

Distribution and importance of microplastics in the ma sources, fate, effects, and potential solutions

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Screening of <i>Bacillus</i> strains isolated from mangrove ecosystems in Peninsular Malaysia for microplastic degradation. <i>Environmental Pollution</i> , 2017, 231, 1552-1559.	3.7	332
2	Transport of microplastics in coastal seas. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 199, 74-86.	0.9	457
3	A new analytical technique for the extraction and quantification of microplastics in marine sediments focused on easy implementation and repeatability. <i>Analytical Methods</i> , 2017, 9, 6371-6378.	1.3	25
4	Commentary: Tissue accumulation of microplastics in mice and biomarker responses suggest widespread health risks of exposure. <i>Frontiers in Environmental Science</i> , 2017, 5, .	1.5	14
5	Microplastics in sediments from the littoral zone of the north Tunisian coast (Mediterranean Sea). <i>Estuarine, Coastal and Shelf Science</i> , 2018, 205, 1-9.	0.9	182
6	Microplastics in oysters <i>Saccostrea cucullata</i> along the Pearl River Estuary, China. <i>Environmental Pollution</i> , 2018, 236, 619-625.	3.7	235
7	Mitigation measures to avert the impacts of plastics and microplastics in the marine environment (a) Tj ETQq0 0 0 rgrBT /Overlock 10 Tf 2.7 102	2.7	102
8	Marine environment microfiber contamination: Global patterns and the diversity of microparticle origins. <i>Environmental Pollution</i> , 2018, 237, 275-284.	3.7	320
9	Contamination of table salts from Turkey with microplastics. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 1006-1014.	1.1	161
10	Microplastics in different tissues of fish and prawn from the Musa Estuary, Persian Gulf. <i>Chemosphere</i> , 2018, 205, 80-87.	4.2	445
11	Fast microplastics identification with stimulated Raman scattering microscopy. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1136-1144.	1.2	100
12	Microplastic at nesting grounds used by the northern Gulf of Mexico loggerhead recovery unit. <i>Marine Pollution Bulletin</i> , 2018, 131, 32-37.	2.3	46
13	Microplastics on sandy beaches of the Baja California Peninsula, Mexico. <i>Marine Pollution Bulletin</i> , 2018, 131, 63-71.	2.3	122
14	Dissolved organic carbon leaching from plastics stimulates microbial activity in the ocean. <i>Nature Communications</i> , 2018, 9, 1430.	5.8	402
15	Two forage fishes as potential conduits for the vertical transfer of microfibres in Northeastern Pacific Ocean food webs. <i>Environmental Pollution</i> , 2018, 239, 215-222.	3.7	66
16	Microplastic in two South Carolina Estuaries: Occurrence, distribution, and composition. <i>Marine Pollution Bulletin</i> , 2018, 128, 223-233.	2.3	237
17	Microplastics in freshwater systems: A review on occurrence, environmental effects, and methods for microplastics detection. <i>Water Research</i> , 2018, 137, 362-374.	5.3	1,259
18	Biotechnology advances for dealing with environmental pollution by micro(nano)plastics: Lessons on theory and practices. <i>Current Opinion in Environmental Science and Health</i> , 2018, 1, 30-35.	2.1	46

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19	Microplastics and Human Health: Our Great Future to Think About Now. <i>Journal of Medical Toxicology</i> , 2018, 14, 117-119.	0.8	52
20	Microplastic pollution in North Yellow Sea, China: Observations on occurrence, distribution and identification. <i>Science of the Total Environment</i> , 2018, 636, 20-29.	3.9	281
21	Microplastic pollution in China's inland water systems: A review of findings, methods, characteristics, effects, and management. <i>Science of the Total Environment</i> , 2018, 630, 1641-1653.	3.9	321
22	Fate of Nanoplastics in Marine Larvae: A Case Study Using Barnacles, <i>Amphibalanus amphitrite</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6932-6940.	3.2	86
23	Microplastics in a wind farm area: A case study at the Rudong Offshore Wind Farm, Yellow Sea, China. <i>Marine Pollution Bulletin</i> , 2018, 128, 466-474.	2.3	84
24	The implications of water extractable organic matter (WEOM) on the sorption of typical parent, alkyl and N/O/S-containing polycyclic aromatic hydrocarbons (PAHs) by microplastics. <i>Ecotoxicology and Environmental Safety</i> , 2018, 156, 176-182.	2.9	19
25	No increase in marine microplastic concentration over the last three decades – A case study from the Baltic Sea. <i>Science of the Total Environment</i> , 2018, 621, 1272-1279.	3.9	152
26	Investigating a probable relationship between microplastics and potentially toxic elements in fish muscles from northeast of Persian Gulf. <i>Environmental Pollution</i> , 2018, 232, 154-163.	3.7	263
27	Sorption of three synthetic musks by microplastics. <i>Marine Pollution Bulletin</i> , 2018, 126, 606-609.	2.3	83
28	Microplastics reduced posterior segment regeneration rate of the polychaete <i>Perinereis aibuhitensis</i> . <i>Marine Pollution Bulletin</i> , 2018, 129, 782-786.	2.3	44
29	Changes in tetracycline partitioning and bacteria/phage-mediated ARGs in microplastic-contaminated greenhouse soil facilitated by sphorolipid. <i>Journal of Hazardous Materials</i> , 2018, 345, 131-139.	6.5	146
30	PET microplastics do not negatively affect the survival, development, metabolism and feeding activity of the freshwater invertebrate <i>Gammarus pulex</i> . <i>Environmental Pollution</i> , 2018, 234, 181-189.	3.7	173
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32	Exposure of soil collembolans to microplastics perturbs their gut microbiota and alters their isotopic composition. <i>Soil Biology and Biochemistry</i> , 2018, 116, 302-310.	4.2	385
33	Brominated Flame Retardants, Microplastics, and Biocides in the Marine Environment: Recent Updates of Occurrence, Analysis, and Impacts. <i>Advances in Marine Biology</i> , 2018, 81, 167-211.	0.7	15
34	Biochemodynamic Features of Metal Ions Bound by Micro- and Nano-Plastics in Aquatic Media. <i>Frontiers in Chemistry</i> , 2018, 6, 627.	1.8	55
35	Biodegradation of Microplastic Derived from Poly(ethylene terephthalate) with Bacterial Whole-Cell Biocatalysts. <i>Polymers</i> , 2018, 10, 1326.	2.0	100
36	Occurrence of microplastics in municipal sewage treatment plants: a review. <i>Environmental Health and Toxicology</i> , 2018, 33, e2018013.	1.8	67

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38	Double trouble in the South Pacific subtropical gyre: Increased plastic ingestion by fish in the oceanic accumulation zone. <i>Marine Pollution Bulletin</i> , 2018, 136, 547-564.	2.3	122
39	Microplastic pollution in surface sediments of urban water areas in Changsha, China: Abundance, composition, surface textures. <i>Marine Pollution Bulletin</i> , 2018, 136, 414-423.	2.3	183
40	Review on microplastic studies in Brazilian aquatic ecosystems. <i>Ocean and Coastal Management</i> , 2018, 165, 385-400.	2.0	54
41	Zebrafish Early Life Stages for Toxicological Screening: Insights From Molecular and Biochemical Markers. <i>Advances in Molecular Toxicology</i> , 2018, , 151-179.	0.4	27
42	Characterization, source, and retention of microplastic in sandy beaches and mangrove wetlands of the Qinzhou Bay, China. <i>Marine Pollution Bulletin</i> , 2018, 136, 401-406.	2.3	192
43	The use of European shag pellets as indicators of microplastic fibers in the marine environment. <i>Marine Pollution Bulletin</i> , 2018, 137, 444-448.	2.3	30
44	Occurrence, sources, human health impacts and mitigation of microplastic pollution. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36046-36063.	2.7	365
45	Microplastic in marine organism: Environmental and toxicological effects. <i>Environmental Toxicology and Pharmacology</i> , 2018, 64, 164-171.	2.0	481
46	Trapping of plastics in semi-enclosed seas: Insights from the Bohai Sea, China. <i>Marine Pollution Bulletin</i> , 2018, 137, 509-517.	2.3	37
47	Comparison of Raman and Fourier Transform Infrared Spectroscopy for the Quantification of Microplastics in the Aquatic Environment. <i>Environmental Science & Technology</i> , 2018, 52, 13279-13288.	4.6	251
48	Microplastics increase mercury bioconcentration in gills and bioaccumulation in the liver, and cause oxidative stress and damage in <i>Dicentrarchus labrax</i> juveniles. <i>Scientific Reports</i> , 2018, 8, 15655.	1.6	164
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50	Microplastics in the aquatic environment: Evidence for or against adverse impacts and major knowledge gaps. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2776-2796.	2.2	458
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53	Textural, surface and chemical properties of polyvinyl chloride particles degraded in a simulated environment. <i>Marine Pollution Bulletin</i> , 2018, 133, 392-401.	2.3	39
54	Are ocean conditions and plastic debris resulting in a "double whammy"™ for marine birds?. <i>Marine Pollution Bulletin</i> , 2018, 133, 684-692.	2.3	18

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56	Toxicities of polystyrene nano- and microplastics toward marine bacterium <i>Halomonas alkaliphila</i> . <i>Science of the Total Environment</i> , 2018, 642, 1378-1385.	3.9	248
57	Colonization of Non-biodegradable and Biodegradable Plastics by Marine Microorganisms. <i>Frontiers in Microbiology</i> , 2018, 9, 1571.	1.5	190
58	Polystyrene microplastics alter the behavior, energy reserve and nutritional composition of marine jacobever (<i>Sebastes schlegelii</i>). <i>Journal of Hazardous Materials</i> , 2018, 360, 97-105.	6.5	295
59	Microplastics in Small Waterbodies and Tadpoles from Yangtze River Delta, China. <i>Environmental Science & Technology</i> , 2018, 52, 8885-8893.	4.6	188
60	Macro- and micro- plastics in soil-plant system: Effects of plastic mulch film residues on wheat (<i>Triticum aestivum</i>) growth. <i>Science of the Total Environment</i> , 2018, 645, 1048-1056.	3.9	711
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62	Garbage in guano? Microplastic debris found in faecal precursors of seabirds known to ingest plastics. <i>Science of the Total Environment</i> , 2018, 644, 1477-1484.	3.9	142
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66	Preferential accumulation of small ($\leq 1/4\text{m}$) microplastics in the sediments of a coastal plain river network in eastern China. <i>Water Research</i> , 2018, 144, 393-401.	5.3	160
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75	Feeding and metabolism effects of three common microplastics on <i>Tenebrio molitor</i> L.. <i>Environmental Geochemistry and Health</i> , 2019, 41, 17-26.	1.8	35
76	Micro- and Macroplastics in Aquatic Ecosystems. , 2019, , 116-125.		3
77	The sea urchin <i>Paracentrotus lividus</i> as a bioeroder of plastic. <i>Science of the Total Environment</i> , 2019, 693, 133621.	3.9	36
78	From Macroplastic to Microplastic Litter: Occurrence, Composition, Source Identification and Interaction with Aquatic Organisms. Experiences from the Adriatic Sea. , 2019, , .		12
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80	The two faces of nanomaterials: A quantification of hormesis in algae and plants. <i>Environment International</i> , 2019, 131, 105044.	4.8	104
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90	The spatial distribution of microplastic in the sands of a coral reef island in the South China Sea: Comparisons of the fringing reef and atoll. <i>Science of the Total Environment</i> , 2019, 688, 780-786.	3.9	50

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101	Monitoring metal-amyloid-2 complexation by a FRET-based probe: design, detection, and inhibitor screening. <i>Chemical Science</i> , 2019, 10, 1000-1007.	3.7	13
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106	Bacterial Candidates for Colonization and Degradation of Marine Plastic Debris. <i>Environmental Science & Technology</i> , 2019, 53, 11636-11643.	4.6	178
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108	Depuration reduces microplastic content in wild and farmed mussels. <i>Marine Pollution Bulletin</i> , 2019, 140, 241-247.	2.3	112
109	Can plastics affect near surface layer ocean processes and climate?. <i>Marine Pollution Bulletin</i> , 2019, 140, 274-280.	2.3	20

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111	Microplastic pollution in estuaries across a gradient of human impact. <i>Environmental Pollution</i> , 2019, 247, 457-466.	3.7	139
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129	Ingestion of microplastics by fish and other prey organisms of cetaceans, exemplified for two large baleen whale species. <i>Marine Pollution Bulletin</i> , 2019, 144, 224-234.	2.3	41
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136	Plastics, Micro- and Nanomaterials, and Virus-Soil Microbe-Plant Interactions in the Environment. <i>Nanotechnology in the Life Sciences</i> , 2019, , 83-101.	0.4	6
137	Microplastic ingestion in deep-sea fish from the South China Sea. <i>Science of the Total Environment</i> , 2019, 677, 493-501.	3.9	145
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143	Microplastics in drinking water treatment – Current knowledge and research needs. <i>Science of the Total Environment</i> , 2019, 667, 730-740.	3.9	263
144	Microplastics in the marine environment: Current trends in environmental pollution and mechanisms of toxicological profile. <i>Environmental Toxicology and Pharmacology</i> , 2019, 68, 61-74.	2.0	481
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