

Microplastics in the aquatic and terrestrial environment

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Microplastics in Aquatic Environments and Their Toxicological Implications for Fish. , 0, , .		18
2	Wastewater treatment plant effluent as a source of microplastics: review of the fate, chemical interactions and potential risks to aquatic organisms. <i>Water Science and Technology</i> , 2016, 74, 2253-2269.	1.2	238
3	Release of 14C-labelled carbon nanotubes from polycarbonate composites. <i>Environmental Pollution</i> , 2016, 215, 356-365.	3.7	25
4	Effects of microplastics on European flat oysters, <i>Ostrea edulis</i> and their associated benthic communities. <i>Environmental Pollution</i> , 2016, 216, 95-103.	3.7	265
5	(Nano)plastics in the environment – Sources, fates and effects. <i>Science of the Total Environment</i> , 2016, 566-567, 15-26.	3.9	725
6	Anthropogenic microfibres pollution in marine biota. A new and simple methodology to minimize airborne contamination. <i>Marine Pollution Bulletin</i> , 2016, 113, 55-61.	2.3	130
7	Hazardous or not – Are adult and juvenile individuals of <i>Potamopyrgus antipodarum</i> affected by non-buoyant microplastic particles?. <i>Environmental Pollution</i> , 2016, 218, 383-391.	3.7	81
8	Microplastic Ingestion by Wild and Cultured Manila Clams (<i>Venerupis philippinarum</i>) from Baynes Sound, British Columbia. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 71, 147-156.	2.1	227
9	Plastic mulching in agriculture. Trading short-term agronomic benefits for long-term soil degradation?. <i>Science of the Total Environment</i> , 2016, 550, 690-705.	3.9	977
10	Microplastics in freshwater and terrestrial environments: Evaluating the current understanding to identify the knowledge gaps and future research priorities. <i>Science of the Total Environment</i> , 2017, 586, 127-141.	3.9	2,188
11	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2016. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 107-145.	1.6	62
12	Assessing the biodegradability of microparticles disposed down the drain. <i>Chemosphere</i> , 2017, 175, 452-458.	4.2	13
13	Fast identification of microplastics in complex environmental samples by a thermal degradation method. <i>Chemosphere</i> , 2017, 174, 572-584.	4.2	421
15	Current understanding of microplastics in the environment: Occurrence, fate, risks, and what we should do. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 476-482.	1.6	188
16	Advancing the quality of environmental microplastic research. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1697-1703.	2.2	131
17	Microplastics Affect the Ecological Functioning of an Important Biogenic Habitat. <i>Environmental Science & Technology</i> , 2017, 51, 68-77.	4.6	184
18	Morphological and Physical Characterization of Microplastics. <i>Comprehensive Analytical Chemistry</i> , 2017, 75, 49-66.	0.7	46
19	Microplastics in the surface sediments from the Beijiang River littoral zone: Composition, abundance, surface textures and interaction with heavy metals. <i>Chemosphere</i> , 2017, 171, 248-258.	4.2	567

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20	Field evidence for transfer of plastic debris along a terrestrial food chain. <i>Scientific Reports</i> , 2017, 7, 14071.	1.6	523
21	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
22	Ingestion and Egestion of Microplastics by the Cladoceran <i>Daphnia magna</i> : Effects of Regular and Irregular Shaped Plastic and Sorbed Phenanthrene. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 655-661.	1.3	175
23	Assuring quality in microplastic monitoring: About the value of clean-air devices as essentials for verified data. <i>Scientific Reports</i> , 2017, 7, 5424.	1.6	164
24	Biotransformation of 8:2 polyfluoroalkyl phosphate diester in gilthead bream (<i>Sparus aurata</i>). <i>Science of the Total Environment</i> , 2017, 609, 1085-1092.	3.9	23
25	Microplastic pollution, a threat to marine ecosystem and human health: a short review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21530-21547.	2.7	593
26	Enhanced uptake of BPA in the presence of nanoplastics can lead to neurotoxic effects in adult zebrafish. <i>Science of the Total Environment</i> , 2017, 609, 1312-1321.	3.9	329
27	Investigation of microrubbers, microplastics and heavy metals in street dust: a study in Bushehr city, Iran. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	168
28	Influence of waste brick kiln dust on pyrolytic conversion of polypropylene in to potential automotive fuels. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 126, 247-256.	2.6	2
29	Microplastics in Baltic bottom sediments: Quantification procedures and first results. <i>Marine Pollution Bulletin</i> , 2017, 114, 724-732.	2.3	191
30	Validation of density separation for the rapid recovery of microplastics from sediment. <i>Analytical Methods</i> , 2017, 9, 1491-1498.	1.3	302
31	Sampling, isolating and identifying microplastics ingested by fish and invertebrates. <i>Analytical Methods</i> , 2017, 9, 1346-1360.	1.3	691
32	Microplastics and potentially toxic elements in coastal sediments of Iran's main oil terminal (Khark) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.7	126
33	Histopathological and molecular effects of microplastics in <i>Eisenia andrei</i> BouchÃ©. <i>Environmental Pollution</i> , 2017, 220, 495-503.	3.7	412
34	Microplastic in Aquatic Ecosystems. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1720-1739.	7.2	554
35	Plastic pollution on the Baltic beaches of Kaliningrad region, Russia. <i>Marine Pollution Bulletin</i> , 2017, 114, 1072-1080.	2.3	145
36	Incorporation of microplastics from litter into burrows of <i>Lumbricus terrestris</i> . <i>Environmental Pollution</i> , 2017, 220, 523-531.	3.7	479
37	Mikroplastik in aquatischen Ã–kosystemen. <i>Angewandte Chemie</i> , 2017, 129, 1744-1764.	1.6	17

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38	More Than a Potential Hazard – Approaching Risks from a Social-Ecological Perspective. Sustainability, 2017, 9, 1039.	1.6	12
39	Water Pollution Control Technologies. , 2017, , 3-22.		9
40	Biodegradable and Petroleum-Based Microplastics Do Not Differ in Their Ingestion and Excretion but in Their Biological Effects in a Freshwater Invertebrate Gammarus fossarum. International Journal of Environmental Research and Public Health, 2017, 14, 774.	1.2	129
42	Characterization of Microplastics by Raman Spectroscopy. Comprehensive Analytical Chemistry, 2017, , 119-151.	0.7	84
43	Do microplastic particles affect Daphnia magna at the morphological, life history and molecular level?. PLoS ONE, 2017, 12, e0187590.	1.1	147
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52	Identification and quantitation of semi-crystalline microplastics using image analysis and differential scanning calorimetry. Environmental Science and Pollution Research, 2018, 25, 16767-16775.	2.7	61
53	Spatial and temporal distribution of microplastics in water and sediments of a freshwater system (Antuã River, Portugal). Science of the Total Environment, 2018, 633, 1549-1559.	3.9	560
54	Organic fertilizer as a vehicle for the entry of microplastic into the environment. Science Advances, 2018, 4, eaap8060.	4.7	617
55	Interaction of toxic chemicals with microplastics: A critical review. Water Research, 2018, 139, 208-219.	5.3	612
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59	Ingestion of microplastic debris by green sea turtles (<i>Chelonia mydas</i>) in the Great Barrier Reef: Validation of a sequential extraction protocol. <i>Marine Pollution Bulletin</i> , 2018, 127, 743-751.	2.3	123
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62	Combined effects of microplastics and chemical contaminants on the organ toxicity of zebrafish (<i>Danio rerio</i>). <i>Environmental Pollution</i> , 2018, 234, 29-37.	3.7	292
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64	A preliminary study on coastal debris in Nallathanni Island, Gulf of Mannar Biosphere Reserve, Southeast coast of India. <i>Marine Pollution Bulletin</i> , 2018, 131, 547-551.	2.3	53
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66	A review of methods for measuring microplastics in aquatic environments. <i>Environmental Science and Pollution Research</i> , 2018, 25, 11319-11332.	2.7	231
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69	Transgenerational effects and recovery of microplastics exposure in model populations of the freshwater cladoceran <i>Daphnia magna</i> Straus. <i>Science of the Total Environment</i> , 2018, 631-632, 421-428.	3.9	156
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73	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
74	Induced structural changes of humic acid by exposure of polystyrene microplastics: A spectroscopic insight. <i>Environmental Pollution</i> , 2018, 233, 1-7.	3.7	211
75	Aquatic Ecotoxicity of Microplastics and Nanoplastics: Lessons Learned from Engineered Nanomaterials. <i>Handbook of Environmental Chemistry</i> , 2018, , 25-49.	0.2	38

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76	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
77	Neurobehavioral assessment of rats exposed to pristine polystyrene nanoplastics upon oral exposure. <i>Chemosphere</i> , 2018, 193, 745-753.	4.2	94
78	Microplastic particles cause intestinal damage and other adverse effects in zebrafish <i>Danio rerio</i> and nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , 2018, 619-620, 1-8.	3.9	903
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83	Occurrence and ingestion of microplastics by zooplankton in Kenya's marine environment: first documented evidence. <i>African Journal of Marine Science</i> , 2018, 40, 225-234.	0.4	78
84	Microplastics in Aquatic Systems – Monitoring Methods and Biological Consequences. , 2018, , 179-195.		5
85	Selective determination of poly(styrene) and polyolefin microplastics in sandy beach sediments by gel permeation chromatography coupled with fluorescence detection. <i>Marine Pollution Bulletin</i> , 2018, 136, 269-275.	2.3	25
86	Sorption and desorption of selected pharmaceuticals by polyethylene microplastics. <i>Marine Pollution Bulletin</i> , 2018, 136, 516-523.	2.3	194
87	Review on microplastic studies in Brazilian aquatic ecosystems. <i>Ocean and Coastal Management</i> , 2018, 165, 385-400.	2.0	54
88	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
89	A Comprehensive Analysis of Plastics and Microplastic Legislation Worldwide. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	90
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98	Quantitative Analysis of Poly(ethylene terephthalate) Microplastics in Soil via Thermogravimetry–Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 8793-8799.	3.2	122
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114	Behavior of Microplastics in Coastal Zones. , 2018, , 175-223.		31
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132	Microplastic pollution on the Persian Gulf shoreline: A case study of Bandar Abbas city, Hormozgan Province, Iran. <i>Marine Pollution Bulletin</i> , 2019, 145, 536-546.	2.3	55
133	Microplastics from mulching film is a distinct habitat for bacteria in farmland soil. <i>Science of the Total Environment</i> , 2019, 688, 470-478.	3.9	313
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148	Synthesis of Surface-Reinforced Biodegradable Chitosan Nanoparticles and Their Application in Nanostructured Antireflective and Self-Cleaning Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40835-40841.	4.0	14

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153	Distribution and characterization of microplastics in beach sand from three different Indian coastal environments. <i>Marine Pollution Bulletin</i> , 2019, 140, 262-273.	2.3	276
154	Determining suitable fish to monitor plastic ingestion trends in the Mediterranean Sea. <i>Environmental Pollution</i> , 2019, 247, 1071-1077.	3.7	55
155	Abundance and properties of microplastics found in commercial fish meal and cultured common carp (<i>Cyprinus carpio</i>). <i>Environmental Science and Pollution Research</i> , 2019, 26, 23777-23787.	2.7	99
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157	Small microplastic particles (S-MPPs) in sediments of mangrove ecosystem on the northern coast of the Persian Gulf. <i>Marine Pollution Bulletin</i> , 2019, 146, 305-311.	2.3	115
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