microplastic pollution in Surabaya River Water and Aquatic Biota, Indonesia. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1143, 012054.	0.3	10
2145	Climate Change and Companion Animals: Identifying Links and Opportunities for Mitigation and Adaptation Strategies. <i>Integrative and Comparative Biology</i> , 2021, 61, 166-181.	0.9	14
2146	Tracking Marine Litter With a Global Ocean Model: Where Does It Go? Where Does It Come From?. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	61
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2148	Transgenerational effects on development following microplastic exposure in <i>Drosophila melanogaster</i> . <i>PeerJ</i> , 2021, 9, e11369.	0.9	20
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#	ARTICLE	IF	CITATIONS
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2151	Biodegradable PEDOT:PSS/Clay Composites for Multifunctional Green Electronic Materials. <i>Advanced Sustainable Systems</i> , 2022, 6, 2100056.	2.7	25
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2158	PAEs and PBDEs in plastic fragments and wetland sediments in Yangtze estuary. <i>Journal of Hazardous Materials</i> , 2021, 409, 124937.	6.5	41
2159	Impact of Microbial Colonization of Polystyrene Microbeads on the Toxicological Responses in the Sea Urchin <i>Paracentrotus lividus</i> . <i>Environmental Science & Technology</i> , 2021, 55, 7990-8000.	4.6	21
2160	Anthropogenic pollution in deep-marine sedimentary systems—A geological perspective on the plastic problem. <i>Geology</i> , 2021, 49, 607-608.	2.0	19
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2162	One water — evolving roles of our precious resource and critical challenges. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2021, 70, 467-482.	0.6	1
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2165	Exposure of coastal environments to river-sourced plastic pollution. <i>Science of the Total Environment</i> , 2021, 769, 145222.	3.9	67
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#	ARTICLE	IF	CITATIONS
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2171	Microplastic pollution and quantitative source apportionment in the Jiangsu coastal area, China. <i>Marine Pollution Bulletin</i> , 2021, 166, 112237.	2.3	29
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2177	Bridging Three Gaps in Biodegradable Plastics: Misconceptions and Truths About Biodegradation. <i>Frontiers in Chemistry</i> , 2021, 9, 671750.	1.8	35
2178	Inhibiting effects by Fe ₂ O ₃ on combustion and explosion characteristics of ABS resin. <i>Journal of Loss Prevention in the Process Industries</i> , 2021, 70, 104429.	1.7	3
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2180	Review of the artificially-accelerated aging technology and ecological risk of microplastics. <i>Science of the Total Environment</i> , 2021, 768, 144969.	3.9	108
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2182	Microplastic sampling techniques in freshwaters and sediments: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 4225-4252.	8.3	67
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2184	An insight into different microplastic detection methods. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 5721-5730.	1.8	34
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2186	Transcriptome sequencing and metabolite analysis reveal the toxic effects of nanoplastics on tilapia after exposure to polystyrene. <i>Environmental Pollution</i> , 2021, 277, 116860.	3.7	32
2187	Elevated CYP1A expression detected in pinfish collected from a coastal lagoon in the southern Texas Gulf Coast: indicative of exposure to microplastics or pollutants?. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32066-32073.	2.7	2

#	ARTICLE	IF	CITATIONS
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2189	Solid-Embedded Microplastics from Sewage Sludge to Agricultural Soils: Detection, Occurrence, and Impacts. <i>ACS ES&T Water</i> , 2021, 1, 1322-1333.	2.3	20
2190	Characteristics and Seasonal Distribution of Microplastics in the Surface Waters of Southwest Coast of the Caspian Sea (Guilan Province, Iran). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 671-676.	1.3	12
2191	Identification of microplastics using 4-(dimethylamino)-2-nitrostilbene solvatochromic fluorescence. <i>Microscopy Research and Technique</i> , 2021, 84, 2820-2831.	1.2	13
2192	Physisorption and Chemisorption Mechanisms Influencing Micro (Nano) Plastics-Organic Chemical Contaminants Interactions: A Review. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	91
2193	Suitability Analysis of Acoustic Refugia for Endangered Killer Whales (<i>Orcinus orca</i>) Using the GIS-based Logic Scoring of Preference Method. <i>Environmental Management</i> , 2021, 68, 262-278.	1.2	4
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2195	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.	3.9	67
2196	The Dual Role of Microplastics in Marine Environment: Sink and Vectors of Pollutants. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 642.	1.2	31
2197	Synthetic Lubricants Derived from Plastic Waste and their Tribological Performance. <i>ChemSusChem</i> , 2021, 14, 4181-4189.	3.6	25
2198	Microplastics in the Aquatic Environment—The Occurrence, Sources, Ecological Impacts, Fate, and Remediation Challenges. <i>Pollutants</i> , 2021, 1, 95-118.	1.0	27
2199	A percepção pública como instrumento de educação ambiental: Um estudo sobre microplásticos. <i>Research, Society and Development</i> , 2021, 10, e45210715411.	0.0	2
2200	The abundance and characteristics of microplastics in commonly consumed shellfish in the Jiangsu coastal region of China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 60753-60764.	2.7	15
2201	Bioactive Compounds of Nutraceutical Value from Fishery and Aquaculture Discards. <i>Foods</i> , 2021, 10, 1495.	1.9	33
2202	Microplastics in lakeshore and lakebed sediments—External influences and temporal and spatial variabilities of concentrations. <i>Environmental Research</i> , 2021, 197, 111141.	3.7	32
2203	Marine macroinvertebrates inhabiting plastic litter in Peru. <i>Marine Pollution Bulletin</i> , 2021, 167, 112296.	2.3	39
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#	ARTICLE	IF	CITATIONS
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2208	Microplastic particles in the aquatic environment: A systematic review. <i>Science of the Total Environment</i> , 2021, 775, 145793.	3.9	101
2209	Microplastics particles in seafloor sediments along the Arabian Sea and the Andaman Sea continental shelves: First insight on the occurrence, identification, and characterization. <i>Marine Pollution Bulletin</i> , 2021, 167, 112311.	2.3	27
2210	High frequency of micro- and meso-plastics ingestion in a sample of neonate sea turtles from a major rookery. <i>Marine Pollution Bulletin</i> , 2021, 167, 112363.	2.3	11
2211	Dynamics of semi- and neutrally-buoyant particles in thermally stratified turbulent channel flow. <i>International Journal of Multiphase Flow</i> , 2021, 139, 103595.	1.6	1
2212	A review on occurrence, characteristics, toxicology and treatment of nanoplastic waste in the environment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 43258-43273.	2.7	30
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2214	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.	3.9	37
2215	A Systematic Study on the Degradation Products Generated from Artificially Aged Microplastics. <i>Polymers</i> , 2021, 13, 1997.	2.0	38
2216	Subsurface dynamics of buoyant microplastics subject to algal biofouling. <i>Limnology and Oceanography</i> , 2021, 66, 3287-3299.	1.6	17
2217	Sulfide induces physical damages and chemical transformation of microplastics via radical oxidation and sulfide addition. <i>Water Research</i> , 2021, 197, 117100.	5.3	40
2218	Nanoplastics Identification in Complex Environmental Matrices: Strategies for Polystyrene and Polypropylene. <i>Environmental Science & Technology</i> , 2021, 55, 8753-8759.	4.6	57
2219	Current Progress on Marine Microplastics Pollution Research: A Review on Pollution Occurrence, Detection, and Environmental Effects. <i>Water (Switzerland)</i> , 2021, 13, 1713.	1.2	13
2220	Microplastics remediation in aqueous systems: Strategies and technologies. <i>Water Research</i> , 2021, 198, 117144.	5.3	84
2221	The impact of microplastic-microbe interactions on animal health and biogeochemical cycles: A mini-review. <i>Science of the Total Environment</i> , 2021, 773, 145697.	3.9	91
2222	Adsorption-desorption behavior of methylene blue onto aged polyethylene microplastics in aqueous environments. <i>Marine Pollution Bulletin</i> , 2021, 167, 112287.	2.3	67
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#	ARTICLE	IF	CITATIONS
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2225	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.	3.9	49
2226	Assessment of plastic pollution in the Bohai Sea: Abundance, distribution, morphological characteristics and chemical components. <i>Environmental Pollution</i> , 2021, 278, 116874.	3.7	27
2227	Assessment of microplastic accumulation in wild <i>Paracentrotus lividus</i> , a commercially important sea urchin species, in the Eastern Aegean Sea, Greece. <i>Regional Studies in Marine Science</i> , 2021, 45, 101855.	0.4	10
2228	Commercial Gilthead Seabream (<i>Sparus aurata</i> L.) from the Mar Menor Coastal Lagoon as Hotspots of Microplastic Accumulation in the Digestive System. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6844.	1.2	12
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2237	Pollution Characteristics of Microplastics in Mollusks from the Coastal Area of Yantai, China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 693-699.	1.3	23
2238	Improving the sustainable performance of Biopolymers using nanotechnology. <i>Polymer-Plastics Technology and Materials</i> , 0, , 1-31.	0.6	3
2240	Biodegradable Antimicrobial Films for Food Packaging: Effect of Antimicrobials on Degradation. <i>Foods</i> , 2021, 10, 1256.	1.9	33
2241	Bacterial community profiling of floating plastics from South Mediterranean sites: First evidence of effects on mussels as possible vehicles of transmission. <i>Journal of Hazardous Materials</i> , 2021, 411, 125079.	6.5	13
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2247	Notes on Common Misconceptions in Microplastics Removal from Water. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5833.	1.3	8
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2249	Accumulation of microplastics in a downstream area of a semi-enclosed bay: Implications of input from coastal currents. <i>Science of the Total Environment</i> , 2021, 791, 148280.	3.9	16
2250	Thermal and catalytic cracking of plastic waste: a review. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 5920-5937.	1.8	19
2251	Effects of Microplastics Exposure on the <i>Acropora</i> sp. Antioxidant, Immunization and Energy Metabolism Enzyme Activities. <i>Frontiers in Microbiology</i> , 2021, 12, 666100.	1.5	17
2252	Dispersal and transport of microplastics in river sediments. <i>Environmental Pollution</i> , 2021, 279, 116884.	3.7	78
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2259	Microplastic pollution in Marine Protected Areas of Southern Sri Lanka. <i>Marine Pollution Bulletin</i> , 2021, 168, 112462.	2.3	24
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2273	Development of a fast and efficient method to analyze microplastics in planktonic samples. Marine Pollution Bulletin, 2021, 168, 112379.	2.3	22
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2302	Comparative evaluation of high-density polyethylene and polystyrene microplastics pollutants: Uptake, elimination and effects in mussel. <i>Marine Environmental Research</i> , 2021, 169, 105329.	1.1	21
2303	From the ocean to jellies forth and back? Microplastics along the commercial life cycle of red algae. <i>Marine Pollution Bulletin</i> , 2021, 168, 112402.	2.3	13
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2306	Occurrence and ecological impact of microplastics in aquaculture ecosystems. <i>Chemosphere</i> , 2021, 274, 129989.	4.2	116
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2308	Effect of Polystyrene Microplastics on Rice Seed Germination and Antioxidant Enzyme Activity. <i>Toxics</i> , 2021, 9, 179.	1.6	58
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2329	Analysis of microplastic concentrations in water and bottom sediments as a new aspect of ecological monitoring. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 834, 012057.	0.2	1
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2350	Adverse effect of polystyrene microplastics (PS-MPs) on tube formation and viability of human umbilical vein endothelial cells. <i>Food and Chemical Toxicology</i> , 2021, 154, 112356.	1.8	51
2351	ANALISIS KANDUNGAN MIKROPLASTIK PADA USUS IKAN TUNA MATA BESAR (<i>Thunnus obesus</i>) YANG DIDARATKAN DI PELABUHAN IKAN WAKATOBI. <i>Jurnal Ilmu Dan Teknologi Kelautan Tropis</i> , 2021, 13, 333-343.	0.1	2
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2486	Comparative toxic effects of microplastics and nanoplastics on <i>Chlamydomonas reinhardtii</i> : Growth inhibition, oxidative stress, and cell morphology. <i>Journal of Water Process Engineering</i> , 2021, 43, 102291.	2.6	49
2487	Comprehensive assessment of factors influencing Nile red staining: Eliciting solutions for efficient microplastics analysis. <i>Marine Pollution Bulletin</i> , 2021, 171, 112698.	2.3	19
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2491	A framework for the assessment of marine litter impacts in life cycle impact assessment. <i>Ecological Indicators</i> , 2021, 129, 107918.	2.6	87
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2507	Sinking characteristics of microplastics in the marine environment. <i>Science of the Total Environment</i> , 2021, 793, 148526.	3.9	38
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2512	Total-organic-carbon-based quantitative estimation of microplastics in sewage. <i>Chemical Engineering Journal</i> , 2021, 423, 130182.	6.6	23
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2518	Plastic habitats: Algal biofilms on photic and aphotic plastics. <i>Journal of Hazardous Materials Letters</i> , 2021, 2, 100038.	2.0	9
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2522	Exposure to metals premixed with microplastics increases toxicity through bioconcentration and impairs antioxidant defense and cholinergic response in a marine mysid. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 249, 109142.	1.3	12
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2525	Improved Raman spectroscopy-based approach to assess microplastics in seafood. <i>Environmental Pollution</i> , 2021, 289, 117648.	3.7	35
2526	Microplastic ingestion by Atlantic horse mackerel (<i>Trachurus trachurus</i>) in the North and central Moroccan Atlantic coast between Larache (35°30'N) and Boujdour (26°30'N). <i>Environmental Pollution</i> , 2021, 288, 117781.	3.7	17
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3215	Attachment of positively and negatively charged submicron polystyrene plastics on nine typical soils. <i>Journal of Hazardous Materials</i> , 2022, 431, 128566.	6.5	21
3216	The adverse health effects of increasing microplastic pollution on aquatic mammals. <i>Journal of King Saud University - Science</i> , 2022, 34, 102006.	1.6	13
3217	Emerging microplastics in the environment: Properties, distributions, and impacts. <i>Chemosphere</i> , 2022, 297, 134118.	4.2	43
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3219	Alteration in microbial community and antibiotic resistance genes mediated by microplastics during wastewater ultraviolet disinfection. <i>Science of the Total Environment</i> , 2022, 825, 153918.	3.9	12
3220	The characteristics of dissolved organic matter release from UV-aged microplastics and its cytotoxicity on human colonic adenocarcinoma cells. <i>Science of the Total Environment</i> , 2022, 826, 154177.	3.9	27
3221	The fate of missing ocean plastics: Are they just a marine environmental problem?. <i>Science of the Total Environment</i> , 2022, 825, 153935.	3.9	47
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3225	Ageing and fragmentation of marine microplastics. <i>Science of the Total Environment</i> , 2022, 827, 154438.	3.9	46
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3227	Conceptualisation of multiple impacts interacting in the marine environment using marine infrastructure as an example. <i>Science of the Total Environment</i> , 2022, 830, 154748.	3.9	13
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3307	Source, fate and management of recreational fishing marine debris. <i>Marine Pollution Bulletin</i> , 2022, 178, 113500.	2.3	8
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3385	Chronic Microplastic Exposure and Cadmium Accumulation in Blue Crabs. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5631.	1.2	1
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3408	Occurrence, behaviour and fate of airborne microplastics. , 2022, , 151-167.		1
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3726	Mass quantification of microplastic at wastewater treatment plants by pyrolysis-gas chromatographyâ€“mass spectrometry. <i>Science of the Total Environment</i> , 2023, 856, 159251.	3.9	24
3727	Polymer aging affects the bioavailability of microplastics-associated contaminants in sea urchin embryos. <i>Chemosphere</i> , 2022, 309, 136720.	4.2	4
3728	Testing citizen science as a tool for monitoring surface water microplastics. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	6
3729	Anthropocene microplastic stratigraphy of Xiamen Bay, China: A history of plastic production and waste management. <i>Water Research</i> , 2022, 226, 119215.	5.3	10
3730	Microplastic particle trapping through microfluidic devices with different shaped pillars. <i>Chemical Engineering Science</i> , 2022, 264, 118163.	1.9	6
3731	First assessment of anthropogenic impacts in submarine canyon systems off southwestern Australia. <i>Science of the Total Environment</i> , 2022, , 159243.	3.9	3
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3733	Biodegradation of renewable polyurethane foams in marine environments occurs through depolymerization by marine microorganisms. <i>Science of the Total Environment</i> , 2022, 850, 158761.	3.9	16
3734	Biodegradability under marine conditions of bio-based and petroleum-based polymers as substitutes of conventional microparticles. <i>Polymer Degradation and Stability</i> , 2022, 206, 110159.	2.7	17
3735	Microplastics in surface sediments of a highly urbanized wetland. <i>Environmental Pollution</i> , 2022, 314, 120276.	3.7	15
3736	PUBLIC AWARENESS, KNOWLEDGE, ATTITUDE AND PERCEPTION ON MICROPLASTICS POLLUTION AROUND LAGOS LAGOON. <i>Ecological Safety and Balanced Use of Resources</i> , 2022, , 35-46.	0.0	3
3737	EFFECT OF THE SHAPE OF SYNTHETIC FIBERS COMPRISED THE SUBSTRATES ON THE HABITAT FOR JAPANESE SPINY LOBSTER. <i>Journal of Japan Society of Civil Engineers Ser B3 (Ocean Engineering)</i> , 2022, 78, I_715-I_720.	0.0	0
3738	Curvilinear Magnetic Architectures for Biomedical Engineering. <i>Topics in Applied Physics</i> , 2022, , 305-341.	0.4	0
3739	Zinc 8-aminotrihydroquinolines appended with pendant <i>N</i>-diphenylphosphinoethyl arms as exceptionally active catalysts for the ROP of Î¼-CL. <i>Catalysis Science and Technology</i> , 2022, 12, 6687-6703.	2.1	4
3740	Pharmaceutical and Microplastic Pollution before and during the COVID-19 Pandemic in Surface Water, Wastewater, and Groundwater. <i>Water (Switzerland)</i> , 2022, 14, 3082.	1.2	9
3741	Can Microplastic Pollution Change Soil-Water Dynamics? Results from Controlled Laboratory Experiments. <i>Water (Switzerland)</i> , 2022, 14, 3430.	1.2	2
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3745	Microplastic particles are phagocytosed in gill cells of deep-sea and coastal mussels. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	3
3746	Current status and trends of research on microplastic fugacity characteristics and pollution levels in mangrove wetlands. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	0
3747	Microplastic contamination of sediments across and within three beaches in western Lake Superior. <i>Journal of Great Lakes Research</i> , 2022, 48, 1563-1572.	0.8	2
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3751	Spatial and seasonal distribution of microplastic in surface water of Bueng Boraphet Wetlandâ€”a Ramsar wetland in Thailand. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	3
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3755	Microplastics in sediments of the Pantanal Wetlands, Brazil. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	7
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3760	Drifting marine plastics as new ecological habitats for harmful eukaryotic microbial communities in Jeju Strait, Korea. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	3

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3763	Binding Between Antibiotics and Polystyrene Nanoparticles Examined by NMR. <i>ACS Environmental Au</i> , 0, , .	3.3	1
3765	Seaweed farming for food and nutritional security, climate change mitigation and adaptation, and women empowerment: A review. <i>Aquaculture and Fisheries</i> , 2023, 8, 463-480.	1.2	21
3767	Hemp Shives Mycelium Composites - An Alternative Material for Traditionally Used Plastic Packaging. <i>Materials Science Forum</i> , 0, 1071, 126-138.	0.3	0
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3773	Degradation and fragmentation behavior of polypropylene and polystyrene in water. <i>Scientific Reports</i> , 2022, 12, .	1.6	7
3774	Determining the Properties that Govern Selective Ingestion and Egestion of Microplastics by the Blue Mussel (<i>Mytilus edulis</i>) and Eastern Oyster (<i>Crassostrea virginica</i>). <i>Environmental Science & Technology</i> , 2022, 56, 15770-15779.	4.6	7
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3783	Aged microplastics enhance their interaction with ciprofloxacin and joint toxicity on <i>Escherichia coli</i> . <i>Ecotoxicology and Environmental Safety</i> , 2022, 247, 114218.	2.9	11
3784	Cryogrinding and sieving techniques as challenges towards producing controlled size range microplastics for relevant ecotoxicological tests. <i>Environmental Pollution</i> , 2022, 315, 120383.	3.7	9
3785	Contamination of sea surface water offshore the Tokai region and Tokyo Bay in Japan by small microplastics. <i>Marine Pollution Bulletin</i> , 2022, 185, 114245.	2.3	18
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3787	Unravelling macroplastic pollution in seagrass beds of Iligan City, Mindanao, Philippines. <i>Marine Pollution Bulletin</i> , 2022, 185, 114233.	2.3	14
3788	Monitoring macroplastic ingestion by birds and marine mammals in northeastern Patagonia, Argentina. <i>Marine Pollution Bulletin</i> , 2022, 185, 114288.	2.3	4
3789	Sentinel species selection for monitoring microplastic pollution: A review on one health approach. <i>Ecological Indicators</i> , 2022, 145, 109587.	2.6	68
3790	A long-term field experiment confirms the necessity of improving biowaste sorting to decrease coarse microplastic inputs in compost amended soils. <i>Environmental Pollution</i> , 2022, 315, 120369.	3.7	7
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3801	Microplastic materials in the environment: Problem and strategical solutions. <i>Progress in Materials Science</i> , 2023, 132, 101035.	16.0	44
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3803	Chapter 1. Occurrence of ENPs and Nanoplastics in Different Environmental Compartments: An Overview. <i>Chemistry in the Environment</i> , 2022, , 1-14.	0.2	0
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3805	Microplastic accelerate the phosphorus-related metabolism of bacteria to promote the decomposition of methylphosphonate to methane. <i>Science of the Total Environment</i> , 2023, 858, 160020.	3.9	5
3806	Microplastic dynamics in a free water surface constructed wetland. <i>Science of the Total Environment</i> , 2023, 858, 160113.	3.9	21
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3808	Microplastics in urban catchments: Review of sources, pathways, and entry into stormwater. <i>Science of the Total Environment</i> , 2023, 858, 159781.	3.9	19
3809	Ä°Äme SularÄ± ve GÄ±dalarda Mikroplastikler. Ä°deal Kent, 2022, 15, 110-115.	0.1	0
3810	Microplastics in Ship Sewage and Solutions to Limit Their Spread: A Case Study. <i>Water (Switzerland)</i> , 2022, 14, 3701.	1.2	2
3811	Spin-Trapping Analysis of the Thermal Degradation Reaction of Polyamide 66. <i>Polymers</i> , 2022, 14, 4748.	2.0	3
3812	Assessment of Three Automated Identification Methods for Ground Object Based on UAV Imagery. <i>Sustainability</i> , 2022, 14, 14603.	1.6	1
3813	Occurrence of Anthropogenic Debris in Three Commercial Shrimp Species from South-Western Ionian Sea. <i>Biology</i> , 2022, 11, 1616.	1.3	3
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3816	The Effect of Humic Acid and Polystyrene Fluorescence Nanoplastics on <i>Solanum lycopersicum</i> Environmental Behavior and Phytotoxicity. <i>Plants</i> , 2022, 11, 3000.	1.6	4
3817	Human health risk and food safety implications of microplastic consumption by fish from coastal waters of the eastern equatorial Atlantic Ocean. <i>Food Control</i> , 2023, 145, 109503.	2.8	7

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3819	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, .	1.1	6
3820	Microplastics Derived from Commercial Fishing Activities. , 0, , .		0
3821	Microplastics in gastric samples from common bottlenose dolphins (<i>Tursiops truncatus</i>) residing in Sarasota Bay FL (USA). <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	4
3822	Effect of size continuum from nanoplastics to microplastics on marine mussel <i>Mytilus edulis</i> : Comparison in vitro/in vivo exposure scenarios. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2023, 264, 109512.	1.3	6
3823	Polyethylene microplastics increases the tissue damage caused by 4-nonylphenol in the common carp (<i>Cyprinus carpio</i>) juvenile. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	5
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3825	Investigation of microplastic contamination in the sediments of Noyyal River- Southern India. <i>Journal of Hazardous Materials Advances</i> , 2022, 8, 100198.	1.2	6
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3829	Contaminants disrupt aquatic food webs via decreased consumer efficiency. <i>Science of the Total Environment</i> , 2023, 859, 160245.	3.9	2
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3831	Removing microplastics from aquatic environments: A critical review. <i>Environmental Science and Ecotechnology</i> , 2023, 13, 100222.	6.7	16
3832	Assessment of microplastics as contaminants in a coal mining region. <i>Heliyon</i> , 2022, 8, e11666.	1.4	4
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3837	Unraveling the potential human health risks from used disposable face mask-derived micro/nanoplastics during the COVID-19 pandemic scenario: A critical review. <i>Environment International</i> , 2022, 170, 107644.	4.8	19
3838	The Plasticene: Time and rocks. <i>Marine Pollution Bulletin</i> , 2022, 185, 114358.	2.3	16
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3840	Detection of microplastics and phthalic acid esters in sea urchins from Sardinia (Western Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 582 Td	2.3	7
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3843	Sponges as libraries: Increase in microplastics in <i>Cinachyrella alloclada</i> after 36 years. <i>Marine Pollution Bulletin</i> , 2022, 185, 114339.	2.3	7
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3847	Continuous long-term monitoring of leaching from microplastics into ambient water – A multi-endpoint approach. <i>Journal of Hazardous Materials</i> , 2023, 444, 130424.	6.5	4
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3849	Particulate plastics in drinking water and potential human health effects: Current knowledge for management of freshwater plastic materials in Africa. <i>Environmental Pollution</i> , 2023, 316, 120714.	3.7	6
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3852	Assessment and accumulation of microplastics in sewage sludge at wastewater treatment plants located in Cádiz, Spain. <i>Environmental Pollution</i> , 2023, 317, 120689.	3.7	12
3853	Polymer and its effect on environment. <i>Journal of the Indian Chemical Society</i> , 2023, 100, 100821.	1.3	2
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3859	Detection of microplastic particles in scats from different colonies of California sea lions (<i>Zalophus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 186, 114433.	2.3	7
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3863	Synthesis of platinum nanoparticles on strontium titanate nanocuboids<i>via</i> surface organometallic grafting for the catalytic hydrogenolysis of plastic waste. <i>Journal of Materials Chemistry A</i> , 2023, 11, 1216-1231.	5.2	10
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3866	Microplastics Pollution: A Brief Review of Its Source and Abundance in Different Aquatic Ecosystems. <i>Journal of Hazardous Materials Advances</i> , 2023, 9, 100215.	1.2	11
3867	Removal of drug dexamethasone from aqueous matrices using low frequency ultrasound: Kinetics, transformation products, and effect of microplastics. <i>Journal of Environmental Management</i> , 2023, 328, 117007.	3.8	7
3868	Abundance and distribution of microplastics in surface waters of the Kattegat/ Skagerrak (Denmark). <i>Environmental Pollution</i> , 2023, 318, 120853.	3.7	14
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4109	Revisão da literatura sobre os eventos de degradação e adsorção em microplásticos primários e secundários. <i>Conjeturas</i> , 2023, 23, 368-390.	0.0	3
4110	Aerosols as Vectors for Contaminants: A Perspective Based on Outdoor Aerosol Data from Kuwait. <i>Atmosphere</i> , 2023, 14, 470.	1.0	3
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