Plastic Pollution in the World's Oceans: More than 5 Tri
250,000 Tons Afloat at Sea

PLoS ONE

9, e111913

DOI: 10.1371/journal.pone.0111913

Citation Report

#	Article	IF	Citations
1	Low densities of drifting litter in the African sector of the Southern Ocean. Marine Pollution Bulletin, 2014, 89, 16-19.	2.3	38
2	Passive buoyant tracers in the ocean surface boundary layer: 2. Observations and simulations of microplastic marine debris. Journal of Geophysical Research: Oceans, 2015, 120, 7559-7573.	1.0	60
3	Anthropogenic debris in seafood: Plastic debris and fibers from textiles in fish and bivalves sold for human consumption. Scientific Reports, 2015, 5, 14340.	1.6	978
4	Does size and buoyancy affect the long-distance transport of floating debris?. Environmental Research Letters, 2015, 10, 084019.	2.2	183
5	Responses of Hyalella azteca to acute and chronic microplastic exposures. Environmental Toxicology and Chemistry, 2015, 34, 2564-2572.	2.2	452
6	Plastic ingestion by sea turtles in ParaÃba State, Northeast Brazil. Iheringia - Serie Zoologia, 2015, 105, 265-270.	0.5	23
7	Marine litter, future prospects for research. Frontiers in Marine Science, 2015, 2, .	1.2	71
8	Plastic Accumulation in the Mediterranean Sea. PLoS ONE, 2015, 10, e0121762.	1.1	553
9	The vertical distribution of buoyant plastics at sea: an observational study in the North Atlantic Gyre. Biogeosciences, 2015, 12, 1249-1256.	1.3	339
10	Occurrence and Spatial Distribution of Microplastics in River Shore Sediments of the Rhine-Main Area in Germany. Environmental Science & Technology, 2015, 49, 6070-6076.	4.6	857
11	Microplastics present pollution puzzle. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5547-5549.	3.3	59
12	Litter and seabirds found across a longitudinal gradient in the South Pacific Ocean. Marine Pollution Bulletin, 2015, 96, 235-244.	2.3	33
13	Protected Shores Contaminated with Plastic. , 2015, , 185-195.		0
14	Statistical analyses of the results of 25 years of beach litter surveys on the south-eastern North Sea coast. Marine Environmental Research, 2015, 109, 21-27.	1.1	53
15	An evaluation of surface micro- and mesoplastic pollution in pelagic ecosystems of the Western Mediterranean Sea. Environmental Science and Pollution Research, 2015, 22, 12190-12197.	2.7	135
16	East Asian seas: A hot spot of pelagic microplastics. Marine Pollution Bulletin, 2015, 101, 618-623.	2.3	335
17	Ingestion of Plastic Microfibers by the Crab Carcinus maenas and Its Effect on Food Consumption and Energy Balance. Environmental Science & Technology, 2015, 49, 14597-14604.	4.6	404
18	A global inventory of small floating plastic debris. Environmental Research Letters, 2015, 10, 124006.	2.2	1,113

#	Article	IF	Citations
19	Novel methods, new results and science-based solutions to tackle marine debris impacts on wildlife. Ocean and Coastal Management, 2015, 115, 4-9.	2.0	73
20	Multi-scale thermal stability of a hard thermoplastic protein-based material. Nature Communications, 2015, 6, 8313.	5.8	54
21	Microplastics: addressing ecological risk through lessons learned. Environmental Toxicology and Chemistry, 2015, 34, 945-953.	2.2	244
22	Plastic waste inputs from land into the ocean. Science, 2015, 347, 768-771.	6.0	7,686
23	Elevated levels of ingested plastic in a high Arctic seabird, the northern fulmar (Fulmarus glacialis). Polar Biology, 2015, 38, 975-981.	0.5	114
24	Predictive Ecotoxicology and Environmental Assessment. , 2015, , 463-496.		5
25	Tracking the origins of plastic debris across the Coral Sea: A case study from the OuvÃ©a Island, New Caledonia. Marine Pollution Bulletin, 2015, 97, 160-168.	2.3	20
26	Occurrence and Distribution of Microplastics in the Sea Surface Microlayer in Jinhae Bay, South Korea. Archives of Environmental Contamination and Toxicology, 2015, 69, 279-287.	2.1	209
27	First observation on neustonic plastics in waters off NW Spain (spring 2013 and 2014). Marine Environmental Research, 2015, 111, 27-33.	1.1	42
28	Mediterranean marine biodiversity under threat: Reviewing influence of marine litter on species. Marine Pollution Bulletin, 2015, 98, 58-68.	2.3	212
29	Marine litter on the floor of deep submarine canyons of the Northwestern Mediterranean Sea: The role of hydrodynamic processes. Progress in Oceanography, 2015, 134, 379-403.	1.5	176
30	Experimental development of a new protocol for extraction and characterization of microplastics in fish tissues: First observations in commercial species from Adriatic Sea. Marine Environmental Research, 2015, 111, 18-26.	1.1	576
31	Microplastics in the Marine Environment: Distribution, Interactions and Effects. , 2015, , 245-307.		229
32	Microplastics in the Marine Environment: Sources, Consequences and Solutions. , 2015, , 185-200.		162
33	Microplastic contamination in brown shrimp (Crangon crangon, Linnaeus 1758) from coastal waters of the Southern North Sea and Channel area. Marine Pollution Bulletin, 2015, 98, 179-187.	2.3	534
34	Regulation and Management of Marine Litter. , 2015, , 395-428.		67
35	The Contribution of Citizen Scientists to the Monitoring of Marine Litter. , 2015, , 429-447.		37
36	Global Distribution, Composition and Abundance of Marine Litter. , 2015, , 29-56.		250

#	Article	IF	Citations
37	The Complex Mixture, Fate and Toxicity of Chemicals Associated with Plastic Debris in the Marine Environment. , 2015, , 117-140.		159
38	Marine Litter as Habitat and Dispersal Vector. , 2015, , 141-181.		81
39	Marine Anthropogenic Litter. , 2015, , .		411
40	New Link in the Food Chain? Marine Plastic Pollution and Seafood Safety. Environmental Health Perspectives, 2015, 123, A34-41.	2.8	228
41	First observations on the abundance and composition of floating debris in the North-western Black Sea. Marine Environmental Research, 2015, 107, 45-49.	1.1	41
42	Interactions between microplastics and phytoplankton aggregates: Impact on their respective fates. Marine Chemistry, 2015, 175, 39-46.	0.9	511
43	Seabirds, gyres and global trends in plastic pollution. Environmental Pollution, 2015, 203, 89-96.	3.7	223
44	First evidence of presence of plastic debris in stomach of large pelagic fish in the Mediterranean Sea. Marine Pollution Bulletin, 2015, 95, 358-361.	2.3	449
45	Deep-sea litter: a comparison of seamounts, banks and a ridge in the Atlantic and Indian Oceans reveals both environmental and anthropogenic factors impact accumulation and composition. Frontiers in Marine Science, 2015, 2, .	1.2	100
47	Occurrence and amount of microplastic ingested by fishes in watersheds of the Gulf of Mexico. Marine Pollution Bulletin, 2015, 100, 264-269.	2.3	218
48	Abundance, size and polymer composition of marine microplastics â‰¥ 10 Î¼m in the Atlantic Ocean and their modelled vertical distribution. Marine Pollution Bulletin, 2015, 100, 70-81.	2.3	560
49	â€œWelcome to the World of the Plastic Beachâ€• Emerging Infectious Diseases, 2015, 21, 736-737.	2.0	0
50	Characterisation of microplastics and toxic chemicals extracted from microplastic samples from the North Pacific Gyre. Environmental Chemistry, 2015, 12, 611.	0.7	104
51	Beyond the ocean: contamination of freshwater ecosystems with (micro-)plastic particles. Environmental Chemistry, 2015, 12, 539.	0.7	393
52	Modelling marine protected areas: insights and hurdles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140278.	1.8	78
53	Detection of Anthropogenic Particles in Fish Stomachs: An Isolation Method Adapted to Identification by Raman Spectroscopy. Archives of Environmental Contamination and Toxicology, 2015, 69, 331-339.	2.1	229
54	Microplastics in the Ocean. Archives of Environmental Contamination and Toxicology, 2015, 69, 265-268.	2.1	142
55	Use of ROV for assessing marine litter on the seafloor of Saronikos Gulf (Greece): a way to fill data gaps and deliver environmental education. SpringerPlus, 2015, 4, 463.	1.2	28

#	Article	IF	Citations
56	Facilitated Leaching of Additive-Derived PBDEs from Plastic by Seabirdsâ€™ Stomach Oil and Accumulation in Tissues. Environmental Science & Technology, 2015, 49, 11799-11807.	4.6	229
57	Prospects for microbiological solutions to environmental pollution with plastics. Applied Microbiology and Biotechnology, 2015, 99, 8857-8874.	1.7	358
58	Microplastics in coastal and marine environments of the western tropical and sub-tropical Atlantic Ocean. Environmental Sciences: Processes and Impacts, 2015, 17, 1868-1879.	1.7	56
59	Ingestion of Nanoplastics and Microplastics by Pacific Oyster Larvae. Environmental Science & Technology, 2015, 49, 14625-14632.	4.6	453
60	Marine microplastic-associated biofilms â€“ a review. Environmental Chemistry, 2015, 12, 551.	0.7	346
61	Bottles, bags, ropes and toothbrushes: the struggle to track ocean plastics. Nature, 2016, 536, 263-265.	13.7	80
62	An Appropriate Technology Based Solution to Convert Waste Plastic into Fuel Oil in Underdeveloped Regions. Journal of Sustainable Development, 2016, 9, 133.	0.1	20
63	Plastic Pollution from Ships. Journal of Maritime & Transportation Science, 2016, 51, 57-66.	0.2	8
64	Seasonal-Dial Shifts of Ichthyoplankton Assemblages and Plastic Debris around an Equatorial Atlantic Archipelago. Frontiers in Environmental Science, 2016, 4, .	1.5	28
65	Microplastics in Seawater: Recommendations from the Marine Strategy Framework Directive Implementation Process. Frontiers in Marine Science, 2016, 3, .	1.2	111
66	Towards a Circular Economy: The Role of Dutch Logistics Industries and Governments. Sustainability, 2016, 8, 647.	1.6	287
67	The Effects of Natural and Anthropogenic Microparticles on Individual Fitness in Daphnia magna. PLoS ONE, 2016, 11, e0155063.	1.1	332
68	Microbes on a Bottle: Substrate, Season and Geography Influence Community Composition of Microbes Colonizing Marine Plastic Debris. PLoS ONE, 2016, 11, e0159289.	1.1	403
69	Diversity and Activity of Communities Inhabiting Plastic Debris in the North Pacific Gyre. MSystems, 2016, 1, .	1.7	330
70	Plastic debris and policy: Using current scientific understanding to invoke positive change. Environmental Toxicology and Chemistry, 2016, 35, 1617-1626.	2.2	108
71	Modeling marine surface microplastic transport to assess optimal removal locations. Environmental Research Letters, 2016, 11, 014006.	2.2	107
72	Microplastics as vectors for bioaccumulation of hydrophobic organic chemicals in the marine environment: A stateâ€ofâ€theâ€science review. Environmental Toxicology and Chemistry, 2016, 35, 1667-1676.	2.2	369
73	Release of primary microplastics from consumer products to wastewater in the Netherlands. Environmental Toxicology and Chemistry, 2016, 35, 1627-1631.	2.2	125

#	Article	IF	Citations
74	Debris size and buoyancy influence the dispersal distance of stranded litter. Marine Pollution Bulletin, 2016, 110, 371-377.	2.3	70
75	Nature of Plastic Marine Pollution in the Subtropical Gyres. Handbook of Environmental Chemistry, 2016, , 135-162.	0.2	16
76	Oceanic barnacles act as foundation species on plastic debris: implications for marine dispersal. Scientific Reports, 2016, 6, 19987.	1.6	32
77	Technofossils of the Anthropocene. Cultural Politics, 2016, 12, 355-375.	0.4	23
78	An Unexpected Consequence of Plastic Litter Clean-Up on Beaches: Too Much Sand Might Be Removed. Environmental Practice, 2016, 18, 242-246.	0.3	13
79	The degradation potential of PET bottles in the marine environment: An ATR-FTIR based approach. Scientific Reports, 2016, 6, 23501.	1.6	220
80	Low plastic ingestion rate in Atlantic cod (Gadus morhua) from Newfoundland destined for human consumption collected through citizen science methods. Marine Pollution Bulletin, 2016, 113, 428-437.	2.3	74
81	Plastic ingestion by fish in the Southern Hemisphere: A baseline study and review of methods. Marine Pollution Bulletin, 2016, 107, 286-291.	2.3	106
82	Release of 14C-labelled carbon nanotubes from polycarbonate composites. Environmental Pollution, 2016, 215, 356-365.	3.7	25
83	Effects of microplastics on European flat oysters, Ostrea edulis and their associated benthic communities. Environmental Pollution, 2016, 216, 95-103.	3.7	265
84	Microplastics in seafood: Benchmark protocol for their extraction and characterization. Environmental Pollution, 2016, 215, 223-233.	3.7	621
85	Microbial hitchhikers on marine plastic debris: Human exposure risks at bathing waters and beach environments. Marine Environmental Research, 2016, 118, 10-19.	1.1	259
86	A mathematical model of the global processes of plastic degradation in the World Ocean with account for the surface temperature distribution. Doklady Earth Sciences, 2016, 466, 153-156.	0.2	3
87	Understanding the Fragmentation Pattern of Marine Plastic Debris. Environmental Science & Technology, 2016, 50, 5668-5675.	4.6	408
88	Observations of floating anthropogenic litter in the Barents Sea and Fram Strait, Arctic. Polar Biology, 2016, 39, 553-560.	0.5	76
89	Marine debris ingestion and Thayer's law â€“ The importance of plastic color. Environmental Pollution, 2016, 214, 585-588.	3.7	101
90	High levels of microplastic ingestion by the semipelagic fish bogue Boops boops (L.) around the Balearic Islands. Environmental Pollution, 2016, 214, 517-523.	3.7	257
91	Microplastic pollution is widely detected in US municipal wastewater treatment plant effluent. Environmental Pollution, 2016, 218, 1045-1054.	3.7	763

#	Article	IF	Citations
92	Oceanic circulation models help to predict global biogeography of pelagic yellow-bellied sea snake. Biology Letters, 2016, 12, 20160436.	1.0	8
93	Hong Kongâ€™s marine environments: History, challenges and opportunities. Regional Studies in Marine Science, 2016, 8, 259-273.	0.4	42
94	Kunststoffpartikel sind Ã¼berall - auch in Lebensmitteln?. Nachrichten Aus Der Chemie, 2016, 64, 842-846.	0.0	3
95	Recyclable plastics as substrata for settlement and growth of bryozoans Bugula neritina and barnacles Amphibalanus amphitrite. Environmental Pollution, 2016, 218, 973-980.	3.7	37
96	An Ocean of Troubles: Advancing Marine Sociology. Social Problems, 2016, 63, 463-479.	2.0	42
97	Distribution of small plastic fragments floating in the western Pacific Ocean from 2000 to 2001. Fisheries Science, 2016, 82, 969-974.	0.7	14
98	Description of plastic remains found in the stomach contents of the jumbo squid Dosidicus gigas landed in Ecuador during 2014. Marine Pollution Bulletin, 2016, 113, 302-305.	2.3	22
99	Review of the partitioning of chemicals into different plastics: Consequences for the risk assessment of marine plastic debris. Marine Pollution Bulletin, 2016, 113, 17-24.	2.3	104
100	Floating plastic debris in the Central and Western Mediterranean Sea. Marine Environmental Research, 2016, 120, 136-144.	1.1	122
101	Production of poly(3-hydroxybutyrate) by simultaneous saccharification and fermentation of cereal mash using Halomonas boliviensis. Biochemical Engineering Journal, 2016, 114, 140-146.	1.8	12
102	The Role of Plastic Debris as Another Source of Hazardous Chemicals in Lower-Trophic Level Organisms. Handbook of Environmental Chemistry, 2016, , 281-295.	0.2	12
103	Revealing accumulation zones of plastic pellets in sandy beaches. Environmental Pollution, 2016, 218, 313-321.	3.7	65
104	Marine microplastic debris: a targeted planÂfor understanding and quantifying interactions with marine life. Frontiers in Ecology and the Environment, 2016, 14, 317-324.	1.9	174
105	Plastics and microplastics on recreational beaches in Punta del Este (Uruguay): Unseen critical residents?. Environmental Pollution, 2016, 218, 931-941.	3.7	93
106	White-faced storm-petrels Pelagodroma marina predated by gulls as biological monitors of plastic pollution in the pelagic subtropical Northeast Atlantic. Marine Pollution Bulletin, 2016, 112, 117-122.	2.3	32
107	The Mediterranean Plastic Soup: synthetic polymers in Mediterranean surface waters. Scientific Reports, 2016, 6, 37551.	1.6	537
108	Microplastics affect assimilation efficiency in the freshwater amphipod Gammarus fossarum. Environmental Science and Pollution Research, 2016, 23, 23522-23532.	2.7	182
109	Standardized methods are required to assess and manage microplastic contamination of the Great Lakes system. Journal of Great Lakes Research, 2016, 42, 921-925.	0.8	19

#	Article	IF	Citations
110	Plastic ingestion by Newellâ€™s (Puffinus newelli) and wedge-tailed shearwaters (Ardenna pacifica) in Hawaii. Environmental Science and Pollution Research, 2016, 23, 23951-23958.	2.7	32
111	Microplastics in aquatic environments: Implications for Canadian ecosystems. Environmental Pollution, 2016, 218, 269-280.	3.7	396
112	Distribution and quantity of microplastic on sandy beaches along the northern coast of Taiwan. Marine Pollution Bulletin, 2016, 111, 126-135.	2.3	127
113	Percentage of microbeads in pelagic microplastics within Japanese coastal waters. Marine Pollution Bulletin, 2016, 110, 432-437.	2.3	96
114	Reply to Lenz et al.: Quantifying the smallest microplastics is the challenge for a comprehensive view of their environmental impacts. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4123-4.	3.3	44
115	A new biological recovery approach for PHA using mealworm, Tenebrio molitor. Journal of Biotechnology, 2016, 239, 98-105.	1.9	86
116	Microplastic in surface waters of urban rivers: concentration, sources, and associated bacterial assemblages. Ecosphere, 2016, 7, e01556.	1.0	379
117	Sea surface microplastics in Slovenian part of the Northern Adriatic. Marine Pollution Bulletin, 2016, 113, 392-399.	2.3	94
118	Marine plastic debris emits a keystone infochemical for olfactory foraging seabirds. Science Advances, 2016, 2, e1600395.	4.7	204
119	Characterization of microplastic and mesoplastic debris in sediments from Kamilo Beach and Kahuku Beach, Hawai'i. Marine Pollution Bulletin, 2016, 113, 477-482.	2.3	79
120	A semi-automated Raman micro-spectroscopy method for morphological and chemical characterizations of microplastic litter. Marine Pollution Bulletin, 2016, 113, 461-468.	2.3	120
121	Identification and quantification of microplastics using Nile Red staining. Marine Pollution Bulletin, 2016, 113, 469-476.	2.3	388
122	A novel method for preparing microplastic fibers. Scientific Reports, 2016, 6, 34519.	1.6	214
123	The effect of particle properties on the depth profile of buoyant plastics in the ocean. Scientific Reports, 2016, 6, 33882.	1.6	194
124	Microplastic fragments and microbeads in digestive tracts of planktivorous fish from urban coastal waters. Scientific Reports, 2016, 6, 34351.	1.6	472
125	Abundance and characteristics of microplastics in beach sediments: Insights into microplastic accumulation in northern Gulf of Mexico estuaries. Marine Pollution Bulletin, 2016, 109, 178-183.	2.3	245
126	Biofilms on Plastic Debris and Their Influence on Marine Nutrient Cycling, Productivity, and Hazardous Chemical Mobility. Handbook of Environmental Chemistry, 2016, , 221-233.	0.2	39
127	Date-prints on stranded macroplastics: Inferring the timing and extent of overwash deposition on the Skallingen peninsula, Denmark. Marine Pollution Bulletin, 2016, 109, 373-377.	2.3	7

#	Article	IF	Citations
128	Pelagic plastic pollution within the surface waters of Lake Michigan, USA. Journal of Great Lakes Research, 2016, 42, 753-759.	0.8	92
129	Characteristics, seasonal distribution and surface degradation features of microplastic pellets along the Goa coast, India. Chemosphere, 2016, 159, 496-505.	4.2	263
130	Long-term aging and degradation of microplastic particles: Comparing in situ oceanic and experimental weathering patterns. Marine Pollution Bulletin, 2016, 110, 299-308.	2.3	412
131	Distribution and abundance of surface water microlitter in the Baltic Sea: A comparison of two sampling methods. Marine Pollution Bulletin, 2016, 110, 177-183.	2.3	153
132	Marine debris: Implications for conservation of rocky reefs in Manabi, Ecuador (Se Pacific Coast). Marine Pollution Bulletin, 2016, 109, 7-13.	2.3	16
133	Sinking rates of microplastics and potential implications of their alteration by physical, biological, and chemical factors. Marine Pollution Bulletin, 2016, 109, 310-319.	2.3	426
134	Exposure of marine mussels Mytilus spp. to polystyrene microplastics: Toxicity and influence on fluoranthene bioaccumulation. Environmental Pollution, 2016, 216, 724-737.	3.7	507
135	Origin and fate of surface drift in the oceanic convergence zones of the eastern Pacific. Geophysical Research Letters, 2016, 43, 3398-3405.	1.5	13
136	Regional differences in plastic ingestion among Southern Ocean fur seals and albatrosses. Marine Pollution Bulletin, 2016, 104, 207-210.	2.3	55
137	The geological cycle of plastics and their use as a stratigraphic indicator of the Anthropocene. Anthropocene, 2016, 13, 4-17.	1.6	622
138	Using expert elicitation to estimate the impacts of plastic pollution on marine wildlife. Marine Policy, 2016, 65, 107-114.	1.5	189
139	The behaviors of microplastics in the marine environment. Marine Environmental Research, 2016, 113, 7-17.	1.1	543
140	Fin whales and microplastics: The Mediterranean Sea and the Sea of Cortez scenarios. Environmental Pollution, 2016, 209, 68-78.	3.7	299
141	A Canadian policy framework to mitigate plastic marine pollution. Marine Policy, 2016, 68, 117-122.	1.5	138
142	Short-term exposure with high concentrations of pristine microplastic particles leads to immobilisation of Daphnia magna. Chemosphere, 2016, 153, 91-99.	4.2	367
143	Enhancing public awareness and promoting co-responsibility for marine litter in Europe: The challenge of MARLISCO. Marine Pollution Bulletin, 2016, 102, 309-315.	2.3	85
144	Evidence for the Influence of Surface Heat Fluxes on Turbulent Mixing of Microplastic Marine Debris. Journal of Physical Oceanography, 2016, 46, 809-815.	0.7	24
145	Oyster reproduction is affected by exposure to polystyrene microplastics. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2430-2435.	3.3	1,253

#	Article	IF	Citations
146	Towards a meaningful assessment of marine ecological impacts in life cycle assessment (LCA). Environment International, 2016, 89-90, 48-61.	4.8	83
147	Regional approach to modeling the transport of floating plastic debris in the Adriatic Sea. Marine Pollution Bulletin, 2016, 103, 115-127.	2.3	177
148	Microplastic contamination in natural mussel beds from a Brazilian urbanized coastal region: Rapid evaluation through bioassessment. Marine Pollution Bulletin, 2016, 106, 183-189.	2.3	170
149	Microplastics Alter the Properties and Sinking Rates of Zooplankton Faecal Pellets. Environmental Science & Technology, 2016, 50, 3239-3246.	4.6	456
150	Incidence of plastic debris in Sooty Tern nests: A preliminary study on Trindade Island, a remote area of Brazil. Marine Pollution Bulletin, 2016, 105, 373-376.	2.3	37
151	Redefining pollution and action: The matter of plastics. Journal of Material Culture, 2016, 21, 87-110.	0.9	122
152	Microplastic as a Vector for Chemicals in the Aquatic Environment: Critical Review and Model-Supported Reinterpretation of Empirical Studies. Environmental Science & Technology, 2016, 50, 3315-3326.	4.6	1,031
153	Chemical Pollutants Sorbed to Ingested Microbeads from Personal Care Products Accumulate in Fish. Environmental Science & Technology, 2016, 50, 4037-4044.	4.6	378
154	Trends and drivers of debris accumulation on Maui shorelines: Implications for local mitigation strategies. Marine Pollution Bulletin, 2016, 105, 292-298.	2.3	46
155	Microplastics in coastal sediments from Southern Portuguese shelf waters. Marine Environmental Research, 2016, 114, 24-30.	1.1	271
156	The flip-or-flop boutique: Marine debris on the shores of St Brandon's rock, an isolated tropical atoll in the Indian Ocean. Marine Environmental Research, 2016, 114, 58-64.	1.1	64
157	Effects of Toxic Leachate from Commercial Plastics on Larval Survival and Settlement of the Barnacle Amphibalanus amphitrite. Environmental Science & Technology, 2016, 50, 924-931.	4.6	204
158	Negligible Impact of Ingested Microplastics on Tissue Concentrations of Persistent Organic Pollutants in Northern Fulmars off Coastal Norway. Environmental Science & Technology, 2016, 50, 1924-1933.	4.6	215
159	Experimental Evaluation of Seaweeds as a Vector for Microplastics into Marine Food Webs. Environmental Science & Technology, 2016, 50, 915-923.	4.6	227
160	Microbial Surface Colonization and Biofilm Development in Marine Environments. Microbiology and Molecular Biology Reviews, 2016, 80, 91-138.	2.9	864
161	Effects of multi-stressors on juveniles of the marine fish Pomatoschistus microps: Gold nanoparticles, microplastics and temperature. Aquatic Toxicology, 2016, 170, 89-103.	1.9	238
162	Water Analysis: Emerging Contaminants and Current Issues. Analytical Chemistry, 2016, 88, 546-582.	3.2	348
163	Nano-sized polystyrene affects feeding, behavior and physiology of brine shrimp Artemia franciscana larvae. Ecotoxicology and Environmental Safety, 2016, 123, 18-25.	2.9	280

#	Article	IF	Citations
164	Microplastics in the Solent estuarine complex, UK: An initial assessment. Marine Pollution Bulletin, 2016, 102, 243-249.	2.3	189
165	Marine Ecosystem Science on an Intertwined Planet. Ecosystems, 2017, 20, 54-61.	1.6	54
166	Plastics and microplastics in the oceans: From emerging pollutants to emerged threat. Marine Environmental Research, 2017, 128, 2-11.	1.1	815
167	Spatial and temporal variation of macro-, meso- and microplastic abundance on a remote coral island of the Maldives, Indian Ocean. Marine Pollution Bulletin, 2017, 116, 340-347.	2.3	195
168	Evidence of microplastic ingestion in the shark Galeus melastomus Rafinesque, 1810 in the continental shelf off the western Mediterranean Sea. Environmental Pollution, 2017, 223, 223-229.	3.7	202
169	Microplastic litter composition of the Turkish territorial waters of the Mediterranean Sea, and its occurrence in the gastrointestinal tract of fish. Environmental Pollution, 2017, 223, 286-294.	3.7	511
170	Assessment of microplastic-sorbed contaminant bioavailability through analysis of biomarker gene expression in larval zebrafish. Marine Pollution Bulletin, 2017, 116, 291-297.	2.3	157
171	Marine litter on deep Arctic seafloor continues to increase and spreads to the North at the HAUSGARTEN observatory. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 120, 88-99.	0.6	148
172	Ingestion of marine debris by the White-chinned Petrel (Procellaria aequinoctialis): Is it increasing over time off southern Brazil?. Marine Pollution Bulletin, 2017, 117, 131-135.	2.3	26
173	Microplastics in freshwater and terrestrial environments: Evaluating the current understanding to identify the knowledge gaps and future research priorities. Science of the Total Environment, 2017, 586, 127-141.	3.9	2,188
174	Levels of ingested debris vary across species in Canadian Arctic seabirds. Marine Pollution Bulletin, 2017, 116, 517-520.	2.3	65
175	Exceptionally high abundances of microplastics in the oligotrophic Israeli Mediterranean coastal waters. Marine Pollution Bulletin, 2017, 116, 151-155.	2.3	169
176	Adverse effects of microplastics and oxidative stress-induced MAPK/Nrf2 pathway-mediated defense mechanisms in the marine copepod Paracyclopina nana. Scientific Reports, 2017, 7, 41323.	1.6	271
177	Life Cycle and Environmental Cycle Assessment of Biodegradable Plastics for Agriculture. Green Chemistry and Sustainable Technology, 2017, , 169-185.	0.4	11
178	Floating macro-litter along the Mediterranean French coast: Composition, density, distribution and overlap with cetacean range. Marine Pollution Bulletin, 2017, 118, 155-166.	2.3	55
179	Widespread microplastic ingestion by fish assemblages in tropical estuaries subjected to anthropogenic pressures. Marine Pollution Bulletin, 2017, 117, 448-455.	2.3	211
180	From macro- to microplastics - Analysis of EU regulation along the life cycle of plastic bags. Environmental Pollution, 2017, 224, 289-299.	3.7	90
181	Are whale sharks exposed to persistent organic pollutants and plastic pollution in the Gulf of California (Mexico)? First ecotoxicological investigation using skin biopsies. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 199, 48-58.	1.3	62

#	Article	IF	Citations
182	A strategy for dual biopolymer production of P(3HB) and Î³-PGA. Journal of Chemical Technology and Biotechnology, 2017, 92, 1548-1557.	1.6	10
184	Amberstripe scad Decapterus muroadsi (Carangidae) fish ingest blue microplastics resembling their copepod prey along the coast of Rapa Nui (Easter Island) in the South Pacific subtropical gyre. Science of the Total Environment, 2017, 586, 430-437.	3.9	429
185	Microplastic ingestion in fish larvae in the western English Channel. Environmental Pollution, 2017, 226, 250-259.	3.7	339
186	Interactions of microplastic debris throughout the marine ecosystem. Nature Ecology and Evolution, 2017, 1, 116.	3.4	1,181
187	Simultaneous Trace Identification and Quantification of Common Types of Microplastics in Environmental Samples by Pyrolysis-Gas Chromatographyâ€“Mass Spectrometry. Environmental Science & Technology, 2017, 51, 5052-5060.	4.6	399
188	The Arctic Ocean as a dead end for floating plastics in the North Atlantic branch of the Thermohaline Circulation. Science Advances, 2017, 3, e1600582.	4.7	417
189	Plastics in the North Atlantic garbage patch: A boat-microbe for hitchhikers and plastic degraders. Science of the Total Environment, 2017, 599-600, 1222-1232.	3.9	274
190	Exceptional and rapid accumulation of anthropogenic debris on one of the worldâ€™s most remote and pristine islands. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6052-6055.	3.3	350
191	Addressing the Issue of Microplastics in the Wake of the Microbead-Free Waters Actâ€”A New Standard Can Facilitate Improved Policy. Environmental Science & Technology, 2017, 51, 6611-6617.	4.6	138
192	Occurrence of Marine Litter in the Marine Environment: A World Panorama of Floating and Seafloor Plastics. Handbook of Environmental Chemistry, 2017, , 93-120.	0.2	12
193	Microplastics elutriation system. Part A: Numerical modeling. Marine Pollution Bulletin, 2017, 119, 151-161.	2.3	17
194	Microplastics are not important for the cycling and bioaccumulation of organic pollutants in the oceansâ€”but should microplastics be considered POPs themselves?. Integrated Environmental Assessment and Management, 2017, 13, 460-465.	1.6	159
195	Sources and dispersive modes of microâ€fibers in the environment. Integrated Environmental Assessment and Management, 2017, 13, 466-469.	1.6	183
196	Synthetic fibers as microplastics in the marine environment: A review from textile perspective with a focus on domestic washings. Science of the Total Environment, 2017, 598, 1116-1129.	3.9	489
197	Determining global distribution of microplastics by combining citizen science and inâ€depth case studies. Integrated Environmental Assessment and Management, 2017, 13, 536-541.	1.6	36
198	Impacts of changing ocean circulation on the distribution of marine microplastic litter. Integrated Environmental Assessment and Management, 2017, 13, 483-487.	1.6	78
199	Microplastics in the Antarctic marine system: An emerging area of research. Science of the Total Environment, 2017, 598, 220-227.	3.9	519
200	Current understanding of microplastics in the environment: Occurrence, fate, risks, and what we should do. Integrated Environmental Assessment and Management, 2017, 13, 476-482.	1.6	188

#	Article	IF	Citations
201	To what extent are microplastics from the open ocean weathered?. Environmental Pollution, 2017, 227, 167-174.	3.7	315
202	Microplastics pollution after the removal of the Costa Concordia wreck: First evidences from a biomonitoring case study. Environmental Pollution, 2017, 227, 207-214.	3.7	98
203	The plastic in microplastics: A review. Marine Pollution Bulletin, 2017, 119, 12-22.	2.3	1,324
204	Ghostly encounters: Dealing with ghost gear in the Gulf of Carpentaria. Geoforum, 2017, 78, 33-42.	1.4	17
205	Ups and Downs in the Ocean: Effects of Biofouling on Vertical Transport of Microplastics. Environmental Science & Technology, 2017, 51, 7963-7971.	4.6	566
206	Composition, spatial distribution and sources of macro-marine litter on the Gulf of Alicante seafloor (Spanish Mediterranean). Marine Pollution Bulletin, 2017, 121, 249-259.	2.3	56
207	Impacts of Biofilm Formation on the Fate and Potential Effects of Microplastic in the Aquatic Environment. Environmental Science and Technology Letters, 2017, 4, 258-267.	3.9	881
208	Occurrence and effects of plastic additives on marine environments and organisms: A review. Chemosphere, 2017, 182, 781-793.	4.2	748
209	Plastic litter in streams: The behavioral archaeology of a pervasive environmental problem. Applied Geography, 2017, 84, 93-101.	1.7	25
210	Sizeâ€•and shapeâ€dependent effects of microplastic particles on adult daggerblade grass shrimp (Palaemonetes pugio). Environmental Toxicology and Chemistry, 2017, 36, 3074-3080.	2.2	313
211	Fate of microplastics and mesoplastics carried by surface currents and wind waves: A numerical model approach in the Sea of Japan. Marine Pollution Bulletin, 2017, 121, 85-96.	2.3	138
212	Trophic transference of microplastics under a low exposure scenario: Insights on the likelihood of particle cascading along marine food-webs. Marine Pollution Bulletin, 2017, 121, 154-159.	2.3	181
213	River plastic emissions to the worldâ€™s oceans. Nature Communications, 2017, 8, 15611.	5.8	2,274
214	Finding the missing piece of the aquatic plastic pollution puzzle: Interaction between primary producers and microplastics. Limnology and Oceanography Letters, 2017, 2, 91-104.	1.6	181
215	Plastic and Human Health: A Micro Issue?. Environmental Science & Technology, 2017, 51, 6634-6647.	4.6	1,734
216	Microplastics in Sediment Cores from Asia and Africa as Indicators of Temporal Trends in Plastic Pollution. Archives of Environmental Contamination and Toxicology, 2017, 73, 230-239.	2.1	308
217	Quantifying the risk that marine debris poses to cetaceans in coastal waters of the 4-island region of Maui. Marine Pollution Bulletin, 2017, 121, 69-77.	2.3	13
218	Interactions between polystyrene microplastics and marine phytoplankton lead to species-specific hetero-aggregation. Environmental Pollution, 2017, 228, 454-463.	3.7	270

#	Article	IF	Citations
219	Characterisation of plastic microbeads in facial scrubs and their estimated emissions in Mainland China. Water Research, 2017, 122, 53-61.	5.3	326
220	Ubiquity of microplastics in coastal seafloor sediments. Marine Pollution Bulletin, 2017, 121, 104-110.	2.3	144
221	Temporal Dynamics of Bacterial and Fungal Colonization on Plastic Debris in the North Sea. Environmental Science & Technology, 2017, 51, 7350-7360.	4.6	239
222	Influence of environmental and anthropogenic factors on the composition, concentration and spatial distribution of microplastics: A case study of the Bay of Brest (Brittany, France). Environmental Pollution, 2017, 225, 211-222.	3.7	301
223	Microplastics Sampling and Sample Handling. Comprehensive Analytical Chemistry, 2017, 75, 25-47.	0.7	15
224	Microplastic contamination in Lake Winnipeg, Canada. Environmental Pollution, 2017, 225, 223-231.	3.7	306
225	The presence of microplastics in commercial salts from different countries. Scientific Reports, 2017, 7, 46173.	1.6	300
226	Distribution and importance of microplastics in the marine environment: A review of the sources, fate, effects, and potential solutions. Environment International, 2017, 102, 165-176.	4.8	1,633
227	A review of microscopy and comparative molecular-based methods to characterize â€œPlastisphereâ€• communities. Analytical Methods, 2017, 9, 2132-2143.	1.3	76
228	Micro- and mesoplastics in Northeast Levantine coast of Turkey: The preliminary results from surface samples. Marine Pollution Bulletin, 2017, 118, 341-347.	2.3	102
229	Incorporating citizen science to study plastics in the environment. Analytical Methods, 2017, 9, 1392-1403.	1.3	78
230	Estimating quantities and sources of marine debris at a continental scale. Frontiers in Ecology and the Environment, 2017, 15, 18-25.	1.9	109
231	A review of analytical techniques for quantifying microplastics in sediments. Analytical Methods, 2017, 9, 1369-1383.	1.3	305
232	Microplastics Affect the Ecological Functioning of an Important Biogenic Habitat. Environmental Science & Technology, 2017, 51, 68-77.	4.6	184
233	Marine litter abundance and distribution on beaches on the Isle of RÃ¼gen considering the influence of exposition, morphology and recreational activities. Marine Pollution Bulletin, 2017, 115, 297-306.	2.3	60
234	Advanced Analytical Techniques for Assessing the Chemical Compounds Related to Microplastics. Comprehensive Analytical Chemistry, 2017, 75, 209-240.	0.7	12
235	Inventory and transport of plastic debris in the Laurentian Great Lakes. Marine Pollution Bulletin, 2017, 115, 273-281.	2.3	89
236	Macrofouling communities and the degradation of plastic bags in the sea: an inÂsitu experiment. Royal Society Open Science, 2017, 4, 170549.	1.1	51

#	Article	IF	Citations
237	Occurrence, fate and transformation of emerging contaminants in water: An overarching review of the field. Environmental Pollution, 2017, 231, 954-970.	3.7	488
238	Screening of Bacillus strains isolated from mangrove ecosystems in Peninsular Malaysia for microplastic degradation. Environmental Pollution, 2017, 231, 1552-1559.	3.7	332
239	Coastal debris survey in a Remote Island of the Chilean Northern Patagonia. Marine Pollution Bulletin, 2017, 125, 530-534.	2.3	31
240	Risks of Plastic Debris: Unravelling Fact, Opinion, Perception, and Belief. Environmental Science & Technology, 2017, 51, 11513-11519.	4.6	250
241	Export of microplastics from land to sea. A modelling approach. Water Research, 2017, 127, 249-257.	5.3	402
242	Export of Plastic Debris by Rivers into the Sea. Environmental Science & Technology, 2017, 51, 12246-12253.	4.6	881
243	A large-scale investigation of microplastic contamination: Abundance and characteristics of microplastics in European beach sediment. Marine Pollution Bulletin, 2017, 123, 219-226.	2.3	321
244	Plastic as a Persistent Marine Pollutant. Annual Review of Environment and Resources, 2017, 42, 1-26.	5.6	497
245	All is not lost: deriving a top-down mass budget of plastic at sea. Environmental Research Letters, 2017, 12, 114028.	2.2	231
246	From the surface to the seafloor: How giant larvaceans transport microplastics into the deep sea. Science Advances, 2017, 3, e1700715.	4.7	151
247	Seabirds and marine plastic debris in the northeastern Atlantic: A synthesis and recommendations for monitoring and research. Environmental Pollution, 2017, 231, 1291-1301.	3.7	65
248	Microplastic pollution in the surface waters of the Bohai Sea, China. Environmental Pollution, 2017, 231, 541-548.	3.7	365
249	A roadmap towards green packaging: the current status and future outlook for polyesters in the packaging industry. Green Chemistry, 2017, 19, 4737-4753.	4.6	251
250	Microplastics in coastal environments of the Arabian Gulf. Marine Pollution Bulletin, 2017, 124, 181-188.	2.3	172
251	The occurrence of microplastic contamination in littoral sediments of the Persian Gulf, Iran. Environmental Science and Pollution Research, 2017, 24, 20459-20468.	2.7	150
252	On the subject of typology: How Irish coastal communities' subjectivities reveal intrinsic values towards coastal environments. Ocean and Coastal Management, 2017, 146, 135-143.	2.0	13
253	Mountains to the sea: River study of plastic and non-plastic microfiber pollution in the northeast USA. Marine Pollution Bulletin, 2017, 124, 245-251.	2.3	210
254	Microplastics alter composition of fungal communities in aquatic ecosystems. Environmental Microbiology, 2017, 19, 4447-4459.	1.8	182

#	Article	IF	Citations
255	Microplastic pollution, a threat to marine ecosystem and human health: a short review. Environmental Science and Pollution Research, 2017, 24, 21530-21547.	2.7	593
256	Odours from marine plastic debris induce food search behaviours in a forage fish. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171000.	1.2	118
257	Human Impacts. , 2017, , 26-67.		0
258	The Deep Sea. , 0, , 372-396.		0
259	Microplastic pollution identified in deep-sea water and ingested by benthic invertebrates in the Rockall Trough, North Atlantic Ocean. Environmental Pollution, 2017, 231, 271-280.	3.7	320
260	Abundant plankton-sized microplastic particles in shelf waters of the northern Gulf of Mexico. Environmental Pollution, 2017, 230, 798-809.	3.7	135
261	Climate change? Archaeology and Anthropocene. Archaeological Dialogues, 2017, 24, 175-205.	0.2	47
262	Nanoplastic in the North Atlantic Subtropical Gyre. Environmental Science & Technology, 2017, 51, 13689-13697.	4.6	581
263	Sustaining anti-littering behavior within coastal and marine environments: Through the macro-micro level lenses. Marine Pollution Bulletin, 2017, 119, 87-99.	2.3	33
264	Lost, but Found with Nile Red: A Novel Method for Detecting and Quantifying Small Microplastics (1) Tj ETQq1 1 0.784314 rgBT /Ove	4.6	519
265	Beach litter sourcing: A trawl along the Northern Ireland coastline. Marine Pollution Bulletin, 2017, 122, 47-64.	2.3	27
266	Inter-annual variation in the density of anthropogenic debris in the Tasman Sea. Marine Pollution Bulletin, 2017, 124, 51-55.	2.3	21
267	Marine debris ingestion by the South American Fur Seal from the Southwest Atlantic Ocean. Marine Pollution Bulletin, 2017, 122, 420-425.	2.3	35
268	A high-performance protocol for extraction of microplastics in fish. Science of the Total Environment, 2017, 578, 485-494.	3.9	454
269	Extraction of microplastic from biota: recommended acidic digestion destroys common plastic polymers. ICES Journal of Marine Science, 2017, 74, 326-331.	1.2	174
270	An approach for extraction, characterization and quantitation of microplastic in natural marine snow using Raman microscopy. Analytical Methods, 2017, 9, 1470-1478.	1.3	214
271	Development and optimization of a standard method for extraction of microplastics in mussels by enzyme digestion of soft tissues. Environmental Toxicology and Chemistry, 2017, 36, 947-951.	2.2	228
272	Plastics in the Marine Environment. Annual Review of Marine Science, 2017, 9, 205-229.	5.1	662

#	Article	IF	Citations
273	Microplastic in Aquatic Ecosystems. Angewandte Chemie - International Edition, 2017, 56, 1720-1739.	7.2	554
274	Presence of plastic particles in waterbirds faeces collected in Spanish lakes. Environmental Pollution, 2017, 220, 732-736.	3.7	72
275	Grab vs. neuston tow net: a microplastic sampling performance comparison and possible advances in the field. Analytical Methods, 2017, 9, 1446-1453.	1.3	216
276	Size distribution of stranded small plastic debris on the coast of Guangdong, South China. Environmental Pollution, 2017, 220, 407-412.	3.7	158
277	Plastic pollution on the Baltic beaches of Kaliningrad region, Russia. Marine Pollution Bulletin, 2017, 114, 1072-1080.	2.3	145
278	Impact of Pollution on Phytoplankton and Implications for Marine Econiches. , 2017, , 205-222.		5
279	Microplastics in the Southern Ocean. Marine Pollution Bulletin, 2017, 114, 623-626.	2.3	287
280	Risk assessment reveals high exposure of sea turtles to marine debris in French Mediterranean and metropolitan Atlantic waters. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 141, 319-328.	0.6	45
281	Determination of the gut retention of plastic microbeads and microfibers in goldfish (Carassius) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 42	4.2	225
282	Identification methods in microplastic analysis: a review. Analytical Methods, 2017, 9, 1384-1391.	1.3	628
283	Mikroplastik in aquatischen Ã–kosystemen. Angewandte Chemie, 2017, 129, 1744-1764.	1.6	17
284	Effects of biofouling on the sinking behavior of microplastics. Environmental Research Letters, 2017, 12, 124003.	2.2	413
285	Biodegradation of weathered polystyrene films in seawater microcosms. Scientific Reports, 2017, 7, 17991.	1.6	121
286	Community-wide patterns of plastic ingestion in seabirds breeding at French Frigate Shoals, Northwestern Hawaiian Islands. Marine Pollution Bulletin, 2017, 123, 269-278.	2.3	36
287	City-Strata of the Anthropocene. Annales Histoire Sciences Sociales (English Edition), 2017, 72, 225-245.	0.1	2
288	Water Pollution Control Technologies. , 2017, , 3-22.		9
289	Using Numerical Model Simulations to Improve the Understanding of Micro-plastic Distribution and Pathways in the Marine Environment. Frontiers in Marine Science, 2017, 4, .	1.2	157
290	Lagrangian Transport of Marine Litter in the Mediterranean Sea. Frontiers in Environmental Science, 2017, 5, .	1.5	79

#	Article	IF	Citations
291	Distribution and Modeled Transport of Plastic Pollution in the Great Lakes, the World's Largest Freshwater Resource. Frontiers in Environmental Science, 2017, 5, .	1.5	100
292	Plastic Pollution Patterns in Offshore, Nearshore and Estuarine Waters: A Case Study from Perth, Western Australia. Frontiers in Marine Science, 2017, 4, .	1.2	22
293	Toward a Harmonized Approach for Monitoring of Riverine Floating Macro Litter Inputs to the Marine Environment. Frontiers in Marine Science, 2017, 4, .	1.2	93
294	Microplastics Baseline Surveys at the Water Surface and in Sediments of the North-East Atlantic. Frontiers in Marine Science, 2017, 4, .	1.2	204
295	Plastic Debris Occurrence, Convergence Areas and Fin Whales Feeding Ground in the Mediterranean Marine Protected Area Pelagos Sanctuary: A Modeling Approach. Frontiers in Marine Science, 0, 4, .	1.2	158
296	Modeling the Fate and Distribution of Floating Litter Particles in the Aegean Sea (E. Mediterranean). Frontiers in Marine Science, 2017, 4, .	1.2	44
297	Editorial: Plastic Pollution. Frontiers in Marine Science, 2017, 4, .	1.2	8
298	Geolocation Reveals Year-Round at-Sea Distribution and Activity of a Superabundant Tropical Seabird, the Sooty Tern Onychoprion fuscatus. Frontiers in Marine Science, 2017, 4, .	1.2	22
299	Enzymatic Degradation of Aromatic and Aliphatic Polyesters by P. pastoris Expressed Cutinase 1 from Thermobifida cellulosilytica. Frontiers in Microbiology, 2017, 8, 938.	1.5	62
300	The Problem of Marine Plastic Debris. , 2017, , 1-55.		12
301	Regulatory Framework. , 2017, , 361-413.		2
302	Development of tailored indigenous marine consortia for the degradation of naturally weathered polyethylene films. PLoS ONE, 2017, 12, e0183984.	1.1	82
303	The Role of Laboratory Experiments in the Validation of Field Data. Comprehensive Analytical Chemistry, 2017, 75, 241-273.	0.7	6
304	CZMIL as a rapid environmental disaster response tool. , 2017, , .		0
306	Polystyrene as Hazardous Household Waste. , 0, , .		25
307	Marine Debris. , 0, , 389-408.		1
308	Distribution and biological implications of plastic pollution on the fringing reef of Moâ€™orea, French Polynesia. PeerJ, 2017, 5, e3733.	0.9	26
309	A Surface â€œSuperconvergenceâ€•Pathway Connecting the South Indian Ocean to the Subtropical South Pacific Gyre. Geophysical Research Letters, 2018, 45, 1915-1922.	1.5	36

#	Article	IF	Citations
310	Spatio-temporal comparison of neustonic microplastic density in Hong Kong waters under the influence of the Pearl River Estuary. Science of the Total Environment, 2018, 628-629, 731-739.	3.9	121
311	Observation of the degradation of three types of plastic pellets exposed to UV irradiation in three different environments. Science of the Total Environment, 2018, 628-629, 740-747.	3.9	323
312	Microplastics in oysters Saccostrea cucullata along the Pearl River Estuary, China. Environmental Pollution, 2018, 236, 619-625.	3.7	235
313	Mitigation measures to avert the impacts of plastics and microplastics in the marine environment (a) Tj ETQq1 1 0.784314 rgBT /Ove	2.7	102
314	Microplastics in sub-surface waters of the Arctic Central Basin. Marine Pollution Bulletin, 2018, 130, 8-18.	2.3	295
315	Influence of microplastics on the toxicity of the pharmaceuticals procainamide and doxycycline on the marine microalgae Tetraselmis chuii. Aquatic Toxicology, 2018, 197, 143-152.	1.9	230
316	Marine environment microfiber contamination: Global patterns and the diversity of microparticle origins. Environmental Pollution, 2018, 237, 275-284.	3.7	320
317	Toxicological effects of irregularly shaped and spherical microplastics in a marine teleost, the sheepshead minnow (Cyprinodon variegatus). Marine Pollution Bulletin, 2018, 129, 231-240.	2.3	266
318	Contamination of table salts from Turkey with microplastics. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 1006-1014.	1.1	161
319	Optimising beached litter monitoring protocols through aerial imagery. Marine Pollution Bulletin, 2018, 131, 212-217.	2.3	64
320	Ten inconvenient questions about plastics in the sea. Environmental Science and Policy, 2018, 85, 146-154.	2.4	57
321	A new approach for the agglomeration and subsequent removal of polyethylene, polypropylene, and mixtures of both from freshwater systems â€“ a case study. Environmental Science and Pollution Research, 2018, 25, 15226-15234.	2.7	48
322	Multi-temporal surveys for microplastic particles enabled by a novel and fast application of SWIR imaging spectroscopy â€“ Study of an urban watercourse traversing the city of Berlin, Germany. Environmental Pollution, 2018, 239, 579-589.	3.7	82
323	Factors determining the occurrence of anthropogenic materials in nests of the white stork Ciconia ciconia. Environmental Science and Pollution Research, 2018, 25, 14726-14733.	2.7	46
324	Agglomeration of nano- and microplastic particles in seawater by autochthonous and de novo-produced sources of exopolymeric substances. Marine Pollution Bulletin, 2018, 130, 258-267.	2.3	137
325	Lost but can't be neglected: Huge quantities of small microplastics hide in the South China Sea. Science of the Total Environment, 2018, 633, 1206-1216.	3.9	238
326	Interaction of toxic chemicals with microplastics: A critical review. Water Research, 2018, 139, 208-219.	5.3	612
327	The impact of nanoplastics on marine dissolved organic matter assembly. Science of the Total Environment, 2018, 634, 316-320.	3.9	58

#	Article	IF	Citations
328	Ingestion of plastic by fish destined for human consumption in remote South Pacific Islands. Australian Journal of Maritime and Ocean Affairs, 2018, 10, 81-97.	1.1	41
329	Plastic ingestion by juvenile polar cod (Boreogadus saida) in the Arctic Ocean. Polar Biology, 2018, 41, 1269-1278.	0.5	89
330	Human footprint in the abyss: 30 year records of deep-sea plastic debris. Marine Policy, 2018, 96, 204-212.	1.5	301
331	Trophic transfer of microplastics and mixed contaminants in the marine food web and implications for human health. Environment International, 2018, 115, 400-409.	4.8	843
332	Dissolved organic carbon leaching from plastics stimulates microbial activity in the ocean. Nature Communications, 2018, 9, 1430.	5.8	402
334	Human Activities and Climate Change. , 2018, , 401-408.		2
335	The boundary current role on the transport and stranding of floating marine litter: The French Riviera case. Continental Shelf Research, 2018, 155, 11-20.	0.9	48
336	Marine Litter. , 2018, , 447-461.		2
337	Plastic ingestion by Tristram's Storm-petrel (Oceanodroma tristrami) chicks from French frigate shoals, Northwestern Hawaiian Islands. Marine Pollution Bulletin, 2018, 128, 369-378.	2.3	22
338	Composition and abundance of marine debris stranded on the beaches of Sri Lanka: Results from the first island-wide survey. Marine Pollution Bulletin, 2018, 128, 126-131.	2.3	57
339	Assessing the Economic Benefits of Reductions in Marine Debris at Southern California Beaches: A Random Utility Travel Cost Model. Marine Resource Economics, 2018, 33, 133-153.	1.1	29
340	Collected marine litter â€" A growing waste challenge. Marine Pollution Bulletin, 2018, 128, 162-174.	2.3	80
341	Occurrence of microplastics in commercial fish from a natural estuarine environment. Marine Pollution Bulletin, 2018, 128, 575-584.	2.3	387
342	Microplastics contamination in molluscs from the northern part of the Persian Gulf. Environmental Pollution, 2018, 235, 113-120.	3.7	261
343	Spatio-temporal variation of anthropogenic marine debris on Chilean beaches. Marine Pollution Bulletin, 2018, 126, 516-524.	2.3	109
344	Micro-plastic ingestion by waterbirds from contaminated wetlands in South Africa. Marine Pollution Bulletin, 2018, 126, 330-333.	2.3	139
345	An airborne remote sensing case study of synthetic hydrocarbon detection using short wave infrared absorption features identified from marine-harvested macro- and microplastics. Remote Sensing of Environment, 2018, 205, 224-235.	4.6	119
346	Microplastics in Polar Regions: The role of long range transport. Current Opinion in Environmental Science and Health, 2018, 1, 24-29.	2.1	147

#	Article	IF	Citations
347	Micro(nanoplastics) in the marine environment: Current knowledge and gaps. Current Opinion in Environmental Science and Health, 2018, 1, 47-51.	2.1	132
348	Airborne microplastics: Consequences to human health?. Environmental Pollution, 2018, 234, 115-126.	3.7	867
349	Anticyclonic eddies increase accumulation of microplastic in the North Atlantic subtropical gyre. Marine Pollution Bulletin, 2018, 126, 191-196.	2.3	104
350	Erosion as a possible mechanism for the decrease of size of plastic pieces floating in oceans. Marine Pollution Bulletin, 2018, 127, 387-395.	2.3	52
351	Microplastics in Juvenile Commercial Fish from an Estuarine Environment. Springer Water, 2018, , 131-135.	0.2	13
352	A revisited conceptualization of plastic pollution accumulation in marine environments: Insights from a social ecological economics perspective. Marine Policy, 2018, 96, 221-226.	1.5	9
353	Synthetic microfibers in the marine environment: A review on their occurrence in seawater and sediments. Marine Pollution Bulletin, 2018, 127, 365-376.	2.3	300
354	Low prevalence of microplastic contamination in planktivorous fish species from the southeast Pacific Ocean. Marine Pollution Bulletin, 2018, 127, 211-216.	2.3	169
355	Microplastics and Nanoplastics in Aquatic Environments: Aggregation, Deposition, and Enhanced Contaminant Transport. Environmental Science & Technology, 2018, 52, 1704-1724.	4.6	1,560
356	Surface Connectivity and Interocean Exchanges From Drifterâ€Based Transition Matrices. Journal of Geophysical Research: Oceans, 2018, 123, 514-532.	1.0	29
357	Ingestion of microplastics and natural fibres in Sardina pilchardus (Walbaum, 1792) and Engraulis encrasicolus (Linnaeus, 1758) along the Spanish Mediterranean coast. Marine Pollution Bulletin, 2018, 128, 89-96.	2.3	203
358	Ingestion of microplastic debris by green sea turtles (Chelonia mydas) in the Great Barrier Reef: Validation of a sequential extraction protocol. Marine Pollution Bulletin, 2018, 127, 743-751.	2.3	123
359	Microplastics in the benthic invertebrates from the coastal waters of Kochi, Southeastern Arabian Sea. Environmental Geochemistry and Health, 2018, 40, 1377-1383.	1.8	80
360	Marine litter plastics and microplastics and their toxic chemicals components: the need for urgent preventive measures. Environmental Sciences Europe, 2018, 30, 13.	2.6	438
361	Use of unmanned aerial vehicles for efficient beach litter monitoring. Marine Pollution Bulletin, 2018, 131, 662-673.	2.3	135
362	Accumulation of marine microplastics along a trophic gradient as determined by an agent-based model. Ecological Informatics, 2018, 45, 81-84.	2.3	5
363	Accumulation of polystyrene microplastics in juvenile Eriocheir sinensis and oxidative stress effects in the liver. Aquatic Toxicology, 2018, 200, 28-36.	1.9	399
364	Polyhydroxybutyrate (PHB): A Standout Biopolymer for Environmental Sustainability. , 2018, , 1-23.		12

#	Article	IF	Citations
365	Evidence of niche partitioning among bacteria living on plastics, organic particles and surrounding seawaters. Environmental Pollution, 2018, 236, 807-816.	3.7	279
366	Microplastic pollution in the surface waters of Italian Subalpine Lakes. Environmental Pollution, 2018, 236, 645-651.	3.7	250
367	A workflow for improving estimates of microplastic contamination in marine waters: A case study from North-Western Australia. Environmental Pollution, 2018, 238, 26-38.	3.7	94
368	Biodiversity, coastal protection and resource endowment: Policy options for improving ocean health. Journal of Policy Modeling, 2018, 40, 242-264.	1.7	10
369	Spatial distribution of marine litter along italian coastal areas in the Pelagos sanctuary (Ligurian Sea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 140-152.	2.3	48
370	Virgin microplastics are not causing imminent harm to fish after dietary exposure. Marine Pollution Bulletin, 2018, 130, 123-131.	2.3	184
371	A novel way to rapidly monitor microplastics in soil by hyperspectral imaging technology and chemometrics. Environmental Pollution, 2018, 238, 121-129.	3.7	138
372	Evidence that the Great Pacific Garbage Patch is rapidly accumulating plastic. Scientific Reports, 2018, 8, 4666.	1.6	1,037
373	Is the microplastic selective according to the habitat? Records in amphioxus sands, MÃerl bed habitats and Cymodocea nodosa habitats. Marine Pollution Bulletin, 2018, 130, 179-183.	2.3	47
374	Bioactive mesoporous silica nanocomposite films obtained from native and transglutaminase-crosslinked bitter vetch proteins. Food Hydrocolloids, 2018, 82, 106-115.	5.6	40
375	Environmentally relevant microplastic exposure affects sediment-dwelling bivalves. Environmental Pollution, 2018, 236, 652-660.	3.7	147
376	Turning microplastics into nanoplastics through digestive fragmentation by Antarctic krill. Nature Communications, 2018, 9, 1001.	5.8	632
377	Microplastic contamination of river beds significantly reduced by catchment-wide flooding. Nature Geoscience, 2018, 11, 251-257.	5.4	572
378	The power of environmental norms: marine plastic pollution and the politics of microbeads. Environmental Politics, 2018, 27, 579-597.	3.4	120
379	Rocky shoreline protocols miss microplastics in marine debris surveys (Fogo Island, Newfoundland) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	30
380	Are We Underestimating Microplastic Contamination in Aquatic Environments?. Environmental Management, 2018, 61, 1-8.	1.2	190
381	No increase in marine microplastic concentration over the last three decades â€“ A case study from the Baltic Sea. Science of the Total Environment, 2018, 621, 1272-1279.	3.9	152
382	Evaluation of microplastic release caused by textile washing processes of synthetic fabrics. Environmental Pollution, 2018, 236, 916-925.	3.7	439

#	Article	IF	Citations
383	Occurrences of organophosphorus esters and phthalates in the microplastics from the coastal beaches in north China. Science of the Total Environment, 2018, 616-617, 1505-1512.	3.9	49
384	Microplastic sampling with the AVANI trawl compared to two neuston trawls in the Bay of Bengal and South Pacific. Environmental Pollution, 2018, 232, 430-439.	3.7	106
385	Beach litter dynamics on Mediterranean coasts: Distinguishing sources and pathways. Marine Pollution Bulletin, 2018, 129, 448-457.	2.3	122
386	Integrated Design and Testing of an Anemometer for Autonomous Sail Drones. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	8
387	Modeling the Fate and Transport of Plastic Debris in Freshwaters: Review and Guidance. Handbook of Environmental Chemistry, 2018, , 125-152.	0.2	78
388	Occurrence of microplastics in surface waters of the Gulf of Lion (NW Mediterranean Sea). Progress in Oceanography, 2018, 163, 214-220.	1.5	139
389	Microplastic: What Are the Solutions?. Handbook of Environmental Chemistry, 2018, , 273-298.	0.2	42
390	Pollutants in Plastics within the North Pacific Subtropical Gyre. Environmental Science & Technology, 2018, 52, 446-456.	4.6	121
391	Analysis, Occurrence, and Degradation of Microplastics in the Aqueous Environment. Handbook of Environmental Chemistry, 2018, , 51-67.	0.2	130
392	Marine plastic pollution as a planetary boundary threat â€“ The drifting piece in the sustainability puzzle. Marine Policy, 2018, 96, 213-220.	1.5	307
393	Compensation and consistency effects in proenvironmental behaviour: The moderating role of majority and minority support for proenvironmental values. Group Processes and Intergroup Relations, 2018, 21, 403-421.	2.4	20
394	Negative effects of microplastic exposure on growth and development of Crepidula onyx. Environmental Pollution, 2018, 233, 588-595.	3.7	146
395	Effects of polystyrene microplastics on early stages of two marine invertebrates with different feeding strategies. Environmental Pollution, 2018, 237, 1080-1087.	3.7	123
396	Concept for a hyperspectral remote sensing algorithm for floating marine macro plastics. Marine Pollution Bulletin, 2018, 126, 255-262.	2.3	70
397	Occurrence of microplastics and its pollution in the environment: A review. Sustainable Production and Consumption, 2018, 13, 16-23.	5.7	203
398	Impacts of temperature and selected chemical digestion methods on microplastic particles. Environmental Toxicology and Chemistry, 2018, 37, 91-98.	2.2	235
399	Plastic Waste is Exponentially Filling our Oceans, but where are the Robots?. , 2018, , .		11
400	The combination of spectroscopy, microscopy, and profilometry methods for the physical and chemical characterization of environmentally relevant microplastics. Analytical Methods, 2018, 10, 4909-4916.	1.3	9

#	Article	IF	Citations
401	3D printing of a self-healing nanocomposite for stretchable sensors. Journal of Materials Chemistry C, 2018, 6, 12180-12186.	2.7	70
402	OBSOLETE: Human activities and climate change. , 2018, , .		0
403	Chapter 11 Renewing Materials: Implementing 3D Printing and Distributed Recycling in Samoa. , 2018, , 191-212.		0
404	Cell-free prototyping strategies for enhancing the sustainable production of polyhydroxyalkanoates bioplastics. Synthetic Biology, 2018, 3, ysy016.	1.2	39
405	OpenLitterMap.com â€“ Open DataÂon Plastic PollutionÂwith Blockchain Rewards (Littercoin). Open Geospatial Data, Software and Standards, 2018, 3, .	4.3	31
406	Estimation and prediction of plastic waste annual input into the sea from China. Acta Oceanologica Sinica, 2018, 37, 26-39.	0.4	42
407	Detecting Microplastics Pollution in World Oceans Using Sar Remote Sensing. , 2018, , .		21
408	Phthalates and bisphenol-A residues in water samples: an innovative analytical approach. Rendiconti Lincei, 2018, 29, 831-840.	1.0	9
409	Brominated Flame Retardants, Microplastics, and Biocides in the Marine Environment: Recent Updates of Occurrence, Analysis, and Impacts. Advances in Marine Biology, 2018, 81, 167-211.	0.7	15
410	Microplastic fiber uptake, ingestion, and egestion rates in the blue mussel (Mytilus edulis). Marine Pollution Bulletin, 2018, 137, 638-645.	2.3	211
411	Polystyrene microplastics increase microbial release of marine Chromophoric Dissolved Organic Matter in microcosm experiments. Scientific Reports, 2018, 8, 14635.	1.6	58
412	Drinking water in West Virginia (USA): tap water or bottled water â€“ what is the right choice for college students?. Journal of Water and Health, 2018, 16, 827-838.	1.1	21
413	The imprint of microfibres in southern European deep seas. PLoS ONE, 2018, 13, e0207033.	1.1	139
414	Biodegradation of Microplastic Derived from Poly(ethylene terephthalate) with Bacterial Whole-Cell Biocatalysts. Polymers, 2018, 10, 1326.	2.0	100
415	Amorphous Carbon Chips Li-Ion Battery Anodes Produced through Polyethylene Waste Upcycling. ACS Omega, 2018, 3, 17520-17527.	1.6	53
416	Horizontal and Vertical Distribution of Microplastics in Korean Coastal Waters. Environmental Science & Technology, 2018, 52, 12188-12197.	4.6	218
417	Floating plastics in Adriatic waters (Mediterranean Sea): From the macro- to the micro-scale. Marine Pollution Bulletin, 2018, 136, 341-350.	2.3	99
418	Enhanced adsorption of oxytetracycline to weathered microplastic polystyrene: Kinetics, isotherms and influencing factors. Environmental Pollution, 2018, 243, 1550-1557.	3.7	452

#	Article	IF	Citations
419	Microplastic and charred microplastic in the Faafu Atoll, Maldives. Marine Pollution Bulletin, 2018, 136, 464-471.	2.3	103
420	Sensing Ocean Plastics with an Airborne Hyperspectral Shortwave Infrared Imager. Environmental Science & Technology, 2018, 52, 11699-11707.	4.6	69
421	Presence of microplastics in benthic and epibenthic organisms: Influence of habitat, feeding mode and trophic level. Environmental Pollution, 2018, 243, 1217-1225.	3.7	195
422	A watershed-scale, citizen science approach to quantifying microplastic concentration in a mixed land-use river. Water Research, 2018, 147, 382-392.	5.3	171
423	Environmental Mobilities: An Alternative Lens to Global Environmental Governance. Global Environmental Politics, 2018, 18, 107-126.	1.7	25
424	Travelling light: Fouling biota on macroplastics arriving on beaches of remote Rapa Nui (Easter) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.3	53
425	The use of anthropogenic marine debris as a nesting material by brown boobies (Sula leucogaster). Marine Pollution Bulletin, 2018, 137, 96-103.	2.3	33
426	Pyr-GC/MS analysis of microplastics extracted from the stomach content of benthivore fish from the Texas Gulf Coast. Marine Pollution Bulletin, 2018, 137, 91-95.	2.3	66
427	Reducing marine pollution from single-use plastics (SUPs): A review. Marine Pollution Bulletin, 2018, 137, 157-171.	2.3	361
428	How Water Bottle Refill Stations Contribute to Campus Sustainability: A Case Study in Japan. Sustainability, 2018, 10, 3074.	1.6	19
429	Microplastic in marine organism: Environmental and toxicological effects. Environmental Toxicology and Pharmacology, 2018, 64, 164-171.	2.0	481
430	Trapping of plastics in semi-enclosed seas: Insights from the Bohai Sea, China. Marine Pollution Bulletin, 2018, 137, 509-517.	2.3	37
431	Comparisons of analytical chemistry and biological activities of extracts from North Pacific gyre plastics with UV-treated and untreated plastics using in vitro and in vivo models. Environment International, 2018, 121, 942-954.	4.8	47
432	Microplastics in soils: Analytical methods, pollution characteristics and ecological risks. TrAC - Trends in Analytical Chemistry, 2018, 109, 163-172.	5.8	599
433	Spatial and temporal trends of marine litter in the Spanish Mediterranean seafloor. Marine Pollution Bulletin, 2018, 137, 252-261.	2.3	33
434	Proof of concept for a model of light reflectance of plastics floating on natural waters. Marine Pollution Bulletin, 2018, 135, 1145-1157.	2.3	38
435	First detection of plastic microfibers in a wild population of South American fur seals (Arctocephalus australis) in the Chilean Northern Patagonia. Marine Pollution Bulletin, 2018, 136, 50-54.	2.3	57
436	Retrospective study of foreign body-associated pathology in stranded cetaceans, Canary Islands (2000â€“2015). Environmental Pollution, 2018, 243, 519-527.	3.7	42

#	Article	IF	Citations
437	Distribution and composition of benthic marine litter on the shelf of Antalya in the eastern Mediterranean. Marine Pollution Bulletin, 2018, 136, 171-176.	2.3	33
438	Up and away: ontogenic transference as a pathway for aerial dispersal of microplastics. Biology Letters, 2018, 14, 20180479.	1.0	88
439	Synthetic Polymer Contamination in Bottled Water. Frontiers in Chemistry, 2018, 6, 407.	1.8	531
440	A quantitative analysis linking sea turtle mortality and plastic debris ingestion. Scientific Reports, 2018, 8, 12536.	1.6	148
441	Plastic Pollution and Potential Solutions. Science Progress, 2018, 101, 207-260.	1.0	328
442	Pollution and coral damage caused by derelict fishing gear on coral reefs around Koh Tao, Gulf of Thailand. Marine Pollution Bulletin, 2018, 135, 1107-1116.	2.3	75
443	Field-Based Evidence for Microplastic in Marine Aggregates and Mussels: Implications for Trophic Transfer. Environmental Science & Technology, 2018, 52, 11038-11048.	4.6	165
444	Ability of fungi isolated from plastic debris floating in the shoreline of a lake to degrade plastics. PLoS ONE, 2018, 13, e0202047.	1.1	107
445	Perceptions of multi-stresses impacting livelihoods of marine fishermen. Marine Policy, 2018, 97, 18-26.	1.5	8
446	ESTIMATION OF TEMPORAL VARIATIONS AND ANNUAL FLUX OF MICROPLASTICS IN RIVERS UNDER LOW- AND HIGH-FLOW CONDITIONS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2018, 74, I_529-I_534.	0.0	2
447	Initial data on adsorption of Cs and Sr to the surfaces of microplastics with biofilm. Journal of Environmental Radioactivity, 2018, 190-191, 130-133.	0.9	89
448	Spatial occurrence and effects of microplastic ingestion on the deep-water shrimp Aristeus antennatus. Marine Pollution Bulletin, 2018, 133, 44-52.	2.3	91
449	Soybean Oil-Based Thermoset Films and Fibers with High Biobased Carbon Content via Thiolâ€“Ene Photopolymerization. ACS Sustainable Chemistry and Engineering, 2018, 6, 8364-8373.	3.2	20
450	Biodegradability standards for carrier bags and plastic films in aquatic environments: a critical review. Royal Society Open Science, 2018, 5, 171792.	1.1	171
451	Sorption of fluorescent polystyrene microplastic particles to edible seaweed Fucus vesiculosus. Journal of Applied Phycology, 2018, 30, 2923-2927.	1.5	113
452	Distribution and trajectories of floating and benthic marine macrolitter in the south-eastern North Sea. Marine Pollution Bulletin, 2018, 131, 763-772.	2.3	56
453	Marine litter in south Bay of Biscay: Local differences in beach littering are associated with citizen perception and awareness. Marine Pollution Bulletin, 2018, 131, 727-735.	2.3	45
454	Microplastics in mussels and fish from the Northern Ionian Sea. Marine Pollution Bulletin, 2018, 135, 30-40.	2.3	327

#	Article	IF	Citations
455	Sorption of Toxic Chemicals on Microplastics. , 2018, , 225-247.		12
456	Cationic polystyrene nanoparticle and the sea urchin immune system: biocorona formation, cell toxicity, and multixenobiotic resistance phenotype. Nanotoxicology, 2018, 12, 847-867.	1.6	64
457	Persistent marine litter: small plastics and cigarette butts remain on beaches after organized beach cleanups. Environmental Monitoring and Assessment, 2018, 190, 414.	1.3	49
458	Marine Microplastics: Abundance, Distribution, and Composition. , 2018, , 1-26.		46
459	Maternal transfer of nanoplastics to offspring in zebrafish (Danio rerio): A case study with nanopolystyrene. Science of the Total Environment, 2018, 643, 324-334.	3.9	241
460	Microplastics in the Terrestrial Environment. , 2018, , 365-378.		17
461	Plastic pellets, meso- and microplastics on the coastline of Northern Crete: Distribution and organic pollution. Marine Pollution Bulletin, 2018, 133, 578-589.	2.3	72
462	Toxicities of polystyrene nano- and microplastics toward marine bacterium Halomonas alkaliphila. Science of the Total Environment, 2018, 642, 1378-1385.	3.9	248
463	Spatio-temporal variability of beached macro-litter on remote islands of the North Atlantic. Marine Pollution Bulletin, 2018, 133, 304-311.	2.3	62
464	Thermogravimetric analysis and kinetic study of marine plastic litter. Marine Pollution Bulletin, 2018, 133, 472-477.	2.3	12
465	Marine litter disrupts ecological processes in reef systems. Marine Pollution Bulletin, 2018, 133, 464-471.	2.3	70
466	Ingestion of marine debris by Wedge-tailed Shearwaters (Ardenna pacifica) on Lord Howe Island, Australia during 2005â€“2018. Marine Pollution Bulletin, 2018, 133, 616-621.	2.3	26
468	Colonization of Non-biodegradable and Biodegradable Plastics by Marine Microorganisms. Frontiers in Microbiology, 2018, 9, 1571.	1.5	190
469	Polystyrene microplastics alter the behavior, energy reserve and nutritional composition of marine jacopever (Sebastes schlegelii). Journal of Hazardous Materials, 2018, 360, 97-105.	6.5	295
470	Application of nuclear techniques to environmental plastics research. Journal of Environmental Radioactivity, 2018, 192, 368-375.	0.9	36
471	Using citizen science data to assess the difference in marine debris loads on reefs in Queensland, Australia. Marine Pollution Bulletin, 2018, 135, 458-465.	2.3	11
472	Ingested microplastic as a two-way transporter for PBDEs in Talitrus saltator. Environmental Research, 2018, 167, 411-417.	3.7	87
473	Impacts of Marine Plastic Pollution From Continental Coasts to Subtropical Gyresâ€”Fish, Seabirds, and Other Vertebrates in the SE Pacific. Frontiers in Marine Science, 2018, 5, .	1.2	158

#	Article	IF	Citations
474	First data on plastic ingestion by blue sharks (Prionace glauca) from the Ligurian Sea (North-Western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.5	59
475	Biodegradation and Bioremediation: An Introduction. , 2018, , 1-21.		1
476	Optimization, performance, and application of a pyrolysis-GC/MS method for the identification of microplastics. Analytical and Bioanalytical Chemistry, 2018, 410, 6663-6676.	1.9	196
477	Seismic Acquisition: Going the Extra Environmental Mile. , 2018, , .		0
478	Sustainability Impact Assessment of Increased Plastic Recycling and Future Pathways of Plastic Waste Management in Sweden. Recycling, 2018, 3, 33.	2.3	46
479	Frequency of Microplastics in Mesopelagic Fishes from the Northwest Atlantic. Frontiers in Marine Science, 2018, 5, .	1.2	95
480	Microplastics as Vehicles of Environmental PAHs to Marine Organisms: Combined Chemical and Physical Hazards to the Mediterranean Mussels, Mytilus galloprovincialis. Frontiers in Marine Science, 2018, 5, .	1.2	248
481	Ecotoxicological Effects of Chemical Contaminants Adsorbed to Microplastics in the Clam Scrobicularia plana. Frontiers in Marine Science, 2018, 5, .	1.2	126
482	Microplastic bacterial communities in the Bay of Brest: Influence of polymer type and size. Environmental Pollution, 2018, 242, 614-625.	3.7	280
483	Cigarette Waste in Popular Beaches in Thailand: High Densities that Demand Environmental Action. International Journal of Environmental Research and Public Health, 2018, 15, 630.	1.2	20
484	Microplastics disturb the anthozoan-algae symbiotic relationship. Marine Pollution Bulletin, 2018, 135, 83-89.	2.3	76
485	Valorization of Arundo donax for the production of high performance lignocellulosic films. Carbohydrate Polymers, 2018, 199, 276-285.	5.1	24
486	Connecting flux, deposition and resuspension in coastal debris surveys. Science of the Total Environment, 2018, 644, 1019-1026.	3.9	53
487	Degradation of plastics and plastic-degrading bacteria in cold marine habitats. Applied Microbiology and Biotechnology, 2018, 102, 7669-7678.	1.7	340
488	Bioplastic reservoir of diverse bacterial communities revealed along altitude gradient of Pangi-Chamba trans-Himalayan region. FEMS Microbiology Letters, 2018, 365, .	0.7	30
489	Suspended microplastics in a highly polluted bay: Abundance, size, and availability for mesozooplankton. Marine Pollution Bulletin, 2018, 135, 256-265.	2.3	65
490	Preferential accumulation of small (<300â€Î¼m) microplastics in the sediments of a coastal plain river network in eastern China. Water Research, 2018, 144, 393-401.	5.3	160
491	Advances in Processing Chitin as a Promising Biomaterial from Ionic Liquids. Advances in Biochemical Engineering/Biotechnology, 2018, 168, 177-198.	0.6	9

#	Article	IF	Citations
492	A zero percent plastic ingestion rate by silver hake (Merluccius bilinearis) from the south coast of Newfoundland, Canada. Marine Pollution Bulletin, 2018, 131, 267-275.	2.3	28
493	Oceans of plastic: A research agenda to propel policy development. Marine Policy, 2018, 96, 291-298.	1.5	71
494	Why is the global governance of plastic failing the oceans?. Global Environmental Change, 2018, 51, 22-31.	3.6	251
495	Microplastics in Seafood and the Implications for Human Health. Current Environmental Health Reports, 2018, 5, 375-386.	3.2	954
496	Type and quantity of coastal debris pollution in Taiwan: A 12-year nationwide assessment using citizen science data. Marine Pollution Bulletin, 2018, 135, 862-872.	2.3	32
497	Plastic ingestion and trophic transfer between Easter Island flying fish (Cheilopogon rapanouiensis) and yellowfin tuna (Thunnus albacares) from Rapa Nui (Easter Island). Environmental Pollution, 2018, 243, 127-133.	3.7	98
498	Dumping to the abyss: single-use marine litter invading bathyal plains of the Sardinian margin (Tyrrhenian Sea). Marine Pollution Bulletin, 2018, 135, 845-851.	2.3	36
499	A critical review on the sources and instruments of marine microplastics and prospects on the relevant management in China. Waste Management and Research, 2018, 36, 898-911.	2.2	98
500	Sea Water Contamination in the Vicinity of the Italian Minor Islands Caused by Microplastic Pollution. Water (Switzerland), 2018, 10, 1108.	1.2	36
501	Sampling, Sorting, and Characterizing Microplastics in Aquatic Environments with High Suspended Sediment Loads and Large Floating Debris. Journal of Visualized Experiments, 2018, , .	0.2	3
502	Microplastics in Galway Bay: A comparison of sampling and separation methods. Marine Pollution Bulletin, 2018, 135, 932-940.	2.3	56
503	Quantification of microfibre levels in South Africa's beach sediments, and evaluation of spatial and temporal variability from 2016 to 2017. Marine Pollution Bulletin, 2018, 135, 481-489.	2.3	43
504	First evaluation of floating microplastics in the Northwestern Adriatic Sea. Environmental Science and Pollution Research, 2018, 25, 28546-28561.	2.7	55
505	Nanoplastics impaired oyster free living stages, gametes and embryos. Environmental Pollution, 2018, 242, 1226-1235.	3.7	192
506	Microplastic abundance and characteristics in French Atlantic coastal sediments using a new extraction method. Environmental Pollution, 2018, 243, 228-237.	3.7	97
507	Growth kinetics and biodeterioration of polypropylene microplastics by Bacillus sp. and Rhodococcus sp. isolated from mangrove sediment. Marine Pollution Bulletin, 2018, 127, 15-21.	2.3	394
508	Ingested Micronizing Plastic Particle Compositions and Size Distributions within Stranded Post-Hatchling Sea Turtles. Environmental Science & Technology, 2018, 52, 10307-10316.	4.6	50
509	Microplastic pollution in sediments from the Bohai Sea and the Yellow Sea, China. Science of the Total Environment, 2018, 640-641, 637-645.	3.9	358

#	Article	IF	Citations
510	Behavior of Microplastics in Coastal Zones. , 2018, , 175-223.		31
511	Monitoring multi-year macro ocean litter dynamics and backward-tracking simulation of litter origins on a remote island in the South China Sea. Environmental Research Letters, 2018, 13, 044021.	2.2	15
512	Polycyclic aromatic hydrocarbons affiliated with microplastics in surface waters of Bohai and Huanghai Seas, China. Environmental Pollution, 2018, 241, 834-840.	3.7	129
513	Identification of microplastics using Raman spectroscopy: Latest developments and future prospects. Water Research, 2018, 142, 426-440.	5.3	512
514	Uptake and transcriptional effects of polystyrene microplastics in larval stages of the Mediterranean mussel Mytilus galloprovincialis. Environmental Pollution, 2018, 241, 1038-1047.	3.7	98
515	Microplastic contamination in benthic organisms from the Arctic and sub-Arctic regions. Chemosphere, 2018, 209, 298-306.	4.2	152
516	The Occurrence, Fate, and Effects of Microplastics in the Marine Environment. , 2018, , 133-173.		14
517	Effects of microplastic exposure on the body condition and behaviour of planktivorous reef fish (Acanthochromis polyacanthus). PLoS ONE, 2018, 13, e0193308.	1.1	188
518	Microplastic hotspots in the Snake and Lower Columbia rivers: A journey from the Greater Yellowstone Ecosystem to the Pacific Ocean. Environmental Pollution, 2018, 241, 1082-1090.	3.7	163
519	Occurrence, Fate, and Effect of Microplastics in Freshwater Systems. , 2018, , 95-132.		39
520	Anthropogenic contamination of tap water, beer, and sea salt. PLoS ONE, 2018, 13, e0194970.	1.1	675
521	Microplastics in Marine Food Webs. , 2018, , 339-363.		36
522	Sorption properties of tylosin on four different microplastics. Chemosphere, 2018, 209, 240-245.	4.2	303
523	Marine microplastic debris: An emerging issue for food security, food safety and human health. Marine Pollution Bulletin, 2018, 133, 336-348.	2.3	947
524	Microplastic pollution on Caribbean beaches in the Lesser Antilles. Marine Pollution Bulletin, 2018, 133, 442-447.	2.3	86
525	Now, you see me: High concentrations of floating plastic debris in the coastal waters of the Balearic Islands (Spain). Marine Pollution Bulletin, 2018, 133, 636-646.	2.3	59
526	Abundance and characterization of microplastics in the coastal waters of Tuscany (Italy): The application of the MSFD monitoring protocol in the Mediterranean Sea. Marine Pollution Bulletin, 2018, 133, 543-552.	2.3	149
527	Pollution: Approaches to Pollution Control. , 2019, , 366-371.		2

#	Article	IF	Citations
528	Sustainability and Plastic Waste. , 2019, , 588-592.		3
529	Micro- and Macroplastics in Aquatic Ecosystems. , 2019, , 116-125.		3
530	Photocatalytic TiO₂ Micromotors for Removal of Microplastics and Suspended Matter. ACS Applied Materials & Interfaces, 2019, 11, 32937-32944.	4.0	221
531	Influence of Nearâ€Surface Currents on the Global Dispersal of Marine Microplastic. Journal of Geophysical Research: Oceans, 2019, 124, 6086-6096.	1.0	85
532	Microplastics in the environment: A critical review of current understanding and identification of future research needs. Environmental Pollution, 2019, 254, 113011.	3.7	379
533	From Macroplastic to Microplastic Litter: Occurrence, Composition, Source Identification and Interaction with Aquatic Organisms. Experiences from the Adriatic Sea. , 2019, , .		12
534	Occurrence of microplastics in landfill systems and their fate with landfill age. Water Research, 2019, 164, 114968.	5.3	222
535	Microplastics as Both a Sink and a Source of Bisphenol A in the Marine Environment. Environmental Science & Technology, 2019, 53, 10188-10196.	4.6	211
536	Sorption of antibiotics onto aged microplastics in freshwater and seawater. Marine Pollution Bulletin, 2019, 149, 110511.	2.3	163
537	Sorption of polyhalogenated carbazoles (PHCs) to microplastics. Marine Pollution Bulletin, 2019, 146, 718-728.	2.3	54
538	Anthropogenic Marine Debris assessment with Unmanned Aerial Vehicle imagery and deep learning: A case study along the beaches of the Republic of Maldives. Science of the Total Environment, 2019, 693, 133581.	3.9	111
539	Occurrence of tire wear particles and other microplastics within the tributaries of the Charleston Harbor Estuary, South Carolina, USA. Marine Pollution Bulletin, 2019, 145, 569-582.	2.3	158
540	Abundance and characteristics of microplastics in commercial marine fish from Malaysia. Marine Pollution Bulletin, 2019, 148, 5-15.	2.3	160
541	Plastic ingestion by fish: A global assessment. Environmental Pollution, 2019, 255, 112994.	3.7	74
542	Particle and salinity sensing for the marine environment via deep learning using a Raspberry Pi. Environmental Research Communications, 2019, 1, 035001.	0.9	21
543	Detection and Monitoring of Marine Pollution Using Remote Sensing Technologies. , 0, , .		32
544	Colonization Characteristics of Bacterial Communities on Plastic Debris Influenced by Environmental Factors and Polymer Types in the Haihe Estuary of Bohai Bay, China. Environmental Science & Technology, 2019, 53, 10763-10773.	4.6	148
545	Toward the Integrated Marine Debris Observing System. Frontiers in Marine Science, 2019, 6, .	1.2	178

#	Article	IF	Citations
546	Polyethylene microplastics do not increase bioaccumulation or toxicity of nonylphenol and 4-MBC to marine zooplankton. Science of the Total Environment, 2019, 692, 1-9.	3.9	55
547	A method for extracting soil microplastics through circulation of sodium bromide solutions. Science of the Total Environment, 2019, 691, 341-347.	3.9	121
548	A Response to Scientific and Societal Needs for Marine Biological Observations. Frontiers in Marine Science, 2019, 6, .	1.2	26
549	Technical note: On the importance of a three-dimensional approach for modelling the transport of neustic microplastics. Ocean Science, 2019, 15, 717-724.	1.3	21
550	The effect of tidal fluctuation on the accumulation of plastic debris in the Wonorejo River Estuary, Surabaya, Indonesia. Environmental Technology and Innovation, 2019, 15, 100420.	3.0	34
551	Microplastic contamination of table salts from Taiwan, including a global review. Scientific Reports, 2019, 9, 10145.	1.6	87
552	Benthic marine litter in shallow fishing grounds in the NW Mediterranean Sea. Waste Management, 2019, 95, 620-627.	3.7	20
553	Strong and thermally insulating polylactic acid/glass fiber composite foam fabricated by supercritical carbon dioxide foaming. International Journal of Biological Macromolecules, 2019, 138, 144-155.	3.6	48
554	Exploring microplastic ingestion by three deep-water elasmobranch species: A case study from the Tyrrhenian Sea. Environmental Pollution, 2019, 253, 342-350.	3.7	68
555	Impacts of polystyrene microplastics on the behavior and metabolism in a marine demersal teleost, black rockfish (Sebastes schlegelii). Journal of Hazardous Materials, 2019, 380, 120861.	6.5	130
556	Simultaneous fire safety enhancement and mechanical reinforcement of poly(lactic acid) biocomposites with hexaphenyl (nitrilotris(ethane-2,1-diyl))tris(phosphoramidate). Journal of Hazardous Materials, 2019, 380, 120856.	6.5	43
557	Energizing through Visuals: How Social Entrepreneurs Use Emotion-Symbolic Work for Social Change. Academy of Management Journal, 2019, 62, 1789-1817.	4.3	106
558	Quarterly variability of floating plastic debris in the marine protected area of the Menorca Channel (Spain). Environmental Pollution, 2019, 252, 1742-1754.	3.7	32
559	First evidence of microplastic contamination in the supraglacial debris of an alpine glacier. Environmental Pollution, 2019, 253, 297-301.	3.7	230
560	Spatial Environmental Heterogeneity Determines Young Biofilm Assemblages on Microplastics in Baltic Sea Mesocosms. Frontiers in Microbiology, 2019, 10, 1665.	1.5	112
561	Brain food? Trophic transfer and tissue retention of microplastics by the velvet swimming crab (Necora puber). Journal of Experimental Marine Biology and Ecology, 2019, 519, 151187.	0.7	34
562	Microplastics contamination in different trophic state lakes along the middle and lower reaches of Yangtze River Basin. Environmental Pollution, 2019, 254, 112951.	3.7	123
563	Mismanaged Plastic Waste: Far Side of the Moon. Education for Sustainability, 2019, , 57-71.	0.2	7

#	Article	IF	Citations
564	In vitro exposure to the next-generation plasticizer diisononyl cyclohexane-1,2-dicarboxylate (DINCH): cytotoxicity and genotoxicity assessment in human cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2019, 82, 526-536.	1.1	21
565	Microplastic pollution on the Persian Gulf shoreline: A case study of Bandar Abbas city, Hormozgan Province, Iran. Marine Pollution Bulletin, 2019, 145, 536-546.	2.3	55
566	Patterns, dynamics and consequences of microplastic ingestion by the temperate coral, Astrangia poculata. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190726.	1.2	97
567	Marine Debris in India: Quantifying Type and Abundance of Beach Litter Along Chennai, East Coast of India. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 217-230.	0.4	2
568	Sorption of sulfamethazine onto different types of microplastics: A combined experimental and molecular dynamics simulation study. Marine Pollution Bulletin, 2019, 145, 547-554.	2.3	141
569	Pyrolysis kinetic study of waste milk packets using thermogravimetric analysis and product characterization. Journal of Material Cycles and Waste Management, 2019, 21, 1350-1360.	1.6	24
570	The influence of human activity and morphological characteristics of beaches on plastic debris distribution along the Caspian Sea as a closed water body. Environmental Science and Pollution Research, 2019, 26, 25712-25724.	2.7	28
571	From Goods to Services: The Life Cycle Assessment Perspective. Journal of Service Science Research, 2019, 11, 17-45.	0.8	10
572	Plastics at sea: Treaty design for a global solution to marine plastic pollution. Environmental Science and Policy, 2019, 100, 94-104.	2.4	65
573	Fleur de Selâ€"An interregional monitor for microplastics mass load and composition in European coastal waters?. Journal of Analytical and Applied Pyrolysis, 2019, 144, 104711.	2.6	43
574	Assessing meso- and microplastic pollution in the Ligurian and Tyrrhenian Seas. Marine Pollution Bulletin, 2019, 149, 110572.	2.3	37
575	Microplastics on the Menu: Plastics Pollute Indonesian Manta Ray and Whale Shark Feeding Grounds. Frontiers in Marine Science, 2019, 6, .	1.2	55
576	Sorption of tri-n-butyl phosphate and tris(2-chloroethyl) phosphate on polyethylene and polyvinyl chloride microplastics in seawater. Marine Pollution Bulletin, 2019, 149, 110490.	2.3	56
577	Microplastics in the crustaceans Nephrops norvegicus and Aristeus antennatus: Flagship species for deep-sea environments?. Environmental Pollution, 2019, 255, 113107.	3.7	95
578	Using a marine microalga as a chassis for polyethylene terephthalate (PET) degradation. Microbial Cell Factories, 2019, 18, 171.	1.9	164
579	Microplastics in the surface water of small-scale estuaries in Shanghai. Marine Pollution Bulletin, 2019, 149, 110569.	2.3	85
580	Boops boops as a bioindicator of microplastic pollution along the Spanish Catalan coast. Marine Pollution Bulletin, 2019, 149, 110648.	2.3	52
581	Marine Debris Polymers on Main Hawaiian Island Beaches, Sea Surface, and Seafloor. Environmental Science & Technology, 2019, 53, 12218-12226.	4.6	56

#	Article	IF	Citations
582	Bioengineering a Future Free of Marine Plastic Waste. Frontiers in Marine Science, 2019, 6, .	1.2	33
583	Mixing of passive tracers at the ocean surface and its implications for plastic transport modelling. Environmental Research Communications, 2019, 1, 115001.	0.9	6
584	Marine protected areas invaded by floating anthropogenic litter: An example from the South Pacific. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 245-259.	0.9	55
585	The Fate of Marine Litter in Semi-Enclosed Seas: A Case Study of the Black Sea. Frontiers in Marine Science, 2019, 6, .	1.2	29
586	The Problem of Plastic Waste and Microplastics in the Seas and Oceans: Impact on Marine Organisms. Ribarstvo, Croatian Journal of Fisheries, 2019, 77, 51-56.	0.2	20
587	Microparticles in Table Salt: Levels and Chemical Composition of the Smallest Dimensional Fraction. Journal of Marine Science and Engineering, 2019, 7, 310.	1.2	31
588	Ocean pollution and warming oceans: toward ocean solutions and natural marine bioremediation. , 2019, , 495-518.		10
589	Release of Side-Chain Fluorinated Polymer-Containing Microplastic Fibers from Functional Textiles During Washing and First Estimates of Perfluoroalkyl Acid Emissions. Environmental Science & Technology, 2019, 53, 14329-14338.	4.6	61
590	Sea-surface microplastic concentrations along the coastal shelf of KwaZuluâ€“Natal, South Africa. Marine Pollution Bulletin, 2019, 149, 110514.	2.3	39
591	Synthetic microfibers in marine sediments and surface seawater from the Argentinean continental shelf and a Marine Protected Area. Marine Pollution Bulletin, 2019, 149, 110618.	2.3	40
593	Size-dependent elimination of ingested microplastics in the Mediterranean mussel Mytilus galloprovincialis. Marine Pollution Bulletin, 2019, 149, 110512.	2.3	71
594	Occurrence of surface sand microplastic and litter in Macajalar Bay, Philippines. Marine Pollution Bulletin, 2019, 149, 110521.	2.3	31
595	Plastics Biodestruction under the Impact of Caves Micromycetes. IOP Conference Series: Earth and Environmental Science, 2019, 272, 032068.	0.2	1
596	Hot-mould foaming of modified hemicelluloses and hydroxypropyl methylcellulose. Journal of Polymer Research, 2019, 26, 1.	1.2	4
597	Proteomic profile of the hard corona of charged polystyrene nanoparticles exposed to sea urchin Paracentrotus lividus coelomic fluid highlights potential drivers of toxicity. Environmental Science: Nano, 2019, 6, 2937-2947.	2.2	24
598	Environmental occurrences, fate, and impacts of microplastics. Ecotoxicology and Environmental Safety, 2019, 184, 109612.	2.9	259
599	Maternal exposure to different sizes of polystyrene microplastics during gestation causes metabolic disorders in their offspring. Environmental Pollution, 2019, 255, 113122.	3.7	152
600	Impacts of microplastics on growth and health of hermatypic corals are species-specific. Environmental Pollution, 2019, 254, 113074.	3.7	96

#	Article	IF	Citations
601	Modeling Plastics Exposure for the Marine Biota: Risk Maps for Fin Whales in the Pelagos Sanctuary (North-Western Mediterranean). Frontiers in Marine Science, 2019, 6, .	1.2	35
602	Challenges and opportunities for reduction of single use plastics in healthcare: A case study of single use infant formula bottles in two Irish maternity hospitals. Resources, Conservation and Recycling, 2019, 151, 104462.	5.3	30
603	Challenges for Sustained Observing and Forecasting Systems in the Mediterranean Sea. Frontiers in Marine Science, 2019, 6, .	1.2	47
604	Dynamics of Marine Debris Ingestion by Profitable Fishes Along The Estuarine Ecocline. Scientific Reports, 2019, 9, 13514.	1.6	24
605	A Synthesis of Opportunities for Applying the Telecoupling Framework to Marine Protected Areas. Sustainability, 2019, 11, 4450.	1.6	5
606	The Plastics Sunset and the Bio-Plastics Sunrise. Coatings, 2019, 9, 526.	1.2	36
607	A global mass budget for positively buoyant macroplastic debris in the ocean. Scientific Reports, 2019, 9, 12922.	1.6	297
608	Observational Needs of Sea Surface Temperature. Frontiers in Marine Science, 2019, 6, .	1.2	89
609	On Thermal Infrared Remote Sensing of Plastic Pollution in Natural Waters. Remote Sensing, 2019, 11, 2159.	1.8	30
610	Riverine Microplastic Pollution in the Pearl River Delta, China: Are Modeled Estimates Accurate?. Environmental Science & Technology, 2019, 53, 11810-11817.	4.6	151
611	Rapid increase in Asian bottles in the South Atlantic Ocean indicates major debris inputs from ships. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20892-20897.	3.3	118
612	Plastic Teabags Release Billions of Microparticles and Nanoparticles into Tea. Environmental Science & Technology, 2019, 53, 12300-12310.	4.6	591
613	Bacterial Candidates for Colonization and Degradation of Marine Plastic Debris. Environmental Science & Technology, 2019, 53, 11636-11643.	4.6	178
614	Rapid assessment of marine debris in coastal areas using a visual scoring indicator. Marine Pollution Bulletin, 2019, 149, 110552.	2.3	8
615	Feeding and digestion of the marine isopod Idotea emarginata challenged by poor food quality and microplastics. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 226, 108586.	1.3	14
616	Adhesion to coral surface as a potential sink for marine microplastics. Environmental Pollution, 2019, 255, 113281.	3.7	95
617	Seasonal variation of plastic debris accumulation in the estuary of Wonorejo River, Surabaya, Indonesia. Environmental Technology and Innovation, 2019, 16, 100490.	3.0	46
618	Global Review of Beach Debris Monitoring and Future Recommendations. Environmental Science & Technology, 2019, 53, 12158-12167.	4.6	87

#	Article	IF	Citations
619	Overhauling Ocean Spatial Planning to Improve Marine Megafauna Conservation. Frontiers in Marine Science, 2019, 6, .	1.2	65
620	Identification of Microfibers in the Environment Using Multiple Lines of Evidence. Environmental Science & Technology, 2019, 53, 11877-11887.	4.6	54
621	Mangrove forests as traps for marine litter. Environmental Pollution, 2019, 247, 499-508.	3.7	222
622	Towards more realistic reference microplastics and nanoplastics: preparation of polyethylene micro/nanoparticles with a biosurfactant. Environmental Science: Nano, 2019, 6, 315-324.	2.2	54
623	Abundance of non-conservative microplastics in the upper ocean from 1957 to 2066. Nature Communications, 2019, 10, 417.	5.8	288
624	Plastic Grabber: Underwater Autonomous Vehicle Simulation for Plastic Objects Retrieval Using Genetic Programming. Lecture Notes in Business Information Processing, 2019, , 527-533.	0.8	3
625	Polyhydroxyalkanoates (PHA) â€“ Applications in Wound Treatment and as Precursors for Oral Drugs. , 2019, , 227-270.		3
626	Ingestion of plastic fragments by the Guri sea catfish Genidens genidens (Cuvier, 1829) in a subtropical coastal estuarine system. Environmental Science and Pollution Research, 2019, 26, 8344-8351.	2.7	24
627	An effect factor approach for quantifying the entanglement impact on marine species of macroplastic debris within life cycle impact assessment. Ecological Indicators, 2019, 99, 61-66.	2.6	53
628	Two-dimensional distribution and abundance of micro- and mesoplastic pollution in the surface sediment of Xialiao Beach, New Taipei City, Taiwan. Marine Pollution Bulletin, 2019, 140, 75-85.	2.3	50
629	Exploring potential establishment of marine rafting species after transoceanic longâ€distance dispersal. Global Ecology and Biogeography, 2019, 28, 588-600.	2.7	10
630	Distribution and characterization of microplastics in beach sand from three different Indian coastal environments. Marine Pollution Bulletin, 2019, 140, 262-273.	2.3	276
631	Big fishing: the role of the large-scale commercial fishing industry in achieving Sustainable Development Goal 14. Reviews in Fish Biology and Fisheries, 2019, 29, 161-175.	2.4	23
632	Evaluation of microplastic ingestion by tropical fish from Moorea Island, French Polynesia. Marine Pollution Bulletin, 2019, 140, 165-170.	2.3	55
633	Plastic Pollution in the Coastal Environment: Current Challenges and Future Solutions. , 2019, , 595-609.		18
634	Assessing the citizen science approach as tool to increase awareness on the marine litter problem. Marine Pollution Bulletin, 2019, 140, 320-329.	2.3	53
635	Microplastic pollution in estuaries across a gradient of human impact. Environmental Pollution, 2019, 247, 457-466.	3.7	139
636	Investigating the toxicities of different functionalized polystyrene nanoplastics on Daphnia magna. Ecotoxicology and Environmental Safety, 2019, 180, 509-516.	2.9	101

#	Article	IF	Citations
637	Characterization of microplastics in environment by thermal gravimetric analysis coupled with Fourier transform infrared spectroscopy. Marine Pollution Bulletin, 2019, 145, 153-160.	2.3	83
638	Effects of Nylon Microplastic on Feeding, Lipid Accumulation, and Moulting in a Coldwater Copepod. Environmental Science & Technology, 2019, 53, 7075-7082.	4.6	151
639	Sorption of non-ionic organic compounds by polystyrene in water. Science of the Total Environment, 2019, 682, 348-355.	3.9	28
640	The United States requires effective federal policy to reduce marine plastic pollution. Conservation Science and Practice, 2019, 1, e45.	0.9	6
641	Analysis of suspended microplastics in the Changjiang Estuary: Implications for riverine plastic load to the ocean. Water Research, 2019, 161, 560-569.	5.3	194
642	Predicting the exposure of coastal species to plastic pollution in a complex island archipelago. Environmental Pollution, 2019, 252, 982-991.	3.7	15
643	Degradation of Low-Density Polyethylene Film Exposed to UV Radiation in Four Environments. Journal of Hazardous, Toxic, and Radioactive Waste, 2019, 23, .	1.2	46
644	Food-web transfer of microplastics between wild caught fish and crustaceans in East China Sea. Marine Pollution Bulletin, 2019, 146, 173-182.	2.3	136
645	Nano/microplastics in water and wastewater treatment processes â€“ Origin, impact and potential solutions. Water Research, 2019, 161, 621-638.	5.3	372
646	Sources, distribution and fate of microfibres on the Great Barrier Reef, Australia. Scientific Reports, 2019, 9, 9021.	1.6	56
647	A State-of-the-Art Compact Surface Drifter Reveals Pathways of Floating Marine Litter in the German Bight. Frontiers in Marine Science, 2019, 6, .	1.2	40
648	Environmental implications of microplastic pollution in the Northwestern Pacific Ocean. Marine Pollution Bulletin, 2019, 146, 215-224.	2.3	59
649	The vertical distribution and biological transport of marine microplastics across the epipelagic and mesopelagic water column. Scientific Reports, 2019, 9, 7843.	1.6	325
650	Pinniped entanglement in oceanic plastic pollution: A global review. Marine Pollution Bulletin, 2019, 145, 295-305.	2.3	101
651	Biofilm facilitates metal accumulation onto microplastics in estuarine waters. Science of the Total Environment, 2019, 683, 600-608.	3.9	157
652	Identifying a quick and efficient method of removing organic matter without damaging microplastic samples. Science of the Total Environment, 2019, 686, 131-139.	3.9	182
653	Macro-litter in surface waters from the Rhone River: Plastic pollution and loading to the NW Mediterranean Sea. Marine Pollution Bulletin, 2019, 146, 60-66.	2.3	146
654	Progress in silk materials for integrated water treatments: Fabrication, modification and applications. Chemical Engineering Journal, 2019, 374, 437-470.	6.6	108

#	Article	IF	Citations
655	Microplastics uptake and egestion dynamics in Pacific oysters, Magallana gigas (Thunberg, 1793), under controlled conditions. Environmental Pollution, 2019, 252, 742-748.	3.7	45
656	Sorption of polybrominated diphenyl ethers by microplastics. Marine Pollution Bulletin, 2019, 145, 260-269.	2.3	121
657	Ingestion of macroplastics by odontocetes of the Greek Seas, Eastern Mediterranean: Often deadly!. Marine Pollution Bulletin, 2019, 146, 67-75.	2.3	70
658	Partitioning of chemical contaminants to microplastics: Sorption mechanisms, environmental distribution and effects on toxicity and bioaccumulation. Environmental Pollution, 2019, 252, 1246-1256.	3.7	296
659	Separation mechanism of polyvinyl chloride and copper components from swollen electric cables by mechanical agitation. Waste Management, 2019, 93, 54-62.	3.7	19
660	Policy and Legislation/Regulations of Plastic Waste Around the Globe. , 2019, , 113-126.		4
661	Microplastics. , 2019, , 11-19.		4
662	Social Awareness of Plastic Waste Threat. , 2019, , 85-91.		1
663	Stakeholder perceptions of marine plastic waste management in the United Kingdom. Ecological Economics, 2019, 163, 77-87.	2.9	62
664	Time-dependent effects of polystyrene nanoparticles in brine shrimp Artemia franciscana at physiological, biochemical and molecular levels. Science of the Total Environment, 2019, 675, 570-580.	3.9	115
665	Biodegradation of oil-based plastics in the environment: Existing knowledge and needs of research and innovation. Science of the Total Environment, 2019, 679, 148-158.	3.9	143
666	Happy Feet in a Hostile World? The Future of Penguins Depends on Proactive Management of Current and Expected Threats. Frontiers in Marine Science, 2019, 6, .	1.2	64
667	Dispersion, Accumulation, and the Ultimate Fate of Microplastics in Deep-Marine Environments: A Review and Future Directions. Frontiers in Earth Science, 2019, 7, .	0.8	258
668	Life in a polluted world: A global review of anthropogenic materials in bird nests. Environmental Pollution, 2019, 251, 717-722.	3.7	72
669	Leaching behavior of fluorescent additives from microplastics and the toxicity of leachate to Chlorella vulgaris. Science of the Total Environment, 2019, 678, 1-9.	3.9	188
670	Enhancement of the thermal stability and mechanical properties of recycled low density polyethylene/wheat biocomposite films with targeted repairing technology and network skeleton construction. Journal of Plastic Film and Sheeting, 2019, 35, 354-379.	1.3	0
671	Significant plastic accumulation on the Cocos (Keeling) Islands, Australia. Scientific Reports, 2019, 9, 7102.	1.6	74
672	A prototype of a portable optical sensor for the detection of transparent and translucent microplastics in freshwater. Chemosphere, 2019, 231, 161-167.	4.2	49

#	Article	IF	Citations
673	Polystyrene microbeads modulate the energy metabolism of the marine diatom Chaetoceros neogracile. Environmental Pollution, 2019, 251, 363-371.	3.7	83
674	Anthropogenic particles ingestion in fish species from two areas of the western Mediterranean Sea. Marine Pollution Bulletin, 2019, 144, 325-333.	2.3	76
675	Thermal and UV aging of polypropylene stabilized by wine seeds wastes and their extracts. Polymer Degradation and Stability, 2019, 165, 49-59.	2.7	28
676	A network metaâ€analysis of threats to South American fish biodiversity. Fish and Fisheries, 2019, 20, 620-639.	2.7	44
677	Modelling global river export of microplastics to the marine environment: Sources and future trends. Science of the Total Environment, 2019, 673, 392-401.	3.9	165
678	Biodynamics of mercury in mussel tissues as a function of exposure pathway: natural vs microplastic routes. Science of the Total Environment, 2019, 674, 412-423.	3.9	61
679	Stoic Theology: Revealing or Redundant?. Religions, 2019, 10, 193.	0.3	6
680	Microplastics abundance and characteristics in surface waters from the Northwest Pacific, the Bering Sea, and the Chukchi Sea. Marine Pollution Bulletin, 2019, 143, 58-65.	2.3	109
681	Occurrence and identification of microplastics along a beach in the Biosphere Reserve of Lanzarote. Marine Pollution Bulletin, 2019, 143, 220-227.	2.3	87
682	Microplastics and the gut microbiome: How chronically exposed species may suffer from gut dysbiosis. Marine Pollution Bulletin, 2019, 143, 193-203.	2.3	178
683	Size of marine debris items ingested and retained by petrels. Marine Pollution Bulletin, 2019, 142, 569-575.	2.3	22
684	Toxicity assessment of pollutants sorbed on environmental microplastics collected on beaches: Part II-adverse effects on Japanese medaka early life stages. Environmental Pollution, 2019, 248, 1098-1107.	3.7	59
685	Biofilm-enhanced adsorption of strong and weak cations onto different microplastic sample types: Use of spectroscopy, microscopy and radiotracer methods. Water Research, 2019, 158, 392-400.	5.3	93
686	Microplastic Pollution in Benthic Midstream Sediments of the Rhine River. Environmental Science & Technology, 2019, 53, 6053-6062.	4.6	150
687	Theory of planned behaviour: predicting touristsâ€™ pro-environmental intentions after a humpback whale encounter. Journal of Sustainable Tourism, 2019, 27, 649-667.	5.7	70
688	Co-liquefaction of Macroalgae with Common Marine Plastic Pollutants. ACS Sustainable Chemistry and Engineering, 2019, 7, 6769-6781.	3.2	41
689	Deep sea sediments of the Arctic Central Basin: A potential sink for microplastics. Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 145, 137-142.	0.6	124
690	Response of bleached and symbiotic sea anemones to plastic microfiber exposure. Environmental Pollution, 2019, 249, 512-517.	3.7	50

#	Article	IF	Citations
691	A 3D numerical model to Track Marine Plastic Debris (TrackMPD): Sensitivity of microplastic trajectories and fates to particle dynamical properties and physical processes. Marine Pollution Bulletin, 2019, 141, 256-272.	2.3	95
692	Microplastics in the marine environment: Current trends in environmental pollution and mechanisms of toxicological profile. Environmental Toxicology and Pharmacology, 2019, 68, 61-74.	2.0	481
693	Influencing factors for the purchase intention of consumers choosing bioplastic products in Germany. Sustainable Production and Consumption, 2019, 19, 33-43.	5.7	78
694	Polystyrene nanoparticles affect the innate immune system of the Antarctic sea urchin Sterechinus neumayeri. Polar Biology, 2019, 42, 743-757.	0.5	69
695	Synthesizing expert opinion to assess the at-sea risks to seabirds in the western North Atlantic. Biological Conservation, 2019, 233, 41-50.	1.9	14
696	Microplastics in cosmetics: Environmental issues and needs for global bans. Environmental Toxicology and Pharmacology, 2019, 68, 75-79.	2.0	198
697	Microplastics and synthetic particles ingested by deep-sea amphipods in six of the deepest marine ecosystems on Earth. Royal Society Open Science, 2019, 6, 180667.	1.1	251
698	Polyhydroxybutyrate (PHB): A Standout Biopolymer for Environmental Sustainability. , 2019, , 2803-2825.		8
699	Current and Emerging Disaster Risks Perceptions in Oceania: Key Stakeholders Recommendations for Disaster Management and Resilience Building. International Journal of Environmental Research and Public Health, 2019, 16, 460.	1.2	15
700	Pollution and Environmental Perturbations in the Global System. , 2019, , 457-476.		40
701	Seafloor sediments as microplastic sinks in the northern Baltic Sea â€“ Negligible upward transport of buried microplastics by bioturbation. Environmental Pollution, 2019, 249, 74-81.	3.7	71
702	Marine litter from fishery activities in the Western Mediterranean sea: The impact of entanglement on marine animal forests. Environmental Pollution, 2019, 249, 472-481.	3.7	66
703	Application of Matrix Scoring Techniques to evaluate marine debris sources in the remote islands of the Azores Archipelago. Environmental Pollution, 2019, 249, 666-675.	3.7	33
704	Biodegradable Compatibilizers for Poly(hydroxyalkanoate)/Poly(Îµ-caprolactone) Blends through Click Reactions with End-Functionalized Microbial Poly(hydroxyalkanoate)s. ACS Sustainable Chemistry and Engineering, 2019, 7, 7969-7978.	3.2	27
705	The Commitment of Packaging Industry in the Framework of the European Strategy for Plastics in a Circular Economy. Administrative Sciences, 2019, 9, 18.	1.5	87
706	Understanding plastics pollution: The role of economic development and technological research. Environmental Pollution, 2019, 249, 812-821.	3.7	120
707	Spatial trends and drivers of marine debris accumulation on shorelines in South Eleuthera, The Bahamas using citizen science. Marine Pollution Bulletin, 2019, 142, 145-154.	2.3	87
708	Humanity is not prepared to colonize Mars. Futures, 2019, 110, 15-18.	1.4	7

#	Article	IF	Citations
709	Plastics in sea surface waters around the Antarctic Peninsula. Scientific Reports, 2019, 9, 3977.	1.6	210
710	Shelf-life and labels: A cheap dating tool for seafloor macro litter? Insights from MEDITS surveys in Sardinian sea. Marine Pollution Bulletin, 2019, 141, 430-433.	2.3	10
711	Tackling the plastic problem: A review on perceptions, behaviors, and interventions. Science of the Total Environment, 2019, 668, 1077-1093.	3.9	374
712	Bioâ€based blends from poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyvalerate) and natural rubber for packaging applications. Journal of Applied Polymer Science, 2019, 136, 47334.	1.3	22
713	Terrestrial ecologists should stop ignoring plastic pollution in the Anthropocene time. Science of the Total Environment, 2019, 668, 1025-1029.	3.9	67
714	Rational Protein Engineering of Thermo-Stable PETase from Ideonella sakaiensis for Highly Efficient PET Degradation. ACS Catalysis, 2019, 9, 3519-3526.	5.5	307
715	Insights into the uptake, elimination and accumulation of microplastics in mussel. Environmental Pollution, 2019, 249, 321-329.	3.7	111
716	Plastic Waste: How Plastics Have Become Part of the Earth's Geological Cycle. , 2019, , 443-452.		14
717	Marine Plastic Pollution: Other Than Microplastic. , 2019, , 425-442.		21
718	Microplastics as Contaminant in Freshwater Ecosystem: A Modern Environmental Issue. , 2019, , 1-24.		0
719	Biodegradation of PET: Current Status and Application Aspects. ACS Catalysis, 2019, 9, 4089-4105.	5.5	349
720	Occurrence and Speciesâ€Specific Distribution of Plastic Debris in Wild Freshwater Fish from the Pearl River Catchment, China. Environmental Toxicology and Chemistry, 2019, 38, 1504-1513.	2.2	61
721	Microfibers generated from the laundering of cotton, rayon and polyester based fabrics and their aquatic biodegradation. Marine Pollution Bulletin, 2019, 142, 394-407.	2.3	232
722	Cetacean sightings within the Great Pacific Garbage Patch. Marine Biodiversity, 2019, 49, 2021-2027.	0.3	5
723	Structure of the plastic-degrading Ideonella sakaiensis MHETase bound to a substrate. Nature Communications, 2019, 10, 1717.	5.8	265
724	Editorial: Impacts of Marine Litter. Frontiers in Marine Science, 2019, 6, .	1.2	87
725	Microbial Ecotoxicology of Marine Plastic Debris: A Review on Colonization and Biodegradation by the â€œPlastisphereâ€• Frontiers in Microbiology, 2019, 10, 865.	1.5	288
726	Assessment of the Plastic Inputs From the Seine Basin to the Sea Using Statistical and Field Approaches. Frontiers in Marine Science, 2019, 6, .	1.2	49

#	Article	IF	Citations
727	Microplastics FTIR characterisation and distribution in the water column and digestive tracts of small pelagic fish in the Gulf of Lions. Marine Pollution Bulletin, 2019, 142, 510-519.	2.3	93
728	A review of microplastics in sediments: Spatial and temporal occurrences, biological effects, and analytic methods. Quaternary International, 2019, 519, 274-281.	0.7	69
729	Microplastic Ingestion by Gelatinous Zooplankton May Lower Efficiency of the Biological Pump. Environmental Science & Technology, 2019, 53, 5387-5395.	4.6	92
730	Role of Indian Ocean Dynamics on Accumulation of Buoyant Debris. Journal of Geophysical Research: Oceans, 2019, 124, 2571-2590.	1.0	48
731	Marine debris visual identification assessment. Marine Pollution Bulletin, 2019, 142, 69-75.	2.3	13
732	Massive benthic litter funnelled to deep sea by flash-flood generated hyperpycnal flows. Scientific Reports, 2019, 9, 5330.	1.6	104
733	Need a bag? A review of public policies on plastic carrier bags â€“ Where, how and to what effect?. Waste Management, 2019, 87, 428-440.	3.7	144
734	Los futuros maestros ante el problema de la contaminaciÃ³n de los mares por plÃ¡sticos y el consumo. Revista Eureka Sobre EnseÃ±anza Y DivulgaciÃ³n De Las Ciencias, 2019, 16, 1-17.	0.2	1
735	The Role of Ekman Currents, Geostrophy, and Stokes Drift in the Accumulation of Floating Microplastic. Journal of Geophysical Research: Oceans, 2019, 124, 1474-1490.	1.0	159
736	Distribution of plastic polymer types in the marine environment; A meta-analysis. Journal of Hazardous Materials, 2019, 369, 691-698.	6.5	508
737	Leachates of micronized plastic toys provoke embryotoxic effects upon sea urchin Paracentrotus lividus. Environmental Pollution, 2019, 247, 706-715.	3.7	136
738	Plastic Accumulation in the Sea Surface Microlayer: An Experiment-Based Perspective for Future Studies. Geosciences (Switzerland), 2019, 9, 66.	1.0	19
739	Introduction to the use of recycled plastics in eco-efficient concrete. , 2019, , 1-8.		13
740	Microplastics in Mediterranean Sea: A protocol to robustly assess contamination characteristics. PLoS ONE, 2019, 14, e0212088.	1.1	43
741	Research and management of plastic pollution in coastal environments of China. Environmental Pollution, 2019, 248, 898-905.	3.7	104
742	Typhoons increase the abundance of microplastics in the marine environment and cultured organisms: A case study in Sanggou Bay, China. Science of the Total Environment, 2019, 667, 1-8.	3.9	106
743	Building momentum for sustainable behaviors in developing regions using Locally Managed Decentralized Circular Economy principles. Chinese Journal of Chemical Engineering, 2019, 27, 1566-1571.	1.7	10
744	Spatio-temporal monitoring of coastal floating marine debris in the Balearic Islands from sea-cleaning boats. Marine Pollution Bulletin, 2019, 141, 205-214.	2.3	22

#	Article	IF	Citations
745	A quantitative analysis linking seabird mortality and marine debris ingestion. Scientific Reports, 2019, 9, 3202.	1.6	90
746	A Project Based Learning (PBL) Approach Involving PET Recycling in Chemical Engineering Education. Recycling, 2019, 4, 10.	2.3	9
747	Viewpoint â€“ Ocean plastic pollution: A convenient but distracting truth?. Marine Policy, 2019, 103, 187-191.	1.5	126
748	Preliminary study and first evidence of presence of microplastics and colorants in green mussel, Perna viridis (Linnaeus, 1758), from southeast coast of India. Marine Pollution Bulletin, 2019, 140, 416-422.	2.3	89
749	Bacteria and archaea on Earth and their abundance in biofilms. Nature Reviews Microbiology, 2019, 17, 247-260.	13.6	965
750	Floating microplastics and aggregate formation in the Western Mediterranean Sea. Marine Pollution Bulletin, 2019, 140, 523-535.	2.3	175
751	Characterization of sorption properties of high-density polyethylene using the poly-parameter linearfree-energy relationships. Environmental Pollution, 2019, 248, 312-319.	3.7	30
753	Municipal Solid Waste Management Based on Community in Coastal Area of Lengkang Kecil Island. , 2019, , .		0
756	Life Cycle Assessment of Three Safe Drinking-Water Options in India: Boiled Water, Bottled Water, and Water Purified with a Domestic Reverse-Osmosis Device. Sustainability, 2019, 11, 6233.	1.6	10
757	In search for the sources of plastic marine litter that contaminates the Easter Island Ecoregion. Scientific Reports, 2019, 9, 19662.	1.6	23
758	Plastic Pollution in the Coastal Oceans: Characterization and Modeling. , 2019, , .		14
759	Eulerian Modeling of the Threeâ€Ðimensional Distribution of Seven Popular Microplastic Types in the Global Ocean. Journal of Geophysical Research: Oceans, 2019, 124, 8558-8573.	1.0	78
760	Development and Characterization of a Recycled Plastic Based Ion-Selective Electrode (PB-ISE) Using CNT Ink as Ion-To-Electron Transducer. , 2019, , .		0
761	Removal of >10 Âµm Microplastic Particles from Treated Wastewater by a Disc Filter. Water (Switzerland), 2019, 11, 1935.	1.2	60
762	Microplastics increase the marine production of particulate forms of organic matter. Environmental Research Letters, 2019, 14, 124085.	2.2	45
763	Major sources and monthly variations in the release of land-derived marine debris from the Greater Jakarta area, Indonesia. Scientific Reports, 2019, 9, 18730.	1.6	92
764	Tracing the fate of microplastic carbon in the aquatic food web by compound-specific isotope analysis. Scientific Reports, 2019, 9, 19894.	1.6	67
765	Measuring Marine Plastic Debris from Space: Initial Assessment of Observation Requirements. Remote Sensing, 2019, 11, 2443.	1.8	97

#	Article	IF	Citations
767	Microplastic Contamination Has Limited Effects on Coral Fertilisation and Larvae. Diversity, 2019, 11, 228.	0.7	29
768	Anesthesiologyâ€™s Contribution to Environmental Preservation. Anesthesia and Analgesia, 2019, 129, e179-e180.	1.1	4
769	Prey-size plastics are invading larval fish nurseries. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24143-24149.	3.3	108
770	The Hydrophobicity of Lignocellulosic Fiber Network Can Be Enhanced with Suberin Fatty Acids. Molecules, 2019, 24, 4391.	1.7	7
771	Unmanned Floating Waste Collecting Robot. , 2019, , .		19
772	Environmentally Benign and Sustainable Green Composites: Current Developments and Challenges. Textile Science and Clothing Technology, 2019, , 53-90.	0.4	16
773	Threatened Urban and Ocean Biodiversity: The Imperative of Resilience. , 2019, , 43-84.		2
774	Chesapeake Bay. , 2019, , 379-404.		4
775	Bermuda and the Sargasso Sea. , 2019, , 531-547.		0
776	(Micro) plastic fluxes and stocks in Lake Geneva basin. TrAC - Trends in Analytical Chemistry, 2019, 112, 66-74.	5.8	72
777	Small Microplastics As a Main Contributor to Plastic Mass Balance in the North Atlantic Subtropical Gyre. Environmental Science & Technology, 2019, 53, 1157-1164.	4.6	128
778	A novel GIS-based tool for predicting coastal litter accumulation and optimising coastal cleanup actions. Marine Pollution Bulletin, 2019, 139, 117-126.	2.3	36
779	Modelling the accumulation and transport of floating marine micro-plastics around South Africa. Marine Pollution Bulletin, 2019, 139, 46-58.	2.3	66
780	Microplastics, a food safety issue?. Trends in Food Science and Technology, 2019, 84, 55-57.	7.8	96
781	Microplastics in the environment: A review of analytical methods, distribution, and biological effects. TrAC - Trends in Analytical Chemistry, 2019, 111, 62-72.	5.8	251
782	Plastic pollution affects American lobsters, Homarus americanus. Marine Pollution Bulletin, 2019, 138, 545-548.	2.3	17
783	Inter-hemispherical shoreline surveys of anthropogenic marine debris â€“ A binational citizen science project with schoolchildren. Marine Pollution Bulletin, 2019, 138, 464-473.	2.3	47
784	Using solitary ascidians to assess microplastic and phthalate plasticizers pollution among marine biota: A case study of the Eastern Mediterranean and Red Sea. Marine Pollution Bulletin, 2019, 138, 618-625.	2.3	84

#	Article	IF	Citations
785	Quantity and spatial distribution of seafloor marine debris in the Moroccan Mediterranean Sea. Marine Pollution Bulletin, 2019, 139, 163-173.	2.3	43
786	Green Bioplastics as Part of a Circular Bioeconomy. Trends in Plant Science, 2019, 24, 237-249.	4.3	294
787	Ten Years On: A Review of the First Global Conservation Horizon Scan. Trends in Ecology and Evolution, 2019, 34, 139-153.	4.2	32
788	Plastics in the marine environment are reservoirs for antibiotic and metal resistance genes. Environment International, 2019, 123, 79-86.	4.8	305
789	Phthalate Release from Plastic Fragments and Degradation in Seawater. Environmental Science & Technology, 2019, 53, 166-175.	4.6	303
790	Comparison of microplastic pollution in different water bodies from urban creeks to coastal waters. Environmental Pollution, 2019, 246, 174-182.	3.7	310
791	Effects of polystyrene microplastics on the composition of the microbiome and metabolism in larval zebrafish. Chemosphere, 2019, 217, 646-658.	4.2	277
792	Tailoring Hydrocarbon Polymers and Allâ€Hydrocarbon Composites for Circular Economy. Macromolecular Rapid Communications, 2019, 40, e1800608.	2.0	65
793	Gasification of Plastic Solid Waste and Competitive Technologies. , 2019, , 269-293.		29
794	Microplastic abundance, distribution and composition in the Pearl River along Guangzhou city and Pearl River estuary, China. Chemosphere, 2019, 217, 879-886.	4.2	320
795	Simple and rapid detection of microplastics in seawater using hyperspectral imaging technology. Analytica Chimica Acta, 2019, 1050, 161-168.	2.6	80
796	Microplastic in cultured oysters from different coastal areas of China. Science of the Total Environment, 2019, 653, 1282-1292.	3.9	239
797	The once and future treaty: Towards a new regime for biodiversity in areas beyond national jurisdiction. Marine Policy, 2019, 99, 239-242.	1.5	59
798	Abundance and composition of floating marine macro litter on the eastern sector of the Mediterranean Sea. Marine Pollution Bulletin, 2019, 138, 260-265.	2.3	37
799	Microplastics: Finding a consensus on the definition. Marine Pollution Bulletin, 2019, 138, 145-147.	2.3	995
800	Microplastic content variation in water column: The observations employing a novel sampling tool in stratified Baltic Sea. Marine Pollution Bulletin, 2019, 138, 193-205.	2.3	92
801	Nearshore sea surface macro marine debris in Maui County, Hawaii: Distribution, drivers, and polymer composition. Marine Pollution Bulletin, 2019, 138, 70-83.	2.3	7
802	Marine litter in the Croatian part of the middle Adriatic Sea: Simultaneous assessment of floating and seabed macro and micro litter abundance and composition. Marine Pollution Bulletin, 2019, 139, 427-439.	2.3	68

#	Article	IF	Citations
803	Gastropod pedal mucus retains microplastics and promotes the uptake of particles by marine periwinkles. Environmental Pollution, 2019, 246, 688-696.	3.7	37
804	Chemoselective, Postpolymerization Modification of Bioactive, Degradable Polymers. Biomacromolecules, 2019, 20, 1018-1027.	2.6	23
805	Targeting microplastic particles in the void of diluted suspensions. Environment International, 2019, 123, 428-435.	4.8	72
806	Quantification is more than counting: Actions required to accurately quantify and report isolated marine microplastics. Marine Pollution Bulletin, 2019, 139, 100-104.	2.3	28
807	Microplastics and attached microorganisms in sediments of the VitÃ³ria bay estuarine system in SE Brazil. Ocean and Coastal Management, 2019, 169, 247-253.	2.0	86
808	Emergence of Nanoplastic in the Environment and Possible Impact on Human Health. Environmental Science & Technology, 2019, 53, 1748-1765.	4.6	709
809	Trace elements in microplastics in Cartagena: A hotspot for plastic pollution at the Caribbean. Marine Pollution Bulletin, 2019, 139, 402-411.	2.3	92
810	Quantifying marine debris associated with coastal golf courses. Marine Pollution Bulletin, 2019, 140, 1-8.	2.3	7
811	Consistent microplastic ingestion by deep-sea invertebrates over the last four decades (1976â€“2015), a study from the North East Atlantic. Environmental Pollution, 2019, 244, 503-512.	3.7	94
812	New strategy for microplastic degradation: Green photocatalysis using a protein-based porous N-TiO2 semiconductor. Ceramics International, 2019, 45, 9618-9624.	2.3	196
813	Abundance and distribution of microplastics in the surface sediments from the northern Bering and Chukchi Seas. Environmental Pollution, 2019, 245, 122-130.	3.7	138
814	Incidence and identification of microfibers in ocean waters in Admiralty Bay, Antarctica. Environmental Science and Pollution Research, 2019, 26, 292-298.	2.7	67
815	Fouling Microbial Communities on Plastics Compared with Wood and Steel: Are They Substrate- or Location-Specific?. Microbial Ecology, 2019, 78, 361-374.	1.4	60
816	Polyhydroxybutyrate (PHB): A Standout Biopolymer for Environmental Sustainability. , 2019, , 1-23.		6
817	Accumulation and characteristics of plastic debris along five beaches in Cape Town. Marine Pollution Bulletin, 2019, 138, 451-457.	2.3	58
818	Exposure to microplastics reduces attachment strength and alters the haemolymph proteome of blue mussels (Mytilus edulis). Environmental Pollution, 2019, 246, 423-434.	3.7	150
819	Spatial distribution and source identification of hydrophobic organic compounds (HOCs) on sedimentary microplastic in Hong Kong. Chemosphere, 2019, 219, 418-426.	4.2	56
820	Microplastic ingestion ubiquitous in marine turtles. Global Change Biology, 2019, 25, 744-752.	4.2	210

#	Article	IF	Citations
821	Sorption behavior and mechanism of hydrophilic organic chemicals to virgin and aged microplastics in freshwater and seawater. Environmental Pollution, 2019, 246, 26-33.	3.7	643
822	First record of debris ingestion by the shorebird American Oystercatcher (Haematopus palliatus) on the Southern coast of Brazil. Marine Pollution Bulletin, 2019, 138, 235-240.	2.3	14
823	High levels of microplastic pollution in the sediments and benthic organisms of the South Yellow Sea, China. Science of the Total Environment, 2019, 651, 1661-1669.	3.9	268
824	New Advances in Benthic Monitoring Technology and Methodology. , 2019, , 121-132.		13
825	Macroplastics Pollution in the Marine Environment. , 2019, , 305-328.		60
826	Microplastics Pollution in the Marine Environment. , 2019, , 329-351.		16
827	Polystyrene nanoplastic exposure induces immobilization, reproduction, and stress defense in the freshwater cladoceran Daphnia pulex. Chemosphere, 2019, 215, 74-81.	4.2	225
828	Plastic-associated harmful microalgal assemblages in marine environment. Environmental Pollution, 2019, 244, 617-626.	3.7	69
829	Using mussel as a global bioindicator of coastal microplastic pollution. Environmental Pollution, 2019, 244, 522-533.	3.7	350
830	Outlook on optical identification of micro- and nanoplastics in aquatic environments. Chemosphere, 2019, 214, 424-429.	4.2	49
831	Examining effects of ontogenic microplastic transference on Culex mosquito mortality and adult weight. Science of the Total Environment, 2019, 651, 871-876.	3.9	58
832	Microplastics in the Northwestern Pacific: Abundance, distribution, and characteristics. Science of the Total Environment, 2019, 650, 1913-1922.	3.9	256
833	The Silurian hypothesis: would it be possible to detect an industrial civilization in the geological record?. International Journal of Astrobiology, 2019, 18, 142-150.	0.9	23
834	Availability and Suitability of Agroindustrial Residues as Feedstock for Cellulose-Based Materials: Brazil Case Study. Waste and Biomass Valorization, 2019, 10, 2863-2878.	1.8	22
835	Marine Microbial Assemblages on Microplastics: Diversity, Adaptation, and Role in Degradation. Annual Review of Marine Science, 2020, 12, 209-232.	5.1	264
836	Designing Biobased Recyclable Polymers for Plastics. Trends in Biotechnology, 2020, 38, 50-67.	4.9	185
837	Photochemical dissolution of buoyant microplastics to dissolved organic carbon: Rates and microbial impacts. Journal of Hazardous Materials, 2020, 383, 121065.	6.5	212
838	Environmental exposure to microplastics: An overview on possible human health effects. Science of the Total Environment, 2020, 702, 134455.	3.9	1,101

#	Article	IF	Citations
839	Superimposed microplastic pollution in a coastal metropolis. Water Research, 2020, 168, 115140.	5.3	124
840	Co-effects of biofouling and inorganic matters increased the density of environmental microplastics in the sediments of Bohai Bay coast. Science of the Total Environment, 2020, 717, 134431.	3.9	43
841	The oceanâ€™s ultimate trashcan: Hadal trenches as major depositories for plastic pollution. Water Research, 2020, 168, 115121.	5.3	138
842	Realistic environmental exposure to microplastics does not induce biological effects in the Pacific oyster Crassostrea gigas. Marine Pollution Bulletin, 2020, 150, 110627.	2.3	62
843	Neustonic microplastic pollution in the Persian Gulf. Marine Pollution Bulletin, 2020, 150, 110665.	2.3	93
844	Politics and the plastic crisis: A review throughout the plastic life cycle. Wiley Interdisciplinary Reviews: Energy and Environment, 2020, 9, e360.	1.9	189
845	Application of Remote Sensing for Automated Litter Detection and Management. Advances in Intelligent Systems and Computing, 2020, , 157-168.	0.5	0
846	Uptake and Retention of Nanoplastics in Quagga Mussels. Global Challenges, 2020, 4, 1800104.	1.8	28
847	Anticipated futures? Knowing the heritage of drift matter. International Journal of Heritage Studies, 2020, 26, 87-103.	1.0	23
848	Microplastic contamination in Penaeid shrimp from the Northern Bay of Bengal. Chemosphere, 2020, 238, 124688.	4.2	178
849	Early Colonization of Weathered Polyethylene by Distinct Bacteria in Marine Coastal Seawater. Microbial Ecology, 2020, 79, 517-526.	1.4	96
850	Bioavailability and toxicity of microplastics to fish species: A review. Ecotoxicology and Environmental Safety, 2020, 189, 109913.	2.9	277
851	Environmental samples of microplastics induce significant toxic effects in fish larvae. Environment International, 2020, 134, 105047.	4.8	235
852	Entrapment in plastic debris endangers hermit crabs. Journal of Hazardous Materials, 2020, 387, 121703.	6.5	48
853	Ingestion and bioaccumulation of polystyrene nanoplastics and their effects on the microalgal feeding of Artemia franciscana. Ecotoxicology and Environmental Safety, 2020, 188, 109853.	2.9	37
854	Microplastic ingestion by zooplankton in Terengganu coastal waters, southern South China Sea. Marine Pollution Bulletin, 2020, 150, 110616.	2.3	101
855	Analysis and inorganic composition of microplastics in commercial Malaysian fish meals. Marine Pollution Bulletin, 2020, 150, 110687.	2.3	75
856	Microplastics pollution in Bangladesh: current scenario and future research perspective. Chemistry and Ecology, 2020, 36, 83-99.	0.6	15

#	Article	IF	Citations
857	Microplastic occurrence and effects in commercially harvested North American finfish and shellfish: Current knowledge and future directions. Limnology and Oceanography Letters, 2020, 5, 113-136.	1.6	46
858	Sampling microfibres at the sea surface: The effects of mesh size, sample volume and water depth. Environmental Pollution, 2020, 258, 113413.	3.7	66
859	On the Creation of Risk: Framing of Microplastics Risks in Science and Media. Global Challenges, 2020, 4, 1900010.	1.8	56
860	Effects of accelerated aging on characteristics, leaching, and toxicity of commercial lead chromate pigmented microplastics. Environmental Pollution, 2020, 257, 113475.	3.7	136
861	The distribution, characteristics and ecological risks of microplastics in the mangroves of Southern China. Science of the Total Environment, 2020, 708, 135025.	3.9	169
862	Dynamics of interaction and effects of microplastics on planarian tissue regeneration and cellular homeostasis. Aquatic Toxicology, 2020, 218, 105354.	1.9	25
863	Microplastic study reveals the presence of natural and synthetic fibres in the diet of King Penguins (Aptenodytes patagonicus) foraging from South Georgia. Environment International, 2020, 134, 105303.	4.8	115
864	Fuel cell and electrolyzer using plastic waste directly as fuel. Waste Management, 2020, 102, 30-39.	3.7	24
865	Microplastic Identification via Holographic Imaging and Machine Learning. Advanced Intelligent Systems, 2020, 2, 1900153.	3.3	88
866	Methodologies for Microplastics Recovery and Identification in Heterogeneous Solid Matrices: A Review. Journal of Polymers and the Environment, 2020, 28, 739-748.	2.4	65
867	Identification of micro-plastics in Australian road dust. Journal of Environmental Chemical Engineering, 2020, 8, 103647.	3.3	53
868	A Global Perspective on Microplastics. Journal of Geophysical Research: Oceans, 2020, 125, e2018JC014719.	1.0	488
869	Plastic bag bans: Lessons from the Australian Capital Territory. Resources, Conservation and Recycling, 2020, 154, 104638.	5.3	58
870	Effects of spatial and seasonal factors on the characteristics and carbonyl index of (micro)plastics in a sandy beach in Aveiro, Portugal. Science of the Total Environment, 2020, 709, 135892.	3.9	63
871	Greenhouse gas cycling by the plastisphere: The sleeper issue of plastic pollution. Chemosphere, 2020, 246, 125709.	4.2	30
872	Behavior and biochemical responses of the polychaeta Hediste diversicolor to polystyrene nanoplastics. Science of the Total Environment, 2020, 707, 134434.	3.9	60
873	Fungal potential for the degradation of petroleum-based polymers: An overview of macro- and microplastics biodegradation. Biotechnology Advances, 2020, 40, 107501.	6.0	229
874	Paddle surfing for science on microplastic pollution. Science of the Total Environment, 2020, 709, 136178.	3.9	26

#	Article	IF	Citations
875	Microplastics in beluga whales (Delphinapterus leucas) from the Eastern Beaufort Sea. Marine Pollution Bulletin, 2020, 150, 110723.	2.3	129
876	Estimating a regional budget of marine plastic litter in order to advise on marine management measures. Marine Pollution Bulletin, 2020, 150, 110725.	2.3	28
877	Distribution of microplastics in surface water of the lower Yellow River near estuary. Science of the Total Environment, 2020, 707, 135601.	3.9	233
878	The world is your oyster: low-dose, long-term microplastic exposure of juvenile oysters. Heliyon, 2020, 6, e03103.	1.4	51
879	Quantity of plastic waste input into the ocean from China based on a material flow analysis model. Anthropocene Coasts, 2020, 3, 1-5.	0.6	13
880	Effect of nanoplastics on fish health and performance: A review. Marine Pollution Bulletin, 2020, 151, 110791.	2.3	94
881	Occurrence of microplastics in gastrointestinal tracts and gills of fish from Beibu Gulf, South China Sea. Environmental Pollution, 2020, 258, 113734.	3.7	130
882	Plastic pollution in paradise: Daily accumulation rates of marine litter on Cousine Island, Seychelles. Marine Pollution Bulletin, 2020, 151, 110803.	2.3	37
883	Development of a digestion method for determining microplastic pollution in vegetal-rich clayey mangrove sediments. Science of the Total Environment, 2020, 707, 136030.	3.9	53
884	Biofilm alters tetracycline and copper adsorption behaviors onto polyethylene microplastics. Chemical Engineering Journal, 2020, 392, 123808.	6.6	165
885	A meta-analysis of methodologies adopted by microplastic studies in China. Science of the Total Environment, 2020, 718, 135371.	3.9	54
886	Microplastic ingestion cause intestinal lesions in the intertidal fish Girella laevifrons. Marine Pollution Bulletin, 2020, 151, 110795.	2.3	125
887	Catalytic pyrolysis of wasted fishing net over calcined scallop shells: Analytical Py-GC/MS study. Journal of Analytical and Applied Pyrolysis, 2020, 146, 104750.	2.6	18
888	Microplastic Impacts on Microalgae Growth: Effects of Size and Humic Acid. Environmental Science & Technology, 2020, 54, 1782-1789.	4.6	207
889	Plastic debris in rivers. Wiley Interdisciplinary Reviews: Water, 2020, 7, e1398.	2.8	252
890	A review of the potential utilisation of plastic waste as adsorbent for removal of hazardous priority contaminants from aqueous environments. Environmental Pollution, 2020, 258, 113698.	3.7	77
891	STIRPAT for marketing: An introduction, expansion, and suggestions for future use. Journal of Business Research, 2020, 108, 351-361.	5.8	15
892	Silk fibres exhibiting biodegradability & superhydrophobicity for recovery of petroleum oils from oily wastewater. Journal of Hazardous Materials, 2020, 389, 121823.	6.5	69

#	Article	IF	Citations
893	Economics for the future â€“ Beyond the superorganism. Ecological Economics, 2020, 169, 106520.	2.9	58
894	Accumulation of microplastics in typical commercial aquatic species: A case study at a productive aquaculture site in China. Science of the Total Environment, 2020, 708, 135432.	3.9	167
895	Do nanoplastics impact the ability of the polychaeta Hediste diversicolor to regenerate?. Ecological Indicators, 2020, 110, 105921.	2.6	29
896	Laundering and textile parameters influence fibers release in household washings. Environmental Pollution, 2020, 257, 113553.	3.7	98
897	A baseline study of microplastics in the burrowing crab (Neohelice granulata) from a temperate southwestern Atlantic estuary. Marine Pollution Bulletin, 2020, 150, 110686.	2.3	55
898	Assessment of microplastics in freshwater systems: A review. Science of the Total Environment, 2020, 707, 135578.	3.9	468
899	Seasonal microplastics variation in nival and pluvial stretches of the Rhine River â€“ From the Swiss catchment towards the North Sea. Science of the Total Environment, 2020, 707, 135579.	3.9	80
900	Spatial structure in the â€œPlastisphereâ€: Molecular resources for imaging microscopic communities on plastic marine debris. Molecular Ecology Resources, 2020, 20, 620-634.	2.2	66
901	Is the reusable tableware the best option? Analysis of the aviation catering sector with a life cycle approach. Science of the Total Environment, 2020, 708, 135121.	3.9	25
902	Impacts of polystyrene microplastics on Daphnia magna: A laboratory and a mesocosm study. Science of the Total Environment, 2020, 705, 135800.	3.9	44
903	Longitudinal dispersion of microplastics in aquatic flows using fluorometric techniques. Water Research, 2020, 170, 115337.	5.3	45
904	Patterns of suspended and salpâ€ingested microplastic debris in the North Pacific investigated with epifluorescence microscopy. Limnology and Oceanography Letters, 2020, 5, 46-53.	1.6	76
905	Uptake and incorporation of PCBs by eastern Mediterranean rabbitfish that consumed microplastics. Marine Pollution Bulletin, 2020, 150, 110697.	2.3	29
906	Marine debris â€” An emerging threat to the reef areas of Gulf of Mannar, India. Marine Pollution Bulletin, 2020, 151, 110793.	2.3	23
907	Research landscape of a global environmental challenge: Microplastics. Water Research, 2020, 170, 115358.	5.3	54
908	Review on plastic wastes in marine environment â€“ Biodegradation and biotechnological solutions. Marine Pollution Bulletin, 2020, 150, 110733.	2.3	148
909	Faces of power in Integrated Coastal Zone Management: Case studies of Eilat and Aqaba. Ocean and Coastal Management, 2020, 185, 105031.	2.0	2
910	Microplastic Pollution in Deep-Sea Sediments From the Great Australian Bight. Frontiers in Marine Science, 2020, 7, .	1.2	137

#	Article	IF	Citations
911	Ecosystem health and human wealth â€“ A comparison of sub-Saharan African Large Marine Ecosystems. Environmental Development, 2020, 36, 100551.	1.8	6
912	Microplastic abundance and accumulation behavior in Lake Onego sediments: a journey from the river mouth to pelagic waters of the large boreal lake. Journal of Environmental Chemical Engineering, 2020, 8, 104367.	3.3	36
913	Spatio-temporal evaluation of macro, meso and microplastics in surface waters, bottom and beach sediments of two embayments in NiterÃ³i, RJ, Brazil. Marine Pollution Bulletin, 2020, 160, 111537.	2.3	33
914	Evaluating the presence of microplastics in striped dolphins (Stenella coeruleoalba) stranded in the Western Mediterranean Sea. Marine Pollution Bulletin, 2020, 160, 111557.	2.3	42
915	Contamination of the Caspian Sea Southern coast sediments with microplastics: A marine environmental problem. Marine Pollution Bulletin, 2020, 160, 111620.	2.3	23
916	Fate of river-borne floating litter during the flooding event in the northeastern part of the Black Sea in October 2018. Marine Pollution Bulletin, 2020, 160, 111678.	2.3	20
917	Sentinels of synthetics â€“ a comparison of phthalate exposure between common bottlenose dolphins (Tursiops truncatus) and human reference populations. PLoS ONE, 2020, 15, e0240506.	1.1	14
918	The Way of Macroplastic through the Environment. Environments - MDPI, 2020, 7, 73.	1.5	75
919	Recent advances in biocatalysts engineering for polyethylene terephthalate plastic waste green recycling. Environment International, 2020, 145, 106144.	4.8	116
920	Plastic pollution in the marine environment. Heliyon, 2020, 6, e04709.	1.4	333
921	An assessment of microplastic inputs into the aquatic environment from wastewater streams. Marine Pollution Bulletin, 2020, 160, 111538.	2.3	62
922	Consideration of emerging environmental contaminants in africa: Review of occurrence, formation, fate, and toxicity of plastic particles. Scientific African, 2020, 9, e00546.	0.7	10
923	Elucidating the vertical transport of microplastics in the water column: A review of sampling methodologies and distributions. Water Research, 2020, 186, 116403.	5.3	45
924	A critical review on various trophic transfer routes of microplastics in the context of the Indian coastal ecosystem. Watershed Ecology and the Environment, 2020, 2, 25-41.	0.6	16
925	Modeling the Bioaccumulation and Biomagnification Potential of Microplastics in a Cetacean Foodweb of the Northeastern Pacific: A Prospective Tool to Assess the Risk Exposure to Plastic Particles. Frontiers in Marine Science, 2020, 7, .	1.2	54
926	Microplastics and sorbed contaminants â€“ Trophic exposure in fish sensitive early life stages. Marine Environmental Research, 2020, 161, 105126.	1.1	17
927	Sustainable Governance of Coastal Areas and Tourism Impact on Waste Production: Panel Analysis of Croatian Municipalities. Sustainability, 2020, 12, 7243.	1.6	8
928	Plastics in the Pacific: Assessing risk from ocean debris for marine birds in the California Current Large Marine Ecosystem. Biological Conservation, 2020, 250, 108743.	1.9	14

#	Article	IF	Citations
929	The global biological microplastic particle sink. Scientific Reports, 2020, 10, 16670.	1.6	73
930	Investigation on microplastic pollution of Dongting Lake and its affiliated rivers. Marine Pollution Bulletin, 2020, 160, 111555.	2.3	54
931	Basic principles for development and implementation of plastic clean-up technologies: What can we learn from fisheries management?. Science of the Total Environment, 2020, 745, 141117.	3.9	23
932	Identification and characterization of micro-plastics in the marine environment: A mini review. Marine Pollution Bulletin, 2020, 160, 111704.	2.3	27
933	The Importance of Biofilms to the Fate and Effects of Microplastics. , 2020, , .		2
934	From Pest to Profitâ€"The Potential of Shipworms for Sustainable Aquaculture. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	5
935	Prevalence of entanglements of seabirds in marine debris in the central Portuguese coast. Marine Pollution Bulletin, 2020, 161, 111746.	2.3	19
936	Plastic density as a key factor in the presence of microplastic in the gastrointestinal tract of commercial fishes from Campeche Bay, Mexico. Environmental Pollution, 2020, 267, 115659.	3.7	57
937	Structural bioinformatics-based protein engineering of thermo-stable PETase from Ideonella sakaiensis. Enzyme and Microbial Technology, 2020, 141, 109656.	1.6	70
938	Experimental observation of microplastics invading the endoderm of anthozoan polyps. Marine Environmental Research, 2020, 162, 105125.	1.1	18
939	Water column circulation drives microplastic distribution in the MartÃnez-Baker channels; A large fjord ecosystem in Chilean Patagonia. Marine Pollution Bulletin, 2020, 160, 111591.	2.3	28
940	Characterization of microplastics in the surface waters of an urban lagoon (Bizerte lagoon,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T factors. Marine Pollution Bulletin, 2020, 160, 111625.	2.3	44
941	Shading by marine litter impairs the health of the two Indo-Pacific scleractinian corals Porites rus and Pavona cactus. Marine Pollution Bulletin, 2020, 158, 111429.	2.3	10
942	Microplastic Characterization by Infrared Spectroscopy. , 2020, , 1-33.		2
943	Microplastics in Polar Samples. , 2020, , 1-42.		13
944	Investigating the presence of microplastics in demersal sharks of the North-East Atlantic. Scientific Reports, 2020, 10, 12204.	1.6	48
945	Sampling and Quality Assurance and Quality Control: A Guide for Scientists Investigating the Occurrence of Microplastics Across Matrices. Applied Spectroscopy, 2020, 74, 1099-1125.	1.2	191
946	Spatio-temporal distribution of plastic and microplastic debris in the surface water of the Bohai Sea, China. Marine Pollution Bulletin, 2020, 158, 111343.	2.3	52

#	Article	IF	Citations
947	Motion behavior and metabolic response to microplastic leachates in the benthic foraminifera Haynesina germanica. Journal of Experimental Marine Biology and Ecology, 2020, 529, 151395.	0.7	17
948	Nanoplastics impact the zebrafish (Danio rerio) transcriptome: Associated developmental and neurobehavioral consequences. Environmental Pollution, 2020, 266, 115090.	3.7	77
949	Thermal analysis and enhanced visual technique for assessment of microplastics in fish from an Urban Harbor, Mediterranean Coast of Egypt. Marine Pollution Bulletin, 2020, 159, 111465.	2.3	48
950	Contamination of stream fish by plastic waste in the Brazilian Amazon. Environmental Pollution, 2020, 266, 115241.	3.7	47
951	The contamination of inland waters by microplastic fibres under different anthropogenic pressure: Preliminary study in Central Europe (Poland). Waste Management and Research, 2020, 38, 1231-1238.	2.2	23
952	Tracking flood debris using satellite-derived ocean color and particle-tracking modeling. Marine Pollution Bulletin, 2020, 161, 111828.	2.3	14
953	Soil erosion and sediment dynamics in the Anthropocene: a review of human impacts during a period of rapid global environmental change. Journal of Soils and Sediments, 2020, 20, 4115-4143.	1.5	77
954	Recent Purification Technologies and Human Health Risk Assessment of Microplastics. Materials, 2020, 13, 5196.	1.3	16
955	A Review of the Production, Recycling and Management of Marine Plastic Pollution. Journal of Marine Science and Engineering, 2020, 8, 945.	1.2	23
956	Laboratory Measurements of the Waveâ€Induced Motion of Plastic Particles: Influence of Wave Period, Plastic Size and Plastic Density. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016294.	1.0	26
957	Microplastic Contamination of Three Commonly Consumed Seafood Species from Taiwan: A Pilot Study. Sustainability, 2020, 12, 9543.	1.6	14
958	Toward Balancing the Budget: Surface Macro-Plastics Dominate the Mass of Particulate Pollution Stranded on Beaches. Frontiers in Marine Science, 2020, 7, .	1.2	29
959	Immunotoxicity and intestinal effects of nano- and microplastics: a review of the literature. Particle and Fibre Toxicology, 2020, 17, 57.	2.8	269
960	Synergistic biodegradation of aromatic-aliphatic copolyester plastic by a marine microbial consortium. Nature Communications, 2020, 11, 5790.	5.8	122
961	Biodegradation of Wasted Bioplastics in Natural and Industrial Environments: A Review. Sustainability, 2020, 12, 6030.	1.6	215
962	Tropical Expansion Driven by Poleward Advancing Midlatitude Meridional Temperature Gradients. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033158.	1.2	37
963	Circular economy. , 2020, , 223-240.		1
964	Fishing gear dominates marine litter in the Wetlands Reserve in Al Wusta Governorate, Oman. Marine Pollution Bulletin, 2020, 159, 111503.	2.3	13

#	Article	IF	Citations
965	Spatial and temporal analysis of meso- and microplastic pollution in the Ligurian and Tyrrhenian Seas. Marine Pollution Bulletin, 2020, 159, 111515.	2.3	15
966	Microplastic and tire wear particle occurrence in fishes from an urban estuary: Influence of feeding characteristics on exposure risk. Marine Pollution Bulletin, 2020, 160, 111539.	2.3	73
967	Marine Plastics from Norwegian West Coast Carry Potentially Virulent Fish Pathogens and Opportunistic Human Pathogens Harboring New Variants of Antibiotic Resistance Genes. Microorganisms, 2020, 8, 1200.	1.6	56
968	PAH Sorption to Nanoplastics and the Trojan Horse Effect as Drivers of Mitochondrial Toxicity and PAH Localization in Zebrafish. Frontiers in Environmental Science, 2020, 8, .	1.5	55
969	Transnational Plastics: An Australian Case for Global Action. Frontiers in Environmental Science, 2020, 8, .	1.5	11
970	Decadal changes in plastic litter regurgitated by albatrosses and giant petrels at sub-Antarctic Marion Island. Marine Pollution Bulletin, 2020, 159, 111471.	2.3	9
971	Ocean plastic crisisâ€"Mental models of plastic pollution from remote Indonesian coastal communities. PLoS ONE, 2020, 15, e0236149.	1.1	56
972	Bioaccumulation and reproductive effects of fluorescent microplastics in medaka fish. Marine Pollution Bulletin, 2020, 158, 111446.	2.3	61
973	Marine macro-litter composition and distribution along the Kenyan Coast: The first-ever documented study. Marine Pollution Bulletin, 2020, 159, 111497.	2.3	25
974	Nanoscale infrared, thermal and mechanical properties of aged microplastics revealed by an atomic force microscopy coupled with infrared spectroscopy (AFM-IR) technique. Science of the Total Environment, 2020, 744, 140944.	3.9	46
975	The long-term legacy of plastic mass production. Science of the Total Environment, 2020, 746, 141115.	3.9	73
976	Release kinetics as a key linkage between the occurrence of flame retardants in microplastics and their risk to the environment and ecosystem: A critical review. Water Research, 2020, 185, 116253.	5.3	59
977	Polystyrene nanoplastics cause growth inhibition, morphological damage and physiological disturbance in the marine microalga Platymonas helgolandica. Marine Pollution Bulletin, 2020, 158, 111403.	2.3	73
978	Persistent organic pollutants, metals, and the bacterial community composition associated with microplastics in Muskegon Lake (MI). Journal of Great Lakes Research, 2020, 46, 1444-1458.	0.8	29
979	Remarkable elasticity and enzymatic degradation of bio-based poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182 Td (adipate-<i>c	4.6	47
980	Microplastic acts as a vector for contaminants: the release behavior of dibutyl phthalate from polyvinyl chloride pipe fragments in water phase. Environmental Science and Pollution Research, 2020, 27, 42082-42091.	2.7	51
981	Microplastic degradation by bacteria in aquatic ecosystem. , 2020, , 431-467.		23
982	Quantifying impacts of plastic debris on marine wildlife identifies ecological breakpoints. Ecology Letters, 2020, 23, 1479-1487.	3.0	51

#	Article	IF	Citations
983	Upcycling of polyethylene terephthalate plastic waste to microporous carbon structure for energy storage. Energy Storage, 2020, 2, e201.	2.3	29
984	Plastics and microplastics, effects on marine coastal areas: a review. Environmental Science and Pollution Research, 2020, 27, 39913-39922.	2.7	28
985	Microplastics in the edible and inedible tissues of pelagic fishes sold for human consumption in Kerala, India. Environmental Pollution, 2020, 266, 115365.	3.7	90
986	The highly crystalline <scp>PET</scp> found in plastic water bottles does not support the growth of the <scp>PETase</scp>â€producing bacterium Ideonella sakaiensis. Environmental Microbiology Reports, 2020, 12, 578-582.	1.0	24
987	Benchmarking the Agronomic Performance of Biodegradable Mulches against Polyethylene Mulch Film: A Meta-Analysis. Agronomy, 2020, 10, 1618.	1.3	42
988	Estimations of densities of marine litter on the fringing reefs of Mayotte (France â€“ South Western) Tj ETQq1 1 0.784314 rgBT /Ove	2.3	16
989	Ingestion and elimination of anthropogenic fibres and microplastic fragments by the European anchovy (Engraulis encrasicolus) of the NW Mediterranean Sea. Marine Biology, 2020, 167, 1.	0.7	23
990	Microplastic exposure interacts with habitat degradation to affect behaviour and survival of juvenile fish in the field. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201947.	1.2	26
991	Microplastics ingestion by blue panchax fish (Aplocheilus sp.) from Ciliwung Estuary, Jakarta, Indonesia. Marine Pollution Bulletin, 2020, 161, 111763.	2.3	58
992	Occurrence of microplastics in the gastrointestinal tracts of some edible fish species along the Turkish coast. Turkish Journal of Zoology, 2020, 44, 312-323.	0.4	33
993	Effects of microplastics and nanoplastics on marine environment and human health. Environmental Science and Pollution Research, 2020, 27, 44743-44756.	2.7	115
994	Unsteady Ekmanâ€Stokes Dynamics: Implications for Surface Waveâ€Induced Drift of Floating Marine Litter. Geophysical Research Letters, 2020, 47, e2020GL089189.	1.5	7
995	Pollution of Microplastics in Coastal Plain of the Huangshui River Basin. IOP Conference Series: Earth and Environmental Science, 2020, 546, 032040.	0.2	0
996	Distribution of plastic debris pollution and it is implications on mangrove vegetation. Marine Pollution Bulletin, 2020, 160, 111642.	2.3	36
997	Sustainable bivalve farming can deliver food security in the tropics. Nature Food, 2020, 1, 384-388.	6.2	36
998	Identification of tidal trapping of microplastics in a temperate salt marsh system using sea surface microlayer sampling. Scientific Reports, 2020, 10, 14147.	1.6	43
999	The costs of removing the unsanctioned import of marine plastic litter to small island states. Scientific Reports, 2020, 10, 14458.	1.6	34
1000	A Plastic Problem: Taking a Look at Plastic Pollution in Our Oceans. Environmental Toxicology and Chemistry, 2020, 39, 2095-2096.	2.2	2

#	Article	IF	Citations
1001	Micro- and Nanoplastic Exposure Effects in Microalgae: A Meta-Analysis of Standard Growth Inhibition Tests. Frontiers in Environmental Science, 2020, 8, .	1.5	24
1002	Closing the Mediterranean Marine Floating Plastic Mass Budget: Inverse Modeling of Sources and Sinks. Environmental Science & Technology, 2020, 54, 11980-11989.	4.6	71
1004	Investigating Detection of Floating Plastic Litter from Space Using Sentinel-2 Imagery. Remote Sensing, 2020, 12, 2648.	1.8	83
1005	Bacterial biofilms colonizing plastics in estuarine waters, with an emphasis onÂVibrioÂspp. and their antibacterial resistance. PLoS ONE, 2020, 15, e0237704.	1.1	58
1006	High concentrations of plastic hidden beneath the surface of the Atlantic Ocean. Nature Communications, 2020, 11, 4073.	5.8	261
1007	Nanopolystyrene beads affect motility and reproductive success of oyster spermatozoa (Crassostrea gigas). Nanotoxicology, 2020, 14, 1039-1057.	1.6	24
1008	Airborne microplastic particles detected in the remote marine atmosphere. Communications Earth & Environment, 2020, 1, .	2.6	131
1009	Indoor spectroradiometric characterization of plastic litters commonly polluting the Mediterranean Sea: toward the application of multispectral imagery. Scientific Reports, 2020, 10, 19850.	1.6	19
1010	The generation of marine litter in Mediterranean island beaches as an effect of tourism and its mitigation. Scientific Reports, 2020, 10, 20326.	1.6	40
1011	Presence of microplastics in benthic macroinvertebrates along the Kenyan coast. African Journal of Marine Science, 2020, 42, 405-411.	0.4	9
1012	Marine Litter Pollution in Baltic Sea Beaches â€“ Application of the Sand Rake Method. Frontiers in Environmental Science, 2020, 8, .	1.5	17
1013	Microplastic Contamination of Seafood Intended for Human Consumption: A Systematic Review and Meta-Analysis. Environmental Health Perspectives, 2020, 128, 126002.	2.8	126
1014	Stimulated Raman microspectroscopy as a new method to classify microfibers from environmental samples. Environmental Pollution, 2020, 267, 115640.	3.7	36
1015	A new method for microplastic extraction from fish guts assisted by chemical dissolution. Analytical Methods, 2020, 12, 5450-5457.	1.3	5
1016	Current status of microplastics pollution in tianjin coastal waters. IOP Conference Series: Earth and Environmental Science, 2020, 546, 032033.	0.2	0
1017	Exploitation of a Productive Asset in the Presence of Strategic Behavior and Pollution Externalities. Mathematics, 2020, 8, 1682.	1.1	3
1018	Current State of Knowledge and Conservation Perspectives on the Cetaceans of the Aegean Sea. Handbook of Environmental Chemistry, 2020, , 1.	0.2	7
1019	Research and Design of Marine Trash Classification Robot Based on Color Recognition. IOP Conference Series: Earth and Environmental Science, 2020, 514, 032043.	0.2	2

#	Article	IF	Citations
1020	Systematic Development of a Simultaneous Determination of Plastic Particle Identity and Adsorbed Organic Compounds by Thermodesorptionâ€“Pyrolysis GC/MS (TD-Pyr-GC/MS). Molecules, 2020, 25, 4985.	1.7	21
1021	A Review of Studies on Set Gear Selectivity in the Adriatic Sea. Handbook of Environmental Chemistry, 2020, , 329-348.	0.2	0
1022	Seafloor microplastic hotspots controlled by deep-sea circulation. Science, 2020, 368, 1140-1145.	6.0	430
1023	Experimental ingestion of fluorescent microplastics by pacific oysters, Crassostrea gigas, and their effects on the behaviour and development at early stages. Chemosphere, 2020, 254, 126793.	4.2	32
1024	Effects of polymer aging on sorption of 2,2â€²,4,4â€²-tetrabromodiphenyl ether by polystyrene microplastics. Chemosphere, 2020, 253, 126706.	4.2	71
1025	Effects of short-term exposure to environmentally-relevant concentrations of benzo(a)pyrene-sorbed polystyrene to White seabass (Atractoscion nobilis)â˜†. Environmental Pollution, 2020, 263, 114617.	3.7	11
1026	Analytical methods and environmental processes of nanoplastics. Journal of Environmental Sciences, 2020, 94, 88-99.	3.2	67
1027	First evidence of plastic fallout from the North Pacific Garbage Patch. Scientific Reports, 2020, 10, 7495.	1.6	105
1028	Litter Windrows in the South-East Coast of the Bay of Biscay: An Ocean Process Enabling Effective Active Fishing for Litter. Frontiers in Marine Science, 2020, 7, .	1.2	20
1029	Relative abundance of derelict fishing gear in the Hawaii-based pelagic longline fishery grounds as estimated from fishery observer data. Scientific Reports, 2020, 10, 7767.	1.6	9
1030	Polystyrene microplastics induce mortality through acute cell stress and inhibition of cholinergic activity in a brine shrimp. Molecular and Cellular Toxicology, 2020, 16, 233-243.	0.8	45
1031	You Are What You Eat, Microplastics in Porbeagle Sharks From the North East Atlantic: Method Development and Analysis in Spiral Valve Content and Tissue. Frontiers in Marine Science, 2020, 7, .	1.2	23
1032	Natural and anthropogenic dispersal of cyanobacteria: a review. Hydrobiologia, 2020, 847, 2801-2822.	1.0	17
1033	Detection and occurrence of microplastics in the stomach of commercial fish species from a municipal water supply lake in southwestern Nigeria. Environmental Science and Pollution Research, 2020, 27, 31035-31045.	2.7	53
1034	Making visible, rendering obscure: reading the plastic crisis through contemporary artistic visual representations. Global Sustainability, 2020, 3, .	1.6	7
1035	The Colors of the Ocean Plastics. Environmental Science & Technology, 2020, 54, 6594-6601.	4.6	136
1036	Biological Materials: The Next Frontier for Cell-Free Synthetic Biology. Frontiers in Bioengineering and Biotechnology, 2020, 8, 399.	2.0	40
1037	Macroplastic distribution (Single-use plastics and some Fishing gear) from the northern to the southern Bulgarian Black Sea coast. Regional Studies in Marine Science, 2020, 37, 101329.	0.4	8

#	Article	IF	Citations
1038	Polyesters by a Radical Pathway: Rationalization of the Cyclic Ketene Acetal Efficiency. Angewandte Chemie - International Edition, 2020, 59, 14517-14526.	7.2	28
1039	A Deep Learning Model for Automatic Plastic Mapping Using Unmanned Aerial Vehicle (UAV) Data. Remote Sensing, 2020, 12, 1515.	1.8	45
1040	High-Resolution Mapping of Japanese Microplastic and Macroplastic Emissions from the Land into the Sea. Water (Switzerland), 2020, 12, 951.	1.2	45
1041	Are we underestimating microplastic abundance in the marine environment? A comparison of microplastic capture with nets of different mesh-size. Environmental Pollution, 2020, 265, 114721.	3.7	286
1042	Water-induced plasticization in vegetable-based bioplastic films: A structural and thermo-mechanical study. Polymer, 2020, 200, 122598.	1.8	23
1043	Cooperative recyclable magnetic microsubmarines for oil and microplastics removal from water. Applied Materials Today, 2020, 20, 100682.	2.3	53
1044	Trace elements in microplastics stranded on beaches of remote islands in the NE Atlantic. Marine Pollution Bulletin, 2020, 156, 111270.	2.3	19
1045	Weathering alters surface characteristic of TiO2-pigmented microplastics and particle size distribution of TiO2 released into water. Science of the Total Environment, 2020, 729, 139083.	3.9	45
1046	Density and composition of surface and buried plastic debris in beaches of Senegal. Science of the Total Environment, 2020, 737, 139633.	3.9	27
1047	Spoilt - Ocean Cleanup: Alternative logistics chains to accommodate plastic waste recycling: An economic evaluation. Transportation Research Interdisciplinary Perspectives, 2020, 5, 100115.	1.6	10
1048	Microplastics in the marine environment: A review of their sources, distribution processes, uptake and exchange in ecosystems. Case Studies in Chemical and Environmental Engineering, 2020, 2, 100010.	2.9	136
1049	A closer look at anthropogenic fiber ingestion in Aristeus antennatus in the NW Mediterranean Sea: Differences among years and locations and impact on health condition. Environmental Pollution, 2020, 263, 114567.	3.7	27
1050	A Horizon Scan of research priorities to inform policies aimed at reducing the harm of plastic pollution to biota. Science of the Total Environment, 2020, 733, 139381.	3.9	40
1051	COVID-19 Pandemic Repercussions on the Use and Management of Plastics. Environmental Science & Technology, 2020, 54, 7760-7765.	4.6	649
1052	Construction of cell-plastics as neo-plastics consisted of cell-layer provided green alga Chlamydomonas reinhardtii covered by two-dimensional polymer. AMB Express, 2020, 10, 112.	1.4	8
1053	Microplastic pollution in surface water of Lake Victoria. Science of the Total Environment, 2020, 741, 140201.	3.9	130
1054	Global trends and prospects in microplastics research: A bibliometric analysis. Journal of Hazardous Materials, 2020, 400, 123110.	6.5	132
1055	Low densities of macroplastic debris in the Pitcairn Islands Marine Reserve. Marine Pollution Bulletin, 2020, 157, 111373.	2.3	12

#	Article	IF	Citations
1056	Standardized protocols for microplastics determinations in environmental samples from the Gulf and marginal seas. Marine Pollution Bulletin, 2020, 158, 111374.	2.3	33
1057	Persistence of plastic debris and its colonization by bacterial communities after two decades on the abyssal seafloor. Scientific Reports, 2020, 10, 9484.	1.6	58
1058	Spatiotemporal evaluation of the human footprint in Colombia: Four decades of anthropic impact in highly biodiverse ecosystems. Ecological Indicators, 2020, 117, 106630.	2.6	62
1059	No evidence of microplastics in Antarctic fur seal scats from a hotspot of human activity in Western Antarctica. Science of the Total Environment, 2020, 737, 140210.	3.9	36
1060	Biological and Ecological Impacts of Plastic Debris in Aquatic Ecosystems. Handbook of Environmental Chemistry, 2020, , 1.	0.2	4
1061	Distance to landfill and human activities affects the debris incorporation into the white stork nests in urbanized landscape in central Spain. Environmental Science and Pollution Research, 2020, 27, 30893-30898.	2.7	16
1062	Microplastic in the stomachs of open-ocean and deep-sea fishes of the North-East Atlantic. Environmental Pollution, 2020, 265, 115060.	3.7	64
1063	Ingestion of microplastics and occurrence of parasite association in Mediterranean anchovy and sardine. Marine Pollution Bulletin, 2020, 158, 111399.	2.3	53
1064	An Effect of Water Presence on Surface Exfoliation of Polypropylene Film Initiated by Photodegradation. Journal of Polymers and the Environment, 2020, 28, 2219-2226.	2.4	16
1065	Review of microplastic occurrence and toxicological effects in marine environment: Experimental evidence of inflammation. Chemical Engineering Research and Design, 2020, 142, 1-14.	2.7	152
1066	Microplastics mixture exposure at environmentally relevant conditions induce oxidative stress and neurotoxicity in the wedge clam Donax trunculus. Chemosphere, 2020, 258, 127344.	4.2	57
1067	Land-based sources and pathways of marine plastics in a South African context. South African Journal of Science, 2020, 116, .	0.3	28
1068	Occurrence of phthalate esters and microplastics in urban secondary effluents, receiving water bodies and reclaimed water treatment processes. Science of the Total Environment, 2020, 737, 140219.	3.9	40
1069	Society Role in the Reduction of Plastic Pollution. Handbook of Environmental Chemistry, 2020, , 39-65.	0.2	12
1070	The plastic brain: neurotoxicity of micro- and nanoplastics. Particle and Fibre Toxicology, 2020, 17, 24.	2.8	273
1071	Biodiversity of Microorganisms Colonizing the Surface of Polystyrene Samples Exposed to Different Aqueous Environments. Sustainability, 2020, 12, 3624.	1.6	22
1072	Interaction of Environmental Pollutants with Microplastics: A Critical Review of Sorption Factors, Bioaccumulation and Ecotoxicological Effects. Toxics, 2020, 8, 40.	1.6	125
1073	Polyesters by a Radical Pathway: Rationalization of the Cyclic Ketene Acetal Efficiency. Angewandte Chemie, 2020, 132, 14625-14634.	1.6	6

#	Article	IF	Citations
1074	London's river of plastic: High levels of microplastics in the Thames water column. Science of the Total Environment, 2020, 740, 140018.	3.9	64
1075	Removal of microplastics from the environment. A review. Environmental Chemistry Letters, 2020, 18, 807-828.	8.3	341
1076	Benthic Crustacean Digestion Can Modulate the Environmental Fate of Microplastics in the Deep Sea. Environmental Science & Technology, 2020, 54, 4886-4892.	4.6	96
1077	The Potential of Food Packaging Attributes to Influence Consumersâ€™ Decisions to Sort Waste. Sustainability, 2020, 12, 2234.	1.6	34
1078	Countermeasures on Plastic and Microplastic Garbage Management. Handbook of Environmental Chemistry, 2020, , 447-469.	0.2	1
1079	Environmental and economic analysis of waste management scenarios for a warship in life cycle perspective. Journal of Material Cycles and Waste Management, 2020, 22, 1113-1125.	1.6	5
1080	Passive and Active Removal of Marine Microplastics by a Mushroom Coral (Danafungia scruposa). Frontiers in Marine Science, 2020, 7, .	1.2	58
1081	Aging mechanism of microplastics with UV irradiation and its effects on the adsorption of heavy metals. Journal of Hazardous Materials, 2020, 393, 122515.	6.5	448
1082	The Toxicity of (Nano)Microplastics on C. elegans and Its Mechanisms. Handbook of Environmental Chemistry, 2020, , 259-278.	0.2	5
1083	Oxidative stress-related effects induced by micronized polyethylene terephthalate microparticles in the Manila clam. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2020, 83, 168-179.	1.1	27
1084	Plastics occurrence in juveniles of Engraulis encrasicolus and Sardina pilchardus in the Southern Tyrrhenian Sea. Science of the Total Environment, 2020, 718, 137457.	3.9	60
1085	Types, occurrence and distribution of microplastics in sediments from the northern Tyrrhenian Sea. Marine Pollution Bulletin, 2020, 153, 111016.	2.3	45
1086	Transport and Burial of Microplastics in Deep-Marine Sediments by Turbidity Currents. Environmental Science & Technology, 2020, 54, 4180-4189.	4.6	172
1087	Microplastics generated when opening plastic packaging. Scientific Reports, 2020, 10, 4841.	1.6	171
1088	Non-breaking Wave Effects on Buoyant Particle Distributions. Frontiers in Marine Science, 2020, 7, .	1.2	10
1089	Microplastics. , 2020, , 223-249.		16
1090	Modeling the three-dimensional transport and distribution of multiple microplastic polymer types in Lake Erie. Marine Pollution Bulletin, 2020, 154, 111024.	2.3	46
1091	Delineating and preventing plastic waste leakage in the marine and terrestrial environment. Environmental Science and Pollution Research, 2020, 27, 12830-12837.	2.7	25

#	Article	IF	Citations
1092	Destination of floating plastic debris released from ten major rivers around the Korean Peninsula. Environment International, 2020, 138, 105655.	4.8	44
1093	Microplastics in Fish and Shellfish â€“ A Threat to Seafood Safety?. Journal of Aquatic Food Product Technology, 2020, 29, 417-425.	0.6	77
1094	Corporate social responsibility, water management, and financial performance in the food and beverage industry. Corporate Social Responsibility and Environmental Management, 2020, 27, 1937-1946.	5.0	20
1095	The influence of polyethylene microplastics on pesticide residue and degradation in the aquatic environment. Journal of Hazardous Materials, 2020, 394, 122517.	6.5	83
1096	A review of possible pathways of marine microplastics transport in the ocean. Anthropocene Coasts, 2020, 3, 6-13.	0.6	72
1097	Microplastics in sea-surface waters surrounding Sweden sampled by manta trawl and in-situ pump. Marine Pollution Bulletin, 2020, 153, 111019.	2.3	64
1098	The key role of canyons in funnelling litter to the deep sea: A study of the Gioia Canyon (Southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	24
1099	Characterization of microplastics on filter substrates based on hyperspectral imaging: Laboratory assessments. Environmental Pollution, 2020, 263, 114296.	3.7	49
1100	The transport and fate of marine plastics in South Africa and adjacent oceans. South African Journal of Science, 2020, 116, .	0.3	33
1101	Plastic Ingestion in Sardines (Sardinops sagax) From Frenchman Bay, Western Australia, Highlights a Problem in a Ubiquitous Fish. Frontiers in Marine Science, 2020, 7, .	1.2	14
1102	The response of Synechococcus sp. PCC 7002 to micro-/nano polyethylene particles - Investigation of a key anthropogenic stressor. PLoS ONE, 2020, 15, e0232745.	1.1	14
1103	Composition, spatial distribution and sources of plastic litter on the East China Sea floor. Science of the Total Environment, 2020, 742, 140525.	3.9	15
1104	Impacts of Microplastics on the Swimming Behavior of the Copepod Temora turbinata (Dana, 1849). Fluids, 2020, 5, 103.	0.8	15
1105	Microplastics in Freshwater Ecosystems. , 2020, , 1-19.		4
1106	Microplastic Fate and Impacts in the Environment. , 2020, , 1-24.		6
1107	Microplastic pollution profile of Mediterranean mussels (Mytilus galloprovincialis) collected along the Turkish coasts. Chemosphere, 2020, 260, 127570.	4.2	100
1108	A critical review of harm associated with plastic ingestion on vertebrates. Science of the Total Environment, 2020, 743, 140666.	3.9	40
1109	Microplastics in edible mussels from a southern Mediterranean lagoon: Preliminary results on seawater-mussel transfer and implications for environmental protection and seafood safety. Marine Pollution Bulletin, 2020, 158, 111355.	2.3	72

#	Article	IF	Citations
1110	Supplementation of watermelon peels as an enhancer of lipase and esterase production byYarrowia lipolyticain solid-state fermentation and their potential use as biocatalysts in poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 737 To	1.1	19
1111	Feeding ecology and microplastic ingestion in Chelon richardsonii (Mugilidae) associated with surf diatom Anaulus australis accumulations in a warm temperate South African surf zone. Marine Pollution Bulletin, 2020, 158, 111430.	2.3	19
1112	Combined toxicity of microplastics and cadmium on the zebrafish embryos (Danio rerio). Science of the Total Environment, 2020, 743, 140638.	3.9	93
1113	Fragmentation of plastic objects in a laboratory seawater microcosm. Scientific Reports, 2020, 10, 10945.	1.6	101
1114	Evidence for rapid gut clearance of microplastic polyester fibers fed to Chinook salmon: A tank study. Environmental Pollution, 2020, 265, 115083.	3.7	11
1115	Development of chia seed (Salvia hispanica) mucilage films plasticized with polyol mixtures: Mechanical and barrier properties. International Journal of Biological Macromolecules, 2020, 163, 854-864.	3.6	23
1116	Sinking of microbial-associated microplastics in natural waters. PLoS ONE, 2020, 15, e0228209.	1.1	41
1117	Trophic transfer of microplastics in an estuarine food chain and the effects of a sorbed legacy pollutant. Limnology and Oceanography Letters, 2020, 5, 154-162.	1.6	100
1118	Distribution, abundance and risks of microplastics in the environment. Chemosphere, 2020, 249, 126059.	4.2	117
1119	Microplastic contamination in Auckland (New Zealand) beach sediments. Marine Pollution Bulletin, 2020, 151, 110867.	2.3	69
1120	Microplastic ingestion by pelagic and demersal fish species from the Eastern Central Atlantic Ocean, off the Coast of Ghana. Marine Pollution Bulletin, 2020, 153, 110998.	2.3	60
1121	Coastal margins and backshores represent a major sink for marine debris: insights from a continental-scale analysis. Environmental Research Letters, 2020, 15, 074037.	2.2	89
1122	Study of plastic pollution and its potential sources on Gran Canaria Island beaches (Canary Islands,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.3	33
1123	Storm Response of Fluvial Sedimentary Microplastics. Scientific Reports, 2020, 10, 1865.	1.6	68
1124	Impervious and influence in the liquid fuel production from municipal plastic waste through thermo-chemical biomass conversion technologies - A review. Science of the Total Environment, 2020, 718, 137287.	3.9	68
1125	Degradable sugar-based magnetic hybrid nanoparticles for recovery of crude oil from aqueous environments. Polymer Chemistry, 2020, 11, 4895-4903.	1.9	10
1126	Microplastics and Nanoplastics in Aquatic Environments: Challenges and Threats to Aquatic Organisms. Arabian Journal for Science and Engineering, 2020, 45, 4419-4440.	1.7	59
1127	Development of AOP relevant to microplastics based on toxicity mechanisms of chemical additives using ToxCastâ„¢ and deep learning models combined approach. Environment International, 2020, 137, 105557.	4.8	59

#	Article	IF	Citations
1128	Plastic ingestion by seabirds in New Caledonia, South Pacific. Marine Pollution Bulletin, 2020, 152, 110925.	2.3	11
1129	Do different habits affect microplastics contents in organisms? A trait-based analysis on salt marsh species. Marine Pollution Bulletin, 2020, 153, 110983.	2.3	43
1130	Effects of microplastic biofilms on nutrient cycling in simulated freshwater systems. Science of the Total Environment, 2020, 719, 137276.	3.9	105
1131	Optimizing canopyâ€forming algae conservation and restoration with a new herbivorous fish deterrent device. Restoration Ecology, 2020, 28, 750-756.	1.4	13
1132	An innovative approach for the simultaneous quantitative screening of organic plastic additives in complex matrices in marine coastal areas. Environmental Science and Pollution Research, 2020, 27, 11450-11457.	2.7	27
1133	Low microalgae availability increases the ingestion rates and potential effects of microplastics on marine copepod Pseudodiaptomus annandalei. Marine Pollution Bulletin, 2020, 152, 110919.	2.3	27
1134	Polyesterâ€based biodegradable plastics: an approach towards sustainable development. Letters in Applied Microbiology, 2020, 70, 413-430.	1.0	80
1135	Plastics in municipal drinking water and wastewater treatment plant effluents: challenges and opportunities for South Africaâ€"a review. Environmental Science and Pollution Research, 2020, 27, 12953-12966.	2.7	29
1136	Monitoring the occurrence of microplastic ingestion in Otariids along the Peruvian and Chilean coasts. Marine Pollution Bulletin, 2020, 153, 110966.	2.3	47
1137	Histological, enzymatic and chemical analyses of the potential effects of differently sized microplastic particles upon long-term ingestion in zebrafish (Danio rerio). Marine Pollution Bulletin, 2020, 153, 111022.	2.3	48
1138	High levels of pelagic plastic pollution within the surface waters of Lakes Erie and Ontario. Journal of Great Lakes Research, 2020, 46, 277-288.	0.8	39
1139	Microbial Degradation of Plastic in Aqueous Solutions Demonstrated by CO2 Evolution and Quantification. International Journal of Molecular Sciences, 2020, 21, 1176.	1.8	28
1140	Microplastics in the commercial seaweed nori. Journal of Hazardous Materials, 2020, 388, 122060.	6.5	133
1141	Microplastic ingestion and diet composition of planktivorous fish. Limnology and Oceanography Letters, 2020, 5, 103-112.	1.6	69
1142	Microplastic accumulation in a Zostera marina L. bed at Deerness Sound, Orkney, Scotland. Marine Pollution Bulletin, 2020, 152, 110883.	2.3	68
1143	Riverine anthropogenic litter load to the Mediterranean Sea near the metropolitan area of Barcelona, Spain. Science of the Total Environment, 2020, 714, 136807.	3.9	69
1144	The physical oceanography of the transport of floating marine debris. Environmental Research Letters, 2020, 15, 023003.	2.2	469
1145	A Critical Examination of the Role of Marine Snow and Zooplankton Fecal Pellets in Removing Ocean Surface Microplastic. Frontiers in Marine Science, 2020, 6, .	1.2	50

#	Article	IF	Citations
1146	Microplastics impair the feeding performance of a Mediterranean habitat-forming coral. Marine Environmental Research, 2020, 155, 104887.	1.1	68
1147	Low incidence of microplastic contaminants in Pacific oysters (Crassostrea gigas Thunberg) from the Salish Sea, USA. Science of the Total Environment, 2020, 715, 136826.	3.9	65
1148	Albatrosses and petrels at South Georgia as sentinels of marine debris input from vessels in the southwest Atlantic Ocean. Environment International, 2020, 136, 105443.	4.8	36
1149	Distribution, abundance, and diversity of microplastics in the upper St. Lawrence River. Environmental Pollution, 2020, 260, 113994.	3.7	109
1150	Coastal ocean dynamics reduce the export of microplastics to the open ocean. Science of the Total Environment, 2020, 713, 136634.	3.9	64
1151	The flowing of microplastics was accelerated under the influence of artificial flood generated by hydropower station. Journal of Cleaner Production, 2020, 255, 120174.	4.6	16
1152	The way of microplastic through the environment â€“ Application of the source-pathway-receptor model (review). Science of the Total Environment, 2020, 713, 136584.	3.9	158
1153	Underestimated Microplastic Pollution Derived from Fishery Activities and â€œHiddenâ€•in Deep Sediment. Environmental Science & Technology, 2020, 54, 2210-2217.	4.6	189
1154	Biological Responses to Climate Change and Nanoplastics Are Altered in Concert: Full-Factor Screening Reveals Effects of Multiple Stressors on Primary Producers. Environmental Science & Technology, 2020, 54, 2401-2410.	4.6	48
1155	Optical transmission spectra study in visible and near-infrared spectral range for identification of rough transparent plastics in aquatic environments. Chemosphere, 2020, 248, 126071.	4.2	28
1156	Aerobic biodegradation in freshwater and marine environments of textile microfibers generated in clothes laundering: Effects of cellulose and polyester-based microfibers on the microbiome. Marine Pollution Bulletin, 2020, 151, 110826.	2.3	62
1157	Plastic floating debris along a summer-winter estuarine environmental gradient in a coastal lagoon: how does plastic debris arrive in a conservation unit?. Environmental Science and Pollution Research, 2020, 27, 8797-8806.	2.7	24
1158	Occurrence and characterization of surface sediment microplastics and litter from North African coasts of Mediterranean Sea: Preliminary research and first evidence. Science of the Total Environment, 2020, 713, 136664.	3.9	77
1159	Making sense of microplastics? Public understandings of plastic pollution. Marine Pollution Bulletin, 2020, 152, 110908.	2.3	140
1160	Repeated-oral dose toxicity of polyethylene microplastics and the possible implications on reproduction and development of the next generation. Toxicology Letters, 2020, 324, 75-85.	0.4	120
1161	Adverse effects of plastic ingestion on the Mediterranean small-spotted catshark (Scyliorhinus) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.1	55
1162	Effect of the wine lees wastes as costâ€•advantage and natural fillers on the thermal and mechanical properties of poly(3â€•hydroxybutyrateâ€•<scp>co</scp>â€•hydroxyhexanoate) (PHBH) and poly(3â€•hydroxybutyrateâ€•<scp>co</scp>â€•hydroxyvalerate) (PHBV). Journal of Applied Polymer Science, 2020, 137, 48869.	1.3	32
1163	The rapid increases in microplastics in urban lake sediments. Scientific Reports, 2020, 10, 848.	1.6	58

#	Article	IF	Citations
1164	Effects of environmentally relevant concentrations of microplastic fibers on Pacific mole crab (<scp>Emerita analoga</scp>) mortality and reproduction. Limnology and Oceanography Letters, 2020, 5, 74-83.	1.6	95
1165	Biodegradable and Compostable Plastics: A Critical Perspective on the Dawn of their Global Adoption. ChemistryOpen, 2020, 9, 8-13.	0.9	42
1166	Field study on concrete footpath with recycled plastic and crushed glass as filler materials. Construction and Building Materials, 2020, 243, 118277.	3.2	15
1167	Behavior and distribution of polystyrene foams on the shore of Tuul River in Mongolia. Environmental Pollution, 2020, 260, 113979.	3.7	17
1168	Microplastic abundance, distribution and composition in the mid-west Pacific Ocean. Environmental Pollution, 2020, 264, 114125.	3.7	122
1169	Plastic pollution on eight beaches of Tenerife (Canary Islands, Spain): An annual study. Marine Pollution Bulletin, 2020, 151, 110847.	2.3	47
1170	Periphytic biofilm: An innovative approach for biodegradation of microplastics. Science of the Total Environment, 2020, 717, 137064.	3.9	129
1171	Quantitative overview of marine debris ingested by marine megafauna. Marine Pollution Bulletin, 2020, 151, 110858.	2.3	275
1172	Triggered Transience of Plastic Materials by a Single Electron Transfer Mechanism. ACS Central Science, 2020, 6, 266-273.	5.3	25
1173	Predicting marine litter accumulation patterns in the Mediterranean basin: Spatio-temporal variability and comparison with empirical data. Progress in Oceanography, 2020, 182, 102268.	1.5	56
1174	Quantifying changes in litter loads in urban stormwater run-off from Cape Town, South Africa, over the last two decades. Science of the Total Environment, 2020, 724, 138310.	3.9	37
1175	Jellyfish as innovative bioindicator for plastic pollution. Ecological Indicators, 2020, 115, 106375.	2.6	29
1176	3D hotspots of marine litter in the Mediterranean: A modeling study. Marine Pollution Bulletin, 2020, 155, 111159.	2.3	42
1177	Rainfall is a significant environmental factor of microplastic pollution in inland waters. Science of the Total Environment, 2020, 732, 139065.	3.9	136
1178	Editorial: Sedimentology and Society. Frontiers in Earth Science, 2020, 8, .	0.8	1
1179	Development of recycled polylactic acid/oyster shell/biomass waste composite for green packaging materials with pure natural glue and nano-fluid. Environmental Science and Pollution Research, 2020, 27, 26276-26304.	2.7	4
1180	A global assessment of the relationship between anthropogenic debris on land and the seafloor. Environmental Pollution, 2020, 264, 114663.	3.7	37
1181	How sea urchins face microplastics: Uptake, tissue distribution and immune system response. Environmental Pollution, 2020, 264, 114685.	3.7	62

#	Article	IF	Citations
1182	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. Applied Sciences (Switzerland), 2020, 10, 1974.	1.3	6
1183	Diverse groups of fungi are associated with plastics in the surface waters of the Western South Atlantic and the Antarctic Peninsula. Molecular Ecology, 2020, 29, 1903-1918.	2.0	67
1184	Effects of polystyrene microplastics on larval development, settlement, and metamorphosis of the intertidal barnacle Amphibalanus amphitrite. Ecotoxicology and Environmental Safety, 2020, 194, 110362.	2.9	31
1185	Monitoring of mechanical performances of flax non-woven biocomposites during a home compost degradation. Polymer Degradation and Stability, 2020, 177, 109166.	2.7	37
1186	Exposure route affects the distribution and toxicity of polystyrene nanoplastics in zebrafish. Science of the Total Environment, 2020, 724, 138065.	3.9	54
1187	Characteristics of microplastic polymer-derived dissolved organic matter and its potential as a disinfection byproduct precursor. Water Research, 2020, 175, 115678.	5.3	117
1188	Estimating the size distribution of plastics ingested by animals. Nature Communications, 2020, 11, 1594.	5.8	132
1189	Development of an Aptamer Based Luminescent Optical Fiber Sensor for the Continuous Monitoring of Hg2+ in Aqueous Media. Sensors, 2020, 20, 2372.	2.1	19
1190	Between source and sea: The role of wastewater treatment in reducing marine microplastics. Journal of Environmental Management, 2020, 266, 110642.	3.8	122
1191	Microplastic particles in the Persian/Arabian Gulf â€“ A review on sampling and identification. Marine Pollution Bulletin, 2020, 154, 111100.	2.3	55
1192	In situ surface-enhanced Raman spectroscopy for detecting microplastics and nanoplastics in aquatic environments. Science of the Total Environment, 2020, 728, 138449.	3.9	165
1193	Application of a Hybrid Fusion Classification Process for Identification of Microplastics Based on Fourier Transform Infrared Spectroscopy. Applied Spectroscopy, 2020, 74, 1167-1183.	1.2	31
1194	Delineating the global plastic marine litter challenge: clarifying the misconceptions. Environmental Monitoring and Assessment, 2020, 192, 267.	1.3	32
1195	A Comprehensive First Baseline for Marine Litter Characterization in the Madeira Archipelago (NE) Tj ETQq1 1 0.784314 rgBT /Overloc	1.1	13
1196	The influence of nanoplastics on the toxic effects, bioaccumulation, biodegradation and enantioselectivity of ibuprofen in freshwater algae Chlorella pyrenoidosa. Environmental Pollution, 2020, 263, 114593.	3.7	61
1197	Abundance and distribution of small microplastics (â‰¤ 3ÂΊ¼m) in sediments and seaworms from the Southern Mediterranean coasts and characterisation of their potential harmful effects.. Environmental Pollution, 2020, 263, 114634.	3.7	70
1198	First study of its kind on the microplastic contamination of soft drinks, cold tea and energy drinks - Future research and environmental considerations. Science of the Total Environment, 2020, 726, 138580.	3.9	171
1199	Limited long-distance transport of plastic pollution by the Orange-Vaal River system, South Africa. Science of the Total Environment, 2020, 727, 138653.	3.9	62

#	Article	IF	Citations
1200	Outlook and overview of microplastics pollution in ecological environment. E3S Web of Conferences, 2020, 143, 02027.	0.2	2
1201	Initial Analysis of Plastic Debris Accumulation in the Estuary of Wonorejo River, Surabaya, Indonesia. E3S Web of Conferences, 2020, 148, 07001.	0.2	0
1202	Recent Biofilm Studies Open a New Door in Microbial Ecology. Microbes and Environments, 2020, 35, n/a.	0.7	0
1203	Setting the scene for Mediterranean litterscape management: The first basin-scale quantification and mapping of floating marine debris. Environmental Pollution, 2020, 263, 114430.	3.7	31
1204	Food preference determines the best suitable digestion protocol for analysing microplastic ingestion by fish. Marine Pollution Bulletin, 2020, 154, 111050.	2.3	31
1205	Tsunami-triggered dispersal and deposition of microplastics in marine environments and their use in dating recent turbidite deposits. Geological Society Special Publication, 2021, 501, 381-390.	0.8	5
1206	Zein-Based Materials: Effect of Nanocarbon Inclusion and Potential Applications. Journal of Polymers and the Environment, 2021, 29, 637-646.	2.4	6
1207	Environmentally relevant concentrations and sizes of microplastic do not impede marine diatom growth. Journal of Hazardous Materials, 2021, 409, 124460.	6.5	32
1208	Polycyclic aromatic hydrocarbon sorption and bacterial community composition of biodegradable and conventional plastics incubated in coastal sediments. Science of the Total Environment, 2021, 755, 143088.	3.9	17
1209	Ingestion of microplastics by Hypanus guttatus stingrays in the Western Atlantic Ocean (Brazilian) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	42
1210	Biodegradable Plastics: Standards, Policies, and Impacts. ChemSusChem, 2021, 14, 56-72.	3.6	186
1211	Latex balloons do not degrade uniformly in freshwater, marine and composting environments. Journal of Hazardous Materials, 2021, 403, 123629.	6.5	0
1212	Effects of exposure of polyethylene microplastics to air, water and soil on their adsorption behaviors for copper and tetracycline. Chemical Engineering Journal, 2021, 404, 126412.	6.6	143
1213	Policy Framework for Mitigating Land-based Marine Plastic Pollution in the Gangetic Delta Region of Bay of Bengal- A review. Journal of Cleaner Production, 2021, 278, 123409.	4.6	42
1214	Tax elasticity of demand for plastic: the cause of plastic pollution in Ghana. Journal of Environmental Economics and Policy, 2021, 10, 28-42.	1.5	3
1215	Environmental distribution, transport and ecotoxicity of microplastics: A review. Journal of Applied Toxicology, 2021, 41, 52-64.	1.4	41
1216	Thermochemical conversion of plastic waste to fuels: a review. Environmental Chemistry Letters, 2021, 19, 123-148.	8.3	181
1217	Projecting the sorption capacity of heavy metal ions onto microplastics in global aquatic environments using artificial neural networks. Journal of Hazardous Materials, 2021, 402, 123709.	6.5	76

#	Article	IF	Citations
1218	Photocatalytic aging process of Nano-TiO2 coated polypropylene microplastics: Combining atomic force microscopy and infrared spectroscopy (AFM-IR) for nanoscale chemical characterization. Journal of Hazardous Materials, 2021, 404, 124159.	6.5	48
1219	Toxicity of polystyrene nanoplastics in dragonfly larvae: An insight on how these pollutants can affect bentonic macroinvertebrates. Science of the Total Environment, 2021, 752, 141936.	3.9	34
1220	Micro- and nanoplastic induced cellular toxicity in mammals: A review. Science of the Total Environment, 2021, 755, 142518.	3.9	202
1221	A critical review of interactions between microplastics, microalgae and aquatic ecosystem function. Water Research, 2021, 188, 116476.	5.3	195
1222	Factors (type, colour, density, and shape) determining the removal of marine plastic debris by seabirds from the South Pacific Ocean: Is there a pattern?. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 389-407.	0.9	10
1223	Conversion and removal strategies for microplastics in wastewater treatment plants and landfills. Chemical Engineering Journal, 2021, 406, 126715.	6.6	147
1224	Plastic pollution impacts on marine carbon biogeochemistry. Environmental Pollution, 2021, 268, 115598.	3.7	55
1225	Abundance and characteristics of microplastics in soils with different agricultural practices: Importance of sources with internal origin and environmental fate. Journal of Hazardous Materials, 2021, 403, 123997.	6.5	122
1226	Sponges as bioindicators for microparticulate pollutants?. Environmental Pollution, 2021, 268, 115851.	3.7	17
1227	Aquatic toxicity of chemically defined microplastics can be explained by functional additives. Journal of Hazardous Materials, 2021, 406, 124338.	6.5	79
1228	Chemotaxis-selective colonization of mangrove rhizosphere microbes on nine different microplastics. Science of the Total Environment, 2021, 752, 142223.	3.9	69
1229	It's the product not the polymer: Rethinking plastic pollution. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1490.	2.8	21
1230	Differential enrichment and physiological impacts of ingested microplastics in scleractinian corals in situ. Journal of Hazardous Materials, 2021, 404, 124205.	6.5	47
1231	Toxicity of polystyrene nanoplastics in Ctenopharyngodon idella juveniles: A genotoxic, mutagenic and cytotoxic perspective. Science of the Total Environment, 2021, 752, 141937.	3.9	55
1232	Marketing System Failure: Revisioning Laytonâ€™s Marketing System Model. Journal of Macromarketing, 2021, 41, 411-426.	1.7	8
1233	Occurrence of microplastic particles in the most popular Iranian bottled mineral water brands and an assessment of human exposure. Journal of Water Process Engineering, 2021, 39, 101708.	2.6	71
1234	All that glitters is litter? Ecological impacts of conventional versus biodegradable glitter in a freshwater habitat. Journal of Hazardous Materials, 2021, 402, 124070.	6.5	31
1235	Plastic waste from marine environment: Demonstration of possible routes for recycling by different manufacturing technologies. Waste Management, 2021, 119, 101-110.	3.7	65

#	Article	IF	Citations
1236	The diverse metal composition of plastic items and its implications. Science of the Total Environment, 2021, 764, 142870.	3.9	22
1237	The impacts of COVID-19 pandemic on marine litter pollution along the Kenyan Coast: A synthesis after 100Âdays following the first reported case in Kenya. Marine Pollution Bulletin, 2021, 162, 111840.	2.3	141
1238	The dynamics of plastic pellets on sandy beaches: A new methodological approach. Marine Environmental Research, 2021, 163, 105219.	1.1	14
1239	First evaluation of microplastics in two commercial fish species from the lagoons of Bizerte and Ghar El Melh (Northern Tunisia). Regional Studies in Marine Science, 2021, 41, 101581.	0.4	13
1240	Accumulation of microcapsules derived from coated fertilizer in paddy fields. Chemosphere, 2021, 267, 129185.	4.2	90
1241	Microplastic burden in Daphnia is aggravated by elevated temperatures. Zoology, 2021, 144, 125881.	0.6	18
1242	From source to sink: Review and prospects of microplastics in wetland ecosystems. Science of the Total Environment, 2021, 758, 143633.	3.9	77
1243	Microplastic pollution in tropical estuary gastropods: Abundance, distribution and potential sources of Klang River estuary, Malaysia. Marine Pollution Bulletin, 2021, 162, 111866.	2.3	35
1244	Environmental prevalence, fate, impacts, and mitigation of microplasticsâ€"a critical review on present understanding and future research scope. Environmental Science and Pollution Research, 2021, 28, 4951-4974.	2.7	35
1245	Using citizen science to evaluate extended producer responsibility policy to reduce marine plastic debris shows no reduction in pollution levels. Marine Policy, 2021, 123, 104319.	1.5	29
1246	Green synthesis of Fe-ZnO nanoparticles with improved sunlight photocatalytic performance for polyethylene film deterioration and bacterial inactivation. Materials Science in Semiconductor Processing, 2021, 123, 105574.	1.9	84
1247	The combined exposure of microplastics and toxic contaminants in the floodplains of north India: A review. Journal of Environmental Management, 2021, 279, 111557.	3.8	17
1248	Biosecurity implications of drifting marine plastic debris: Current knowledge and future research. Marine Pollution Bulletin, 2021, 162, 111835.	2.3	30
1249	The distribution of microplastics in the surface layer of the Atlantic Ocean from the subtropics to the equator according to visual analysis. Marine Pollution Bulletin, 2021, 162, 111836.	2.3	29
1250	Consistent exposure to microplastics induces age-specific physiological and biochemical changes in a marine mysid. Marine Pollution Bulletin, 2021, 162, 111850.	2.3	19
1251	Microplastic contamination in surface waters of the KÃ¼Ã§Ã¼kÃ§ekmece Lagoon, Marmara Sea (Turkey): Sources and areal distribution. Environmental Pollution, 2021, 268, 115801.	3.7	28
1252	Investigation of the bacterial modified waste PET aggregate VIA Bacillus safensis to enhance the strength properties of mortars. Construction and Building Materials, 2021, 270, 121828.	3.2	5
1253	PET nanoplastics interactions with water contaminants and their impact on human cells. Environmental Pollution, 2021, 271, 116262.	3.7	33

#	Article	IF	Citations
1254	Latest developments in wastewater treatment and biopolymer production by microalgae. Journal of Environmental Chemical Engineering, 2021, 9, 104926.	3.3	72
1255	Microplastic footprints in the Qinghai-Tibet Plateau and their implications to the Yangtze River Basin. Journal of Hazardous Materials, 2021, 407, 124776.	6.5	49
1256	Pollution by anthropogenic microfibers in North-West Mediterranean Sea and efficiency of microfiber removal by a wastewater treatment plant. Science of the Total Environment, 2021, 758, 144195.	3.9	32
1257	Plastic pollution is killing marine megafauna, but how do we prioritize policies to reduce mortality?. Conservation Letters, 2021, 14, e12781.	2.8	55
1258	Global challenges in microplastics: From fundamental understanding to advanced degradations toward sustainable strategies. Chemosphere, 2021, 267, 129275.	4.2	38
1259	Toxicity and biomarkers of micro-plastic in aquatic environment: a review. Biomarkers, 2021, 26, 13-25.	0.9	27
1260	Does microplastic ingestion dramatically decrease the biomass of protozoa grazers? A case study on the marine ciliate Uronema marinum. Chemosphere, 2021, 267, 129308.	4.2	24
1261	Chemicals sorbed to environmental microplastics are toxic to early life stages of aquatic organisms. Ecotoxicology and Environmental Safety, 2021, 208, 111665.	2.9	54
1262	Effect of polystyrene microplastics and temperature on growth, intestinal histology and immune responses of brine shrimp Artemia franciscana. Journal of Oceanology and Limnology, 2021, 39, 979-988.	0.6	17
1263	Calcium carbonate deposits and microbial assemblages on microplastics in oligotrophic freshwaters. Chemosphere, 2021, 266, 128942.	4.2	10
1264	An AFM-IR study on surface properties of nano-TiO2 coated polyethylene (PE) thin film as influenced by photocatalytic aging process. Science of the Total Environment, 2021, 757, 143900.	3.9	24
1265	Marine mussel-based biomarkers as risk indicators to assess oceanic region-specific microplastics impact potential. Ecological Indicators, 2021, 120, 106915.	2.6	12
1266	Global patterns for the spatial distribution of floating microfibers: Arctic Ocean as a potential accumulation zone. Journal of Hazardous Materials, 2021, 403, 123796.	6.5	54
1267	Pelagic microplastics in surface water of the Eastern Indian Ocean during monsoon transition period: Abundance, distribution, and characteristics. Science of the Total Environment, 2021, 755, 142629.	3.9	61
1268	Gathering at the top? Environmental controls of microplastic uptake and biomagnification in freshwater food webs. Environmental Pollution, 2021, 268, 115750.	3.7	75
1269	Overview of global status of plastic presence in marine vertebrates. Global Change Biology, 2021, 27, 728-737.	4.2	64
1270	Biomimetic soy proteinâ€based exteriorâ€use films with excellent UV â€blocking performance from catechol derivative Acacia mangium tannin. Journal of Applied Polymer Science, 2021, 138, 50185.	1.3	4
1271	Microbial carrying capacity and carbon biomass of plastic marine debris. ISME Journal, 2021, 15, 67-77.	4.4	54

#	Article	IF	Citations
1272	Microplastic leachates induce speciesâ€specific trait strengthening in intertidal mussels. Ecological Applications, 2021, 31, e02222.	1.8	23
1273	An overview of the internalization and effects of microplastics and nanoplastics as pollutants of emerging concern in bivalves. Science of the Total Environment, 2021, 753, 142024.	3.9	103
1274	Opportunistically collected data from aerial surveys reveal spatio-temporal distribution patterns of marine debris in German waters. Environmental Science and Pollution Research, 2021, 28, 2893-2903.	2.7	11
1275	Application of hotâ€stage microscopy direct analysis in real time mass spectrometry (HDM) to the analysis of polymers. Rapid Communications in Mass Spectrometry, 2021, 35, e8522.	0.7	5
1276	Existence of microplastics in soil and groundwater in Jiaodong Peninsula. E3S Web of Conferences, 2021, 251, 02045.	0.2	5
1277	Fabrication of polyethylene terephthalate (PET) nanoparticles with fluorescent tracers for studies in mammalian cells. Nanoscale Advances, 2021, 3, 339-346.	2.2	18
1278	Plastic in the Aquatic Environment: Interactions with Microorganisms. Handbook of Environmental Chemistry, 2021, , 197-254.	0.2	4
1279	Microplastic Pollution in Water. Environmental Chemistry for A Sustainable World, 2021, , 1-44.	0.3	0
1280	Microplastics in Mediterranean Coastal Countries: A Recent Overview. Journal of Marine Science and Engineering, 2021, 9, 98.	1.2	23
1281	Industrial water conservation by water footprint and sustainable development goals: a review. Environment, Development and Sustainability, 2021, 23, 12661-12709.	2.7	21
1282	The Iron Age in the Plastic Age: Anthropocene signatures at Castell Henllys. Antiquity, 2021, 95, 198-214.	0.5	11
1283	The Plastic Waste Menace and Approaches to Its Management Through Biodegradation. Advances in Environmental Engineering and Green Technologies Book Series, 2021, , 218-235.	0.3	1
1284	Water and Its Management: Dependence, Linkages and Challenges. , 2021, , 41-85.		1
1285	AOPs enhance the migration of polystyrene nanoparticles in saturated quartz sand. Environmental Sciences: Processes and Impacts, 2021, 23, 1509-1515.	1.7	4
1286	Environmental fate and impacts of microplastics in aquatic ecosystems: a review. RSC Advances, 2021, 11, 15762-15784.	1.7	84
1287	Microfiber pollution: an ongoing major environmental issue related to the sustainable development of textile and clothing industry. Environment, Development and Sustainability, 2021, 23, 11240-11256.	2.7	59
1288	Seagrasses provide a novel ecosystem service by trapping marine plastics. Scientific Reports, 2021, 11, 254.	1.6	84
1289	Recent advances in photocatalytic degradation of plastics and plastic-derived chemicals. Journal of Materials Chemistry A, 2021, 9, 13402-13441.	5.2	118

#	Article	IF	Citations
1290	Methods for microplastic sampling and analysis in the seawater and fresh water environment. Methods in Enzymology, 2021, 648, 27-45.	0.4	10
1291	Stakeholders Perception of Used Plastics. , 2021, , 1-30.		1
1292	The Plastic Cycle â€“ An Unknown Branch of the Carbon Cycle. Frontiers in Marine Science, 2021, 7, .	1.2	35
1293	Wine By-Products as Raw Materials for the Production of Biopolymers and of Natural Reinforcing Fillers: A Critical Review. Polymers, 2021, 13, 381.	2.0	37
1294	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
1295	Microplastics: A Novel Suite of Environmental Contaminants but Present for Decades. , 2021, , 1-26.		2
1297	Eco-imperial Relations: The Roots of Dispossessive and Unequal Accumulation. , 2021, , 670-693.		0
1298	Isolation and characterisation of Methylocystis spp. for poly-3-hydroxybutyrate production using waste methane feedstocks. AMB Express, 2021, 11, 6.	1.4	5
1299	A Review of Microplastics in Aquatic Sediments: Occurrence, Fate, Transport, and Ecological Impact. Current Pollution Reports, 2021, 7, 40-53.	3.1	24
1300	Anthropogenic Exposure and Its Impact on Reproductive System of Fishes. , 2021, , 323-334.		1
1301	Effect of different polybutylene succinate (PBS)/starch formulation on food tray by thermoforming process. , 2021, , 85-100.		0
1302	Current State of Microplastics Research in SAARC Countriesâ€”A Review. Sustainable Textiles, 2021, , 27-63.	0.4	4
1303	Fluorimetric high-throughput screening method for polyester hydrolase activity using polyethylene terephthalate nanoparticles. Methods in Enzymology, 2021, 648, 253-270.	0.4	18
1304	The fate of plastic in the ocean environment â€“ a minireview. Environmental Sciences: Processes and Impacts, 2021, 23, 198-212.	1.7	120
1305	Investigations: Environmental Pollution Dumping. , 2021, , 548-553.		0
1306	Distribution and Impact of Microplastics in the Aquatic Systems: A Review of Ecotoxicological Effects on Biota. Sustainable Textiles, 2021, , 65-104.	0.4	8
1307	Upcycling of post-consumer polyolefin plastics to covalent adaptable networks via in situ continuous extrusion cross-linking. Green Chemistry, 2021, 23, 2931-2937.	4.6	39
1308	Micro- and nanoplastic transfer in freezing saltwater: implications for their fate in polar waters. Environmental Sciences: Processes and Impacts, 2021, 23, 1759-1770.	1.7	14

#	Article	IF	Citations
1309	Mixing and unmixing induced by active camphor particles. Physical Review Fluids, 2021, 6, .	1.0	8
1310	Plastics and Oceans: A Socio-ecological Perspective. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1-11.	0.0	0
1311	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
1312	Microplastic Pollution in Marine Environment: Occurrence, Fate, and Effects (With a Specific Focus) Tj ETQq1 1 0.784314 rgBT /Overl	0.4	2
1313	An Overview on Feasible Production of Bioplastic Polyhydroxyalkanoate (PHA) in Transgenic Plants. , 2021, , 555-579.		4
1314	Synthetic and Semi-Synthetic Microplastic Ingestion by Mesopelagic Fishes From Tristan da Cunha and St Helena, South Atlantic. Frontiers in Marine Science, 2021, 8, .	1.2	12
1315	Microplastic abundance, distribution, and composition in the surface water and sediments of the Yangtze River along Chongqing City, China. Journal of Soils and Sediments, 2021, 21, 1840-1851.	1.5	33
1316	Need for a Collaborative Natural Resource Management Strategy for the Marine Environmentâ€"The Case of Plastics in the Mediterranean. , 0, , .		0
1317	Experimental Approaches for Characterizing the Endocrine-Disrupting Effects of Environmental Chemicals in Fish. Frontiers in Endocrinology, 2020, 11, 619361.	1.5	28
1318	Laboratory model for plastic fragmentation in the turbulent ocean. Physical Review Fluids, 2021, 6, .	1.0	18
1319	Plastic ingestion by marine fish is widespread and increasing. Global Change Biology, 2021, 27, 2188-2199.	4.2	135
1320	Microplastic pollution on island beaches, Oahu, Hawai`i. PLoS ONE, 2021, 16, e0247224.	1.1	23
1321	Microplastics in the Marine Environment: Sources, Fates, Impacts and Microbial Degradation. Toxics, 2021, 9, 41.	1.6	66
1322	Microplastic Mass Concentrations and Distribution in German Bight Waters by Pyrolysisâ€"Gas Chromatographyâ€"Mass Spectrometry/Thermochemolysis Reveal Potential Impact of Marine Coatings: Do Ships Leave Skid Marks?. Environmental Science & Technology, 2021, 55, 2285-2295.	4.6	77
1323	Microfibers from synthetic textiles as a major source of microplastics in the environment: A review. Textile Reseach Journal, 2021, 91, 2136-2156.	1.1	99
1324	Microplastics in Marine and Estuarine Species From the Coast of Portugal. Frontiers in Environmental Science, 2021, 9, .	1.5	28
1325	A review of microplastic distribution in sediment profiles. Marine Pollution Bulletin, 2021, 163, 111973.	2.3	87
1326	Amino-nanopolystyrene exposures of oyster (Crassostrea gigas) embryos induced no apparent intergenerational effects. Nanotoxicology, 2021, 15, 477-493.	1.6	8

#	Article	IF	Citations
1328	Detection and removal of microplastics in wastewater: evolution and impact. Environmental Science and Pollution Research, 2021, 28, 16925-16947.	2.7	123
1329	Marine Litter Windrows: A Strategic Target to Understand and Manage the Ocean Plastic Pollution. Frontiers in Marine Science, 2021, 8, .	1.2	31
1330	Assessment of potential ecological risk of microplastics in the coastal sediments of India: A meta-analysis. Marine Pollution Bulletin, 2021, 163, 111969.	2.3	159
1331	The Identification of Spherical Engineered Microplastics and Microalgae by Micro-hyperspectral Imaging. Bulletin of Environmental Contamination and Toxicology, 2021, 107, 764-769.	1.3	12
1332	Transport of floating litter within Manila Bay, Philippines. Marine Pollution Bulletin, 2021, 163, 111944.	2.3	6
1333	Environmental Fate Modeling of Nanoplastics in a Salinity Gradient Using a Lab-on-a-Chip: Where Does the Nanoscale Fraction of Plastic Debris Accumulate?. Environmental Science & Technology, 2021, 55, 3001-3008.	4.6	24
1334	Plastic pollution: A focus on freshwater biodiversity. Ambio, 2021, 50, 1313-1324.	2.8	64
1335	Microplastic pollution in seawater and marine organisms across the Tropical Eastern Pacific and GalÃ¡pagos. Scientific Reports, 2021, 11, 6424.	1.6	118
1336	PlÃ¡sticos no ambiente marinho frio: uma revisÃ£o sobre o potencial de biodegradaÃ§Ã£o microbiana. Research, Society and Development, 2021, 10, e49310313642.	0.0	0
1337	Fish out, plastic in: Global pattern of plastics in commercial fishmeal. Aquaculture, 2021, 534, 736316.	1.7	40
1338	Automatic detection of seafloor marine litter using towed camera images and deep learning. Marine Pollution Bulletin, 2021, 164, 111974.	2.3	38
1339	Polymer Identification and Specific Analysis (PISA) of Microplastic Total Mass in Sediments of the Protected Marine Area of the Meloria Shoals. Polymers, 2021, 13, 796.	2.0	17
1340	Toward Large-Scale Autonomous Marine Pollution Monitoring. IEEE Internet of Things Magazine, 2021, 4, 40-45.	2.0	12
1341	Recent Developments in Understanding Biocharâ€™s Physicalâ€“Chemistry. Agronomy, 2021, 11, 615.	1.3	37
1342	A temporal record of microplastic pollution in Mediterranean seagrass soils. Environmental Pollution, 2021, 273, 116451.	3.7	74
1344	Microplastics and the functional traits of fishes: A global metaâ€analysis. Global Change Biology, 2021, 27, 2645-2655.	4.2	63
1345	Biodegradation of polyethylene terephthalate microplastics by bacterial communities from activated sludge. Canadian Journal of Chemical Engineering, 2021, 99, S69.	0.9	17
1346	Augmentation of global marine sedimentary carbon storage in the age of plastic. Limnology and Oceanography Letters, 2021, 6, 113-118.	1.6	13

#	Article	IF	Citations
1347	Quantitative and qualitative determination of microplastics in oyster, seawater and sediment from the coastal areas in Zhuhai, China. Marine Pollution Bulletin, 2021, 164, 112000.	2.3	54
1348	Go with the flow: the role of gateway andÂstraits on plastic distribution. Geology Today, 2021, 37, 66-69.	0.3	3
1349	Sorption of tetrabromobisphenol A onto microplastics: Behavior, mechanisms, and the effects of sorbent and environmental factors. Ecotoxicology and Environmental Safety, 2021, 210, 111842.	2.9	49
1350	Scleractinian corals incorporate microplastic particles: identification from a laboratory study. Environmental Science and Pollution Research, 2021, 28, 37882-37893.	2.7	30
1351	Cohabiting with litter: Fish and benthic assemblages in coastal habitats of a heavily urbanized area. Marine Pollution Bulletin, 2021, 164, 112077.	2.3	10
1352	Newly Emerging Airborne Pollutants: Current Knowledge of Health Impact of Micro and Nanoplastics. International Journal of Environmental Research and Public Health, 2021, 18, 2997.	1.2	61
1353	New Insights into the Microplastic Enrichment in the Blue Carbon Ecosystem: Evidence from Seagrass Meadows and Mangrove Forests in Coastal South China Sea. Environmental Science & Technology, 2021, 55, 4804-4812.	4.6	61
1354	Microplastics Contamination versus Inorganic Particles: Effects on the Dynamics of Marine Dissolved Organic Matter. Environments - MDPI, 2021, 8, 21.	1.5	7
1355	Analysis of small microplastics in coastal surface water samples of the subtropical island of Okinawa, Japan. Science of the Total Environment, 2021, 760, 143927.	3.9	41
1356	Foamed materials for oil-water separation. Chemical Engineering Journal Advances, 2021, 5, 100076.	2.4	50
1357	A novel approach based on multiple fish species and water column compartments in assessing vertical microlitter distribution and composition. Environmental Pollution, 2021, 272, 116419.	3.7	17
1358	Anthropogenic marine litter on the north coast of Cyprus: Insights into marine pollution in the eastern Mediterranean. Marine Pollution Bulletin, 2021, 165, 112167.	2.3	16
1359	The mysterious ecosystem at the oceanâ€™s surface. PLoS Biology, 2021, 19, e3001046.	2.6	20
1360	Zooplankton grazing of microplastic can accelerate global loss of ocean oxygen. Nature Communications, 2021, 12, 2358.	5.8	83
1361	Micro- and macro-plastics in beach sediment of the Algerian western coast: First data on distribution, characterization, and source. Marine Pollution Bulletin, 2021, 165, 112168.	2.3	17
1362	Research progress on distribution, sources, identification, toxicity, and biodegradation of microplastics in the ocean, freshwater, and soil environment. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	3.3	74
1363	Effects of Microplastic Fibers on Soil Aggregation and Enzyme Activities Are Organic Matter Dependent. Frontiers in Environmental Science, 2021, 9, .	1.5	65
1364	Adverse biological effects of ingested polystyrene microplastics using Drosophila melanogaster as a model in vivo organism. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2021, 84, 649-660.	1.1	35

#	Article	IF	Citations
1365	Microplastic Pollution and Human Body: Cause and Effect. International Journal of Polymer and Textile Engineering, 2021, 8, 6-8.	0.1	3
1366	Complete genome sequence of Photobacterium ganghwense C2.2: A new polyhydroxyalkanoate production candidate. MicrobiologyOpen, 2021, 10, e1182.	1.2	4
1367	Animal Harms and Food Production: Informing Ethical Choices. Animals, 2021, 11, 1225.	1.0	22
1368	A fish tale: a century of museum specimens reveal increasing microplastic concentrations in freshwater fish. Ecological Applications, 2021, 31, e02320.	1.8	26
1369	Ecotoxicity of Microplastic Pollutants to Marine Organisms: a Systematic Review. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	35
1370	Microplastics and microfibers in surface waters of Monterey Bay National Marine Sanctuary, California. Marine Pollution Bulletin, 2021, 165, 112148.	2.3	16
1371	Placing nanoplastics in the context of global plastic pollution. Nature Nanotechnology, 2021, 16, 491-500.	15.6	252
1372	Coastal Garbage Patches: Fronts Accumulate Plastic Films at Ashmore Reef Marine Park (Pulau Pasir), Australia. Frontiers in Marine Science, 2021, 8, .	1.2	8
1373	Water Temperature and Microplastic Concentration Influenced Microplastic Ingestion and Retention Rates in Sea Cucumber (Holothuria cinerascens Brandt, 1835). Ocean Science Journal, 2021, 56, 141-155.	0.6	7
1374	Microplastics in the Aquatic Environment: Occurrence, Persistence, Analysis, and Human Exposure. Water (Switzerland), 2021, 13, 973.	1.2	56
1375	Modeling the Exposure of the Macaronesia Islands (NE Atlantic) to Marine Plastic Pollution. Frontiers in Marine Science, 2021, 8, .	1.2	25
1376	Development of a method for estimating product-specific leakage propensity and its inclusion into the life cycle management of plastic products. International Journal of Life Cycle Assessment, 2021, 26, 1431-1438.	2.2	8
1377	Research Progress in Transfer, Accumulation and Effects of Microplastics in the Oceans. Journal of Marine Science and Engineering, 2021, 9, 433.	1.2	15
1378	Assessing diversity, abundance, and mass of microplastics (~â€‰1â€“300â€‰Î¼m) in aquatic systems. Limnology and Oceanography: Methods, 2021, 19, 369-384.	1.0	4
1379	Solid-Liquid-Liquid Microextraction (Î¼SLLE) Method for Determining Persistent Pollutants in Microplastics. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	3
1380	Microplastic changes the sinking and resuspension rates of marine mussel biodeposits. Marine Pollution Bulletin, 2021, 165, 112165.	2.3	14
1381	Constraining the atmospheric limb of the plastic cycle. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	232
1382	Preferential grazing and repackaging of small polyethylene microplastic particles (â‰ 5ÂÎ¼m) by the ciliate Sterkiella sp.. Marine Environmental Research, 2021, 166, 105260.	1.1	8

#	Article	IF	Citations
1384	Probing the nanoplastics adsorbed by microalgae in water using polarized light scattering. Optik, 2021, 231, 166407.	1.4	6
1385	Ecotoxico Linking of Phthalates and Flame-Retardant Combustion Byproducts with Coral Solar Bleaching. Environmental Science & Technology, 2021, 55, 5970-5983.	4.6	14
1386	Are controlled release scientists doing enough for our environment?. Journal of Controlled Release, 2021, 332, 620-622.	4.8	3
1387	Mesh selectivity of neuston nets for microplastics. Marine Pollution Bulletin, 2021, 165, 112111.	2.3	41
1388	<scp>Waterâ€repellent</scp> films from corn protein and tomato cutin. Journal of Applied Polymer Science, 2021, 138, 50831.	1.3	7
1389	Strategies, actions, and policies by Taiwanâ€™s ENGOs, media, and government to reduce plastic use and marine plastic pollution. Marine Policy, 2021, 126, 104391.	1.5	23
1390	Nanoplastics are neither microplastics nor engineered nanoparticles. Nature Nanotechnology, 2021, 16, 501-507.	15.6	377
1391	Microplastic ingestion in jellyfish Pelagia noctiluca (Forsskal, 1775) in the North Atlantic Ocean. Marine Pollution Bulletin, 2021, 166, 112266.	2.3	18
1392	Marine Plastic Pollution as a Common Concern of Humankind. , 2021, , 153-198.		1
1394	Transgenerational effects on development following microplastic exposure in Drosophila melanogaster. PeerJ, 2021, 9, e11369.	0.9	20
1395	Field-Portable Microplastic Sensing in Aqueous Environments: A Perspective on Emerging Techniques. Sensors, 2021, 21, 3532.	2.1	13
1396	Photoinduced Force Microscopy as an Efficient Method Towards the Detection of Nanoplastics. Chemistry Methods, 2021, 1, 205-209.	1.8	11
1397	Contemporary Archaeology as a Framework for Investigating the Impact of Disposable Plastic Bags on Environmental Pollution in GalÃ¡pagos. Journal of Contemporary Archaeology, 2021, 7, .	0.2	2
1398	Massive occurrence of benthic plastic debris at the abyssal seafloor beneath the Kuroshio Extension, the North West Pacific. Marine Pollution Bulletin, 2021, 166, 112188.	2.3	17
1399	An ecotoxicological approach to microplastics on terrestrial and aquatic organisms: A systematic review in assessment, monitoring and biological impact. Environmental Toxicology and Pharmacology, 2021, 84, 103615.	2.0	44
1400	Engineering Microbes to Bio-Upcycle Polyethylene Terephthalate. Frontiers in Bioengineering and Biotechnology, 2021, 9, 656465.	2.0	40
1401	Mapping marine debris encountered by albatrosses tracked over oceanic waters. Scientific Reports, 2021, 11, 10944.	1.6	7
1402	Wood-inspired strategy to toughen transparent cellulose nanofibril films. Carbohydrate Polymers, 2021, 259, 117759.	5.1	11

#	Article	IF	Citations
1403	Anthropogenic pollution in deep-marine sedimentary systemsâ€"A geological perspective on the plastic problem. Geology, 2021, 49, 607-608.	2.0	19
1404	Anthropogenic risk creation: understanding and addressing the challenges via a conceptual model. Journal of Risk Research, 0, , 1-18.	1.4	0
1405	Enabling a large-scale assessment of litter along Saudi Arabian red sea shores by combining drones and machine learning. Environmental Pollution, 2021, 277, 116730.	3.7	42
1406	Demographic Assessment of Mono(2â€ethylhexyl) Phthalate (MEHP) and Monoethyl Phthalate (MEP) Concentrations in Common Bottlenose Dolphins (Tursiops truncatus) From Sarasota Bay, FL, USA. GeoHealth, 2021, 5, e2020GH000348.	1.9	11
1407	Distribution, characteristics and short-term variability of microplastics in beach sediment of Fernando de Noronha Archipelago, Brazil. Marine Pollution Bulletin, 2021, 166, 112212.	2.3	23
1408	Plastic debris ingestion by seabirds on the Korean Peninsula. Marine Pollution Bulletin, 2021, 166, 112240.	2.3	18
1409	Towards the Spectral Mapping of Plastic Debris on Beaches. Remote Sensing, 2021, 13, 1850.	1.8	11
1410	Plastic as a Vector of Dispersion for Marine Species With Invasive Potential. A Review. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	48
1411	Ingestion of anthropogenic debris by marine fishes around New Zealand. New Zealand Journal of Marine and Freshwater Research, 0, , 1-11.	0.8	1
1412	Changes in the Development and Reproductive Output of Nitokra lacustris pacifica (Crustacea:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Microbeads. Journal of Polymers and the Environment, 2021, 29, 4060-4072.	2.4	5
1413	Bridging Three Gaps in Biodegradable Plastics: Misconceptions and Truths About Biodegradation. Frontiers in Chemistry, 2021, 9, 671750.	1.8	35
1414	Bioplastics from Winemaking By-products in the Buildings Sector: A Feasibility Study on the Main Opportunities, Barriers and Challenges. Circular Economy and Sustainability, 2021, 1, 1313-1333.	3.3	4
1415	Toxicity of polystyrene nanoplastics and zinc oxide to mice. Chemosphere, 2021, 271, 129476.	4.2	57
1416	Rivers and Wastewater-Treatment Plants as Microplastic Pathways to Eastern Mediterranean Waters: First Records for the Aegean Sea, Greece. Sustainability, 2021, 13, 5328.	1.6	13
1417	Nutrition and Water. Clinics in Dermatology, 2021, 39, 757-761.	0.8	3
1418	Spatial and seasonal variations in biofilm formation on microplastics in coastal waters. Science of the Total Environment, 2021, 770, 145303.	3.9	71
1419	Combined effects of polyethylene and organic contaminant on zebrafish (Danio rerio): Accumulation of 9-Nitroanthracene, biomarkers and intestinal microbiota. Environmental Pollution, 2021, 277, 116767.	3.7	62
1420	The chemistry of chemical recycling of solid plastic waste via pyrolysis and gasification: State-of-the-art, challenges, and future directions. Progress in Energy and Combustion Science, 2021, 84, 100901.	15.8	297

#	Article	IF	Citations
1421	Microplastics in the Mediterranean Sea: Sources, Pollution Intensity, Sea Health, and Regulatory Policies. Frontiers in Marine Science, 2021, 8, .	1.2	58
1422	Use of virgin/recycled polyethylene blends in rotational moulding. Journal of Polymer Engineering, 2021, 41, 509-516.	0.6	15
1423	Factors influencing the occurrence and distribution of microplastics in coastal sediments: From source to sink. Journal of Hazardous Materials, 2021, 410, 124982.	6.5	44
1424	Microplastics in sea surface waters around Scotland. Marine Pollution Bulletin, 2021, 166, 112210.	2.3	37
1425	Extended study on floating litter in Malta's coastal waters (Central Mediterranean). Marine Pollution Bulletin, 2021, 166, 112200.	2.3	1
1427	Sources, Fate, and Impact of Microplastics in Aquatic Environment. , 0, , .		3
1428	Physisorption and Chemisorption Mechanisms Influencing Micro (Nano) Plastics-Organic Chemical Contaminants Interactions: A Review. Frontiers in Environmental Science, 2021, 9, .	1.5	91
1429	Modelling the distribution of microplastics released by wastewater treatment plants in Ria de Vigo (NW Iberian Peninsula). Marine Pollution Bulletin, 2021, 166, 112227.	2.3	19
1430	Occurrence of microplastics and heavy metals accumulation in native oysters Crassostrea Gasar in the ParanaguÃ¡ estuarine system, Brazil. Marine Pollution Bulletin, 2021, 166, 112225.	2.3	52
1431	Towards understanding the effects of oceanic plastic pollution on population growth for a South American fur seal (Arctocephalus australis australis) colony in Chile. Environmental Pollution, 2021, 279, 116881.	3.7	10
1432	Floating macrolitter leaked from Europe into the ocean. Nature Sustainability, 2021, 4, 474-483.	11.5	137
1433	Remote, but Not Isolatedâ€"Microplastics in the Sub-surface Waters of the Canadian Arctic Archipelago. Frontiers in Marine Science, 2021, 8, .	1.2	5
1434	Conversion of Pine Sawdust into Polyhydroxyalkanoate Bioplastics. ACS Sustainable Chemistry and Engineering, 2021, 9, 8383-8392.	3.2	11
1435	Baseline Study on Microplastics in Indian Rivers under Different Anthropogenic Influences. Water (Switzerland), 2021, 13, 1648.	1.2	45
1436	A percepÃ§Ã£o pÃºblica como instrumento de educaÃ§Ã£o ambiental: Um estudo sobre microplÃ¡sticos. Research, Society and Development, 2021, 10, e45210715411.	0.0	2
1437	Global simulations of marine plastic transport show plastic trapping in coastal zones. Environmental Research Letters, 2021, 16, 064053.	2.2	91
1438	Temporal trends of marine litter in a tropical recreational beach: A case study of Mkomani beach, Kenya. Marine Pollution Bulletin, 2021, 167, 112273.	2.3	26
1439	First record of plastic debris in the stomach of a hooded seal pup from the Greenland Sea. Marine Pollution Bulletin, 2021, 167, 112350.	2.3	13

#	Article	IF	Citations
1440	Evolving Perspectives of Stewardship in the Seafood Industry. Frontiers in Marine Science, 2021, 8, .	1.2	15
1441	Unravelling the pathway of macro and micro debris in the beach of uninhabited Semak Daun reef platform, Kepulauan Seribu. IOP Conference Series: Earth and Environmental Science, 2021, 789, 012047.	0.2	1
1442	Future directions of environmental chemistry. Pure and Applied Chemistry, 2021, 93, 1403-1409.	0.9	1
1443	Expanding protected areas to encompass the conservation of the endangered common dolphin (Delphinus delphis) in the Alboran Sea. Marine Environmental Research, 2021, 168, 105305.	1.1	4
1444	Risk posed by microplastics: Scientific evidence and public perception. Current Opinion in Green and Sustainable Chemistry, 2021, 29, 100467.	3.2	35
1445	An inshoreâ€“offshore sorting system revealed from global classification of ocean litter. Nature Sustainability, 2021, 4, 484-493.	11.5	178
1446	Microplastics particles in seafloor sediments along the Arabian Sea and the Andaman Sea continental shelves: First insight on the occurrence, identification, and characterization. Marine Pollution Bulletin, 2021, 167, 112311.	2.3	27
1447	Global assessment of innovative solutions to tackle marine litter. Nature Sustainability, 2021, 4, 516-524.	11.5	41
1448	Dynamics of semi- and neutrally-buoyant particles in thermally stratified turbulent channel flow. International Journal of Multiphase Flow, 2021, 139, 103595.	1.6	1
1449	Models for Predicting Global Plastic Waste. Aresty Rutgers Undergraduate Research Journal, 2021, 1, .	0.0	0
1450	A review on occurrence, characteristics, toxicology and treatment of nanoplastic waste in the environment. Environmental Science and Pollution Research, 2021, 28, 43258-43273.	2.7	30
1451	A critical view on the technology readiness level (TRL) of microbial plastics biodegradation. World Journal of Microbiology and Biotechnology, 2021, 37, 116.	1.7	16
1452	Subsurface dynamics of buoyant microplastics subject to algal biofouling. Limnology and Oceanography, 2021, 66, 3287-3299.	1.6	17
1453	Process optimization, metabolic engineering interventions and commercialization of microbial polyhydroxyalkanoates production â€“ A stateâ€ofâ€the art review. Biotechnology Journal, 2021, 16, e2100136.	1.8	9
1454	Abatement of hazardous materials and biomass waste via pyrolysis and co-pyrolysis for environmental sustainability and circular economy. Environmental Pollution, 2021, 278, 116836.	3.7	64
1455	The impact of microplastic-microbe interactions on animal health and biogeochemical cycles: A mini-review. Science of the Total Environment, 2021, 773, 145697.	3.9	91
1456	Assessment of plastic pollution in the Bohai Sea: Abundance, distribution, morphological characteristics and chemical components. Environmental Pollution, 2021, 278, 116874.	3.7	27
1457	Relative Abundance of Floating Plastic Debris and Neuston in the Eastern North Pacific Ocean. Frontiers in Marine Science, 2021, 8, .	1.2	17

#	Article	IF	Citations
1458	Functional interplay between plastic polymers and microbes: a comprehensive review. Biodegradation, 2021, 32, 487-510.	1.5	27
1459	A Comparison of Microplastic in Fish From Australia and Fiji. Frontiers in Marine Science, 2021, 8, .	1.2	39
1460	Stem cells of aquatic invertebrates as an advanced tool for assessing ecotoxicological impacts. Science of the Total Environment, 2021, 771, 144565.	3.9	24
1461	Bypass of Booming Inputs of Urban and Sludge-Derived Microplastics in a Large Nordic Lake. Environmental Science & Technology, 2021, 55, 7949-7958.	4.6	29
1462	Polystyrene particles combined with di-butyl phthalate cause significant decrease in photosynthesis and red lettuce quality. Environmental Pollution, 2021, 278, 116871.	3.7	58
1463	Mechanisms of parental co-exposure to polystyrene nanoplastics and microcystin-LR aggravated hatching inhibition of zebrafish offspring. Science of the Total Environment, 2021, 774, 145766.	3.9	25
1464	Assessing plastic size distribution and quantity on a remote island in the South Pacific. Marine Pollution Bulletin, 2021, 167, 112366.	2.3	21
1465	Addressing the challenges associated with plastic waste disposal and management in developing countries. Current Opinion in Chemical Engineering, 2021, 32, 100682.	3.8	49
1466	Bacterial community profiling of floating plastics from South Mediterranean sites: First evidence of effects on mussels as possible vehicles of transmission. Journal of Hazardous Materials, 2021, 411, 125079.	6.5	13
1467	Degradation of conventional plastic wastes in the environment: A review on current status of knowledge and future perspectives of disposal. Science of the Total Environment, 2021, 771, 144719.	3.9	258
1468	Microplastics on Barra beach sediments in Aveiro, Portugal. Marine Pollution Bulletin, 2021, 167, 112264.	2.3	24
1469	The nexus of macroplastic and microplastic research and plastic regulation policies in the Philippines marine coastal environments. Marine Pollution Bulletin, 2021, 167, 112343.	2.3	21
1470	Cross-Hemisphere Study Reveals Geographically Ubiquitous, Plastic-Specific Bacteria Emerging from the Rare and Unexplored Biosphere. MSphere, 2021, 6, e0085120.	1.3	20
1471	Adsorption and desorption behaviors of antibiotics by tire wear particles and polyethylene microplastics with or without aging processes. Science of the Total Environment, 2021, 771, 145451.	3.9	82
1472	Tracking a Coastal Wave Buoy, Lost from the Southern Coast of Jeju Island, Using Lagrangian Particle Modeling. Journal of Marine Science and Engineering, 2021, 9, 795.	1.2	3
1473	Critical review on microplastics in fecal matter: Research progress, analytical methods and future outlook. Science of the Total Environment, 2021, 778, 146395.	3.9	43
1474	Negative impacts of realistic doses of spherical and irregular microplastics emerged late during a 42Aweeks-long exposure experiment with blue mussels. Science of the Total Environment, 2021, 778, 146088.	3.9	34
1475	Highlights from a review of microplastics in marine sediments. Science of the Total Environment, 2021, 777, 146225.	3.9	45

#	Article	IF	Citations
1476	A comparative study of deep learning-based network model and conventional method to assess beach debris standing-stock. Marine Pollution Bulletin, 2021, 168, 112466.	2.3	13
1477	Ecotoxicological and physiological risks of microplastics on fish and their possible mitigation measures. Science of the Total Environment, 2021, 779, 146433.	3.9	91
1478	Microplastics in fresh and processed mussels sampled from fish shops and large retail chains in Italy. Food Control, 2021, 125, 108003.	2.8	51
1479	Does microplastic really represent a threat? A review of the atmospheric contamination sources and potential impacts. Science of the Total Environment, 2021, 777, 146020.	3.9	56
1480	The missing ocean plastic sink: Gone with the rivers. Science, 2021, 373, 107-111.	6.0	146
1481	Prevalence of small high-density microplastics in the continental shelf and deep sea waters of East Asia. Water Research, 2021, 200, 117238.	5.3	45
1482	A One Health perspective of the impacts of microplastics on animal, human and environmental health. Science of the Total Environment, 2021, 777, 146094.	3.9	130
1483	The dynamics of microplastics and associated contaminants: Data-driven Lagrangian and Eulerian modelling approaches in the Mediterranean Sea. Science of the Total Environment, 2021, 777, 145944.	3.9	18
1484	Oceanic long-range transport of organic additives present in plastic products: an overview. Environmental Sciences Europe, 2021, 33, .	2.6	43
1485	<scp>Inâ€depth</scp> material characterization of polyhydroxybutyrate from a forest biorefinery. Journal of Applied Polymer Science, 2021, 138, 51375.	1.3	6
1486	Experimental evidence of plastic particles transfer at the water-air interface through bubble bursting. Environmental Pollution, 2021, 280, 116949.	3.7	29
1487	Bioremediation of MP-polluted Waters Using Bacteria Bacillus licheniformis, Lysinibacillus massiliensis, and Mixed Culture of Bacillus sp. and Delftia acidovorans. Chemical and Biochemical Engineering Quarterly, 2021, 35, 205-224.	0.5	12
1488	Transcriptional response in the whiteleg shrimp (Penaeus vannamei) to short-term microplastic exposure. Aquaculture Reports, 2021, 20, 100713.	0.7	3
1489	Enzymes, In Vivo Biocatalysis, and Metabolic Engineering for Enabling a Circular Economy and Sustainability. Chemical Reviews, 2021, 121, 10367-10451.	23.0	111
1490	Modelling the spatial and seasonal distribution, fate and transport of floating plastics in tropical coastal waters. Journal of Hazardous Materials, 2021, 414, 125502.	6.5	23
1491	Ecology of the Anthropocene signals hope for consciously managing the planetary ecosystem. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2024150118.	3.3	7
1492	Adaptation of life-history traits and trade-offs in marine medaka (Oryzias melastigma) after whole life-cycle exposure to polystyrene microplastics. Journal of Hazardous Materials, 2021, 414, 125537.	6.5	40
1493	Nanocellulose Bulk Material Prepared by Steam Treatment and Hot Press Molding: Material Processing and Machining Test. Crystals, 2021, 11, 853.	1.0	1

#	Article	IF	Citations
1494	Review on the distribution of microplastics in the oceans and its impacts: Need for modeling-based approach to investigate the transport and risk of microplastic pollution. Environmental Engineering Research, 2022, 27, 210243-0.	1.5	8
1495	Microplastics pollution in the sediments of creeks and estuaries of Kenya, western Indian Ocean. African Journal of Marine Science, 2021, 43, 337-352.	0.4	10
1496	Effects of microplastics on marine copepods. Ecotoxicology and Environmental Safety, 2021, 217, 112243.	2.9	68
1497	Steller Sea Lion (Eumetopias jubatus) at Tuleny Island, Russia in Autumn 2018: Abundance, Composition, and Entanglement. Zoological Science, 2021, 38, 311-316.	0.3	2
1498	Microbial Diversity and Activity During the Biodegradation in Seawater of Various Substitutes to Conventional Plastic Cotton Swab Sticks. Frontiers in Microbiology, 2021, 12, 604395.	1.5	28
1499	Fatigue resistance, re-usable and biodegradable sponge materials from plant protein with rapid water adsorption capacity for microplastics removal. Chemical Engineering Journal, 2021, 415, 129006.	6.6	64
1500	Microplastic contamination of the drilling bivalve Hiatella arctica in Arctic rhodolith beds. Scientific Reports, 2021, 11, 14574.	1.6	16
1501	Combined polystyrene microplastics and chlorpyrifos decrease levels of nutritional parameters in muscle of rainbow trout (Oncorhynchus mykiss). Environmental Science and Pollution Research, 2021, 28, 64908-64920.	2.7	18
1502	Seasonal microplastic variations in estuarine sediments from urban canal on the west coast of Thailand: A case study in Phuket province. Marine Pollution Bulletin, 2021, 168, 112452.	2.3	29
1503	Biodegradable Packaging Materials from Animal Processing Co-Products and Wastes: An Overview. Polymers, 2021, 13, 2561.	2.0	38
1504	Extraction of microplastic from marine sediments: A comparison between pressurized solvent extraction and density separation. Marine Pollution Bulletin, 2021, 168, 112436.	2.3	18
1505	Assessment of marine litter through remote sensing: recent approaches and future goals. Marine Pollution Bulletin, 2021, 168, 112347.	2.3	43
1506	Quantifying Floating Plastic Debris at Sea Using Vessel-Based Optical Data and Artificial Intelligence. Remote Sensing, 2021, 13, 3401.	1.8	13
1507	The seasonal distribution characteristics of microplastics on bathing beaches along the coast of Qingdao, China. Science of the Total Environment, 2021, 783, 146969.	3.9	44
1508	Abundance, interaction, ingestion, ecological concerns, and mitigation policies of microplastic pollution in riverine ecosystem: A review. Science of the Total Environment, 2021, 782, 146695.	3.9	147
1509	Heterotrophic Dinoflagellate Growth and Grazing Rates Reduced by Microplastic Ingestion. Frontiers in Marine Science, 2021, 8, .	1.2	11
1510	Spatial distribution of microplastics in the superficial sediment of a mangrove in Southeast Brazil: A comparison between fringe and basin. Science of the Total Environment, 2021, 784, 146963.	3.9	32
1511	Fluorescent Tagging of Polymer Particles with PBN for the Detection of Microplastics in Personal Care Goods. Daehan Hwan'gyeong Gonghag Hoeji, 2021, 43, 567-577.	0.4	1

#	Article	IF	Citations
1512	Benthic fauna contribute to microplastic sequestration in coastal sediments. Journal of Hazardous Materials, 2021, 415, 125583.	6.5	32
1513	Microplastics Investigation Using Zooplankton Samples from the Coasts of Cyprus (Eastern) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.2	13
1514	Noxic effects of polystyrene microparticles on murine macrophages and epithelial cells. Scientific Reports, 2021, 11, 15702.	1.6	33
1515	Estuaries as Filters for Riverine Microplastics: Simulations in a Large, Coastal-Plain Estuary. Frontiers in Marine Science, 2021, 8, .	1.2	15
1516	Bioremediation of polyvinyl chloride (PVC) films by marine bacteria. Marine Pollution Bulletin, 2021, 169, 112566.	2.3	36
1517	Chronic feeding exposure to virgin and spiked microplastics disrupts essential biological functions in teleost fish. Journal of Hazardous Materials, 2021, 415, 125626.	6.5	45
1518	Microplastics in polar regions: An early warning to the world's pristine ecosystem. Science of the Total Environment, 2021, 784, 147149.	3.9	88
1519	Biofouling impacts on polyethylene density and sinking in coastal waters: A macro/micro tipping point?. Water Research, 2021, 201, 117289.	5.3	70
1520	Conversion of Marine Litter from Venice Lagoon into Marine Fuels via Thermochemical Route: The Overview of Products, Their Yield, Quality and Environmental Impact. Sustainability, 2021, 13, 9481.	1.6	6
1521	Microplastics in marine biota: A review. Marine Pollution Bulletin, 2021, 169, 112540.	2.3	159
1522	Sorption and desorption kinetics of PFOS to pristine microplastic. Environmental Science and Pollution Research, 2022, 29, 4497-4507.	2.7	23
1523	Identifying hot-spots for microplastic contamination in agricultural soilsâ€"a spatial modelling approach for Germany. Environmental Research Letters, 2021, 16, 104041.	2.2	22
1524	Characterization of plastic debris from surface waters of the eastern Arabian Seaâ€"Indian Ocean. Marine Pollution Bulletin, 2021, 169, 112468.	2.3	14
1525	Understanding the fate and control of road dust-associated microplastics in stormwater. Chemical Engineering Research and Design, 2021, 152, 47-57.	2.7	50
1526	Reusing plastic waste in the production of bricks and paving blocks: a review. European Journal of Environmental and Civil Engineering, 2022, 26, 6941-6974.	1.0	10
1527	Microplastic pollution in Southern Atlantic marine waters: Review of current trends, sources, and perspectives. Science of the Total Environment, 2021, 782, 146541.	3.9	31
1528	Microplastics formation based on degradation characteristics of beached plastic bags. Marine Pollution Bulletin, 2021, 169, 112470.	2.3	30
1529	Stop Piling on: Assessing Efforts to Reduce Single-Use Water Bottles at Allegheny College. Sustainability, 2021, 13, 8864.	1.6	6

#	Article	IF	Citations
1530	Baseline data of the presence of meso and microplastics in digestive tract of a commercially important teleost fish from the Rio de la Plata Estuary System (Southwest Atlantic Ocean). Marine and Fishery Sciences, 2022, 35, .	0.3	2
1531	Mopping Up or Turning Off the Tap? Environmental Injustice and the Ethics of Plastic Pollution. Frontiers in Marine Science, 2021, 8, .	1.2	13
1532	Data Augmentation Using Background Replacement for Automated Sorting of Littered Waste. Journal of Imaging, 2021, 7, 144.	1.7	7
1533	Boraxâ€catalyzed valorization of waste rubber and polyethylene using pyrolysis and copyrolysis reactions. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2696.	0.8	2
1534	Anthropogenic Microparticles: Coastal Distribution in the Southern Mexican Pacific Coast. Thalassas, 2021, 37, 917-926.	0.1	2
1535	Environmental pollution with antifouling paint particles: Distribution, ecotoxicology, and sustainable alternatives. Marine Pollution Bulletin, 2021, 169, 112529.	2.3	36
1536	The sub-lethal impact of plastic and tire rubber leachates on the Mediterranean mussel Mytilus galloprovincialis. Environmental Pollution, 2021, 283, 117081.	3.7	45
1537	Virgin Polystyrene Microparticles Exposure Leads to Changes in Gills DNA and Physical Condition in the Mediterranean Mussel Mytilus Galloprovincialis. Animals, 2021, 11, 2317.	1.0	14
1538	Eco-friendly magnetic biochar: An effective trap for nanoplastics of varying surface functionality and size in the aqueous environment. Chemical Engineering Journal, 2021, 418, 129405.	6.6	71
1539	Microplastics in seawater and two sides of the Taiwan Strait: Reflection of the social-economic development. Marine Pollution Bulletin, 2021, 169, 112588.	2.3	21
1540	The Indian Ocean â€˜garbage patchâ€™: Empirical evidence from floating macro-litter. Marine Pollution Bulletin, 2021, 169, 112559.	2.3	11
1541	Daily accumulation rates of marine litter on the shores of Rapa Nui (Easter Island) in the South Pacific Ocean. Marine Pollution Bulletin, 2021, 169, 112535.	2.3	13
1542	Difference in polypropylene fragmentation mechanism between marine and terrestrial regions. SN Applied Sciences, 2021, 3, 1.	1.5	6
1543	Microplastic contaminants in the aqueous environment, fate, toxicity consequences, and remediation strategies. Environmental Research, 2021, 200, 111762.	3.7	110
1544	A comprehensive and fast microplastics identification based on near-infrared hyperspectral imaging (HSI-NIR) and chemometrics. Environmental Pollution, 2021, 285, 117251.	3.7	45
1546	From outbreak of COVID-19 to launching of vaccination drive: invigorating single-use plastics, mitigation strategies, and way forward. Environmental Science and Pollution Research, 2021, 28, 55811-55845.	2.7	21
1547	Occurrence, distribution, and characterization of suspended microplastics in a highly impacted estuarine wetland in Argentina. Science of the Total Environment, 2021, 785, 147141.	3.9	44
1548	Plastic dinosaurs â€“ Digging deep into the accelerating carbon lock-in of plastics. Energy Policy, 2021, 156, 112418.	4.2	41

#	Article	IF	Citations
1549	Large-scale distribution and composition of floating plastic debris in the transition region of the North Pacific. Marine Pollution Bulletin, 2021, 170, 112631.	2.3	5
1550	Multibiomarker responses to polycyclic aromatic hydrocarbons and microplastics in thumbprint emperor Lethrinus harak from a South Pacific locally managed marine area. Scientific Reports, 2021, 11, 17991.	1.6	4
1551	The inputâ€“output balance of microplastics derived from coated fertilizer in paddy fields and the timing of their discharge during the irrigation season. Chemosphere, 2021, 279, 130574.	4.2	24
1552	Raman Spectroscopy for the Analysis of Microplastics in Aquatic Systems. Applied Spectroscopy, 2021, 75, 1341-1357.	1.2	78
1553	Microplastics reduce net population growth and fecal pellet sinking rates for the marine copepod, Acartia tonsa. Environmental Pollution, 2021, 284, 117379.	3.7	21
1554	Coastal Landfills and Rising Sea Levels: A Challenge for the 21st Century. Frontiers in Marine Science, 2021, 8, .	1.2	27
1555	The relationship between climate conditions and consumption of bottled water: A potential link between climate change and plastic pollution. Ecological Economics, 2021, 187, 107090.	2.9	15
1556	Characterization of microplastics in indoor and ambient air in northern New Jersey. Environmental Research, 2022, 207, 112142.	3.7	78
1557	Effects of microplastics on the functional traits of aquatic benthic organisms: A global-scale meta-analysis. Environmental Pollution, 2021, 285, 117174.	3.7	32
1558	From maritime salvage to IMO 2020 strategy: Two actions to protect the environment. Marine Pollution Bulletin, 2021, 170, 112590.	2.3	14
1559	Spatio-seasonal microplastics distribution along a shallow coastal lagoon ecocline within a marine conservation unit. Marine Pollution Bulletin, 2021, 170, 112644.	2.3	10
1560	A novel print-and-release method to prepare microplastics using an office-grade laserjet printer; a low-cost solution for preliminary studies. Marine Pollution Bulletin, 2021, 170, 112601.	2.3	5
1561	Source- and polymer-specific size distributions of fine microplastics in surface water in an urban river. Environmental Pollution, 2021, 284, 117516.	3.7	32
1562	Macrozoobenthic fauna associated with benthic marine litter (Northern Tyrrhenian Sea, Italy) and first report of two bryozoan species in Italian waters. Regional Studies in Marine Science, 2021, 47, 101912.	0.4	4
1564	Assessment of the effect of long-term exposure to microplastics and depuration period in Sparus aurata Linnaeus, 1758: Liver and blood biomarkers. Science of the Total Environment, 2021, 786, 147479.	3.9	35
1565	Ring-Opening Polymerization of Îµ-Caprolactone Utilizing Aluminum Alkyl Complexes Bearing Dianionic Scorpionate Ligands. Organometallics, 2021, 40, 3185-3200.	1.1	6
1566	Biofilm-Developed Microplastics As Vectors of Pollutants in Aquatic Environments. Environmental Science & Technology, 2021, 55, 12780-12790.	4.6	35
1567	Toxicity mechanisms of polystyrene microplastics in marine mussels revealed by high-coverage quantitative metabolomics using chemical isotope labeling liquid chromatography mass spectrometry. Journal of Hazardous Materials, 2021, 417, 126003.	6.5	66

#	Article	IF	Citations
1568	A multilevel dataset of microplastic abundance in the worldâ€™s upper ocean and the Laurentian Great Lakes. Microplastics and Nanoplastics, 2021, 1, .	4.1	80
1569	The problem of marine litters for cultured teleost. Marine Pollution Bulletin, 2021, 170, 112679.	2.3	5
1570	Potassium carbonate (K2CO3) â€“ A cheap, non-toxic and high-density floating solution for microplastic isolation from beach sediments. Marine Pollution Bulletin, 2021, 170, 112618.	2.3	8
1571	Prevalence of microplastics and anthropogenic debris within a deep-sea food web. Marine Ecology - Progress Series, 2021, 675, 23-33.	0.9	28
1572	Laser speckle imaging in discrimination of zooplanktons from supermicroplastics. Environmental Nanotechnology, Monitoring and Management, 2021, , 100587.	1.7	2
1574	Detection of Microplastics in Water and Ice. Remote Sensing, 2021, 13, 3532.	1.8	1
1575	Highly Reinforced Poly(lactic acid) Foam Fabricated by Formation of a Heat-Resistant Oriented Stereocomplex Crystalline Structure. ACS Sustainable Chemistry and Engineering, 2021, 9, 12674-12686.	3.2	18
1576	Distribution and transport of microplastics in the upper 1150 m of the water column at the Eastern North Atlantic Subtropical Gyre, Canary Islands, Spain. Science of the Total Environment, 2021, 788, 147802.	3.9	24
1577	An extension of the theory of planned behaviour in predicting intention to reduce plastic use in the Philippines: Crossâ€sectional and experimental evidence. Asian Journal of Social Psychology, 2022, 25, 406-420.	1.1	17
1578	Modelling the distribution of fishing-related floating marine litter within the Bay of Biscay and its marine protected areas. Environmental Pollution, 2022, 292, 118216.	3.7	14
1579	Plastic pollution in water ecosystems: A bibliometric analysis from 2000 to 2020. Journal of Cleaner Production, 2021, 313, 127946.	4.6	63
1580	Distribution Patterns of Floating Microplastics in Open and Coastal Waters of the Eastern Mediterranean Sea (Ionian, Aegean, and Levantine Seas). Frontiers in Marine Science, 2021, 8, .	1.2	27
1581	Spatial characteristics of microplastics in the high-altitude area on the Tibetan Plateau. Journal of Hazardous Materials, 2021, 417, 126034.	6.5	44
1582	Monitoring Plastic Beach Litter by Number or by Weight: The Implications of Fragmentation. Frontiers in Marine Science, 2021, 8, .	1.2	13
1583	Macroplastic Debris Transfer in Rivers: A Travel Distance Approach. Frontiers in Water, 2021, 3, .	1.0	25
1584	Distribution of seafloor litter and its interaction with benthic organisms in deep waters of the Ligurian Sea (Northwestern Mediterranean). Science of the Total Environment, 2021, 788, 147745.	3.9	34
1585	Assessing the Impact of Chrysene-Sorbed Polystyrene Microplastics on Different Life Stages of the Mediterranean Mussel Mytilus galloprovincialis. Applied Sciences (Switzerland), 2021, 11, 8924.	1.3	6
1586	Environmental status of marine plastic pollution in Spain. Marine Pollution Bulletin, 2021, 170, 112677.	2.3	21

#	Article	IF	Citations
1587	Microplastic pollution in aquatic environments with special emphasis on riverine systems: Current understanding and way forward. Journal of Environmental Management, 2021, 293, 112860.	3.8	40
1588	Ingestion of microplastics and mesoplastics by Trachurus declivis (Jenyns, 1841) retrieved from the food of the Australasian gannet Morus serrator: First documented report from New Zealand. Marine Pollution Bulletin, 2021, 170, 112652.	2.3	9
1589	Floating marine litter detection algorithms and techniques using optical remote sensing data: A review. Marine Pollution Bulletin, 2021, 170, 112675.	2.3	46
1590	Direct ingestion, trophic transfer, and physiological effects of microplastics in the early life stages of Centropristis striata, a commercially and recreationally valuable fishery species. Environmental Pollution, 2021, 285, 117653.	3.7	32
1591	Monitoring aquaculture fisheries using Sentinel -2 images by identifying plastic fishery rings. , 2021, , .		1
1592	Importance of seasonal sea ice in the western Arctic ocean to the Arctic and global microplastic budgets. Journal of Hazardous Materials, 2021, 418, 125971.	6.5	34
1593	Socioeconomics effects on global hotspots of common debris items on land and the seafloor. Global Environmental Change, 2021, 71, 102360.	3.6	22
1594	Microplastic pollution in the Yangtze River Basin: Heterogeneity of abundances and characteristics in different environments. Environmental Pollution, 2021, 287, 117580.	3.7	45
1595	Assessment of microplastics in oysters in coastal areas of Taiwan. Environmental Pollution, 2021, 286, 117437.	3.7	26
1596	The application of tape lifting for microplastic pollution monitoring. Environmental Advances, 2021, 5, 100066.	2.2	14
1597	Progress in quantitative analysis of microplastics in the environment: A review. Chemical Engineering Journal, 2021, 422, 130154.	6.6	74
1598	Gradual effects of gradient concentrations of polystyrene nanoplastics on metabolic processes of the razor clams. Environmental Pollution, 2021, 287, 117631.	3.7	23
1599	Impacts of global warming on marine microbial communities. Science of the Total Environment, 2021, 791, 147905.	3.9	47
1600	The sorption of persistent organic pollutants in microplastics from the coastal environment. Journal of Hazardous Materials, 2021, 420, 126658.	6.5	50
1601	Biodegradable and re-usable sponge materials made from chitin for efficient removal of microplastics. Journal of Hazardous Materials, 2021, 420, 126599.	6.5	77
1602	Two genes related to reproductive development in the juvenile prawn, Macrobrachium nipponense: Molecular characterization and transcriptional response to nanoplastic exposure. Chemosphere, 2021, 281, 130827.	4.2	10
1603	Microplastic contamination in Indian edible mussels (Perna perna and Perna viridis) and their environs. Marine Pollution Bulletin, 2021, 171, 112678.	2.3	34
1604	Thermogravimetric analysis of microplastics: A mini review. Environmental Advances, 2021, 5, 100117.	2.2	40

#	Article	IF	Citations
1605	Microplastics contamination in pearl-farming lagoons of French Polynesia. Journal of Hazardous Materials, 2021, 419, 126396.	6.5	28
1606	Macroplastics contamination on glaciers from Italian Central-Western Alps. Environmental Advances, 2021, 5, 100084.	2.2	15
1607	Characteristics, fate, and impact of marine plastic debris exposed to sunlight: A review. Marine Pollution Bulletin, 2021, 171, 112701.	2.3	42
1608	Resource recovery from industrial effluents through the cultivation of microalgae: A review. Bioresource Technology, 2021, 337, 125461.	4.8	64
1609	Microplastics in inland freshwater environments with different regional functions: A case study on the Chengdu Plain. Science of the Total Environment, 2021, 789, 147938.	3.9	35
1610	The impacts of plastic products on air pollution - A simulation study for advanced life cycle inventories of plastics covering secondary microplastic production. Sustainable Production and Consumption, 2021, 28, 848-865.	5.7	28
1611	Assessment of microplastics in discharged treated wastewater and the utility of Chrysaora pentastoma medusae as bioindicators of microplastics. Science of the Total Environment, 2021, 790, 148076.	3.9	16
1612	Contamination of seabed sediments in Tokyo Bay by small microplastic particles. Estuarine, Coastal and Shelf Science, 2021, 261, 107552.	0.9	13
1613	A framework for the assessment of marine litter impacts in life cycle impact assessment. Ecological Indicators, 2021, 129, 107918.	2.6	87
1614	Taking a mass-balance approach to assess marine plastics in the South China Sea. Marine Pollution Bulletin, 2021, 171, 112708.	2.3	25
1615	Polymer composition assessment suggests prevalence of single-use plastics among items ingested by loggerhead sea turtles in the western mediterranean sub-region. Environmental Pollution, 2022, 292, 118274.	3.7	9
1616	Sinking characteristics of microplastics in the marine environment. Science of the Total Environment, 2021, 793, 148526.	3.9	38
1617	Anthropogenic debris in an Antarctic Specially Protected Area in the maritime Antarctic. Marine Pollution Bulletin, 2021, 172, 112921.	2.3	11
1618	Recent advances of priority phenolic compounds detection using phenol oxidases-based electrochemical and optical sensors. Measurement: Journal of the International Measurement Confederation, 2021, 184, 109855.	2.5	19
1619	Expanded polystyrene microplastic is more cytotoxic to seastar coelomocytes than its nonexpanded counterpart: A comparative analysis. Journal of Hazardous Materials Letters, 2021, 2, 100031.	2.0	3
1620	Stranded in the high tide line: Spatial and temporal variability of beached microplastics in a semi-enclosed embayment (Arcachon, France). Science of the Total Environment, 2021, 797, 149144.	3.9	18
1621	Composition and abundance of benthic marine litter in the fishing grounds of Iskenderun Bay, northeastern Levantine coast of Turkey. Marine Pollution Bulletin, 2021, 172, 112840.	2.3	7
1622	The effectiveness of legislative and voluntary strategies to prevent ocean plastic pollution: Lessons from the UK and South Pacific. Marine Pollution Bulletin, 2021, 172, 112778.	2.3	13

#	Article	IF	Citations
1623	Macroplastic accumulation in roadside ditches of New York State's Finger Lakes region (USA) across land uses and the COVID-19 pandemic. Journal of Environmental Management, 2021, 298, 113524.	3.8	10
1624	The macro-debris pollution in the shorelines of Lake Tana: First report on abundance, assessment, constituents, and potential sources. Science of the Total Environment, 2021, 797, 149235.	3.9	27
1625	Microplastics in aquatic environment: Challenges and perspectives. Chemosphere, 2021, 282, 131151.	4.2	118
1626	A baseline analysis of marine debris on southern islands of Belize. Marine Pollution Bulletin, 2021, 172, 112916.	2.3	4
1627	Skewed sex ratio and gametogenesis gene expression in eastern oysters (Crassostrea virginica) exposed to plastic pollution. Journal of Experimental Marine Biology and Ecology, 2021, 544, 151605.	0.7	9
1628	Deep-sea plastisphere: Long-term colonization by plastic-associated bacterial and archaeal communities in the Southwest Atlantic Ocean. Science of the Total Environment, 2021, 793, 148335.	3.9	33
1629	Distribution of plastic litter in beach sediments of Silver beach, Cuddalore, during Nivar Cyclone â€“ A first report. Marine Pollution Bulletin, 2021, 172, 112904.	2.3	7
1630	Daily environmental variation influences temporal patterns of marine debris deposition along an estuarine outlet in southern Brazil. Marine Pollution Bulletin, 2021, 172, 112859.	2.3	3
1631	Marine microplastics in the surface waters of â€œpristineâ€•Kuroshio. Marine Pollution Bulletin, 2021, 172, 112808.	2.3	9
1632	Microplastics pollution: A comprehensive review on the sources, fates, effects, and potential remediation. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100530.	1.7	24
1633	Analysis of microplastics-sorbed endocrine-disrupting compounds in pellets and microplastic fragments from beaches. Microchemical Journal, 2021, 171, 106834.	2.3	8
1634	Simple screening of microplastics in bottled waters and environmental freshwaters using a novel fluorophore. Chemosphere, 2021, 285, 131406.	4.2	17
1635	The current state of microplastic pollution in the world's largest gulf and its future directions. Environmental Pollution, 2021, 291, 118142.	3.7	28
1636	Cellulose bionanocomposites for sustainable planet and people: A global snapshot of preparation, properties, and applications. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100065.	1.6	15
1637	Carbon and energy footprints of high-value food trays and lidding films made of common bio-based and conventional packaging materials. Cleaner Environmental Systems, 2021, 3, 100058.	2.2	6
1638	Understanding the fate of nano-plastics in wastewater treatment plants and their removal using membrane processes. Chemosphere, 2021, 284, 131430.	4.2	57
1639	Floating plastics in oceans: A matter of size. Current Opinion in Green and Sustainable Chemistry, 2021, 32, 100543.	3.2	1
1640	Science-society-policy interface for microplastic and nanoplastic: Environmental and biomedical aspects. Environmental Pollution, 2021, 290, 117985.	3.7	14

#	Article	IF	Citations
1641	Microplastics from miscellaneous plastic wastes: Physico-chemical characterization and impact on fish and amphibian development. Ecotoxicology and Environmental Safety, 2021, 225, 112775.	2.9	26
1642	Ecological implications beyond the ecotoxicity of plastic debris on marine phytoplankton assemblage structure and functioning. Environmental Pollution, 2021, 290, 118101.	3.7	18
1643	A first assessment of marine meso-litter and microplastics on beaches: Where does Mauritius stand?. Marine Pollution Bulletin, 2021, 173, 112941.	2.3	12
1644	Subchronic toxicity of dietary sulfamethazine and nanoplastics in marine medaka (Oryzias) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Environmental Safety, 2021, 226, 112820.	2.9	26
1645	Low abundance of microplastics in commercially caught fish across southern Australia. Environmental Pollution, 2021, 290, 118030.	3.7	43
1646	Microplastics and trace metals in fish species of the Gulf of Mannar (Indian Ocean) and evaluation of human health. Environmental Pollution, 2021, 291, 118089.	3.7	45
1647	Bioplastic accumulates antibiotic and metal resistance genes in coastal marine sediments. Environmental Pollution, 2021, 291, 118161.	3.7	20
1648	Temporal trends and interannual variation in plastic ingestion by Flesh-footed Shearwaters (Ardenna) Tj ETQq1 1 0.784314 rgBT /Ove	3.7	17
1649	Environmental microplastic and nanoplastic: Exposure routes and effects on coagulation and the cardiovascular system. Environmental Pollution, 2021, 291, 118190.	3.7	53
1650	Fishing plastics: A high occurrence of marine litter in surf-zone trammel nets of Southern Brazil. Marine Pollution Bulletin, 2021, 173, 112946.	2.3	7
1651	Microplastics pollution in the ocean: Potential carrier of resistant bacteria and resistance genes. Environmental Pollution, 2021, 291, 118130.	3.7	47
1652	On the prediction of settling velocity for plastic particles of different shapes. Environmental Pollution, 2021, 290, 118068.	3.7	36
1653	Polystyrene nanoplastics exacerbated the ecotoxicological and potential carcinogenic effects of tetracycline in juvenile grass carp (Ctenopharyngodon idella). Science of the Total Environment, 2022, 803, 150027.	3.9	29
1654	A comparative review of microplastics in lake systems from different countries and regions. Chemosphere, 2022, 286, 131806.	4.2	86
1655	Polyethylene terephthalate and di-(2-ethylhexyl) phthalate in surface and core sediments of Bohai Bay, China: Occurrence and ecological risk. Chemosphere, 2022, 286, 131904.	4.2	6
1656	Microplastic contamination of an unconfined groundwater aquifer in Victoria, Australia. Science of the Total Environment, 2022, 802, 149727.	3.9	100
1657	Floating plastics and their associated biota in the Western South Atlantic. Science of the Total Environment, 2022, 805, 150186.	3.9	22
1658	Plastic leachates lead to long-term toxicity in fungi and promote biodegradation of heterocyclic dye. Science of the Total Environment, 2022, 806, 150538.	3.9	9

#	Article	IF	Citations
1659	Membrane bioreactor (MBR) as an advanced wastewater treatment technology for removal of synthetic microplastics. , 2022, , 45-60.		17
1660	Microplastics as Pollutants in the Marine Environment. , 2021, , 373-399.		3
1661	Exploring the global metagenome for plastic-degrading enzymes. Methods in Enzymology, 2021, 648, 137-157.	0.4	16
1662	The Effect of Wastewater Treatment Plants on Retainment of Plastic Microparticles to Enhance Water Qualityâ€"A Review. Journal of Environmental Protection, 2021, 12, 161-195.	0.3	8
1663	Exposome, Biomonitoring, Assessment and Data Analytics to Quantify Universal Water Quality. Advanced Sciences and Technologies for Security Applications, 2021, , 67-114.	0.4	17
1664	Microplastics: A Review of Methodology for Sampling and Characterizing Environmental and Biological Samples. Methods in Molecular Biology, 2021, 2326, 339-359.	0.4	2
1665	Navigating the Ocean of Publicly Available Maritime Data. , 2021, , 31-69.		3
1666	Polyvinyl alcohol modification with sustainable ketones. Polymer Chemistry, 2021, 12, 4961-4973.	1.9	9
1668	Microplastics: A Novel Suite of Environmental Contaminants but Present for Decades. , 2021, , 1185-1210.		0
1669	Sustainable Supply Chain Management and Life Below Water. Encyclopedia of the UN Sustainable Development Goals, 2021, , 1-17.	0.0	0
1670	Effects of anthropogenic activities on microplastics in deposit-feeders (Diptera: Chironomidae) in an urban river of Taiwan. Scientific Reports, 2021, 11, 400.	1.6	14
1671	Characterization and Assessment of Micro and Macroscopic Litter in Sardinian Beaches (Western) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	6
1672	Microplastic risks in the seafood in terms of food safety and their research methods. Aquatic Research, 2021, 4, 73-87.	0.3	1
1674	Metagenomics: A powerful lens viewing the microbial world. , 2021, , 309-339.		4
1675	Conversion of Agro-industrial Wastes for the Manufacture of Bio-based Plastics. , 2021, , 177-204.		3
1676	Nanomaterial and microplastic-based contamination in water and its health risk assessment. , 2021, , 251-264.		0
1677	The â€œplastic cycleâ€• a watershedâ€scale model of plastic pools and fluxes. Frontiers in Ecology and the Environment, 2021, 19, 176-183.	1.9	56
1678	Relative Influence of Plastic Debris Size and Shape, Chemical Composition and Phytoplankton-Bacteria Interactions in Driving Seawater Plastisphere Abundance, Diversity and Activity. Frontiers in Microbiology, 2020, 11, 610231.	1.5	38

#	Article	IF	Citations
1679	Recycling of Marine Plastic Debris. Composites Science and Technology, 2021, , 121-141.	0.4	3
1680	Abundance of non-conservative microplastics in the upper ocean from 1957 to 2066. Nature Communications, 2019, 10, .	5.8	1
1681	Microbial colonization of microplastics in the Caribbean Sea. Limnology and Oceanography Letters, 2020, 5, 5-17.	1.6	86
1682	Science for the Future: The Use of Citizen Science in Marine Research and Conservation. , 2020, , 1-19.		22
1683	Changes on Earth as a Result of Interaction Between the Society and Nature. Sustainable Development Goals Series, 2020, , 75-202.	0.2	1
1684	Biological Invasions in South Africaâ€™s Offshore Sub-Antarctic Territories. , 2020, , 207-227.		12
1686	Megaplastics to Nanoplastics: Emerging Environmental Pollutants and Their Environmental Impacts. Microorganisms for Sustainability, 2019, , 205-235.	0.4	2
1687	Plastic and Microplastic Pollution: From Ocean Smog to Planetary Boundary Threats. , 2020, , 229-240.		4
1688	Sorption of PCBs to environmental plastic pollution in the North Atlantic Ocean: Importance of size and polymer type. Case Studies in Chemical and Environmental Engineering, 2020, 2, 100062.	2.9	18
1689	Microplastics in surface waters of the Gulf of Gabes, southern Mediterranean Sea: Distribution, composition and influence of hydrodynamics. Estuarine, Coastal and Shelf Science, 2020, 242, 106832.	0.9	37
1690	Floating macro- and microplastics around the Southern Ocean: Results from the Antarctic Circumnavigation Expedition. Environment International, 2020, 136, 105494.	4.8	163
1691	Close Encounters - Microplastic availability to pelagic amphipods in sub-Antarctic and Antarctic surface waters. Environment International, 2020, 140, 105792.	4.8	79
1692	Characterization of plastic micro particles in the Atlantic Ocean seashore of Cape Town, South Africa and mass spectrometry analysis of pyrolyzate products. Environmental Pollution, 2020, 265, 114859.	3.7	27
1693	Casein films crosslinked by tannic acid for food packaging applications. Food Hydrocolloids, 2018, 84, 424-434.	5.6	139
1694	The use of Hediste diversicolor in the study of emerging contaminants. Marine Environmental Research, 2020, 159, 105013.	1.1	9
1695	Mild toxicity of polystyrene and polymethylmethacrylate microplastics in Paracentrotus lividus early life stages. Marine Environmental Research, 2020, 161, 105132.	1.1	21
1696	Abundance of plastic microbeads in Hong Kong coastal water. Marine Pollution Bulletin, 2018, 133, 500-505.	2.3	48
1697	Field test of beach litter assessment by commercial aerial drone. Marine Pollution Bulletin, 2020, 151, 110823.	2.3	39

#	Article	IF	Citations
1698	Horizontal and vertical distribution of phthalates acid ester (PAEs) in seawater and sediment of East China Sea and Korean South Sea: Traces of plastic debris?. Marine Pollution Bulletin, 2020, 151, 110831.	2.3	45
1699	Limited ingestion, rapid egestion and no detectable impacts of microbeads on the moon jellyfish, Aurelia aurita. Marine Pollution Bulletin, 2020, 156, 111208.	2.3	17
1700	Microplastics and floating litter pollution in Bulgarian Black Sea coastal waters. Marine Pollution Bulletin, 2020, 156, 111225.	2.3	36
1701	Plastic ingestion lead to reduced body condition and modified diet patterns in the rocky shore crab Pachygrapsus transversus (Gibbes, 1850) (Brachyura: Grapsidae). Marine Pollution Bulletin, 2020, 156, 111249.	2.3	16
1702	Factors influencing the spatial and temporal distribution of microplastics at the sea surface â€“ A year-long monitoring case study from the urban Kiel Fjord, southwest Baltic Sea. Science of the Total Environment, 2020, 736, 139493.	3.9	34
1703	Toxic effects of leachates from plastic pearl-farming gear on embryo-larval development in the pearl oyster Pinctada margaritifera. Water Research, 2020, 179, 115890.	5.3	61
1704	Occurrence and distribution of microplastics in domestic, industrial, agricultural and aquacultural wastewater sources: A case study in Changzhou, China. Water Research, 2020, 182, 115956.	5.3	108
1705	Fate of ocean plastic remains a mystery. Nature, 0, , .	13.7	7
1706	Plastic waste taints the ocean floors. Nature, 0, , .	13.7	5
1707	Plastic in Marine Litter. Issues in Environmental Science and Technology, 2018, , 21-59.	0.4	3
1708	Microplastics in the Environment. Issues in Environmental Science and Technology, 2018, , 60-81.	0.4	13
1709	Characterizing microplastic size and morphology of photodegraded polymers placed in simulated moving water conditions. Environmental Sciences: Processes and Impacts, 2020, 22, 398-407.	1.7	66
1710	Current status of food safety hazards and health risks connected with aquatic food products from Southeast Asian region. Critical Reviews in Food Science and Nutrition, 2022, 62, 3471-3489.	5.4	19
1711	A spatially variable scarcity of floating microplastics in the eastern North Pacific Ocean. Environmental Research Letters, 2020, 15, 114056.	2.2	34
1712	Disentangling the influence of taxa, behaviour and debris ingestion on seabird mortality. Environmental Research Letters, 2020, 15, 124071.	2.2	13
1714	Transport of marine microplastic particles: why is it so difficult to predict?. Anthropocene Coasts, 2019, 2, 293-305.	0.6	54
1715	A first assessment of microplastics and other anthropogenic particles in Hudson Bay and the surrounding eastern Canadian Arctic waters of Nunavut. Facets, 2020, 5, 432-454.	1.1	58
1716	Oceanography and Marine Biology. , 0, , .		6

#	Article	IF	Citations
1717	Antarctic Marine Biodiversity: Adaptations, Environments and Responses to Change. , 2018, , 105-236.		99
1718	Anthropogenic Debris Ingestion by Avifauna in Eastern Australia. PLoS ONE, 2016, 11, e0158343.	1.1	46
1719	Changes in the Floating Plastic Pollution of the Mediterranean Sea in Relation to the Distance to Land. PLoS ONE, 2016, 11, e0161581.	1.1	237
1720	Sea surface microlayer in a changing ocean â€“ A perspective. Elementa, 2017, 5, .	1.1	73
1721	Plastic microbeads from cosmetic products: an experimental study of their hydrodynamic behaviour, vertical transport and resuspension in phytoplankton and sediment aggregates. Elementa, 2018, 6, .	1.1	50
1722	Impact of polyvinyl chloride, polystyrene, and polyethylene on the organism of mice. Regulatory Mechanisms in Biosystems, 2019, 10, 50-55.	0.5	9
1723	Analisis dan Pemodelan Pencemaran Timbulan Sampah Menggunakan Aplikasi Integrated Waste Management 2 (IWM2) di Kawasan Pesisir Waha Raya, Kabupaten Wakatobi. Jurnal Airaha, 2019, 8, 024-032.	0.1	3
1724	No evidence of microplastic consumption by the copepod, Temora longicornis (MÃ¼ller, 1785) in Chichester Harbour, United Kingdom. Nauplius, 0, 28, .	0.3	8
1725	Behavioral responses to fishing line entanglement of a juvenile bottlenose dolphin in Shark Bay, Australia. Matters, 0, , .	1.0	6
1726	EFFECT OF MICROPLASTIC ON GREEN MUSSEL Perna viridis: EXPERIMENTAL APPROACH. Jurnal Ilmu Kelautan Spermonde, 2020, 5, 89.	0.4	6
1727	The Fisheries and Aquaculture Advantage: Fostering Food Security and Nutrition, Increasing. SSRN Electronic Journal, 0, , .	0.4	1
1728	Microplastic tracking from Pacific garbage to Northern Indonesia Sea. Jurnal Perspektif Pembiayaan Dan Pembangunan Daerah, 2018, 6, 87-96.	0.1	3
1729	Synergistic effects of parabens and plastic nanoparticles on proliferation of human breast cancer cells. Arhiv Za Higijenu Rada I Toksikologiju, 2019, 70, 310-314.	0.4	17
1730	Microplastics in the water column, bottom sediments, and beach sands of the southeastern Baltic Sea: concentrations, particle distributions by size and shape. Regional Ecology, 2019, 56, 16.	0.1	2
1731	Global review of shark and ray entanglement in anthropogenic marine debris. Endangered Species Research, 2019, 39, 173-190.	1.2	64
1732	Understanding individual and population-level effects of plastic pollution on marine megafauna. Endangered Species Research, 2020, 43, 234-252.	1.2	72
1733	We can reduce the impact of scientific trawling on marine ecosystems. Marine Ecology - Progress Series, 2019, 609, 277-282.	0.9	19
1734	Developing Neo-bioplastics for the Realization of Carbon Sustainable Society. , 2020, 1, .		1

#	Article	IF	Citations
1735	Marine Environmental Plastic Pollution: Mitigation by Microorganism Degradation and Recycling Valorization. Frontiers in Marine Science, 2020, 7, .	1.2	86
1736	Comparative Analysis of the Behaviour of Marine Litter in Thermochemical Waste Treatment Processes. Processes, 2021, 9, 13.	1.3	6
1737	Indicators of Consumersâ€™ Preferences for Bio-Based Apparel: A German Case Study with a Functional Rain Jacket Made of Bioplastic. Sustainability, 2020, 12, 675.	1.6	27
1738	Microfouling communities from pelagic and benthic marine plastic debris sampled across Mediterranean coastal waters. Scientia Marina, 2016, 80, 117-127.	0.3	56
1739	Spatial distribution of marine macro-litter on the seafloor in the northern Mediterranean Sea: the MEDITS initiative. Scientia Marina, 2019, 83, 257.	0.3	37
1740	White Pollution. Impact of Meat Consumption on Health and Environmental Sustainability, 2020, , 52-81.	0.4	6
1741	Microplastics and Wastewater Treatment Plantsâ€”A Review. Journal of Water Resource and Protection, 2020, 12, 1-35.	0.3	101
1742	Flora of drift plastics: a new red algal genus, Tsunamia transpacifica (Stylonematophyceae) from Japanese tsunami debris in the northeast Pacific Ocean. Algae, 2016, 31, 289-301.	0.9	16
1743	Beaching patterns of plastic debris along the Indian Ocean rim. Ocean Science, 2020, 16, 1317-1336.	1.3	45
1744	Modelling mussel (<i>Mytilus spp.</i>) microplastic accumulation. Ocean Science, 2020, 16, 927-949.	1.3	14
1745	Human Health and Ocean Pollution. Annals of Global Health, 2020, 86, 151.	0.8	240
1746	Macrodebris and microplastics pollution in Nigeria: first report on abundance, distribution and composition. Environmental Analysis, Health and Toxicology, 2019, 34, e2019012.	0.7	35
1748	Open source approaches to establishingRoseobacterclade bacteria as synthetic biology chassis for biogeoengineering. PeerJ, 2016, 4, e2031.	0.9	7
1750	Plastic additives and legacy persistent organic pollutants in the preen gland oil of seabirds sampled across the globe. Environmental Monitoring and Contaminants Research, 2021, 1, 97-112.	0.4	16
1751	Battling the known unknowns: a synoptic review of aquatic plastics research from Australia, the United Kingdom and China. Environmental Sciences: Processes and Impacts, 2021, 23, 1663-1680.	1.7	1
1752	Predicting the Global Environmental Distribution of Plastic Polymers. SSRN Electronic Journal, 0, , .	0.4	0
1753	Advances on Remote Sensing of Windrows as Proxies for Marine Litter Based on Sentinel-2/MSI Datasets. , 2021, , .		3
1754	Quantifying Floating Plastic Debris at Sea Using Vessel-Based Optical Data and Artificial Intelligence. , 2021, , .		2

#	Article	IF	Citations
1755	Effect of Physical Characteristics and Hydrodynamic Conditions on Transport and Deposition of Microplastics in Riverine Ecosystem. Water (Switzerland), 2021, 13, 2710.	1.2	76
1756	Modeling the Pathways and Accumulation Patterns of Micro- and Macro-Plastics in the Mediterranean. Frontiers in Marine Science, 2021, 8, .	1.2	32
1757	Comparative role of microplastics and microalgae as vectors for chlorpyrifos bioacumulation and related physiological and immune effects in mussels. Science of the Total Environment, 2022, 807, 150983.	3.9	8
1758	Genotoxicity of Polystyrene (PS) Microspheres in Short-Term Exposure to Gametes of the Sand Dollar Scaphechinus mirabilis (Agassiz, 1864) (Echinodermata, Echinoidea). Journal of Marine Science and Engineering, 2021, 9, 1088.	1.2	9
1759	Coexistence and Adsorption Properties of Heavy Metals by Polypropylene Microplastics. Adsorption Science and Technology, 2021, 2021, .	1.5	14
1760	The fiber microparticle pipeline in the marine water column â€“ from source to mitigation strategies. Environmental Advances, 2022, 7, 100133.	2.2	2
1761	Marine Microplastics and Seafood: Implications for Food Security. Environmental Contamination Remediation and Management, 2022, , 131-153.	0.5	1
1762	Review of Microplastic Distribution, Toxicity, Analysis Methods, and Removal Technologies. Water (Switzerland), 2021, 13, 2736.	1.2	40
1763	Plastic-Degrading Potential across the Global Microbiome Correlates with Recent Pollution Trends. MBio, 2021, 12, e0215521.	1.8	51
1764	Microplastics in the Center of Mediterranean: Comparison of the Two Calabrian Coasts and Distribution from Coastal Areas to the Open Sea. International Journal of Environmental Research and Public Health, 2021, 18, 10712.	1.2	19
1765	Field evidence for microplastic interactions in marine benthic invertebrates. Scientific Reports, 2021, 11, 20900.	1.6	21
1766	Microplastics in fish meals: An exposure route for aquaculture animals. Science of the Total Environment, 2022, 807, 151049.	3.9	28
1767	The Journey of Alternative and Sustainable Substitutes for â€œSingleâ€Useâ€•Plastics. Advanced Sustainable Systems, 2021, 5, 2100085.	2.7	8
1768	Effects of extremely high concentrations of polystyrene microplastics on asexual reproduction and nematocyst discharge in the jellyfish Sanderia malayensis. Science of the Total Environment, 2022, 807, 150988.	3.9	8
1769	Sustainable 3D printed composites from recycled ocean plastics and pyrolyzed soy-hulls: Optimization of printing parameters, performance studies and prototypes development. Composites Part C: Open Access, 2021, 6, 100197.	1.5	14
1770	Physiological Responses of Pocillopora acuta and Porites lutea Under Plastic and Fishing Net Stress. Frontiers in Marine Science, 2021, 8, .	1.2	6
1771	Controversy over the Use of â€œShade Coversâ€•to Avoid Water Evaporation in Water Reservoirs. Sustainability, 2021, 13, 11234.	1.6	7
1772	The Microplastic Cycle: An Introduction to a Complex Issue. Environmental Contamination Remediation and Management, 2022, , 1-16.	0.5	5

#	Article	IF	Citations
1773	Microplastics in a pelagic dolphinfish (Coryphaena hippurus) from the Eastern Pacific Ocean and the implications for fish health. Science of the Total Environment, 2022, 809, 151126.	3.9	20
1774	Direct radiative effects of airborne microplastics. Nature, 2021, 598, 462-467.	13.7	152
1775	A multifaceted assessment of the effects of polyethylene microplastics on juvenile gilthead seabreams (Sparus aurata). Aquatic Toxicology, 2021, 241, 106004.	1.9	10
1776	Effect of rosemary essential oil and ethanol extract on physicochemical and antibacterial properties of optimized gelatinâ€“chitosan film using mixture design. Journal of Food Processing and Preservation, 2022, 46, e16059.	0.9	7
1777	Poly(alkylene terephthalate)s: From current developments in synthetic strategies towards applications. European Polymer Journal, 2021, 161, 110840.	2.6	25
1778	Current status of studies on microplastics in the world's marine environments. Journal of Cleaner Production, 2021, 327, 129394.	4.6	13
1779	Junk food: Interspecific and intraspecific distinctions in marine debris ingestion by marine turtles. Marine Pollution Bulletin, 2021, 173, 113009.	2.3	7
1780	An annual study on plastic accumulation in surface water and sediment cores from the coastline of Tenerife (Canary Island, Spain). Marine Pollution Bulletin, 2021, 173, 113072.	2.3	8
1781	Occurrence and size distribution of microplastics in mudflat sediments of the Cowichan-Koksilah Estuary, Canada: A baseline for plastic particles contamination in an anthropogenic-influenced estuary. Marine Pollution Bulletin, 2021, 173, 113033.	2.3	13
1783	The Future of Bacteria Cleaning Our Plastic Waste. California Agriculture, 2016, 21, .	0.0	0
1784	Survey on Plastic Usage among the Teenagers of Alappuzha Town, Kerala. Scholars Academic Journal of Biosciences, 2016, 4, .	0.1	1
1786	Faire monde avec lâ€™irrÃ©parable. Techniques and Culture, 2016, , 34-47.	0.1	3
1787	Product Life-Cycle Assessment in the Realm of Enterprise Modeling. Lecture Notes in Business Information Processing, 2017, , 187-202.	0.8	0
1790	microplastics, numerical modelling, the Baltic Sea, anthropogenic pollution. , 2017, , .		0
1791	Sustainable Hospitality Management: Challenges and Opportunities for Small Island Destinationsâ€”Lessons from the British Virgin Islands. CSR, Sustainability, Ethics & Governance, 2018, , 99-118.	0.2	0
1792	Size-Selective Feeding by Mesopelagic Fish Can Impact Ocean Surface Abundance of Small Plastic Particles. Springer Water, 2018, , 151-157.	0.2	0
1793	FISHERIES ABUNDANCE OF THE LINE AND HOOK SMALL SCALE FISHERIES OF THE CENTRAL COAST OF BRAZIL.. Revista Brasileira De Engenharia De Pesca, 2017, 10, 53.	0.2	0
1795	Numerical Simulation of One Pavement Structure of Polyethylene Terephthalate Submitted to Static Point Loads. Advances in Science, Technology and Engineering Systems, 2018, 3, 478-487.	0.4	0

#	Article	IF	Citations
1796	Conclusion: Past, Present, and Future of Old-Growth Forests in the East. , 2018, , 289-306.		0
1798	Zooplankton and Neustonic Microplastics in the Surface Layer of Yeosu Coastal Areas. Hangug Hwangyeong Saengmul Haghoeji, 2018, 36, 11-20.	0.1	6
1801	Plastic pollution and World Environment Day 2018. International International Journal of Avian & Wildlife Biology, 2018, 3, .	0.2	0
1802	A Look at the Status of Microplastic Pollution Trends and Possible Solution Frameworks. Material Cycles and Waste Management Research, 2018, 29, 261-269.	0.0	4
1805	Estimation des flux de plastiques transitant en Seine : quelles mÃ©thodes pour quels rÃ©sultats ?. Techniques - Sciences - Methodes, 2019, , 15-26.	0.0	0
1806	MARITIME SPACES AND THEIR GEOGRAPHY. Ambiente & Sociedade, 0, 22, .	0.5	0
1807	RISING AND SETTLING PROPERTITY OF MICROPLASTICS IN RIVERS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2019, 75, I_439-I_444.	0.0	0
1808	Microplastics as Contaminant in FreshWater Ecosystem: A Modern Environmental Issue. , 2019, , 355-377.		1
1809	Analyzing the Prospects and Acceptance of Mobile-Based Marine Debris Tracking. Lecture Notes in Electrical Engineering, 2019, , 256-267.	0.3	0
1810	Biodegradation and Bioremediation: An Introduction. , 2019, , 1-20.		0
1811	Investigations: Environmental Pollution Dumping. , 2019, , 1-7.		0
1812	ACCUMULATION AND DEGRADATION OF MACRO-, MESO- AND MICRO- PLASTICS ON RIVER BANKS OF ARAKAWA RIVER. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2019, 75, I_433-I_438.	0.0	0
1813	Epiloque. Biologically-inspired Systems, 2019, , 321-326.	0.4	0
1814	RELATIONS OF VARIOUS SOCIAL ACTORS WITH MARINE DEBRIS IN THE MUNICIPALITY OF CANANEIA, SP. Ambiente & Sociedade, 0, 22, .	0.5	1
1815	Imagining decline or sustainability: Hope, fear, and ideological discourse in Hollywood speculative fiction. Elementa, 2019, 7, .	1.1	2
1816	Mikroplastik in der aquatischen Umwelt. Essentials, 2019, , 23-32.	0.1	0
1817	Eco-Imperial Relations: The Roots of Dispossessive and Unequal Accumulation. , 2019, , 1-24.		0
1820	Direction of Measures against Ocean Plastic Debris Problem with a Look at Fishing Gear. Material Cycles and Waste Management Research, 2019, 30, 106-114.	0.0	0

#	Article	IF	Citations
1822	Marine Plastic Pollution and the Solution. Trends in the Sciences, 2019, 24, 10_44-10_48.	0.0	0
1823	Plastic in the Food Chain and the Expected Pandemic of Cancer?. Novel Approaches in Cancer Study, 2019, 3, .	0.2	1
1824	Assessment of Microplastics in the Great Plains: Comparing Densities in Water and Benthic Sediment Across Kansas. Transactions of the Kansas Academy of Science, 2019, 122, 281.	0.0	3
1825	Physical activities, sports and sustainability: a reflection on the role of the world surf league. MOTRICIDADES Revista Da Sociedade De Pesquisa Qualitativa Em Motricidade Humana, 2019, 3, 188-198.	0.0	0
1826	Microbial Ecosystem and Anthropogenic Impacts. , 2020, , 1-20.		0
1827	On the Control of the Navier-Stokes Equations and Related Systems. RSME Springer Series, 2020, , 1-20.	0.1	0
1828	SPATIAL VARIABILITY OF MICROPLASTICS IN THE FUJISAWA COAST AND PRELIMINARY EXPERIMENTAL INVESTIGATION OF ITS REMOVAL. Journal of Japan Society of Civil Engineers Ser B2 (Coastal) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 497		
1830	Ecological features of the persistence of Vibrio cholerae: retrospective analysis and actual state of the problem. Zhurnal Mikrobiologii Epidemiologii I Immunobiologii, 2020, 97, 165-173.	0.3	3
1831	Anthropogenic Marine Debris (AMD) in Mangrove Forests of Pujada Bay, Davao Oriental, Philippines. Journal of Marine and Island Cultures, 2020, 9, .	0.1	8
1832	PENGUIN. , 2020, , .		7
1833	Microplastics Occurrence in Waters off the Northwest Coast of Peninsular Malaysia: A Spatial Difference. Journal of Basic & Applied Sciences, 0, 16, 50-60.	0.8	2
1834	Marine Litter and Waste and Tourism by C Michael Hall. , 2020, , .		0
1835	Microplastics in Environment and Effects on Biota. Turkish Journal of Water Science and Management, 2020, 4, 228-245.	0.2	1
1836	Meteorological and climatic variability influences anthropogenic microparticle content in the stomach of the European anchovy Engraulis encrasicolus. Hydrobiologia, 2022, 849, 589-602.	1.0	4
1837	First evidence of microplastics in the Marine Protected Area NamuncurÃ¡ at Burdwood Bank, Argentina: a study on Henricia obesa and Odontaster penicillatus (Echinodermata: Asteroidea). Polar Biology, 2021, 44, 2277-2287.	0.5	6
1838	Reefâ€building corals act as longâ€term sink for microplastic. Global Change Biology, 2022, 28, 33-45.	4.2	27
1839	Plastic pollution: why is it a public health problem?. Australian and New Zealand Journal of Public Health, 2021, 45, 535-537.	0.8	3
1840	Sea-Surface Slicks and Their Effect on the Concentration of Plastics and Zooplankton in the Coastal Waters of Rapa Nui (Easter Island). Frontiers in Marine Science, 2021, 8, .	1.2	7

#	Article	IF	Citations
1841	Decontamination of Seawater in a Harbor: Case Study of Potential Bioterrorism Attack. Smart Innovation, Systems and Technologies, 2022, , 217-226.	0.5	1
1842	Investigation of polyethylene terephthalate (PET) drinking bottles as marine reservoirs for fecal bacteria and phytoplankton. Marine Pollution Bulletin, 2021, 173, 113052.	2.3	5
1843	Co-production of future scenarios of policy action plans in a science-policy-industry interface â€“ The case of microfibre pollution from waste water treatment plants in Norway. Marine Pollution Bulletin, 2021, 173, 113062.	2.3	4
1844	Minimal meso-plastics detected in Australian coastal reef fish. Marine Pollution Bulletin, 2021, 173, 113074.	2.3	7
1845	Cloning and characterization of AMP-activated protein kinase genes in Daphnia pulex: Modulation of AMPK gene expression in response to polystyrene nanoparticles. Biochemical and Biophysical Research Communications, 2021, 583, 114-120.	1.0	1
1846	Entrepreneurship Addiction and the Negative Mental Health Consequences of Entrepreneurial Engagement Among Some Entrepreneurs. , 2020, , 217-232.		0
1847	Measuring the Size and the Charge of Microplastics in Aqueous Suspensions With and Without Microorganisms Using a Zeta-Sizer Meter. Springer Water, 2020, , 250-254.	0.2	5
1848	Effects of New and Aged Polyethylenterephthalat and Polylactic Acid on <i>Gammarus fossarum</i> (Crustacea: Amphipoda) during Long-Term Exposures. Journal of Environmental Protection, 2020, 11, 359-376.	0.3	8
1849	Three Experimental Phases of Cornstarch-Based Biodegradable Plastic. Journal of Humanities and Education Development, 2020, 2, 81-89.	0.1	0
1850	The Refill Shoppe: A Certified B Corp on the Quest for Growth to End Plastic Pollution. Entrepreneurship Education and Pedagogy, 2021, 4, 762-777.	1.4	0
1851	Microplastic Invasion â€“ A Threat to Animal and Human Health. Global Perspectives on Health Geography, 2021, , 129-147.	0.2	2
1852	Bioplastics: Fundamentals to Application. Environmental and Microbial Biotechnology, 2021, , 301-321.	0.4	1
1853	Critical Dialogue on the Role of Clothing Care Label for Controlling Microfiber Pollution. , 2020, , .		1
1854	Seawater degradation of PLA accelerated by water-soluble PVA. E-Polymers, 2020, 20, 759-772.	1.3	33
1855	Are research methods shaping our understanding of microplastic pollution? A literature review on the seawater and sediment bodies of the Mediterranean Sea. Environmental Pollution, 2022, 292, 118275.	3.7	30
1856	Target Classification of Marine Debris Using Deep Learning. Intelligent Automation and Soft Computing, 2022, 32, 73-85.	1.6	8
1857	Materials, surfaces, and interfacial phenomena in nanoplastics toxicology research. Environmental Pollution, 2022, 292, 118442.	3.7	33
1858	Organic enrichment can increase the impact of microplastics on meiofaunal assemblages in tropical beach systems. Environmental Pollution, 2022, 292, 118415.	3.7	14

#	Article	IF	Citations
1859	Eelgrass (Zostera marina) and its epiphytic bacteria facilitate the sinking of microplastics in the seawater. Environmental Pollution, 2022, 292, 118337.	3.7	18
1860	Scattered accumulation hotspots of macro-litter on the seafloor: Insights for mitigation actions. Environmental Pollution, 2022, 292, 118338.	3.7	10
1861	Photocatalytic materials immobilized on recycled supports and their role in the degradation of water contaminants: A timely review. Science of the Total Environment, 2022, 807, 150820.	3.9	20
1862	Cell size matters: Nano- and micro-plastics preferentially drive declines of large marine phytoplankton due to co-aggregation. Journal of Hazardous Materials, 2022, 424, 127488.	6.5	20
1863	Mathematical modeling of microplastic abundance, distribution, and transport in water environments: A review. Chemosphere, 2022, 288, 132517.	4.2	41
1864	The spatial and temporal variability about beached microplastics on the coast of Kanagawa prefecture. Ningen To Kankyo, 2019, 45, 2-14.	0.3	1
1865	Perfluoroalkyl Compounds on the Microplastics Found in Sagami Bay and Effect of the Inflow Rivers. Journal of Environmental Chemistry, 2020, 30, 66-81.	0.1	1
1866	Sorption of Potentially Toxic Elements to Microplastics. , 2020, , 1-16.		1
1867	Perceptions of Plastics Pollution and Waste amongst young people in Nigeria. SSRN Electronic Journal, 0, , .	0.4	1
1868	Microplastics: An Emerging Threat to the Aquatic Ecosystem. Environmental Chemistry for A Sustainable World, 2020, , 113-143.	0.3	0
1869	Embedding Nano-adsorbents Within Gross Pollutant Traps (GPTs): A Review. , 2020, , 115-121.		0
1870	Waste and Industrial Intoxication. , 2020, , 97-129.		0
1871	Plastic Debris Flowing from Rivers to Oceans: The Role of the Estuaries as a Complex and Poorly Understood Key Interface. , 2020, , 1-28.		4
1872	Witchesâ€™ Knickers and Carrier Bag Theories: Thinking Through Plastics. , 2020, , 125-140.		0
1874	Influencing Factors of Plastic Waste Pollution Reduction in Kinshasa. Journal of Geoscience and Environment Protection, 2020, 08, 180-199.	0.2	4
1875	Relationship between seafood consumption and bisphenol A exposure: the Second Korean National Environmental Health Survey (KoNEHS 2012â€“2014). Annals of Occupational and Environmental Medicine, 2020, 32, e10.	0.3	5
1876	Green Synthesis of NanoMaterials for BioSensing. Nanotechnology in the Life Sciences, 2020, , 135-217.	0.4	4
1877	Marine Plastic Debris. Advances in Environmental Engineering and Green Technologies Book Series, 2020, , 94-121.	0.3	2

#	Article	IF	Citations
1879	Perspectives on Submarine Geomorphology: An Introduction. , 2021, , 811-811.		0
1880	Valorization of Marine Waste: Use of Industrial By-Products and Beach Wrack Towards the Production of High Added-Value Products. Frontiers in Marine Science, 2021, 8, .	1.2	35
1881	Adsorption behavior of Cu(II) and Cr(VI) on aged microplastics in antibiotics-heavy metals coexisting system. Chemosphere, 2022, 291, 132794.	4.2	80
1882	Identification of Water-Soluble Polymers through Discrimination of Multiple Optical Signals from a Single Peptide Sensor. ACS Applied Materials & Interfaces, 2021, 13, 55978-55987.	4.0	7
1883	Fungal Enzymes as Catalytic Tools for Polyethylene Terephthalate (PET) Degradation. Journal of Fungi (Basel, Switzerland), 2021, 7, 931.	1.5	23
1884	Can the presence of additives result in false positive errors for microplastics in infant feeding bottles?. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2022, 39, 185-197.	1.1	11
1885	Plastic ingestion by green turtles (Chelonia mydas) over 33Âyears along the coast of Texas, USA. Marine Pollution Bulletin, 2021, 173, 113111.	2.3	8
1886	The product strength analysis of woven bag made from recycled mineral water plastic cups based on the polypropylene content. Scientific Review Engineering and Environmental Sciences, 2021, 29, 259-272.	0.2	0
1887	microplastics, numerical modelling, the Baltic Sea, anthropogenic pollution. , 2017, , .		0
1888	Biopolymer Based Nano-Structured Materials and Their Applications. Materials Horizons, 2021, , 337-366.	0.3	3
1889	Remote sensing detection of plastic waste: recent improvements and remaining challenges. , 2020, , .		1
1893	Life Cycle Assessment of Beverage Packaging. Detritus, 2020, , 47-61.	0.4	12
1894	Productâ€“Service Systems Applied to Reusable Packaging Systems: A Strategic Design Tool. Design Management Journal, 2020, 15, 15-32.	0.4	3
1896	Microplastics influence physiological processes, growth and reproduction in the Manila clam, Ruditapes philippinarum. Environmental Pollution, 2022, 293, 118502.	3.7	30
1897	Impact of waste generated due to COVID-19. , 2022, , 251-276.		2
1898	Microplastic in the subsurface system: Extraction and characterization from sediments of River Ganga near Patna, Bihar. , 2022, , 191-217.		6
1899	Microplastics pollution along the central Atlantic coastline of Morocco. Marine Pollution Bulletin, 2022, 174, 113190.	2.3	28
1900	Microplastics impact shell and pearl biomineralization of the pearl oyster Pinctada fucata. Environmental Pollution, 2022, 293, 118522.	3.7	20

#	Article	IF	Citations
1901	Distributions of microplastics and larger anthropogenic debris in Norfolk Canyon, Baltimore Canyon, and the adjacent continental slope (Western North Atlantic Margin, U.S.A.). Marine Pollution Bulletin, 2022, 174, 113047.	2.3	11
1902	Combined effects of short term exposure to seawater acidification and microplastics on the early development of the oyster Crassostrea rivularis. Aquaculture, 2022, 549, 737746.	1.7	5
1903	Detection and analysis of microplastics in the subtropical ocean of Okinawa using micro-Raman Optical Tweezers. , 2021, , .		2
1904	Micro-plastic pollution in marine, freshwater and soil environment: a research and patent analysis. International Journal of Environmental Science and Technology, 2022, 19, 11935-11962.	1.8	5
1905	Supposedly identical microplastic particles substantially differ in their material properties influencing particle-cell interactions and cellular responses. Journal of Hazardous Materials, 2022, 425, 127961.	6.5	29
1906	Microplastics in Mollusks: Research Progress, Current Contamination Status, Analysis Approaches, and Future Perspectives. Frontiers in Marine Science, 2021, 8, .	1.2	13
1907	Bacterial Abundance, Diversity and Activity During Long-Term Colonization of Non-biodegradable and Biodegradable Plastics in Seawater. Frontiers in Microbiology, 2021, 12, 734782.	1.5	35
1908	Garbage Patches and Their Environmental Implications in a Plastisphere. Journal of Marine Science and Engineering, 2021, 9, 1289.	1.2	15
1909	Environmental conditions affect the food quality of plastic associated biofilms for the benthic grazer Physa fontinalis. Science of the Total Environment, 2022, 816, 151663.	3.9	5
1910	Discarded masks as hotspots of antibiotic resistance genes during COVID-19 pandemic. Journal of Hazardous Materials, 2022, 425, 127774.	6.5	22
1911	Evaluation of microplastic and marine debris on the beaches of NiterÃ³i Oceanic Region, Rio De Janeiro, Brazil. Marine Pollution Bulletin, 2022, 175, 113161.	2.3	9
1912	Marine Plastic Pollution: Chemical Aspects and Possible Solutions. Current Topics in Environmental Health and Preventive Medicine, 2022, , 83-92.	0.1	3
1913	Nanoplastic Impact on the Gut-Brain Axis: Current Knowledge and Future Directions. International Journal of Molecular Sciences, 2021, 22, 12795.	1.8	16
1914	Model based estimate of transboundary litter pollution on Mediterranean coasts. Marine Pollution Bulletin, 2022, 175, 113121.	2.3	8
1915	Impacts of Micro- and Nanoplastics on Photosynthesis Activities of Photoautotrophs: A Mini-Review. Frontiers in Microbiology, 2021, 12, 773226.	1.5	6
1916	PHA Production from Cheese Whey and â€œScottaâ€• Comparison between a Consortium and a Pure Culture of Leuconostoc mesenteroides. Microorganisms, 2021, 9, 2426.	1.6	14
1917	A model for the size distribution of marine microplastics: A statistical mechanics approach. PLoS ONE, 2021, 16, e0259781.	1.1	12
1918	Incremento de la contaminaciÃ³n por microplÃ¡sticos en aguas superficiales de la bahÃa de Buenaventura, PacÃfico colombiano. Boletin De Investigaciones Marinas Y Costeras, 2021, 50, 113-132.	0.2	2

#	Article	IF	Citations
1919	From model to nature â€" A review on the transferability of marine (micro-) plastic fragmentation studies. Science of the Total Environment, 2022, 811, 151389.	3.9	24
1920	Widespread occurrence of microplastic pollution in open sea surface waters: Evidence from the mid-North Pacific Ocean. Gondwana Research, 2022, 108, 31-40.	3.0	20
1921	The Potential Role of Marine Fungi in Plastic Degradation â€" A Review. Frontiers in Marine Science, 2021, 8, .	1.2	42
1922	Assessing microplastic exposure of large marine filter-feeders. Science of the Total Environment, 2022, 818, 151815.	3.9	20
1924	A new paradigm for estimating the prevalence of plastic litter in the marine environment. Marine Pollution Bulletin, 2021, 173, 113127.	2.3	7
1925	The Menace of Single Use Plastics: Management and Challenges in the African Context. , 2022, , 1-21.		1
1926	Growing Menace of Microplastics in and Around the Coastal Ecosystem. Coastal Research Library, 2022, , 117-137.	0.2	5
1927	Effects of Dicyclohexyl Phthalate Exposure on PXR Activation and Lipid Homeostasis in Mice. Environmental Health Perspectives, 2021, 129, 127001.	2.8	15
1928	Plastic and natural inorganic microparticles do not differ in their effects on adult mussels (Mytilidae) from different geographic regions. Science of the Total Environment, 2022, 811, 151740.	3.9	10
1929	The Current State of Waste Plastic and Waste Rubber Tasks for the Sustainable Society. Nippon Gomu Kyokaishi, 2020, 93, 129-135.	0.0	0
1930	IDENTIFICATION OF PLASTIC PRODUCT BASED ON MICROPLASTIC COLLECTED FROM RIVER WATER AND RIVER BANK. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2020, 76, I_1351-I_1356.	0.0	0
1931	Chemicals, Ecology, and Reparative Justice. , 2021, , 34-69.		0
1932	Microplastics in the Food Chain: Food Safety and Environmental Aspects. Reviews of Environmental Contamination and Toxicology, 2021, 259, 1-49.	0.7	11
1933	Micro and Nano-Plastics in the Environment: Research Priorities for the Near Future. Reviews of Environmental Contamination and Toxicology, 2021, 257, 163-218.	0.7	8
1934	The micro-, submicron-, and nanoplastic hunt: A review of detection methods for plastic particles. Chemosphere, 2022, 293, 133514.	4.2	54
1935	Birds of a Feather Eat Plastic Together: High Levels of Plastic Ingestion in Great Shearwater Adults and Juveniles Across Their Annual Migratory Cycle. Frontiers in Marine Science, 2022, 8, .	1.2	7
1936	Plastics in the Indian Ocean â€" sources, transport, distribution, and impacts. Ocean Science, 2022, 18, 1-28.	1.3	41
1937	Enhanced microbial degradation of PET and PS microplastics under natural conditions in mangrove environment. Journal of Environmental Management, 2022, 304, 114273.	3.8	30

#	Article	IF	Citations
1938	Interactive effects of polymethyl methacrylate (PMMA) microplastics and salinity variation on a marine diatom Phaeodactylum tricornutum. Chemosphere, 2022, 289, 133240.	4.2	15
1939	Exploring consistency between stated and revealed preferences for the plastic bag ban policy in Chile. Waste Management, 2022, 139, 381-392.	3.7	7
1940	Global distribution of potential impact hotspots for marine plastic debris entanglement. Ecological Indicators, 2022, 135, 108509.	2.6	26
1941	Polystyrene nano/microplastics induce microbiota dysbiosis, oxidative damage, and innate immune disruption in zebrafish. Microbial Pathogenesis, 2022, 163, 105387.	1.3	32
1942	Investigating impact of physicochemical properties of microplastics on human health: A short bibliometric analysis and review. Chemosphere, 2022, 289, 133146.	4.2	50
1943	Photoaged polystyrene microplastics serve as photosensitizers that enhance cimetidine photolysis in an aqueous environment. Chemosphere, 2022, 290, 133352.	4.2	25
1944	Kinetics of microplastic generation from different types of mulch films in agricultural soil. Science of the Total Environment, 2022, 814, 152572.	3.9	83
1945	From bottle to microplastics: Can we estimate how our plastic products are breaking down?. Science of the Total Environment, 2022, 814, 152460.	3.9	30
1946	Physical and anthropogenic drivers shaping the spatial distribution of microplastics in the marine sediments of Chilean fjords. Science of the Total Environment, 2022, 814, 152506.	3.9	29
1947	Adsorption properties and influencing factors of Cu(II) on polystyrene and polyethylene terephthalate microplastics in seawater. Science of the Total Environment, 2022, 812, 152573.	3.9	49
1948	Using regional material flow analysis and geospatial mapping to support the transition to a circular economy for plastics. Resources, Conservation and Recycling, 2022, 179, 106085.	5.3	13
1949	A review on per- and polyfluorinated alkyl substances (PFASs) in microplastic and food-contact materials. Environmental Research, 2022, 206, 112595.	3.7	30
1950	Transformation of Plastic Solid Waste into Liquid Fuel. Scientific Inquiry and Review, 2021, 4, 1-13.	0.1	0
1951	Waste and Sewage. , 2020, , 75-95.		0
1952	Plastic Waste Management: Global Facts, Challenges and Solutions. , 2020, , .		3
1953	Lagrangian Methods for Visualizing and Assessing Frontal Dynamics of Floating Marine Litter with a Focus on Tidal Basins. Handbook of Environmental Chemistry, 2021, , 1.	0.2	2
1954	Dynamics of Transport, Accumulation, and Export of Plastics at Oceanic Fronts. Handbook of Environmental Chemistry, 2021, , 355-405.	0.2	5
1955	Self-propelled micro/nanomotors for removal of insoluble water contaminants: microplastics and oil spills. Environmental Science: Nano, 2021, 8, 3440-3451.	2.2	17

#	Article	IF	Citations
1956	Anthropogenic Microfibers are Highly Abundant at the Burdwood Bank Seamount, a Protected Sub-Antarctic Environment in the Southwestern Atlantic Ocean. SSRN Electronic Journal, 0, , .	0.4	0
1957	No man is an island: The sustainability awareness effect of geography on hedonic fashion consumption and connection with nature â€“ evidence from GalÃ¡pagos and HawaiÊ»i. Critical Studies in Men's Fashion, 2021, 8, 205-221.	0.1	0
1958	Emerging Issue of Microplastic in Sediments and Surface Water in South Asia: A Review of Status, Research Needs, and Data Gaps. Emerging Contaminants and Associated Treatment Technologies, 2022, , 3-19.	0.4	6
1959	Transforming the Global Plastics Economy: The Role of Economic Policies in the Global Governance of Plastic Pollution. Social Sciences, 2022, 11, 26.	0.7	21
1960	Bioaugmentation and biostimulation of dumpsites for plastic degradation. , 2022, , 9-23.		2
1961	Quantification and Characterisation of Pre-Production Pellet Pollution in the Avon-Heathcote Estuary/Ihutai, Aotearoa-New Zealand. Microplastics, 2022, 1, 67-84.	1.6	0
1962	Plastic in the inferno: Microplastic contamination in deep-sea cephalopods (Vampyroteuthis infernalis) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.3	29
1963	Plastic glut down a microbial gut. Polymer International, 0, , .	1.6	2
1964	A comprehensive review of the circulation of microplastics in aquatic ecosystem using scientometric method. Environmental Science and Pollution Research, 2022, 29, 30935-30953.	2.7	4
1965	Extracting microplastic decay rates from field data. Scientific Reports, 2022, 12, 1223.	1.6	2
1966	Applying Circular Economy to Construction Industry through Use of Waste Materials: A Review of Supplementary Cementitious Materials, Plastics, and Ceramics. Circular Economy and Sustainability, 2022, 2, 987-1020.	3.3	24
1967	A Mini-Review of Strategies for Quantifying Anthropogenic Activities in Microplastic Studies in Aquatic Environments. Polymers, 2022, 14, 198.	2.0	6
1968	Environmental pain with human beauty. , 2022, , 231-252.		0
1969	Advanced epithelial lung and gut barrier models demonstrate passage of microplastic particles. Microplastics and Nanoplastics, 2022, 2, .	4.1	23
1970	Screening for polystyrene nanoparticle toxicity on kidneys of adult male albino rats using histopathological, biochemical, and molecular examination results. Cell and Tissue Research, 2022, 388, 149-165.	1.5	11
1972	Low quantities of marine debris at the northern Ningaloo Marine Park, Western Australia, influenced by visitation and accessibility. Marine Pollution Bulletin, 2022, 174, 113294.	2.3	4
1975	Global sources, abundance, size, and distribution of microplastics in marine sediments - A critical review. Estuarine, Coastal and Shelf Science, 2022, 264, 107702.	0.9	39
1976	Biosynthesis of Polyhydroxyalkanoate Terpolymer from Methanol via the Reverse Î²-Oxidation Pathway in the Presence of Lanthanide. Microorganisms, 2022, 10, 184.	1.6	10

#	Article	IF	Citations
1977	Comparative Analysis of Plastic Pieces in Basin, River and Coast: Case Study in the Hikiji River Basin, Kanagawa Prefecture. Journal of Japan Society on Water Environment, 2022, 45, 11-19.	0.1	1
1978	Unmanned aerial vehicles and deep learning for assessment of anthropogenic marine debris on beaches on an island in a semi-enclosed sea in Japan. Environmental Research Communications, 2022, 4, 015003.	0.9	9
1979	Plastic pollution in marine and freshwater environments: abundance, sources, and mitigation. , 2022, , 241-274.		11
1980	Porous microplastics enhance polychlorinated biphenyls-induced thyroid disruption in juvenile Japanese flounder (Paralichthys olivaceus). Marine Pollution Bulletin, 2022, 174, 113289.	2.3	10
1981	Meta-analysis reveals differential impacts of microplastics on soil biota. Ecotoxicology and Environmental Safety, 2022, 230, 113150.	2.9	28
1982	Living in a bottle: Bacteria from sedimentâ€associated Mediterranean waste and potential growth on polyethylene terephthalate. MicrobiologyOpen, 2022, 11, e1259.	1.2	13
1983	Hemicellulose Application for the Production of Bioplastics and Biomaterials. Clean Energy Production Technologies, 2022, , 231-273.	0.3	4
1984	Occurrence, toxicity and remediation of polyethylene terephthalate plastics. A review. Environmental Chemistry Letters, 2022, 20, 1777-1800.	8.3	65
1985	Large quantities of small microplastics permeate the surface ocean to abyssal depths in the South Atlantic Gyre. Global Change Biology, 2022, 28, 2991-3006.	4.2	43
1986	Effects of polystyrene microplastic on the growth and volatile halocarbons release of microalgae Phaeodactylum tricornutum. Marine Pollution Bulletin, 2022, 174, 113197.	2.3	16
1987	The Ecotoxicological Effects of Microplastics on Trophic Levels of Aquatic Ecosystems. Emerging Contaminants and Associated Treatment Technologies, 2022, , 389-428.	0.4	3
1989	Road dust-associated microplastics from vehicle traffics and weathering. , 2022, , 257-271.		3
1990	Micro-Nano Plastic in the Aquatic Environment: Methodological Problems and Challenges. Animals, 2022, 12, 297.	1.0	21
1991	Nanoplastic Generation from Secondary PE Microplastics: Microorganism-Induced Fragmentation. Microplastics, 2022, 1, 85-101.	1.6	13
1992	Plastic accumulation during COVID-19: call for another pandemic; bioplastic a step towards this challenge?. Environmental Science and Pollution Research, 2022, 29, 11039-11053.	2.7	29
1993	Impacts of nanoplastics on life-history traits of marine rotifer (Brachionus plicatilis) are recovered after being transferred to clean seawater. Environmental Science and Pollution Research, 2022, 29, 42780-42791.	2.7	9
1994	Chemical coupling between oxidation and hydrolysis in polyamide 6 - A key aspect in the understanding of microplastic formation. Polymer Degradation and Stability, 2022, 197, 109851.	2.7	17
1995	Environmental and Economic Impacts of Mismanaged Plastics and Measures for Mitigation. Environments - MDPI, 2022, 9, 15.	1.5	26

#	Article	IF	Citations
1996	First evidence of presence of plastic debris in digestive system of Mola mola (L.) from western Mediterranean Sea. Marine Pollution Bulletin, 2022, 175, 113326.	2.3	1
1997	Microplastics and Macroplastic Debris as Potential Physical Vectors of SARS-CoV-2: A Hypothetical Overview with Implications for Public Health. Microplastics, 2022, 1, 156-166.	1.6	10
1998	Can anaerobic digestion be a suitable end-of-life scenario for biodegradable plastics? A critical review of the current situation, hurdles, and challenges. Biotechnology Advances, 2022, 56, 107916.	6.0	42
1999	Quorum Sensing Regulates Bacterial Processes That Play a Major Role in Marine Biogeochemical Cycles. Frontiers in Marine Science, 2022, 9, .	1.2	14
2000	The ingestion of large plastics by recreationally caught southern bluefin tuna Thunnus maccoyii off southern Australia. Marine Pollution Bulletin, 2022, 175, 113332.	2.3	4
2001	Ranking of potential hazards from microplastics polymers in the marine environment. Journal of Hazardous Materials, 2022, 429, 128399.	6.5	81
2002	Quantification of single use plastics waste generated in clinical dental practice and hospital settings. Journal of Dentistry, 2022, 118, 103948.	1.7	9
2003	Microplastic variability in subsurface water from the Arctic to Antarctica. Environmental Pollution, 2022, 298, 118808.	3.7	25
2004	Coagulation-flocculation performance and floc properties for microplastics removal by magnesium hydroxide and PAM. Journal of Environmental Chemical Engineering, 2022, 10, 107263.	3.3	17
2005	Impacts of low concentrations of nanoplastics on leaf litter decomposition and food quality for detritivores in streams. Journal of Hazardous Materials, 2022, 429, 128320.	6.5	22
2006	Effects of polyethylene microplastics on cell membranes: A combined study of experiments and molecular dynamics simulations. Journal of Hazardous Materials, 2022, 429, 128323.	6.5	42
2007	Global marine litter research 2015â€“2020: Geographical and methodological trends. Science of the Total Environment, 2022, 820, 153162.	3.9	37
2008	Microplastics waste in environment: A perspective on recycling issues from PPE kits and face masks during the COVID-19 pandemic. Environmental Technology and Innovation, 2022, 26, 102290.	3.0	71
2009	Classification and identification of polar pollutants on microplastics from freshwater using nontarget screening strategy. Science of the Total Environment, 2022, 822, 153468.	3.9	4
2010	Microplastics in ecosystems: their implications and mitigation pathways. Environmental Science Advances, 2022, 1, 9-29.	1.0	27
2012			

#	Article	IF	Citations
2016	Impact of Ocean Warming, Overfishing and Mercury on European Fisheries: A Risk Assessment and Policy Solution Framework. Frontiers in Marine Science, 2022, 8, .	1.2	23
2017	The impact of marine debris on cetaceans with consideration of plastics generated by the COVID-19 pandemic. Environmental Pollution, 2022, 300, 118967.	3.7	20
2018	Spatial Distribution and Composition of Surface Microplastics in the Southwestern South China Sea. Frontiers in Marine Science, 2022, 9, .	1.2	1
2019	Fate of plastic in the environment: From macro to nano by macrofauna. Environmental Pollution, 2022, 300, 118920.	3.7	19
2020	Predicting the global environmental distribution of plastic polymers. Environmental Pollution, 2022, 300, 118966.	3.7	11
2021	Environmental contamination by microplastics originating from textiles: Emission, transport, fate and toxicity. Journal of Hazardous Materials, 2022, 430, 128453.	6.5	23
2022	Marine biofouling organisms on beached, buoyant and benthic plastic debris in the Catalan Sea. Marine Pollution Bulletin, 2022, 175, 113405.	2.3	20
2023	Polystyrene micro-/nanoplastics induced hematopoietic damages via the crosstalk of gut microbiota, metabolites, and cytokines. Environment International, 2022, 161, 107131.	4.8	46
2024	Combined toxicity of microplastic and lead on submerged macrophytes. Chemosphere, 2022, 295, 133956.	4.2	22
2025	The underestimated toxic effects of nanoplastics coming from marine sources: A demonstration on oysters (Isognomon alatus). Chemosphere, 2022, 295, 133824.	4.2	17
2026	Highly effective removal of microplastics by microalgae Scenedesmus abundans. Chemical Engineering Journal, 2022, 435, 135079.	6.6	36
2027	Incorporating terrain specific beaching within a lagrangian transport plastics model for Lake Erie. Microplastics and Nanoplastics, 2021, 1, 19.	4.1	5
2028	Decadal vision in oceanography 2021: New methods and problems. Oceanography in Japan, 2021, 30, 227-253.	0.5	5
2029	The Underestimated Toxic Effects of Nanoplastics Coming from Marine Sources: A Demonstration on Oysters (Isognomon Alatus). SSRN Electronic Journal, 0, , .	0.4	0
2030	Highly Effective Removal of Microplastics by Microalgae Scenedesmus Abundans. SSRN Electronic Journal, 0, , .	0.4	0
2031	Ultra-Tough and Strong Pla Nanocomposites Reinforced by Uv-Crosslinked In-Situ Epdm Nanofibrils with Outstanding Foaming and Thermally-Insulating Performance. SSRN Electronic Journal, 0, , .	0.4	0
2032	Soil under stress: The importance of soil life and how it is influenced by (micro)plastic pollution. Computational and Structural Biotechnology Journal, 2022, 20, 1554-1566.	1.9	30
2033	An Integrative Assessment of the Plastic Debris Load in the Mediterranean Sea. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	Citations
2034	Preliminary screening of microplastic contamination in different marine fish species of Taif market, Saudi Arabia. Open Life Sciences, 2022, 17, 333-343.	0.6	4
2035	Physico-chemical factors regulating marine benthos structure and function. , 2022, , 209-250.		0
2036	Microplastics in Freshwater Ecosystems. , 2022, , 235-252.		0
2038	Marine plastics: whatâ€™s wrong with them?. , 2022, , 1-29.		0
2039	Microplastic Characterization by Infrared Spectroscopy. , 2022, , 79-111.		0
2040	Sorption of Potentially Toxic Elements to Microplastics. , 2022, , 625-640.		0
2041	Plastic Debris Flowing from Rivers to Oceans: The Role of the Estuaries as a Complex and Poorly Understood Key Interface. , 2022, , 253-280.		0
2042	Microplastics in Polar Samples. , 2022, , 281-322.		1
2043	Microplastic Fate and Impacts in the Environment. , 2022, , 757-779.		0
2044	Perspectives on marine plastics. , 2022, , 307-326.		0
2045	Chem/Bio Sensors for Marine Applications. , 2022, , .		0
2046	Assessment of Communityâ€™s Perception Toward Single-Use Plastic Shopping Bags and Use of Alternative Bags in Jimma Town, Ethiopia. Environmental Health Insights, 2022, 16, 117863022210850.	0.6	8
2047	Le continent oubliÃ©. LumiÃ¨res et zones dâ€™ombre des recherches sur la dissÃ©mination des plastiques. Natures Sciences Societes, 2022, , .	0.1	0
2048	Determining the appropriate number of particles on a filter to allow small microplastics to be analyzed by microscopy. MethodsX, 2022, 9, 101646.	0.7	3
2049	What are smallâ€size microplastic distributions telling us?. Global Change Biology, 2022, 28, 2843-2845.	4.2	1
2050	Manifesting sustainable food packaging from biodegradable materials: A review. Environmental Quality Management, 2022, 32, 379-396.	1.0	2
2051	Is It All About the Data? How Extruded Polystyrene Escaped Single-Use Plastic Directive Market Restrictions. Frontiers in Marine Science, 2022, 8, .	1.2	2
2052	Microplastics in the Mediterranean marine environment: a combined bibliometric and systematic analysis to identify current trends and challenges. Microplastics and Nanoplastics, 2022, 2, .	4.1	10

#	Article	IF	Citations
2053	Sustainability Assessment in Manufacturing for Effectiveness: Challenges and Opportunities. Frontiers in Sustainability, 2022, 3, .	1.3	4
2054	Abundance and characteristics of microplastics in gastrointestinal tracts and gills of croaker fish (Johnius dussumieri) from off Mumbai coastal waters of India. Marine Pollution Bulletin, 2022, 176, 113473.	2.3	9
2055	Recycled Polyethylene Fibres for Structural Concrete. Applied Sciences (Switzerland), 2022, 12, 2867.	1.3	5
2056	Micro(nano)plastics Prevalence, Food Web Interactions, and Toxicity Assessment in Aquatic Organisms: A Review. Frontiers in Marine Science, 2022, 9, .	1.2	51
2057	Starch/Polyaniline Biopolymer Film as Potential Intelligent Food Packaging with Colourimetric Ammonia Sensor. Polymers, 2022, 14, 1122.	2.0	11
2058	Microplastics in the surface sediments of Krossfjord-Kongsfjord system, Svalbard, Arctic. Marine Pollution Bulletin, 2022, 176, 113452.	2.3	16
2059	Microplastics in the Mediterranean: Variability From Observations and Model Analysis. Frontiers in Marine Science, 2022, 9, .	1.2	10
2060	Aged Plastic Leaching of Dissolved Organic Matter Is Two Orders of Magnitude Higher Than Virgin Plastic Leading to a Strong Uplift in Marine Microbial Activity. Frontiers in Marine Science, 2022, 9, .	1.2	23
2061	Yellowing, Weathering and Degradation of Marine Pellets and Their Influence on the Adsorption of Chemical Pollutants. Polymers, 2022, 14, 1305.	2.0	13
2062	A Low-Cost Microfluidic Method for Microplastics Identification: Towards Continuous Recognition. Micromachines, 2022, 13, 499.	1.4	16
2063	A screening-level human health risk assessment for microplastics and organic contaminants in near-shore marine environments in American Samoa. Heliyon, 2022, 8, e09101.	1.4	11
2064	Lagrangian Modeling of Marine Microplastics Fate and Transport: The State of the Science. Journal of Marine Science and Engineering, 2022, 10, 481.	1.2	13
2066	Insights into microbial diversity on plastisphere by multi-omics. Archives of Microbiology, 2022, 204, 216.	1.0	5
2067	Microplastic uptake and gut retention time in Japanese anchovy (Engraulis japonicus) under laboratory conditions. Marine Pollution Bulletin, 2022, 176, 113433.	2.3	8
2068	Removing microplastics from wastewater using leading-edge treatment technologies: a solution to microplastic pollutionâ€"a review. Bioprocess and Biosystems Engineering, 2023, 46, 309-321.	1.7	18
2069	A Rapid Method for Detecting Microplastics Based on Fluorescence Lifetime Imaging Technology (FLIM). Toxics, 2022, 10, 118.	1.6	18
2071	Floating microplastic loads in the nearshore revealed through citizen science. Environmental Research Letters, 2022, 17, 045018.	2.2	8
2072	Spatiotemporal dynamics of microplastics burden in River Ravi, Pakistan. Journal of Environmental Chemical Engineering, 2022, 10, 107652.	3.3	15

#	Article	IF	Citations
2073	Assessment of microplastic and trace element pollution in the southeastern Mediterranean coasts, Egypt, using shellfish Arca noae as a bioindicator. Marine Pollution Bulletin, 2022, 177, 113493.	2.3	12
2074	Seasonal deposition of marine debris on an important marine turtle nesting beach in Costa Rica. Marine Pollution Bulletin, 2022, 177, 113525.	2.3	2
2075	High poly Îµ-caprolactone biodegradation activity by a new Acinetobacter seifertii isolate. Folia Microbiologica, 2022, 67, 659-669.	1.1	3
2076	Fishing for Litter: Creating an Economic Market for Marine Plastics in a Sustainable Fisheries Model. Frontiers in Marine Science, 2022, 9, .	1.2	4
2077	Baseline study of trace metal concentrations in abandoned, lost or otherwise discarded fishing gear along Thondi coast, Palk Bay, India. Journal of Sea Research, 2022, 182, 102189.	0.6	5
2078	Microplastics ingestion induces plasticity in digestive morphology in larvae of Xenopus laevis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2022, 269, 111210.	0.8	8
2079	Widespread microplastic pollution across the Caribbean Sea confirmed using queen conch. Marine Pollution Bulletin, 2022, 178, 113582.	2.3	8
2080	Rapid flocculation and settling of positively buoyant microplastic and fine-grained sediment in natural seawater. Marine Pollution Bulletin, 2022, 178, 113619.	2.3	14
2081	Optimization on hybrid energy vessel routing and energy management for floating marine debris cleanup. Transportation Research Part C: Emerging Technologies, 2022, 138, 103649.	3.9	2
2082	Biocatalytic oxidation of polyethylene by Agrocybe aegerita mycelium. Polymer Degradation and Stability, 2022, 199, 109911.	2.7	9
2083	Impact of mechanical and thermo-chemical pretreatments to enhance anaerobic digestion of poly(lactic acid). Chemosphere, 2022, 297, 133986.	4.2	21
2084	Sources and fate of atmospheric microplastics revealed from inverse and dispersion modelling: From global emissions to deposition. Journal of Hazardous Materials, 2022, 432, 128585.	6.5	33
2085	Microplastics: A major source of phthalate esters in aquatic environments. Journal of Hazardous Materials, 2022, 432, 128731.	6.5	50
2086	Extending biopolyesters circularity by using natural stabilizers: A review on the potential of polyphenols to enhance Poly(hydroxyalkanoates) thermal stability while preserving its biodegradability. Polymer Testing, 2022, 110, 107561.	2.3	12
2087	Plastic leachates: Bridging the gap between a conspicuous pollution and its pernicious effects on marine life. Science of the Total Environment, 2022, 826, 154091.	3.9	27
2088	Rivers of waste: Anthropogenic litter in intermittent Sardinian rivers, Italy (Central Mediterranean). Environmental Pollution, 2022, 302, 119073.	3.7	10
2089	The fate of missing ocean plastics: Are they just a marine environmental problem?. Science of the Total Environment, 2022, 825, 153935.	3.9	47
2090	A comprehensive review on integrative approach for sustainable management of plastic waste and its associated externalities. Science of the Total Environment, 2022, 825, 153973.	3.9	72

#	Article	IF	Citations
2091	Internalization, reduced growth, and behavioral effects following exposure to micro and nano tire particles in two estuarine indicator species. Chemosphere, 2022, 296, 133934.	4.2	28
2092	Polystyrene nanoplastics penetrate across the blood-brain barrier and induce activation of microglia in the brain of mice. Chemosphere, 2022, 298, 134261.	4.2	103
2093	Global transportation of plastics and microplastics: A critical review of pathways and influences. Science of the Total Environment, 2022, 831, 154884.	3.9	41
2094	Estimating global marine surface microplastic abundance: systematic literature review. Science of the Total Environment, 2022, 832, 155064.	3.9	29
2095	Advanced analytical, chemometric, and genomic tools to identify polymer degradation products and potential microbial consumers in wastewater environments. Chemical Engineering Journal, 2022, 442, 136175.	6.6	10
2096	Numerical Tracking of Floating Marine Plastic in the Sea of Japan Using Time-backward Probabilistic Method. , 2021, , .		0
2097	Application of Life Cycle Assessments in Waste Management. , 2021, , .		1
2098	Tracking the Stranded Area of Marine Debris in Indonesian coasts by using Floating Drifter. IOP Conference Series: Earth and Environmental Science, 2021, 925, 012034.	0.2	2
2099	Liquid lifestyles, mobile dreams. The threefold liquidity of a surfer-traveller lifestyle. Annals of Leisure Research, 2023, 26, 584-600.	1.0	0
2100	The abundance, characteristics and diversity of microplastics in the South China Sea: Observation around three remote islands. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	3.3	5
2101	Model estimates of microplastic potential contamination pattern of the eastern Gulf of Finland in 2018. Oceanologia, 2023, 65, 86-99.	1.1	5
2102	Sandwich-Structured, Hydrophobic, Nanocellulose-Reinforced Polyvinyl Alcohol as an Alternative Straw Material. Polymers, 2021, 13, 4447.	2.0	8
2103	How to establish a sustainable sea area governance mechanism? The case of marine waste. International Journal of Sustainable Development and World Ecology, 2022, 29, 323-337.	3.2	5
2105	IÅŸÄ±nlÄ± Ä°nci Ä°stiridyesi Pinctada imbricata radiataâ€™da Mikroplastik VarlÄ±ÄŸÄ±. Journal of Anatolian Environmental and Animal Sciences, 0, , .	0.2	1
2106	MICROPLASTICS IN LANDFILL LEACHATES IN THREE NORDIC COUNTRIES. Detritus, 2021, , 58-70.	0.4	11
2108	Sedimentary records of microplastic pollution from coastal Louisiana and their environmental implications. Journal of Coastal Conservation, 2022, 26, 1.	0.7	9
2109	Importation of plastic fragments into a seabird colony: accident or design, threat or benign?. Bird Conservation International, 2022, 32, 641-654.	0.7	1
2110	Characterization of Polyhydroxybutyrate-Based Composites Prepared by Injection Molding. Polymers, 2021, 13, 4444.	2.0	3

#	Article	IF	Citations
2112	Proposing a new solution for marine debris by utilizing on-board low-temperature eco-friendly pulverization system. Scientific Reports, 2021, 11, 24364.	1.6	1
2114	Industrial chemicals as micropollutants in the environment. , 2022, , 13-44.		0
2115	Identification of BgP, a Cutinase-Like Polyesterase From a Deep-Sea Sponge-Derived Actinobacterium. Frontiers in Microbiology, 2022, 13, 888343.	1.5	12
2116	A Meta-Analysis of the Characterisations of Plastic Ingested by Fish Globally. Toxics, 2022, 10, 186.	1.6	19
2117	Microplastic ingestion by commercial marine fish from the seawater of Northwest Peninsular Malaysia. PeerJ, 2022, 10, e13181.	0.9	16
2118	Structure and activity of marine bacterial communities responding to plastic leachates. Science of the Total Environment, 2022, 834, 155264.	3.9	18
2119	Microfiber shedding from nonwoven materials including wipes and meltblown nonwovens in air and water environments. Environmental Science and Pollution Research, 2022, 29, 60584-60599.	2.7	6
2120	Weathering indices of microplastics along marine and coastal sediments from the harbor of Cartagena (Spain) and its adjoining urban beach. Marine Pollution Bulletin, 2022, 178, 113647.	2.3	15
2121	Composition and spatial distribution of floating plastic debris along the estuarine ecocline of a subtropical coastal lagoon in the Western Atlantic. Marine Pollution Bulletin, 2022, 179, 113648.	2.3	8
2122	The evolving global plastics policy landscape: An inventory and effectiveness review. Environmental Science and Policy, 2022, 134, 34-45.	2.4	31
2125	Securing the Natural Gas Boom. , 2018, , 19-40.		0
2126	Methods for Following Chemicals. , 2018, , 41-63.		0
2127	HEIRship. , 2018, , 64-85.		0
2128	Stimulating Debate. , 2018, , 86-114.		0
2129	Industrial Relations and an Introduction to STS in Practice. , 2018, , 115-136.		0
2130	ExtrAct. , 2018, , 137-164.		0
2131	Landman Report Card. , 2018, , 165-190.		0
2132	From LRC to WellWatch. , 2018, , 191-218.		0

#	Article	IF	Citations
2133	WellWatch. , 2018, , 219-246.		0
2134	The Fossil-Fuel Connectionwith coauthor Len Albright. , 2018, , 247-278.		0
2183	In Vitro Toxicity Assessment of Polyethylene Terephthalate and Polyvinyl Chloride Microplastics Using Three Cell Lines from Rainbow Trout (Oncorhynchus Mykiss). SSRN Electronic Journal, 0, , .	0.4	0
2184	Degradation of ecosystems and loss of ecosystem services. , 2022, , 281-327.		6
2185	Edible Packaging Selection Employing Hybrid CRITIC and TOPSIS Method. , 2022, , .		2
2186	Modelling submerged biofouled microplastics and their vertical trajectories. Biogeosciences, 2022, 19, 2211-2234.	1.3	22
2187	Three-Dimensional Dispersion of Neutral â€œPlasticâ€•Particles in a Global Ocean Model. Frontiers in Analytical Science, 2022, 2, .	1.1	9
2188	Consumer attitudes and concerns with bioplastics use: An international study. PLoS ONE, 2022, 17, e0266918.	1.1	21
2190	Flow Cytometry as a Rapid Alternative to Quantify Small Microplastics in Environmental Water Samples. Water (Switzerland), 2022, 14, 1436.	1.2	14
2191	Pollution Indicators and HAB-Associated Halophilic Bacteria Alongside Harmful Cyanobacteria in the Largest Mussel Cultivation Area in Greece. International Journal of Environmental Research and Public Health, 2022, 19, 5285.	1.2	9
2192	Seasonal evaluation of floating microplastics in a shallow Mediterranean coastal lagoon: Abundance, distribution, chemical composition, and influence of environmental factors. Estuarine, Coastal and Shelf Science, 2022, 272, 107859.	0.9	10
2194	Biosensor and chemo-enzymatic one-pot cascade applications to detect and transform PET-derived terephthalic acid in living cells. IScience, 2022, 25, 104326.	1.9	16
2195	Photocatalytic strategy to mitigate microplastic pollution in aquatic environments: Promising catalysts, efficiencies, mechanisms, and ecological risks. Critical Reviews in Environmental Science and Technology, 2023, 53, 504-526.	6.6	16
2196	Analysis of Plastic-Derived Fuel Oil Produced from High- and Low-Density Polyethylene. Recycling, 2022, 7, 29.	2.3	3
2197	Assessing exposure of the Australian population to microplastics through bottled water consumption. Science of the Total Environment, 2022, 837, 155329.	3.9	26
2198	Standing stock and daily accumulation of beach litter in KwaZulu-Natal, South Africa. Regional Studies in Marine Science, 2022, , 102421.	0.4	0
2199	Shorebirds ingest plastics too: what we know, what we do not know, and what we should do next. Environmental Reviews, 2022, 30, 537-551.	2.1	7
2200	The influence of coastal geomorphology and human activity on plastic debris distribution on a micro-tidal recreational beach on the north coast of Trinidad. Journal of Coastal Conservation, 2022, 26, 1.	0.7	1

#	Article	IF	Citations
2201	Microplastic Pollution Focused on Sources, Distribution, Contaminant Interactions, Analytical Methods, and Wastewater Removal Strategies: A Review. International Journal of Environmental Research and Public Health, 2022, 19, 5610.	1.2	21
2203	Microplastics in the Deep: Comparing Dietary and Plastic Ingestion Data between Two Mediterranean Bathyal Opportunistic Feeder Species, Galeus melastomus, Rafinesque, 1810 and Coelorinchus caelorhincus (Risso, 1810), through Stomach Content Analysis. Journal of Marine Science and Engineering, 2022, 10, 624.	1.2	16
2204	Oceanic plastic pollution caused by Danish seine fishing in Norway. Marine Pollution Bulletin, 2022, 179, 113711.	2.3	10
2205	Genomic analysis of Thalassospira sp. SW-3-3 reveals its genetic potential for phthalate pollution remediation. Marine Genomics, 2022, 63, 100953.	0.4	0
2206	Disturbed Gut-Liver axis indicating oral exposure to polystyrene microplastic potentially increases the risk of insulin resistance. Environment International, 2022, 164, 107273.	4.8	58
2207	Can we quantify the aquatic environmental plastic load from aquaculture?. Water Research, 2022, 219, 118551.	5.3	52
2208	Effects of microplastics on greenhouse gas emissions and microbial communities in sediment of freshwater systems. Journal of Hazardous Materials, 2022, 435, 129030.	6.5	38
2209	Discrepancy strategies of sediment abundant and rare microbial communities in response to floating microplastic disturbances: Study using a microcosmic experiment. Science of the Total Environment, 2022, 835, 155346.	3.9	22
2210	Anthropogenic microfibers are highly abundant at the Burdwood Bank seamount, a protected sub-Antarctic environment in the Southwestern Atlantic Ocean. Environmental Pollution, 2022, 306, 119364.	3.7	6
2211	Plastic ingestion in Asian elephants in the forested landscapes of Uttarakhand, India. Journal for Nature Conservation, 2022, 68, 126196.	0.8	6
2212	An integrative assessment of the plastic debris load in the Mediterranean Sea. Science of the Total Environment, 2022, 838, 155958.	3.9	15
2213	Identification and toxicity towards aquatic primary producers of the smallest fractions released from hydrolytic degradation of polycaprolactone microplastics. Chemosphere, 2022, 303, 134966.	4.2	14
2214	Relative exposure to microplastics and prey for a pelagic forage fish. Environmental Research Letters, 2022, 17, 064038.	2.2	3
2215	An appraisal of early stage biofilm-forming bacterial community assemblage and diversity in the Arabian Sea, India. Marine Pollution Bulletin, 2022, 180, 113732.	2.3	11
2216	Sustainable Supply Chain Management and Life Below Water. Encyclopedia of the UN Sustainable Development Goals, 2022, , 988-1004.	0.0	0
2217	Plastics and Oceans: A Socio-ecological Perspective. Encyclopedia of the UN Sustainable Development Goals, 2022, , 833-843.	0.0	0
2218	Molded fiber and pulp products as green and sustainable alternatives to plastics: A mini review. Journal of Bioresources and Bioproducts, 2022, 7, 14-25.	11.8	45
2219	A new look at the potential role of marine plastic debris as a global vector of toxic benthic algae. Science of the Total Environment, 2022, 838, 156262.	3.9	10

#	Article	IF	Citations
2220	The role of the unsteady surface waveâ€driven Ekmanâ€“Stokes flow in the accumulation of floating marine litter. Journal of Geophysical Research: Oceans, 0, , .	1.0	4
2221	The extended avian urban phenotype: anthropogenic solid waste pollution, nest design, and fitness. Science of the Total Environment, 2022, 838, 156034.	3.9	16
2222	Microplasticsâ€™ Occurrence in Edible Fish Species (Mullus barbatus and M. surmuletus) from an Italian Marine Protected Area. Microplastics, 2022, 1, 291-302.	1.6	1
2223	Distribution characteristics of microplastics in surface and subsurface Antarctic seawater. Science of the Total Environment, 2022, 838, 156051.	3.9	11
2224	Exploring and Addressing the User Acceptance Issues Embedded in the Adoption of Reusable Packaging Systems. Sustainability, 2022, 14, 6146.	1.6	8
2225	Ocean sediments as the global sink for marine microâ€and mesoplastics. Limnology and Oceanography Letters, 2022, 7, 235-243.	1.6	23
2226	Tracking the exposure of a pelagic seabird to marine plastic pollution. Marine Pollution Bulletin, 2022, 180, 113767.	2.3	1
2227	Migration of terephthalate from scraps of poly(ethylene terephthalate) (PET) in water and artificial seawater. Science of the Total Environment, 2022, 838, 156053.	3.9	1
2228	A Little for Long or a Lot for Short? Revealing the Harmful of Chronic and Acute Microplastic Exposures on a Coastal Filter Feeder Crab. SSRN Electronic Journal, 0, , .	0.4	0
2229	Plastic is a Widely Used and Preferentially Chosen Nest Material for Birds in Rural Woodland Habitats. SSRN Electronic Journal, 0, , .	0.4	1
2234	Predicting Drifting Polystyrene Degradation in World Oceans Based on Thermal Decomposition. ACS ES&T Water, 2022, 2, 1976-1983.	2.3	1
2235	The streaming of plastic in the Mediterranean Sea. Nature Communications, 2022, 13, .	5.8	24
2236	Constraining Microplastic Particle Emission Flux from the Ocean. Environmental Science and Technology Letters, 2022, 9, 513-519.	3.9	13
2237	In-Stream Marine Litter Collection Device Location Determination Using Bayesian Network. Sustainability, 2022, 14, 6147.	1.6	3
2238	<scp>Drosophila melanogaster</scp> as a dynamic in vivo model organism reveals the hidden effects of interactions between microplastic/nanoplastic and heavy metals. Journal of Applied Toxicology, 2023, 43, 212-219.	1.4	10
2239	Impact of plastic bags usage in food commodities: an irreversible loss to environment. Environmental Science and Pollution Research, 2022, 29, 49483-49489.	2.7	5
2240	Huge quantities of microplastics are â€œhiddenâ€•in the sediment of China's largest urban lakeâ€”Tangxun Lake. Environmental Pollution, 2022, 307, 119500.	3.7	24
2241	Effects of pristine or contaminated polyethylene microplastics on zebrafish development. Chemosphere, 2022, 303, 135198.	4.2	16

#	Article	IF	Citations
2242	Biopolymers production from microalgae and cyanobacteria cultivated in wastewater: Recent advances. Biotechnology Advances, 2022, 60, 107999.	6.0	40
2243	Combined effects of polyethylene spiked with the antimicrobial triclosan on the swamp ghost crab (Ucides cordatus; Linnaeus, 1763). Chemosphere, 2022, 304, 135169.	4.2	11
2244	Spatial distribution of microplastics in the tropical Indian Ocean based on laser direct infrared imaging and microwave-assisted matrix digestion. Environmental Pollution, 2022, 307, 119547.	3.7	18
2245	Temporal patterns of plastic contamination in surface waters at the SS Yongala shipwreck, Great Barrier Reef, Australia. Environmental Pollution, 2022, 307, 119545.	3.7	2
2246	First assessment of microplastic and artificial microfiber contamination in surface waters of the Amazon Continental Shelf. Science of the Total Environment, 2022, 839, 156259.	3.9	12
2247	Impacts of microplastics and carbamazepine on the shell formation of thick-shell mussels and the underlying mechanisms of action. Science of the Total Environment, 2022, 838, 156442.	3.9	17
2248	Occurrence, characterization, and source delineation of microplastics in the coastal waters and shelf sediments of the central east coast of India, Bay of Bengal. Chemosphere, 2022, 303, 135135.	4.2	15
2249	Microalgae: a promising tool for plastic degradation. , 2022, , 575-587.		0
2250	Microbial bioremediation of polythene and plastics: a green sustainable approach. , 2022, , 547-561.		0
2251	Microplastics interact with SARS-CoV-2 and facilitate host cell infection. Environmental Science: Nano, 2022, 9, 2653-2664.	2.2	9
2252	Research Progress in the Study of Microplastics on Toxic Effects on Bivalve Mollusks. Advances in Environmental Protection, 2022, 12, 543-553.	0.0	0
2253	Adidasâ€‰Ã—â€‰Parley: An Exploration of Corporate Social Responsibility and the Global Plastic Crisis. Case Studies in Sport Management, 2022, 11, S19-S24.	0.1	0
2254	Microplastic in Commercial Fish in the Mediterranean Sea, the Red Sea and the Arabian/Persian Gulf. Part 3. The Arabian/Persian Gulf. Journal of Water Resource and Protection, 2022, 14, 474-500.	0.3	4
2255	Plastic Interactions with Pollutants and Consequences to Aquatic Ecosystems: What We Know and What We Do Not Know. Biomolecules, 2022, 12, 798.	1.8	18
2256	Are bivalves a source of microplastics for humans? A case study in the Brazilian markets. Marine Pollution Bulletin, 2022, 181, 113823.	2.3	9
2257	Sustainable Poly(butylene adipate-co-furanoate) Composites with Sulfated Chitin Nanowhiskers: Synergy Leading to Superior Robustness and Improved Biodegradation. ACS Sustainable Chemistry and Engineering, 2022, 10, 8411-8422.	3.2	12
2258	Ecotoxic effects of microplastics and contaminated microplastics â€“ Emerging evidence and perspective. Science of the Total Environment, 2022, 841, 156593.	3.9	17
2259	Sources and Pathways of Marine Litter. Health Information Systems and the Advancement of Medical Practice in Developing Countries, 2022, , 1-27.	0.1	1

#	Article	IF	Citations
2260	Seasonal patterns of microplastics in surface sediments of a Mediterranean lagoon heavily impacted by human activities (Bizerte lagoon, Northern Tunisia). Environmental Science and Pollution Research, 2022, 29, 76919-76936.	2.7	6
2261	The governance of plastic in India: towards a just transition for recycling in the unorganised sector. Local Environment, 2022, 27, 1394-1413.	1.1	4
2262	Plastics in the environment as potential threat to life: an overview. Environmental Science and Pollution Research, 2022, 29, 56928-56947.	2.7	17
2263	Harmful effects of the microplastic pollution on animal health: a literature review. PeerJ, 0, 10, e13503.	0.9	43
2264	Study of the Potential Impact of Microplastics and Additives on Human Health. Health Information Systems and the Advancement of Medical Practice in Developing Countries, 2022, , 128-147.	0.1	1
2265	Marine Pollution by Microplastics in the Mediterranean Sea. Journal of Marine Science and Engineering, 2022, 10, 858.	1.2	4
2266	Implication of microplastic toxicity on functioning of microalgae in aquatic system. Environmental Pollution, 2022, 308, 119626.	3.7	24
2267	Exploring the Potential of Algae in the Mitigation of Plastic Pollution in Aquatic Environments. Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 501-523.	0.4	2
2268	Development and Validation of a New Questionnaire to Measure Knowledge Level of Street Food Hawkers to Support the Single-Use Plastics Reduction Program in Kelantan, Malaysia. Sustainability, 2022, 14, 7552.	1.6	0
2269	A baseline study of meso and microplastic predominance in pristine beach sediment of the Indian tropical island ecosystem. Marine Pollution Bulletin, 2022, 181, 113825.	2.3	13
2270	Polyhydroxyalkanoates (PHAs) Production From Microalgae Cultivated in Wastewater. Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 585-609.	0.4	2
2271	Temporal and Spatial Evaluation of Mono(2-ethylhexyl) Phthalate (MEHP) Detection in Common Bottlenose Dolphins (Tursiops truncatus) from Sarasota Bay, Florida, USA. Oceans, 2022, 3, 231-249.	0.6	1
2272	Spatio-temporal contamination of microplastics in shellfish farming regions: A case study. Marine Pollution Bulletin, 2022, 181, 113842.	2.3	5
2273	First evidence of plastic pollution in beach sediments of the Skikda coast (northeast of Algeria). Marine Pollution Bulletin, 2022, 181, 113831.	2.3	8
2274	Quantification and characterization of plastics in near-shore surface waters of Atlantic Canada. Marine Pollution Bulletin, 2022, 181, 113869.	2.3	5
2275	A review on microplastics and nanoplastics in the environment: Their occurrence, exposure routes, toxic studies, and potential effects on human health. Marine Pollution Bulletin, 2022, 181, 113832.	2.3	104
2276	Insights into the Characteristics, Adsorption, and Desorption Behaviors of Polylactic Acid Aged with or without Salinities. Journal of Environmental Engineering, ASCE, 2022, 148, .	0.7	2
2277	Plant species-specific impact of polyethylene microspheres on seedling growth and the metabolome. Science of the Total Environment, 2022, 840, 156678.	3.9	24

#	Article	IF	Citations
2278	Simulation of the transport of marine microplastic particles in the Ionian Archipelago (NE Ionian Sea) using a Lagrangian model and the control mechanisms affecting their transport. Journal of Hazardous Materials, 2022, 437, 129349.	6.5	8
2279	Early evidence of the impacts of microplastic and nanoplastic pollution on the growth and physiology of the seagrass Cymodocea nodosa. Science of the Total Environment, 2022, 838, 156514.	3.9	17
2280	Physical-Mechanical properties of wood based composite reinforced with recycled polypropylene and cowpea (Vigna unguiculata Walp.) husk. Cleaner Materials, 2022, 5, 100101.	1.9	4
2281	Liberation of plastic nanoparticles and organic compounds from three common plastics in water during weathering under UV radiation-free conditions. Science of the Total Environment, 2022, 842, 156859.	3.9	5
2282	Heavy metal remediation from wastewater using microalgae: Recent advances and future trends. Chemosphere, 2022, 305, 135375.	4.2	39
2283	Microplastics contamination in bivalves from the Daya Bay: Species variability and spatio-temporal distribution and human health risks. Science of the Total Environment, 2022, 841, 156749.	3.9	31
2285	Ingested Polystyrene Microplastics as a Carrier of Heavy Metals (Cadmium or Silver): Uptake, Gut Damage, Oxidative Stress, and DNA Damage InÂDrosophilaÂLarvae. SSRN Electronic Journal, 0, , .	0.4	0
2286	Microplastics Pollution and its Potential Correlation between and Environmental Factors in Daya Bay, South China Sea. SSRN Electronic Journal, 0, , .	0.4	0
2287	Toxic Organic Micropollutants and Associated Health Impacts. Emerging Contaminants and Associated Treatment Technologies, 2022, , 205-217.	0.4	1
2288	Challenges and solutions in COVID-19 related pandemic solid waste management (PSWM) - A detailed analysis with special focus on plastic waste. IOP Conference Series: Earth and Environmental Science, 2022, 1032, 012029.	0.2	0
2289	Microplastics in the Gulf of Mexico: A Birdâ€™s Eye View. Sustainability, 2022, 14, 7849.	1.6	2
2290	Molecular Modeling Approaches Can Reveal the Molecular Interactions Established between a Biofilm and the Bioactive Compounds of the Essential Oil of Piper divaricatum. Molecules, 2022, 27, 4199.	1.7	4
2291	Raman Microspectroscopy Detection and Characterisation of Microplastics in Human Breastmilk. Polymers, 2022, 14, 2700.	2.0	190
2292	Does parental exposure to nanoplastics modulate the response of Hediste diversicolor to other contaminants: A case study with arsenic. Environmental Research, 2022, 214, 113764.	3.7	3
2293	Adsorptive removal of micron-sized polystyrene particles using magnetic iron oxide nanoparticles. Chemosphere, 2022, 307, 135672.	4.2	17
2294	In situ laboratory for plastic degradation in the Red Sea. Scientific Reports, 2022, 12, .	1.6	5
2295	Testing an Iron Oxide Nanoparticle-Based Method for Magnetic Separation of Nanoplastics and Microplastics from Water. Nanomaterials, 2022, 12, 2348.	1.9	17
2296	Using a UAV Thermal Infrared Camera for Monitoring Floating Marine Plastic Litter. Remote Sensing, 2022, 14, 3179.	1.8	12

#	Article	IF	Citations
2297	Marine Debris Floating in Arctic and Temperate Northeast Atlantic Waters. Frontiers in Marine Science, 0, 9, .	1.2	7
2298	Tackling Marine Microplastics Pollution: an Overview of Existing Solutions. Water, Air, and Soil Pollution, 2022, 233, .	1.1	9
2299	Ask the shark: blackmouth catshark (Galeus melastomus) as a sentinel of plastic waste on the seabed. Marine Biology, 2022, 169, .	0.7	13
2300	Detection and Classification of Floating Plastic Litter Using a Vessel-Mounted Video Camera and Deep Learning. Remote Sensing, 2022, 14, 3425.	1.8	12
2301	Influence of microplastics on the photodegradation of perfluorooctane sulfonamide (FOSA). Journal of Environmental Sciences, 2023, 127, 791-798.	3.2	13
2302	Trends of microplastic abundance in personal care products in the United Arab Emirates over the period of 3Âyears (2018â€“2020). Environmental Science and Pollution Research, 2022, 29, 89614-89624.	2.7	14
2303	Microplastic exposure across trophic levels: effects on the hostâ€“microbiota of freshwater organisms. Environmental Microbiomes, 2022, 17, .	2.2	7
2304	Macro- and Microplastics in the Antarctic Environment: Ongoing Assessment and Perspectives. Environments - MDPI, 2022, 9, 93.	1.5	25
2305	Attribution of Plastic Sources Using Bayesian Inference: Application to River-Sourced Floating Plastic in the South Atlantic Ocean. Frontiers in Marine Science, 0, 9, .	1.2	0
2306	Far from a distraction: Plastic pollution and the planetary emergency. Biological Conservation, 2022, 272, 109655.	1.9	29
2307	Temporal changes of plastic litter and associated encrusting biota: Evidence from Central Italy (Mediterranean Sea). Marine Pollution Bulletin, 2022, 181, 113890.	2.3	15
2308	Comparative profiling and exposure assessment of microplastics in differently sized Manila clams from South Korea by l¼FTIR and Nile Red staining. Marine Pollution Bulletin, 2022, 181, 113846.	2.3	8
2309	Improved methodology for microplastic extraction from gastrointestinal tracts of fat fish species. Marine Pollution Bulletin, 2022, 181, 113911.	2.3	8
2310	Hirudo verbana as a freshwater invertebrate model to assess the effects of polypropylene micro and nanoplastics dispersion in freshwater. Fish and Shellfish Immunology, 2022, 127, 492-507.	1.6	5
2311	Light availability modulates the responses of the microalgae Desmodesmus sp. to micron-sized polyvinyl chloride microplastics. Aquatic Toxicology, 2022, 249, 106234.	1.9	9
2312	Quantitative assessment of microplastic in sandy beaches of Gujarat state, India. Marine Pollution Bulletin, 2022, 181, 113925.	2.3	30
2313	Environmental microplastics disrupt swimming activity in acute exposure in Danio rerio larvae and reduce growth and reproduction success in chronic exposure in D. rerio and Oryzias melastigma. Environmental Pollution, 2022, 308, 119721.	3.7	16
2314	Recent advances on the transport of microplastics/nanoplastics in abiotic and biotic compartments. Journal of Hazardous Materials, 2022, 438, 129515.	6.5	46

#	Article	IF	Citations
2315	Relationship between ocean area and incidence of anthropogenic debris ingested by longnose lancetfish (Alepisaurus ferox). Regional Studies in Marine Science, 2022, 55, 102476.	0.4	0
2316	Microplastic pollution in Bangladesh: Research and management needs. Environmental Pollution, 2022, 308, 119697.	3.7	21
2317	Occurrence and distribution of microplastics in peatland areas: A case study in Long An province of the Mekong Delta, Vietnam. Science of the Total Environment, 2022, 844, 157066.	3.9	20
2318	Spatial distribution of microplastics pollution in sediments and surface waters of the Aras River and reservoir: An international river in Northwestern Iran. Science of the Total Environment, 2022, 843, 156894.	3.9	12
2319	Microplastic ingestion alters the expression of some sexually selected traits in a model fish guppy (Poecilia reticulata Peters 1859). Marine and Freshwater Behaviour and Physiology, 2022, 55, 87-106.	0.4	4
2320	The presence of microplastics in fishes of South Maldives. IOP Conference Series: Earth and Environmental Science, 2022, 1055, 012015.	0.2	1
2321	Modeling three-dimensional transport of microplastics and impacts of biofouling in Lake Erie and Lake Ontario. Journal of Great Lakes Research, 2022, 48, 1180-1190.	0.8	4
2322	Floating marine macro litter in the Black Sea: Toward baselines for large scale assessment. Environmental Pollution, 2022, 309, 119816.	3.7	12
2323	Assessing the Economic Contribution of Ocean-Based Activities Using the Pacific Coast of British Columbia as a Case Study. Sustainability, 2022, 14, 8662.	1.6	4
2324	Identification and quantification of common microplastics in table salts by a multi-technique-based analytical method. Analytical and Bioanalytical Chemistry, 2022, 414, 6647-6656.	1.9	6
2325	Floating microplastics pollution in the Central Atlantic Ocean of Morocco: Insights into the occurrence, characterization, and fate. Marine Pollution Bulletin, 2022, 182, 113969.	2.3	36
2326	A whale of a plastic tale: A plea for interdisciplinary studies to tackle micro- and nanoplastic pollution in the marine realm. Science of the Total Environment, 2022, 846, 157187.	3.9	11
2327	Insights into Adsorption Mechanisms of Nitro Polycyclic Aromatic Hydrocarbons on Common Microplastic Particles: Experimental Studies and Modeling. SSRN Electronic Journal, 0, , .	0.4	0
2328	An In Situ Study to Understand Community Structure of Estuarine Microbes on the Plastisphere. Microorganisms, 2022, 10, 1543.	1.6	3
2329	Size Dependent Transport of Floating Plastics Modeled in the Global Ocean. Frontiers in Marine Science, 0, 9, .	1.2	6
2330	Recent Advances in Photocatalytic Removal of Microplastics: Mechanisms, Kinetic Degradation, and Reactor Design. Frontiers in Marine Science, 0, 9, .	1.2	15
2331	Riverine Plastic Pollution in Asia: Results from a Bibliometric Assessment. Land, 2022, 11, 1117.	1.2	8
2332	Polystyrene microplastics alter bioaccumulation, and physiological and histopathological toxicities of cadmium in the polychaete Perinereis aibuhitensis. Frontiers in Marine Science, 0, 9, .	1.2	2

#	Article	IF	Citations
2333	Characterization and implication of microplastics on riverine population of the River Ravi, Lahore, Pakistan. Environmental Science and Pollution Research, 2023, 30, 6828-6848.	2.7	7
2334	Laboratory evaluation of floating marine plastic debris as a potential vector for transportation of the harmful benthic dinoflagellate Fukuyoa koreansis. Journal of Applied Phycology, 2022, 34, 2515-2521.	1.5	6
2335	Ecotoxicological and health implications of microplastic-associated biofilms: a recent review and prospect for turning the hazards into benefits. Environmental Science and Pollution Research, 2022, 29, 70611-70634.	2.7	10
2336	The removal of microplastics from water by coagulation: A comprehensive review. Science of the Total Environment, 2022, 851, 158224.	3.9	38
2337	Biodegradability of bioplastic blown film in a marine environment. Frontiers in Marine Science, 0, 9, .	1.2	6
2338	Assessing the toxicity of polystyrene beads and silica particles on the microconsumer Brachionus calyciflorus at different timescales. Frontiers in Environmental Science, 0, 10, .	1.5	0
2339	Plastic contamination of sandy beaches along the southern Baltic â€“ a one season field survey results. Oceanologia, 2022, 64, 769-780.	1.1	4
2340	Distinct responses of Pseudomonas aeruginosa PAO1 exposed to different levels of polystyrene nanoplastics. Science of the Total Environment, 2022, 852, 158214.	3.9	14
2341	Is the impact of atmospheric microplastics on human health underestimated? Uncertainty in risk assessment: A case study of urban atmosphere in Xi'an, Northwest China. Science of the Total Environment, 2022, 851, 158167.	3.9	12
2342	Plastic pollution on Durance riverbank: First quantification and possible environmental measures to reduce it. Frontiers in Sustainability, 0, 3, .	1.3	3
2343	Riverine macroplastic gradient along watercourses: A global overview. Frontiers in Environmental Science, 0, 10, .	1.5	18
2344	Pelagic distribution of plastic debris (>â€‰500ÂÂµm) and marine organisms in the upper layer of the North Atlantic Ocean. Scientific Reports, 2022, 12, .	1.6	12
2345	Comment on â€œThe missing ocean plastic sink: Gone with the riversâ€• Science, 2022, 377, .	6.0	1
2346	Immuno-genomic profiling of biopsy specimens predicts neoadjuvant chemotherapy response in esophageal squamous cell carcinoma. Cell Reports Medicine, 2022, 3, 100705.	3.3	5
2347	Time-series incubations in a coastal environment illuminates the importance of early colonizers and the complexity of bacterial biofilm dynamics on marine plastics. Environmental Pollution, 2022, 312, 119994.	3.7	6
2348	The Effect of the Physical and Chemical Properties of Synthetic Fabrics on the Release of Microplastics during Washing and Drying. Polymers, 2022, 14, 3384.	2.0	4
2349	Influence of windward versus leeward settings on microplastic distribution in beach sediments of Kish Island, Gulf region. Regional Studies in Marine Science, 2022, 55, 102585.	0.4	0
2350	The interaction of micro/nano plastics and the environment: Effects of ecological corona on the toxicity to aquatic organisms. Ecotoxicology and Environmental Safety, 2022, 243, 113997.	2.9	10

#	Article	IF	Citations
2351	Evaluation of the status of marine plastic pollution along a tourist beach of Bay of Bengal during lockdown and post lockdown. Marine Pollution Bulletin, 2022, 182, 113970.	2.3	12
2352	Effects of changing environmental conditions on plastic ingestion and feeding ecology of a benthopelagic fish (Gadus morhua) in the Southwest Baltic Sea. Marine Pollution Bulletin, 2022, 182, 114001.	2.3	3
2353	Microbial communities on plastic particles in surface waters differ from subsurface waters of the North Pacific Subtropical Gyre. Marine Pollution Bulletin, 2022, 182, 113949.	2.3	9
2354	The hidden cost of following currents: Microplastic ingestion in a planktivorous seabird. Marine Pollution Bulletin, 2022, 182, 114030.	2.3	7
2355	Plastic debris forms: Rock analogues emerging from marine pollution. Marine Pollution Bulletin, 2022, 182, 114031.	2.3	14
2356	The plate collector, a new option for Pinctada margaritifera spat collection in French Polynesia. Aquaculture Reports, 2022, 26, 101305.	0.7	0
2357	Toward a long-term monitoring program for seawater plastic pollution in the north Pacific Ocean: Review and global comparison. Environmental Pollution, 2022, 311, 119911.	3.7	9
2358	Spatiotemporal variations in marine litter along the Gulf of Guinea coastline, Araromi seaside, Nigeria. Marine Pollution Bulletin, 2022, 183, 114048.	2.3	5
2359	Microbial community niches on microplastics and prioritized environmental factors under various urban riverine conditions. Science of the Total Environment, 2022, 849, 157781.	3.9	14
2360	Impacts of microplastics addition on sediment environmental properties, enzymatic activities and bacterial diversity. Chemosphere, 2022, 307, 135836.	4.2	28
2361	Could a mix of short- and long-term policies be the solution to tackle marine litter? Insights from a choice experiment in England and Ireland. Ecological Economics, 2022, 201, 107563.	2.9	3
2362	Distribution and retention of microplastics in plantation mangrove forest sediments. Chemosphere, 2022, 307, 136137.	4.2	6
2363	Photodissolution of submillimeter-sized microplastics and its dependences on temperature and light composition. Science of the Total Environment, 2022, 848, 157714.	3.9	5
2364	Presence and implications of plastics in wild commercial fishes in the Alboran Sea (Mediterranean) Tj ETQq1 1 0.784314 rgBT /Overlock	3.9	6
2365	What can we learn from studying plastic debris in the Sea Scheldt estuary?. Science of the Total Environment, 2022, 851, 158226.	3.9	6
2366	Interaction between Microplastics and Pharmaceuticals Depending on the Composition of Aquatic Environment. Microplastics, 2022, 1, 520-535.	1.6	12
2367	Microplastic Occurrence in the Gill and Gastrointestinal Tract of Chelon ramada (Mugilidae) in a Highly Urbanized Region, Ä°skenderun Bay, TÃ¼rkiye. Marine Science and Technology Bulletin, 2022, 11, 309-319.	0.2	1
2368	Algal degradation of microplastic from the environment: Mechanism, challenges, and future prospects. Algal Research, 2022, 67, 102848.	2.4	13

#	Article	IF	Citations
2370	The spatiotemporal dynamics, distribution, and characteristics of beached plastics along the remote south coast of Western Australia. Marine Pollution Bulletin, 2022, 184, 114126.	2.3	2
2371	Is hydrodynamic diameter the decisive factor? - Comparison of the toxic mechanism of nSiO2 and mPS on marine microalgae Heterosigma akashiwo. Aquatic Toxicology, 2022, 252, 106309.	1.9	7
2372	Hydrolytic degradation of biodegradable poly(butylene adipate-co-terephthalate) (PBAT) - Towards an understanding of microplastics fragmentation. Polymer Degradation and Stability, 2022, 205, 110122.	2.7	20
2373	Facing marine debris in China. Marine Pollution Bulletin, 2022, 184, 114158.	2.3	1
2374	Quantification and characterization of microplastics in commercial fish from southern New Zealand. Marine Pollution Bulletin, 2022, 184, 114121.	2.3	24
2375	Riverine microplastics derived from mulch film in Hainan Island: Occurrence, source and fate. Environmental Pollution, 2022, 312, 120093.	3.7	14
2376	The effect of microplastics on the interspecific competition of Daphnia. Environmental Pollution, 2022, 313, 120121.	3.7	12
2377	Toxicokinetics and toxicodynamics of plastic and metallic nanoparticles: A comparative study in shrimp. Environmental Pollution, 2022, 312, 120069.	3.7	14
2378	Thyroid hormone disruption by bis-(2-ethylhexyl) phthalate (DEHP) and bis-(2-ethylhexyl) adipate (DEHA) in Japanese medaka Oryzias latipes. Aquatic Toxicology, 2022, 252, 106312.	1.9	13
2379	Degradation-fragmentation of marine plastic waste and their environmental implications: A critical review. Arabian Journal of Chemistry, 2022, 15, 104262.	2.3	34
2380	Occurrence and removal of microplastics in a hybrid growth sewage treatment plant from Bihar, India: A preliminary study. Journal of Cleaner Production, 2022, 376, 134295.	4.6	15
2381	A systematic review on bioplastic-soil interaction: Exploring the effects of residual bioplastics on the soil geoenvironment. Science of the Total Environment, 2022, 851, 158311.	3.9	10
2382	Toxic effects of polystyrene microplastics on the intestine of Amphioctopus fangsiao (Mollusca:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 2022, 308, 136362.	4.2	13
2383	Polystyrene microplastics inhibit the neurodevelopmental toxicity of mercury in zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Overloc	3.7	5
2384	Plasma-mediated aging process of different microplastics: Release of dissolved organic matter and formation of disinfection by-products. Separation and Purification Technology, 2022, 303, 122143.	3.9	8
2385	Hydrochar alleviated the inhibitory effects of polyvinyl chloride microplastics and nanoplastics on anaerobic granular sludge for wastewater treatment. Chemical Engineering Journal, 2023, 452, 139302.	6.6	2
2386	Plastic is a widely used and selectively chosen nesting material for pied flycatchers (Ficedula) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 102	3.9	11
2387	Climate change interaction with microplastics and nanoplastics pollution. , 2023, , 387-403.		2

#	Article	IF	Citations
2388	Microplastics (MPs) and nanoplastics (NPs): Introduction. , 2023, , 1-32.		1
2389	A 75-year history of microplastic fragment accumulation rates in a semi-enclosed hypoxic basin. Science of the Total Environment, 2023, 854, 158751.	3.9	11
2390	Occurrence of MPs and NPs in freshwater environment. , 2023, , 125-150.		0
2391	Abiotic plastic leaching contributes to ocean acidification. Science of the Total Environment, 2023, 854, 158683.	3.9	13
2392	Evidence of Coupled Autotrophy and Heterotrophy on Plastic Biofilms and Its Influence on Surrounding Seawaters. SSRN Electronic Journal, 0, , .	0.4	0
2393	Presence of Microplastics: Impacts in a Marine-Coastal Environment of the Colombian Caribbean. SSRN Electronic Journal, 0, , .	0.4	0
2394	Microplastics (MPs) in marine food chains: Is it a food safety issue?. Advances in Food and Nutrition Research, 2023, , 101-140.	1.5	3
2395	Microbial Bioremediation of Polythene and Plastics. , 2022, , 405-421.		0
2396	Continents of Plastics: An Estimate of the Stock of Microplastics in Agricultural Soils. SSRN Electronic Journal, 0, , .	0.4	0
2397	Microplastics in Aquatic Environments. , 2022, , 49-54.		0
2398	Factors and Zones of Accumulation. , 2022, , 31-35.		0
2399	Analysis of the Solid Contents of Toothpastes Available in UAE (United Arab Emirates) Markets. Journal of Environmental Protection, 2022, 13, 539-556.	0.3	5
2400	Contribution to Microplastic Identification and Quantification in Marine Sediments Facing a River Mouth Through Nmr Spectroscopy. SSRN Electronic Journal, 0, , .	0.4	0
2401	Impact of Microfiber/Microplastic Pollution. Sustainable Textiles, 2022, , 151-203.	0.4	0
2402	Activated carbon composite from LDPE plastic waste with magnetite nanoparticles as antibacterial agent. AIP Conference Proceedings, 2022, , .	0.3	0
2403	Microplastics in aquatic systems, a comprehensive review: origination, accumulation, impact, and removal technologies. RSC Advances, 2022, 12, 28318-28340.	1.7	29
2404	Formulation of conductive inks printable on textiles for electronic applications: a review. Textile Progress, 2022, 54, 103-200.	1.3	3
2405	Multi stress system: Microplastics in freshwater and their effects on host microbiota. Science of the Total Environment, 2023, 856, 159106.	3.9	2

#	Article	IF	Citations
2406	Effect of microplastics on nasal and gut microbiota of high-exposure population: Protocol for an observational cross-sectional study. Medicine (United States), 2022, 101, e30215.	0.4	4
2407	A review of the scientific knowledge of the seascape off Dronning Maud Land, Antarctica. Polar Biology, 2022, 45, 1313-1349.	0.5	2
2408	Past, present, and possible future policies on plastic use in the United States, particularly microplastics and nanoplastics: A review. Integrated Environmental Assessment and Management, 2023, 19, 474-488.	1.6	7
2409	Differential Presence of Microplastics and Mesoplastics in Coral Reef and Mangrove Fishes in Isla Grande, Colombia. Microplastics, 2022, 1, 477-493.	1.6	7
2410	Standards as a Tool for Reducing Plastic Waste. Sustainability, 2022, 14, 10876.	1.6	4
2411	Enhancing marine citizenship as a strategy to promote the reduction of single-use plastics consumption in different cultures. Frontiers in Marine Science, 0, 9, .	1.2	1
2412	Microplastics profile in fishes from selected burrow pits: a case of plastic pollution in Kano metropolis, Nigeria. Environmental Forensics, 0, , 1-11.	1.3	0
2413	A Review of Rigid Polymeric Cellular Foams and Their Greener Tannin-Based Alternatives. Polymers, 2022, 14, 3974.	2.0	7
2414	Distribution patterns of microplastics in subtidal sediments from the Sado river estuary and the ArrÃ¡bida marine park, Portugal. Frontiers in Environmental Science, 0, 10, .	1.5	3
2415	Understanding plasticiser leaching from polystyrene microplastics. Science of the Total Environment, 2023, 857, 159099.	3.9	26
2416	Slow and steady hurts the crab: Effects of chronic and acute microplastic exposures on a filter feeder crab. Science of the Total Environment, 2023, 857, 159135.	3.9	15
2417	Physical and biomimetic treatment methods to reduce microplastic waste accumulation. Molecular and Cellular Toxicology, 2023, 19, 13-25.	0.8	4
2419	Raman spectroscopy for microplastic detection in water sources: a systematic review. International Journal of Environmental Science and Technology, 2023, 20, 10435-10448.	1.8	21
2420	Polyhydroxybutyrate Rice Hull and Torrefied Rice Hull Biocomposites. Polymers, 2022, 14, 3882.	2.0	2
2421	Rapid Identification of Beached Marine Plastics Pellets Using Laser-Induced Breakdown Spectroscopy: A Promising Tool for the Quantification of Coastal Pollution. Sensors, 2022, 22, 6910.	2.1	5
2422	Evaluating the collection and composition of plastic waste in the digital waste bank and the reduction of potential leakage into the ocean. Waste Management and Research, 2023, 41, 676-686.	2.2	1
2423	Impact of microcrystalline cellulose extracted from walnut and apricots shells on the biodegradability of Poly (lactic acid). Frontiers in Materials, 0, 9, .	1.2	3
2424	Marine litter in submarine canyons: A systematic review and critical synthesis. Frontiers in Marine Science, 0, 9, .	1.2	8

#	Article	IF	Citations
2425	A Review on Plastic Pollution and Biodegradation of Polyethylene: Indian Region. Current World Environment Journal, 2022, 17, 289-305.	0.2	0
2426	A concept for the biotechnological minimizing of emerging plastics, micro- and nano-plastics pollutants from the environment: A review. Environmental Research, 2023, 216, 114342.	3.7	13
2427	Tailor-Made Protein Corona Formation on Polystyrene Microparticles and its Effect on Epithelial Cell Uptake. ACS Applied Materials & Interfaces, 2022, 14, 47277-47287.	4.0	7
2428	Distinct responses of Chlorella vulgaris upon combined exposure to microplastics and bivalent zinc. Journal of Hazardous Materials, 2023, 442, 130137.	6.5	13
2429	Advances in Bioinspired Triboelectric Nanogenerators. Advanced Electronic Materials, 2022, 8, .	2.6	18
2430	Polybrominated diphenyl ethers as hitchhikers on microplastics: Sorption behaviors and combined toxicities to Epinephelus moara. Aquatic Toxicology, 2022, 252, 106317.	1.9	12
2431	Evaluating the performance of the â€˜Seabinâ€™ â€“ A fixed point mechanical litter removal device for sheltered waters. Marine Pollution Bulletin, 2022, 184, 114199.	2.3	7
2432	How small is the big problem? Small microplastics <300ÂÎ¼m abundant in marine surface waters of the Great Barrier Reef Marine Park. Marine Pollution Bulletin, 2022, 184, 114179.	2.3	3
2433	Long-term exposure to nanoplastics reshapes the microbial interaction network of activated sludge. Environmental Pollution, 2022, 314, 120205.	3.7	15
2434	Aggregation of microplastic and biogenic particles in upper-ocean turbulence. International Journal of Multiphase Flow, 2022, 157, 104253.	1.6	4
2435	Bioinspired and Natural Materials for Oil/Water Separation. ACS Symposium Series, 0, , 107-123.	0.5	6
2436	Determination of the Microplastic Particle Release by Tea Bags During Brewing. Health, Food & Biotechnology, 2022, 3, .	0.1	2
2437	Assessment of the abundance, composition, and sources of riverine macrolitter of the Erzen River (Albania). Current Directions in Water Scarcity Research, 2022, , 271-285.	0.2	0
2438	International Legal Protection of the Marine Environment from Plastic Pollution. ÐœÐµÐ¶Ð´ÑƒÐ½Ð°Ñ€Ð¾Ð´Ð½Ð¾Ðµ Ð¿Ñ€Ð°Ð²Ð¾ Law and International Organizations, 2022, , 11-21.	0.1	1
2439	Effect of microplastics on nasal and intestinal microbiota of the high-exposure population. Frontiers in Public Health, 0, 10, .	1.3	5
2440	Synthesis and chemoselective crosslinking of functionalized polyesters from bioâ€based epoxides and cyclic anhydrides. Journal of Polymer Science, 0, , .	2.0	2
2441	Current status and trends of research on microplastic fugacity characteristics and pollution levels in mangrove wetlands. Frontiers in Environmental Science, 0, 10, .	1.5	0
2442	Maximizing Realism: Mapping Plastic Particles at the Ocean Surface Using Mixtures of Normal Distributions. Environmental Science & Technology, 2022, 56, 15552-15562.	4.6	9

#	Article	IF	Citations
2443	Nanoplastics as an Invisible Threat to Humans and the Environment. Journal of Nanomaterials, 2022, 2022, 1-15.	1.5	9
2444	A transdisciplinary approach to reducing global plastic pollution. Frontiers in Marine Science, 0, 9, .	1.2	3
2445	Specific Ion Effects on the Enzymatic Degradation of Polyester Films. Chinese Journal of Polymer Science (English Edition), 0, , .	2.0	1
2446	Borderless conservation: Integrating connectivity into high seas conservation efforts for the Salas y GÃ³mez and Nazca ridges. Frontiers in Marine Science, 0, 9, .	1.2	4
2447	Plastic leachates impair picophytoplankton and dramatically reshape the marine microbiome. Microbiome, 2022, 10, .	4.9	12
2448	Os custos dos ambientes desiguais e insustentÃ¡veis. Conjeturas, 2022, 22, 191-213.	0.0	0
2449	Elucidating effects of environmental exposure using humanâ€induced pluripotent stem cell disease modeling. EMBO Molecular Medicine, 2022, 14, .	3.3	11
2450	Mechanical, Physical, and Chemical Properties of Mycelium-Based Composites Produced from Various Lignocellulosic Residues and Fungal Species. Journal of Fungi (Basel, Switzerland), 2022, 8, 1125.	1.5	9
2451	Sources, Aging, and Management of Coastal Plastics in Shanghai. Water, Air, and Soil Pollution, 2022, 233, .	1.1	2
2452	Extraction and Analysis of Microplastic Beads from Personal Care Products. Current Analytical Chemistry, 2023, 19, 184-189.	0.6	2
2453	Food and human safety: the impact of microplastics. Critical Reviews in Food Science and Nutrition, 2024, 64, 3502-3521.	5.4	21
2454	Quantitative Assessment of Full Size Microplastics in Bottled and Tap Water Samples in Hong Kong. International Journal of Environmental Research and Public Health, 2022, 19, 13432.	1.2	8
2455	Hitchhiking into the Deep: How Microplastic Particles are Exported through the Biological Carbon Pump in the North Atlantic Ocean. Environmental Science & Technology, 2022, 56, 15638-15649.	4.6	21
2456	Conversion of Polyethylenes into Fungal Secondary Metabolites. Angewandte Chemie - International Edition, 2023, 62, .	7.2	7
2457	A growing crisis for One Health: Impacts of plastic pollution across layers of biological function. Frontiers in Marine Science, 0, 9, .	1.2	12
2458	The key role of surface tension in the transport and quantification of plastic pollution in rivers. Water Research, 2022, 226, 119078.	5.3	17
2459	Conversion of Polyethylenes into Fungal Secondary Metabolites. Angewandte Chemie, 0, , .	1.6	0
2460	The plastic-scape: Applying seascape ecology to marine plastic pollution. Frontiers in Marine Science, 0, 9, .	1.2	1

#	Article	IF	Citations
2461	Post-Consumer Poly(ethylene terephthalate) (PET) Depolymerization by Yarrowia lipolytica: A Comparison between Hydrolysis Using Cell-Free Enzymatic Extracts and Microbial Submerged Cultivation. Molecules, 2022, 27, 7502.	1.7	1
2462	In vitro toxicity assessment of polyethylene terephthalate and polyvinyl chloride microplastics using three cell lines from rainbow trout (Oncorhynchus mykiss). Chemosphere, 2023, 312, 136996.	4.2	7
2463	Characterization of microplastics in the septic tank via laser direct infrared spectroscopy. Water Research, 2022, 226, 119293.	5.3	5
2464	Cryogrinding and sieving techniques as challenges towards producing controlled size range microplastics for relevant ecotoxicological tests. Environmental Pollution, 2022, 315, 120383.	3.7	9
2465	Contamination of sea surface water offshore the Tokai region and Tokyo Bay in Japan by small microplastics. Marine Pollution Bulletin, 2022, 185, 114245.	2.3	18
2466	Microplastics distribution in sediment and mussels along the British Columbia Coast, Canada. Marine Pollution Bulletin, 2022, 185, 114273.	2.3	3
2467	A community of marine bacteria with potential to biodegrade petroleum-based and biobased microplastics. Marine Pollution Bulletin, 2022, 185, 114251.	2.3	6
2468	Willingness to pay for cleaning up beach litter: A meta-analysis. Marine Pollution Bulletin, 2022, 185, 114220.	2.3	2
2469	Comparison between the traditional Manta net and an innovative device for microplastic sampling in surface marine waters. Marine Pollution Bulletin, 2022, 185, 114237.	2.3	5
2470	Evidence of coupled autotrophy and heterotrophy on plastic biofilms and its influence on surrounding seawater. Environmental Pollution, 2022, 315, 120463.	3.7	5
2471	Examining the release of synthetic microfibres to the environment via two major pathways: Atmospheric deposition and treated wastewater effluent. Science of the Total Environment, 2023, 857, 159317.	3.9	21
2472	Pathogens and their sources in freshwater fish, sea finfish, shellfish, and algae. , 2023, , 471-492.		1
2473	Microplastic materials in the environment: Problem and strategical solutions. Progress in Materials Science, 2023, 132, 101035.	16.0	44
2474	Plastics and waterbirds in Brazil: A review of ingestion, nest materials and entanglement reveals substantial knowledge gaps and opportunities for research. Environmental Pollution, 2023, 316, 120615.	3.7	3
2475	Boat paint and epoxy fragments - Leading contributors of microplastic pollution in surface waters of a protected Andaman bay. Chemosphere, 2023, 312, 137183.	4.2	7
2476	Deciphering the effects of LDPE microplastic films on diversity, composition and co-occurrence network of soil fungal community. Applied Soil Ecology, 2023, 182, 104716.	2.1	7
2477	Microplastic accelerate the phosphorus-related metabolism of bacteria to promote the decomposition of methylphosphonate to methane. Science of the Total Environment, 2023, 858, 160020.	3.9	5
2478	Ä°Ã§me SularÄ± ve GÄ±dalarda Mikroplastikler. Ä°dealkent, 2022, 15, 110-115.	0.1	0

#	Article	IF	Citations
2479	Microplastics in Ship Sewage and Solutions to Limit Their Spread: A Case Study. Water (Switzerland), 2022, 14, 3701.	1.2	2
2480	Occurrence of Anthropogenic Debris in Three Commercial Shrimp Species from South-Western Ionian Sea. Biology, 2022, 11, 1616.	1.3	3
2481	Accumulation, transformation and transport of microplastics in estuarine fronts. Nature Reviews Earth & Environment, 2022, 3, 795-805.	12.2	37
2482	Unraveling Microplastic Pollution in Mangrove Sediments of Butuan Bay, Philippines. Sustainability, 2022, 14, 14469.	1.6	12
2483	Microplastics in gastric samples from common bottlenose dolphins (Tursiops truncatus) residing in Sarasota Bay FL (USA). Frontiers in Marine Science, 0, 9, .	1.2	4
2484	Cellulose nanofibrils and silver nanoparticles enhances the mechanical and antimicrobial properties of polyvinyl alcohol nanocomposite film. Scientific Reports, 2022, 12, .	1.6	8
2485	Dose-Dependent Cytotoxicity of Polypropylene Microplastics (PP-MPs) in Two Freshwater Fishes. International Journal of Molecular Sciences, 2022, 23, 13878.	1.8	12
2486	Pathways and Hot Spots of Floating and Submerged Microplastics in Atlantic Iberian Marine Waters: A Modelling Approach. Journal of Marine Science and Engineering, 2022, 10, 1640.	1.2	4
2487	A versatile tag for simple preparation of cutinase towards enhanced biodegradation of polyethylene terephthalate. International Journal of Biological Macromolecules, 2023, 225, 149-161.	3.6	5
2488	Abundance, morphology, and spatio-temporal variation of microplastics at the beaches of Mumbai, India. Regional Studies in Marine Science, 2022, 56, 102722.	0.4	2
2489	Rapid adsorption of sulfamethazine on mesoporous graphene produced from plastic waste: optimization, mechanism, isotherms, kinetics, and thermodynamics. International Journal of Environmental Science and Technology, 2023, 20, 9717-9732.	1.8	7
2490	Plastic debris decrease fish feeding pressure on tropical reefs. Marine Pollution Bulletin, 2022, 185, 114330.	2.3	1
2491	Spatial and temporal variability of microplastic abundance in estuarine intertidal sediments: Implications for sampling frequency. Science of the Total Environment, 2023, 859, 160308.	3.9	9
2492	Ingested microplastics: Do humans eat one credit card per week?. Journal of Hazardous Materials Letters, 2022, 3, 100071.	2.0	6
2493	Personal protective equipment (PPE) disposal during COVID-19: An emerging source of microplastic and microfiber pollution in the environment. Science of the Total Environment, 2023, 860, 160322.	3.9	23
2494	Micro plastic contaminant in marine environment in Chennai coast. AIP Conference Proceedings, 2022, , .	0.3	0
2495	Marine debris ingestion by odontocete species from the Southwest Atlantic Ocean: Absence also matter. Marine Pollution Bulletin, 2023, 186, 114486.	2.3	4
2496	The development of a derelict crab trap removal incentive program for commercial shrimpers. Marine Pollution Bulletin, 2023, 186, 114392.	2.3	4

#	Article	IF	Citations
2497	Relationships between marine litter and type of coastal area, in Northeast Atlantic sandy beaches. Marine Environmental Research, 2023, 183, 105827.	1.1	4
2498	Time-dependent immune injury induced by short-term exposure to nanoplastics in the Sepia esculenta larvae. Fish and Shellfish Immunology, 2023, 132, 108477.	1.6	0
2499	Environmental (in)justice in the Anthropocene ocean. Marine Policy, 2023, 147, 105383.	1.5	26
2500	The distribution and direct impacts of marine debris on the commercial shrimping industry. Marine Pollution Bulletin, 2023, 186, 114417.	2.3	3
2501	Removal of polyester fibre microplastics from wastewater using a UV/H2O2 oxidation process. Journal of Environmental Chemical Engineering, 2023, 11, 109057.	3.3	11
2502	Pyrolytic conversion of waste plastics to energy products: A review on yields, properties, and production costs. Science of the Total Environment, 2023, 861, 160721.	3.9	16
2503	Exploration of polyacrylamide microplastics and evaluation of their toxicity on multiple parameters of Oreochromis niloticus. Saudi Journal of Biological Sciences, 2023, 30, 103518.	1.8	8
2504	Techno-economic analysis and life cycle assessment of poly (butylene succinate) production using food waste. Waste Management, 2023, 156, 168-176.	3.7	20
2505	Effects of non-phthalate plasticizer bis(2-ethylhexyl) sebacate (DEHS) on the endocrine system in Japanese medaka (Oryzias latipes). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2023, 264, 109531.	1.3	4
2506	Review on invasion of microplastic in our ecosystem and implications. Science Progress, 2022, 105, 003685042211407.	1.0	3
2507	Settling of Mesoplastics in an Open-Channel Flow. Energies, 2022, 15, 8786.	1.6	1
2508	The spiral of plastic pollution: a compensatory urge from the collective unconscious for an ecologicalâ€psychological transformation of civilization. Journal of Analytical Psychology, 2022, 67, 1386-1409.	0.1	1
2509	The Sorption of Amoxicillin on Engineered Polyethylene Terephthalate Microplastics. Journal of Polymers and the Environment, 2023, 31, 1383-1397.	2.4	4
2510	Microplastics in Kuwaitâ€™s Wastewater Streams. Sustainability, 2022, 14, 15817.	1.6	3
2511	Trade Flow Optimization Model for Plastic Pollution Reduction. International Journal of Environmental Research and Public Health, 2022, 19, 15963.	1.2	0
2512	Reasons and analysis of Coca-Cola's greenwashing. , 0, 33, 23-28.		0
2513	A New Monitoring Strategy of Large Micro-, Meso- and Macro-Litter: A Case Study on Sandy Beaches of Baltic Lagoons and Estuaries. Environmental Management, 2023, 72, 410-423.	1.2	2
2514	Assessment of Prevalence and Heterogeneity of Meso- and Microplastic Pollution in Icelandic Waters. Environments - MDPI, 2022, 9, 150.	1.5	0

#	Article	IF	Citations
2515	Microplastics in the Inshore and Offshore Surface Water in the Andaman Sea. Water, Air, and Soil Pollution, 2022, 233, .	1.1	0
2516	Plastic Debris in Nests of Two Water Bird Species Breeding on Inland Saline Lakes in a Mediterranean Biosphere Reserve. Animals, 2022, 12, 3222.	1.0	3
2517	Marine Solid Pollutionâ€"From Macroplastics to Nanoplastics. , 2023, , 63-110.		0
2518	Quality Assessment of Waste from Olive Oil Production and Design of Biodegradable Packaging. Foods, 2022, 11, 3776.	1.9	1
2519	Blending HDPE with biodegradable polymers using modified natural rubber as a compatibilizing agent: mechanical, physical, chemical,Âthermal and morphological properties. Polymer Bulletin, 2023, 80, 11421-11437.	1.7	1
2520	A baseline assessment of the relationship between microplastics and plasticizers in sediment samples collected from the Barcelona continental shelf. Environmental Science and Pollution Research, 2023, 30, 36311-36324.	2.7	6
2521	A mass budget and box model of global plastics cycling, degradation and dispersal in the land-ocean-atmosphere system. Microplastics and Nanoplastics, 2022, 2, .	4.1	10
2522	Impact of Plastic Waste Ingestion by Fish. Circular Economy and Sustainability, 2023, 3, 607-616.	3.3	1
2523	Microplastic intrusion into the zooplankton, the base of the marine food chain: Evidence from the Arabian Sea, Indian Ocean. Science of the Total Environment, 2023, 864, 160876.	3.9	13
2524	Formation of disinfection by-products from microplastics, tire wear particles, and other polymer-based materials. Water Research, 2023, 230, 119528.	5.3	10
2525	Recovery from microplastic-induced marine deoxygenation may take centuries. Nature Geoscience, 2023, 16, 10-12.	5.4	18
2526	Introduction to Marine Litter in Africa. , 2023, , 1-34.		0
2527	Recent Advances in Micro-/Nanoplastic (MNPs) Removal by Microalgae and Possible Integrated Routes of Energy Recovery. Microorganisms, 2022, 10, 2400.	1.6	16
2528	Current Situation and Ecological Effects of Microplastic Pollution in Soil. Reviews of Environmental Contamination and Toxicology, 2022, 260, .	0.7	0
2529	Microplastic Accumulation and Degradation in Environment via Biotechnological Approaches. Water (Switzerland), 2022, 14, 4053.	1.2	9
2530	Marine-Derived Actinomycetes: Biodegradation of Plastics and Formation of PHA Bioplasticsâ€"A Circular Bioeconomy Approach. Marine Drugs, 2022, 20, 760.	2.2	4
2532	Microplastic discharge from a wastewater treatment plant: long term monitoring to compare two analytical techniques, LDIR and optical microscopy while also assessing the removal efficiency of a bubble curtain. Water Science and Technology, 2023, 87, 39-56.	1.2	4
2533	Carbon Footprint of Single-Use Plastic Items and Their Substitution. Sustainability, 2022, 14, 16563.	1.6	6

#	Article	IF	Citations
2534	On the use of household expenditure surveys to monitor mismanaged plastic waste from food packaging in low- and middle-income countries. Environmental Research Letters, 2022, 17, 124029.	2.2	0
2535	Microalgae colonization and trace element accumulation on the plastisphere of marine plastic debris in Monastir Bay (Eastern Tunisia). Environmental Science and Pollution Research, 2023, 30, 32427-32451.	2.7	1
2536	Environmental risks due to the presence of microplastics in coastal and marine environments of the Colombian Caribbean. Marine Pollution Bulletin, 2022, 185, 114357.	2.3	6
2537	Marine Litter Sources and Distribution Pathways. , 2023, , 35-89.		0
2539	Synthetic microplastic abundance and composition along a longitudinal gradient traversing the subtropical gyre in the North Atlantic Ocean. Marine Pollution Bulletin, 2022, 185, 114371.	2.3	11
2540	Marine litter pollution of breeding colony and habitat use patterns of Black-tailed gulls in South Korea. Marine Pollution Bulletin, 2022, 185, 114363.	2.3	2
2541	Morphological Alterations in the Early Developmental Stages of Zebrafish (Danio rerio; Hamilton) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 and Toxicology, 2023, 110, .	1.3	0
2543	Evidence and Mass Quantification of Atmospheric Microplastics in a Coastal New Zealand City. Environmental Science & Technology, 2022, 56, 17556-17568.	4.6	24
2544	Response to Comment on â€œThe missing ocean plastic sink: Gone with the riversâ€• Science, 2022, 377, .	6.0	2
2545	Accumulation of microplastics in the bivalve mollusc Unio tumidus under experimental and field exposures. Studia Biologica = Ð'Ð†ÐžÐ›ÐžÐ“Ð†Ð§ÐÐ† Ð¡Ð¢Ð£Ð”Ð†Ð‡ Studia Biologica, 2022, 16, 33-44.	0.1	2
2546	Effects of plasticizer diisobutyl adipate on the Japanese medaka (<scp>Oryzias latipes</scp>) endocrine system. Journal of Applied Toxicology, 2023, 43, 982-992.	1.4	4
2547	Vibrio parahaemolyticus and Vibrio vulnificus in vitro colonization on plastics influenced by temperature and strain variability. Frontiers in Microbiology, 0, 13, .	1.5	4
2548	Discovering untapped microbial communities through metagenomics for microplastic remediation: recent advances, challenges, and way forward. Environmental Science and Pollution Research, 2023, 30, 81450-81473.	2.7	17
2549	Persistency and Surface Convergence Evidenced by Two Maker Buoys in the Great Pacific Garbage Patch. Journal of Marine Science and Engineering, 2023, 11, 68.	1.2	0
2550	Urethanases for the Enzymatic Hydrolysis of Low Molecular Weight Carbamates and the Recycling of Polyurethanes. Angewandte Chemie - International Edition, 2023, 62, .	7.2	25
2551	Urethanases for the enzymatic hydrolysis of low molecular weight carbamates and the recycling of polyurethanes. Angewandte Chemie, 0, , .	1.6	1
2552	Fish Conservation. , 2024, , 369-387.		0
2553	Impacts of nano/micro-plastics on safety and quality of aquatic food products. Advances in Food and Nutrition Research, 2023, , 1-40.	1.5	2

#	Article	IF	Citations
2554	Computational Design and Manufacturing of Sustainable Materials through First-Principles and Materiomics. Chemical Reviews, 2023, 123, 2242-2275.	23.0	16
2555	Anthropogenic litter on sandy beaches in Mumbai Coast, India: a baseline assessment for better management. Arabian Journal of Geosciences, 2023, 16, .	0.6	0
2556	Microplastics in multimedia environment: A systematic review on its fate, transport, quantification, health risk, and remedial measures. Groundwater for Sustainable Development, 2023, 20, 100889.	2.3	18
2557	Using artificial intelligence to support marine macrolitter research: A content analysis and an online database. Ocean and Coastal Management, 2023, 233, 106466.	2.0	11
2558	Numerical estimation of the hotspot positions of floating plastic debris in the Tsushima Strait using the adjoint marginal sensitivity method. Ocean Engineering, 2023, 270, 113606.	1.9	3
2559	Microplastics toxicity, detection, and removal from water/wastewater. Marine Pollution Bulletin, 2023, 187, 114546.	2.3	18
2560	Adverse impacts of high-density microplastics on juvenile growth and behaviour of the endangered tri-spine horseshoe crab Tachypleus tridentatus. Marine Pollution Bulletin, 2023, 187, 114535.	2.3	4
2561	Influence of waves on the three-dimensional distribution of plastic in the ocean. Marine Pollution Bulletin, 2023, 187, 114533.	2.3	5
2562	Marine debris and associated organic pollutants in surface waters of ChiloÃ© in the Northern Chilean Patagonia (42Â°â€“44Â°S). Marine Pollution Bulletin, 2023, 187, 114558.	2.3	2
2563	Foraging strategy influences the quantity of ingested micro- and nanoplastics in shorebirds. Environmental Pollution, 2023, 319, 120844.	3.7	4
2564	Recent developments in microplastic contaminated water treatment: Progress and prospects of carbon-based two-dimensional materials for membranes separation. Chemosphere, 2023, 316, 137704.	4.2	14
2565	Plastic leachate-induced toxicity during sea urchin embryonic development: Insights into the molecular pathways affected by PVC. Science of the Total Environment, 2023, 864, 160901.	3.9	11
2566	Anthropogenic marine litter: An approach to environmental quality for India's southeastern Arabian Sea coast. Science of the Total Environment, 2023, 866, 161363.	3.9	12
2567	Historical biomonitoring of pollution trends in the North Pacific using archived samples from the Continuous Plankton Recorder Survey. Science of the Total Environment, 2023, 865, 161222.	3.9	1
2568	Microplastic load of benthic fauna in Jiaozhou Bay, China. Environmental Pollution, 2023, 320, 121073.	3.7	10
2569	Habitual feeding patterns impact polystyrene microplastic abundance and potential toxicity in edible benthic mollusks. Science of the Total Environment, 2023, 866, 161341.	3.9	5
2570	Role of extracellular polymeric substances in the aggregation and biological response of micro(nano)plastics with different functional groups and sizes. Journal of Hazardous Materials, 2023, 446, 130713.	6.5	6
2571	Abiotic Long-Term Simulation of Microplastic Weathering Pathways under Different Aqueous Conditions. Environmental Science & Technology, 2023, 57, 963-975.	4.6	11

#	Article	IF	Citations
2572	Use of UAVs and Deep Learning for Beach Litter Monitoring. Electronics (Switzerland), 2023, 12, 198.	1.8	3
2573	Microplastic Interactions and Possible Combined Biological Effects in Antarctic Marine Ecosystems. Animals, 2023, 13, 162.	1.0	9
2574	Macroplastics in Lakes: An Underrepresented Ecological Problem?. Water (Switzerland), 2023, 15, 60.	1.2	4
2575	Automatic collaborative water surface coverage and cleaning strategy of UAV and USVs. Digital Communications and Networks, 2022, , .	2.7	3
2576	Microplastics in Fish and Fishery Products and Risks for Human Health: A Review. International Journal of Environmental Research and Public Health, 2023, 20, 789.	1.2	32
2577	The analytical/measurement sources of multivariate errors. A case study: Detecting microplastics in sand. , 2023, , 95-118.		0
2578	Simulation of biomass to syngas: Pyrolysis and gasification processes. , 2023, , 159-196.		0
2579	Plastic Waste: Challenges and Opportunities to Mitigate Pollution and Effective Management. International Journal of Environmental Research, 2023, 17, .	1.1	66
2580	Initial discovery of microplastic pollution in Mnemiopsis leidyi (Ctenophora: Lobata). , 2023, , 100140.		0
2581	Protein-Based Biological Materials: Molecular Design and Artificial Production. Chemical Reviews, 2023, 123, 2049-2111.	23.0	31
2582	Genomic and proteomic analysis of Bacillus subtilis as microplastic bioremediation agents. AIP Conference Proceedings, 2023, , .	0.3	0
2583	Harnessing synthetic biology to enhance ocean health. Trends in Biotechnology, 2023, 41, 860-874.	4.9	9
2584	The role of nanomaterials in plastics biodegradability. , 2023, , 283-308.		0
2585	Microplastics: A Matter of the Heart (and Vascular System). Biomedicines, 2023, 11, 264.	1.4	15
2586	Background introduction. , 2023, , 1-28.		0
2587	Litter Content of Colombian Beaches and Mangrove Forests: Results from the Caribbean and Pacific Coasts. Journal of Marine Science and Engineering, 2023, 11, 250.	1.2	5
2588	Recovery of epoxy thermosets and their composites. Materials Today, 2023, 64, 72-97.	8.3	35
2589	Estimated discharge of microplastics via urban stormwater during individual rain events. Frontiers in Environmental Science, 0, 11, .	1.5	6

#	Article	IF	Citations
2590	The Complex Dynamics of Microplastic Migration through Different Aquatic Environments: Subsidies for a Better Understanding of Its Environmental Dispersion. Microplastics, 2023, 2, 62-77.	1.6	5
2591	Pretreatment methods for monitoring microplastics in soil and freshwater sediment samples: A comprehensive review. Science of the Total Environment, 2023, 871, 161718.	3.9	9
2592	Recent advances and future challenges of the starch-based bio-composites for engineering applications. Carbohydrate Polymers, 2023, 307, 120627.	5.1	23
2593	Ecological Risks Related to the Influence of Different Environmental Parameters on the Microplastics Behavior. Environmental Science and Engineering, 2023, , 117-128.	0.1	0
2594	Short-Term Microplastic Exposure Impairs Cognition in Hermit Crabs. Animals, 2023, 13, 1055.	1.0	2
2595	Effect of Salinity and Temperature on the Dispersion of Spilled Oil in the Presence of Microplastics. Journal of Marine Science and Engineering, 2023, 11, 791.	1.2	1
2596	Shared State Responsibility for Land-Based Marine Plastic Pollution. Transnational Environmental Law, 2023, 12, 244-269.	0.7	0
2597	Impacts of marine debris on coral reef ecosystem: A review for conservation and ecological monitoring of the coral reef ecosystem. Marine Pollution Bulletin, 2023, 189, 114755.	2.3	9
2598	Ocean-based sources of plastic pollution: An overview of the main marine activities in the Peruvian EEZ. Marine Pollution Bulletin, 2023, 189, 114785.	2.3	5
2599	Investigation of dynamic change in microplastics vertical distribution patterns: The seasonal effect on vertical distribution. Marine Pollution Bulletin, 2023, 189, 114674.	2.3	6
2600	A global perspective on microplastic bioaccumulation in marine organisms. Ecological Indicators, 2023, 149, 110179.	2.6	14
2601	Microplastic pollution in the Himalayas: Occurrence, distribution, accumulation and environmental impacts. Science of the Total Environment, 2023, 874, 162495.	3.9	17
2602	Country-specific riverine contributions to marine plastic pollution. Science of the Total Environment, 2023, 874, 162552.	3.9	6
2603	Effect of lithological properties of beach sediments on plastic pollution in Bodrum Peninsula (SW) Tj ETQq1 1 0.784314 rgBT /Overlock	2.3	3
2604	Nanoplastics induce more severe multigenerational life-history trait changes and metabolic responses in marine rotifer Brachionus plicatilis: Comparison with microplastics. Journal of Hazardous Materials, 2023, 449, 131070.	6.5	10
2605	Seasonal distribution of microplastics in surface waters of the Northern Indian Ocean. Marine Pollution Bulletin, 2023, 190, 114838.	2.3	6
2606	In-situ and real-time nano/microplastic coatings and dynamics in water using nano-DIHM: A novel capability for the plastic life cycle research. Water Research, 2023, 235, 119898.	5.3	4
2607	Exploring the presence and distribution of microplastics in subterranean estuaries from southwest India. Marine Pollution Bulletin, 2023, 190, 114820.	2.3	11

#	Article	IF	Citations
2608	Review of microplastics in museum specimens: An under-utilized tool to better understand the Plasticene. Marine Pollution Bulletin, 2023, 191, 114922.	2.3	4
2609	A collection device for various-sized microparticles that uses four serial acoustic separations: Working toward microplastic emission prevention. Separation and Purification Technology, 2023, 315, 123697.	3.9	3
2610	Micro- and nanoplastic toxicity: A review on size, type, source, and test-organism implications. Science of the Total Environment, 2023, 878, 162954.	3.9	15
2611	Contribution of plastic and microplastic to global climate change and their conjoining impacts on the environment - A review. Science of the Total Environment, 2023, 875, 162627.	3.9	30
2612	Plastic pollution in the deep-sea Giant red shrimp, Aristaeomorpha foliacea, in the Eastern Ionian Sea; an alarm point on stock and human health safety. Science of the Total Environment, 2023, 877, 162783.	3.9	1
2613	Nanoplastics pose a greater effect than microplastics in enhancing mercury toxicity to marine copepods. Chemosphere, 2023, 325, 138371.	4.2	6
2614	Effects of polypropylene nanofibers on soft corals. Chemosphere, 2023, 327, 138509.	4.2	4
2615	Assessment of microplastics in edible salts from solar saltpans and commercial salts. , 2023, 6, 100032.		2
2616	Characterizing near-surface salinity variability in the northern Bay of Bengal and its potential drivers during extreme freshening years of the 2011â€“2019 period. Dynamics of Atmospheres and Oceans, 2023, 102, 101357.	0.7	0
2617	Source, occurrence, distribution, fate, and implications of microplastic pollutants in freshwater on environment: A critical review and way forward. Chemosphere, 2023, 325, 138367.	4.2	28
2618	Circular transformation in plastic management lessens the carbon footprint of the plastic industry. Materials Today Sustainability, 2023, 22, 100365.	1.9	8
2619	Plastic waste as pyrolysis feedstock for plastic oil production: A review. Science of the Total Environment, 2023, 877, 162719.	3.9	38
2620	Quantitative analysis and risk assessment to full-size microplastics pollution in the coastal marine waters of Hong Kong. Science of the Total Environment, 2023, 879, 163006.	3.9	1
2621	Continents of plastics: An estimate of the stock of microplastics in agricultural soils. Science of the Total Environment, 2023, 880, 163294.	3.9	29
2622	Microplastics in landfill leachate: Sources, detection, occurrence, and removal. Environmental Science and Ecotechnology, 2023, 16, 100256.	6.7	36
2623	The combined effects of polyethylene microplastics and benzoanthracene on Manila clam Ruditapes philippinarum. Chemosphere, 2023, 329, 138664.	4.2	2
2624	Mangrove and microplastic pollution: A case study from a small island (Mauritius). Regional Studies in Marine Science, 2023, 62, 102906.	0.4	1
2625	Assessing bioplastics biodegradability by standard and research methods: Current trends and open issues. Journal of Environmental Chemical Engineering, 2023, 11, 109424.	3.3	16

#	Article	IF	Citations
2626	Microplastics in large marine animals stranded in the Republic of Korea. Marine Pollution Bulletin, 2023, 189, 114734.	2.3	4
2627	Quantifying environmental emissions of microplastics from urban rivers in Melbourne, Australia. Marine Pollution Bulletin, 2023, 189, 114709.	2.3	11
2628	Marine plastic: The solution is bigger than removal. Frontiers in Sustainability, 0, 4, .	1.3	1
2629	Quantification and characterization of microplastics in surface water samples from the Northeast Atlantic Ocean using laser direct infrared imaging. Marine Pollution Bulletin, 2023, 190, 114880.	2.3	5
2630	Microplastics as carriers of iron and copper nanoparticles in aqueous solution. Chemosphere, 2023, 324, 138332.	4.2	8
2631	Microplastics pollution studies in India: A recent review of sources, abundances and research perspectives. Regional Studies in Marine Science, 2023, 61, 102863.	0.4	1
2632	Rational redesign of thermophilic PET hydrolase LCCICCG to enhance hydrolysis of high crystallinity polyethylene terephthalates. Journal of Hazardous Materials, 2023, 453, 131386.	6.5	14
2633	Impacts of microplastics and the associated plastisphere on physiological, biochemical, genetic expression and gut microbiota of the filter-feeder amphioxus. Environment International, 2023, 172, 107750.	4.8	9
2634	Microplastics segregation by rise velocity at the ocean surface. Environmental Research Letters, 2023, 18, 024036.	2.2	6
2635	From marine to freshwater environment: A review of the ecotoxicological effects of microplastics. Ecotoxicology and Environmental Safety, 2023, 251, 114564.	2.9	26
2636	Gaining new insights into macroplastic transport â€˜hotlinesâ€™ and fine-scale retention-remobilisation using small floating high-resolution satellite drifters in the Chao Phraya River estuary of Bangkok. Environmental Pollution, 2023, 320, 121124.	3.7	6
2637	Paternal phthalate exposure-elicited offspring metabolic disorders are associated with altered sperm small RNAs in mice. Environment International, 2023, 172, 107769.	4.8	13
2638	Floating plastic accumulation and distribution around Kuroshio Current, western North Pacific. Marine Pollution Bulletin, 2023, 188, 114604.	2.3	3
2639	A review of microplastic pollution in aquaculture: Sources, effects, removal strategies and prospects. Ecotoxicology and Environmental Safety, 2023, 252, 114567.	2.9	30
2640	How plastic debris and associated chemicals impact the marine food web: A review. Environmental Pollution, 2023, 321, 121156.	3.7	23
2641	A plastic world: A review of microplastic pollution in the freshwaters of the Earth's poles. Science of the Total Environment, 2023, 869, 161847.	3.9	29
2642	Binational survey using Mytilus galloprovincialis as a bioindicator of microplastic pollution: Insights into chemical analysis and potential risk on humans. Science of the Total Environment, 2023, 870, 161894.	3.9	20
2643	Microplastics in Antarctic krill (Euphausia superba) from Antarctic region. Science of the Total Environment, 2023, 870, 161880.	3.9	9

#	Article	IF	Citations
2644	Can the mass of plastic ingested by seabirds be predicted by the number of ingested items?. Marine Pollution Bulletin, 2023, 188, 114673.	2.3	1
2645	Insights into adsorption mechanisms of nitro polycyclic aromatic hydrocarbons on common microplastic particles: Experimental studies and modeling. Chemosphere, 2023, 320, 138050.	4.2	6
2646	Extruded polystyrene microplastics as a source of brominated flame retardant additives in the marine environment: long-term field and laboratory experiments. Environment International, 2023, 172, 107797.	4.8	7
2647	Development of Environmentally-harmonized Plastics from Natural Materials-aiming to Stimuli. Nippon Gomu Kyokaishi, 2022, 95, 298-304.	0.0	0
2648	Proximity to coast and major rivers influence the density of floating microplastics and other litter in east African coastal waters. Marine Pollution Bulletin, 2023, 188, 114644.	2.3	4
2649	Eco-friendly microplastic removal through physical and chemical techniques: a review. Annals of Advances in Chemistry, 2023, 7, .	0.1	1
2650	Regionally disparate ecological responses to microplastic slowing of faecal pellets yields coherent carbon cycle response. Frontiers in Marine Science, 0, 10, .	1.2	4
2651	Effects of Shape on Interaction Dynamics of Tetrahedral Nanoplastics and the Cell Membrane. Journal of Physical Chemistry B, 2023, 127, 1652-1663.	1.2	3
2652	Non-buoyant microplastic settling velocity varies with biofilm growth and ambient water salinity. Communications Earth & Environment, 2023, 4, .	2.6	6
2653	Substantial burial of terrestrial microplastics in the Three Gorges Reservoir, China. Communications Earth & Environment, 2023, 4, .	2.6	11
2654	Equity preferences and abatement cost sharing in international environmental agreements. American Journal of Agricultural Economics, 2024, 106, 416-441.	2.4	3
2655	Spatiotemporal distribution of seabed litter in the SE Levantine Basin during 2012â€“2021. Marine Pollution Bulletin, 2023, 188, 114714.	2.3	2
2656	Anthropogenic litter in terrestrial flora and fauna: Is the situation as bad as in the ocean? A field study in Southern Germany on five meadows and 150 ruminants in comparison with marine debris. Environmental Pollution, 2023, 323, 121304.	3.7	1
2657	Microbial colonization and degradation of marine microplastics in the plastisphere: A review. Frontiers in Microbiology, 0, 14, .	1.5	23
2658	Revealing the capability of the European hake to cope with micro-litter environmental exposure and its inferred potential health impact in the NW Mediterranean Sea. Marine Environmental Research, 2023, 186, 105921.	1.1	3
2659	The risks of marine micro/nano-plastics on seafood safety and human health. Advances in Food and Nutrition Research, 2023, , 229-271.	1.5	1
2660	Remediation plan of nano/microplastic toxicity in food. Advances in Food and Nutrition Research, 2023, , 397-442.	1.5	0
2661	Polymer Chemical Identity as a Key Factor in Microplasticâ€“Insecticide Antagonistic Effects during Embryogenesis of Sea Urchin Arbacia lixula. International Journal of Molecular Sciences, 2023, 24, 4136.	1.8	3

#	Article	IF	Citations
2662	Biodegradable polymersÂâ€“ research and applications. ChemistrySelect, 2024, 9, 949-972.	0.7	0
2663	Bromine Content Differentiates between Construction and Packaging Foams as Sources of Plastic and Microplastic Pollution. ACS ES&T Water, 2023, 3, 876-884.	2.3	4
2664	ESG Investing in â€œWhite Goldâ€: The Case of Lebanese Salinas. Journal of Risk and Financial Management, 2023, 16, 147.	1.1	1
2665	Antibiotic sorption onto microplastics in water: A critical review of the factors, mechanisms and implications. Water Research, 2023, 233, 119790.	5.3	39
2666	Microplastic pollution: An emerging contaminant in aquaculture. Aquaculture and Fisheries, 2023, 8, 603-616.	1.2	13
2667	The dynamics of biofouled particles in vortical flows. Marine Pollution Bulletin, 2023, 189, 114729.	2.3	1
2668	Aerosols as Vectors for Contaminants: A Perspective Based on Outdoor Aerosol Data from Kuwait. Atmosphere, 2023, 14, 470.	1.0	3
2669	Recent trends on microplastics abundance and risk assessment in coastal Antarctica: Regional meta-analysis. Environmental Pollution, 2023, 324, 121385.	3.7	8
2670	The Importance of Biofilms on Microplastic Particles in Their Sinking Behavior and the Transfer of Invasive Organisms between Ecosystems. Micro, 2023, 3, 320-337.	0.9	4
2671	GalÃ¡pagos and the plastic problem. Frontiers in Sustainability, 0, 4, .	1.3	8
2672	<scp>Modeling</scp> carbon export mediated by biofouled microplastics in the Mediterranean Sea. Limnology and Oceanography, 2023, 68, 1078-1090.	1.6	1
2673	A growing plastic smog, now estimated to be over 170 trillion plastic particles afloat in the worldâ€™s oceansâ€”Urgent solutions required. PLoS ONE, 2023, 18, e0281596.	1.1	80
2674	Pelagic microplastics in the North Pacific Subtropical Gyre: A prevalent anthropogenic component of the particulate organic carbon pool. , 2023, 2, .		3
2675	Biological responses of Chironomus sancticaroli to exposure to naturally aged PP microplastics under realistic concentrations. Ecotoxicology, 2023, 32, 300-308.	1.1	1
2676	Plastic waste discharge to the global ocean constrained by seawater observations. Nature Communications, 2023, 14, .	5.8	20
2677	Diet and Plastic Ingestion in the Blackmouth Catshark Galeus melastomus, Rafinesque 1810, in Italian Waters. Animals, 2023, 13, 1039.	1.0	9
2678	Rapid shipboard measurement of net-collected marine microplastic polymer types using near-infrared hyperspectral imaging. Analytical and Bioanalytical Chemistry, 2023, 415, 2989-2998.	1.9	1
2679	The Plastification of Minds. Developments in Corporate Governance and Responsibility, 2023, 19, 183-202.	0.1	0

#	Article	IF	Citations
2680	Microplastics in European sea salts â€“ An example of exposure through consumer choice and of interstudy methodological discrepancies. Ecotoxicology and Environmental Safety, 2023, 255, 114782.	2.9	9
2681	Global Ocean Governance and Ecological Civilization. , 2023, , 125-180.		0
2682	A first assessment of microplastics in the sea waters off the Puglia region. , 0, , 436-445.		0
2683	Overview of microplastic pollution and its influence on the health of organisms. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2023, 58, 412-422.	0.9	10
2684	The Minderoo-Monaco Commission on Plastics and Human Health. Annals of Global Health, 2023, 89, .	0.8	48
2685	Plant Abiotic Stress Factors: Current Challenges of Last Decades and Future Threats. , 0, , .		1
2686	Modeling Microplastic Transport in the Marine Environment: Testing Empirical Models of Particle Terminal Sinking Velocity for Irregularly Shaped Particles. ACS ES&T Water, 2023, 3, 984-995.	2.3	4
2687	Retailer's characteristics and compliance with the single-use plastic bag ban. , 2023, 3, 100019.		0
2688	Reproductive and metabolic toxic effects of polystyrene microplastics in adult female Wistar rats: a mechanistic study. Environmental Science and Pollution Research, 2023, 30, 63185-63199.	2.7	8
2689	Determining the distribution and accumulation patterns of floating litter in the Baltic Sea using modelling tools. Marine Pollution Bulletin, 2023, 190, 114864.	2.3	1
2690	Comparative evaluation of the carbonyl index of microplastics around the Japan coast. Marine Pollution Bulletin, 2023, 190, 114818.	2.3	10
2691	Okyanus KirliliÄŸine KarÅŸÄ± Yeni Bir Finansal YÃ¶ntem: Mavi Tahviller. , 2023, 23, 421-436.		0
2692	Photocatalytic degradation of polyvinyl chloride plastic film by codoping graphene oxide and titanium dioxide. I-managerâ€™s Journal on Civil Engineering, 2022, 12, 1.	0.2	0
2693	A review on effects of microplastics on animal, environment and human health considering One Health perspective. Journal of the Geological Society of Korea, 2023, 59, 365-377.	0.3	3
2694	Effect of corn husk fibre loading on thermal and biodegradable properties of kenaf/cornhusk fibre reinforced corn starch-based hybrid composites. Heliyon, 2023, 9, e15153.	1.4	4
2695	Microplastics in Sediments from a Sandy Beach in Costa Nova (Aveiro, Portugal). Sustainability, 2023, 15, 6186.	1.6	1
2696	First report of â€œwire mesh reinforcementâ€•in avian nest construction. Watershed Ecology and the Environment, 2023, 5, 108-113.	0.6	1
2697	Nanotechnology in Plastic Degradation. Biosciences, Biotechnology Research Asia, 2023, 20, 53-68.	0.2	4

#	Article	IF	Citations
2698	Effects of Cumulative Rainfall Amount and Nearby Sources on Plastic Pieces on the Shoulder. Journal of Environmental Chemistry, 2023, 33, 41-50.	0.1	0
2699	Transfer of Polystyrene Microplastics with Different Functional Groups in the Aquatic Food Chain. Journal of Physics: Conference Series, 2023, 2463, 012059.	0.3	0
2700	COVID-19 personal protective equipment (PPE) contamination in coastal areas of Granada, Spain. Marine Pollution Bulletin, 2023, 191, 114908.	2.3	4
2701	Using machine learning and Biogeochemical-Argo (BGC-Argo) floats to assess biogeochemical models and optimize observing system design. Biogeosciences, 2023, 20, 1405-1422.	1.3	2
2702	Ingestion of microplastics by copepods in Tampa Bay Estuary, FL. Frontiers in Ecology and Evolution, 0, 11, .	1.1	3
2703	Not so dangerous? PET microplastics toxicity on freshwater microalgae and cyanobacteria. Environmental Pollution, 2023, 329, 121628.	3.7	6
2704	Screening for Microplastic Uptake in an Urbanized Freshwater Ecosystem: Chondrostoma nasus (Linnaeus, 1758) Case Study. Water (Switzerland), 2023, 15, 1578.	1.2	4
2705	Comparative microplastic load in two decapod crustaceans Palinurus elephas (Fabricius, 1787) and Nephrops norvegicus (Linnaeus, 1758). Marine Pollution Bulletin, 2023, 191, 114912.	2.3	3
2706	New insights in to the environmental behavior and ecological toxicity of microplastics. Journal of Hazardous Materials Advances, 2023, 10, 100298.	1.2	11
2707	Microplastics as an emerging menace to environment: Insights into their uptake, prevalence, fate, and sustainable solutions. Environmental Research, 2023, 229, 115922.	3.7	10
2708	New insights into the migration, distribution and accumulation of micro-plastic in marine environment: A critical mechanism review. Chemosphere, 2023, 330, 138572.	4.2	7
2709	Microplastics and nanoplastics toxicity assays: A revision towards to environmental-relevance in water environment. Journal of Hazardous Materials, 2023, 454, 131476.	6.5	13
2710	Toxicity testing of nonwovens used for production of respiratory protective equipment. Central European Journal of Public Health, 2023, 31, 74-80.	0.4	0
2711	A marine plastic cloud - Global mass balance assessment of oceanic plastic pollution. Continental Shelf Research, 2023, 255, 104947.	0.9	13
2737	Role of genetically engineered yeast in plastic degradation. , 2023, , 567-584.		0
2755	Bioconversion of waste to polyhydroxyalkanoatesâ€"A circular bioeconomic approach. , 2023, , 509-525.		0
2768	The genus Artemia, the nanoplastics, the microplastics, and their toxic effects: a review. Environmental Science and Pollution Research, 2023, 30, 83025-83050.	2.7	3
2774	Microplastics in Mediterranean Seawater. SpringerBriefs in Environmental Science, 2023, , 67-81.	0.3	0

#	Article	IF	Citations
2778	Microplastics in water: types, detection, and removal strategies. Environmental Science and Pollution Research, 2023, 30, 84933-84948.	2.7	4
2781	Conveyance, Bounty, and Dangers of Microplastics in Nature. , 2023, , 107-129.		0
2789	Biosurfactants for Plastic Biodegradation. , 2023, , 37-53.		0
2790	The Impacts of Plastics on Environmental Sustainability and Ways to Degrade Microplastics. , 2023, , 17-35.		0
2810	Microplastics in mariculture: Source, fate, and management. Advances in Chemical Pollution, Environmental Management and Protection, 2023, , .	0.3	0
2815	Designing a Sustainable Material for 3D Printing with Spent Coffee Grounds. , 2023, , .		5
2817	Micro/nanoplastics pollution in the global mangrove ecosystem: A comprehensive review on the sources, fates and effects. Advances in Chemical Pollution, Environmental Management and Protection, 2023, , .	0.3	0
2863	Characterization and Toxicology of Microplastics in Soils, Water and Air. Environmental Chemistry for A Sustainable World, 2023, , 23-63.	0.3	0
2864	Microplastic Sources, Transport, Exposure, Analysis and Removal. Environmental Chemistry for A Sustainable World, 2023, , 175-209.	0.3	0
2870	Applications of bionanocomposites in high entropy alloys. , 2024, , 277-292.		0
2886	Environmental Microplastics Distribution, Impact, and Determination Methods: a Review. Journal of Analytical Chemistry, 2023, 78, 1199-1212.	0.4	2
2898	Quantification of Floating Plastics Using UAV Images and Identification of Microplastics in Ukkadam Tank, Coimbatore, Tamil Nadu. Springer Proceedings in Earth and Environmental Sciences, 2023, , 333-348.	0.2	0
2904	Impact of Microplastics on Flora and Fauna. , 2023, , 45-68.		0
2917	Opportunities for Circular Business Models and Circular Design Related to Fishing Gear. , 2023, , 81-106.		0
2918	Communities on Indonesian Shorelines: Ocean Plastic Through the Eyes of Local People. , 2023, , 289-319.		0
2923	Microplastic Research Publications from 1991 to 2020. Environmental Chemistry for A Sustainable World, 2023, , 1-21.	0.3	0
2925	Ecotoxicology and response to pollutants. , 2024, , 249-260.		0
2933	Kunststoff. , 2023, , 101-188.		0

#	Article	IF	Citations
2939	Increasing the Capture of Plastic Waste in the Mangrove Area of the East Coast of Surabaya. , 2024, , 142-149.		0
2941	Biodegradation Control of Ocean-Degradable Plastics by Photo-Switching. , 2023, , 113-120.		0
2943	Distribution of Microplastics in Man-made Water Bodies. , 2023, , 197-220.		0
2963	Sea cucumber response to microplastic pollution. , 2024, , 505-518.		0
2986	Microplastic in Ecosystems: Abundance, Transportation, and Biodegradation. ACS Symposium Series, 0, , 1-18.	0.5	0
2989	Effects of Polyethylene Microplastics and Natural Sands on the Dispersion of Spilled Oil in the Marine Environment. Environmental Science and Engineering, 2023, , 35-43.	0.1	0
3001	Design and Implementation of Plastic and Microplastic Collection System. , 2024, , 725-732.		0
3018	Sustainability Transitions of Cities in the Global South Experiencing Severe Plastic Pollution: A Geospatial Perspective. Advances in Science, Technology and Innovation, 2023, , 91-93.	0.2	0
3019	Impact of Physical and Chemical Processes on Marine Environment. , 2023, , 3-25.		0
3024	Unmanned Vehicle and Hyperspectral Imager for a More Rapid Microplastics Sampling and Analysis. , 2023, , .		0
3035	Governance and Socio-Ecological Aspects of Plastics Pollution in Coastal and Marine Environments. , 2024, , 765-799.		0
3054	Microplastics in River Sediments Around the Dhaka City: A Case Study for Occurrence and Quantification. Lecture Notes in Civil Engineering, 2024, , 101-114.	0.3	0
3061	Sorption of toxic chemicals on microplastics. , 2024, , 113-139.		0
3064	Microplastics particles in coastal zone: Approach of physical oceanography. , 2024, , 249-310.		0
3080	Nanomaterial-based electrochemical chemo(bio)sensors for the detection of nanoplastic residues: trends and future prospects. , 2024, 2, 832-851.		0
3097	A Critical Review of Marine Microfiber Pollution Routes, Toxicity, and Its Sustainable Remediation. Environmental Science and Engineering, 2024, , 189-211.	0.1	0
3099	Advanced and Smart Technology for Sustainable Management of Microfiber Waste. Environmental Science and Engineering, 2024, , 261-278.	0.1	0
3120	Global Impact of Plastic Pollution and Its Management for Sustainable Development. Impact of Meat Consumption on Health and Environmental Sustainability, 2023, , 122-152.	0.4	0

#	Article	IF	Citations