

Studies of the effects of microplastics on aquatic organisms  
where should we focus our efforts in the future?

Science of the Total Environment

645, 1029-1039

DOI: [10.1016/j.scitotenv.2018.07.207](https://doi.org/10.1016/j.scitotenv.2018.07.207)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The sea urchin <i>Paracentrotus lividus</i> as a bioeroder of plastic. <i>Science of the Total Environment</i> , 2019, 693, 133621.	3.9	36
2	Impacts of plastic products used in daily life on the environment and human health: What is known?. <i>Environmental Toxicology and Pharmacology</i> , 2019, 72, 103239.	2.0	141
3	Plastic sources: A survey across scientific and grey literature for their inventory and relative contribution to microplastics pollution in natural environments, with an emphasis on surface water. <i>Science of the Total Environment</i> , 2019, 693, 133499.	3.9	210
4	Microplastics in special protected areas for migratory birds in the Bay of Biscay. <i>Marine Pollution Bulletin</i> , 2019, 146, 993-1001.	2.3	65
5	Spatial distribution of meso and microplastics in the sediments of river Ganga at eastern India. <i>Science of the Total Environment</i> , 2019, 694, 133712.	3.9	148
6	Plastics occurrence in the gastrointestinal tract of <i>Zeus faber</i> and <i>Lepidopus caudatus</i> from the Tyrrhenian Sea. <i>Marine Pollution Bulletin</i> , 2019, 146, 408-416.	2.3	39
7	Brain food? Trophic transfer and tissue retention of microplastics by the velvet swimming crab ( <i>Necora puber</i> ). <i>Journal of Experimental Marine Biology and Ecology</i> , 2019, 519, 151187.	0.7	34
8	Determining the provenance and authenticity of seafood: A review of current methodologies. <i>Trends in Food Science and Technology</i> , 2019, 91, 294-304.	7.8	84
9	Microplastic in the sediments of a highly eutrophic tropical estuary. <i>Marine Pollution Bulletin</i> , 2019, 146, 326-335.	2.3	68
10	Small-Sized Microplastics Negatively Affect Rotifers: Changes in the Key Life-History Traits and Rotifer "Phaeocystis" Population Dynamics. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9241-9251.	4.6	69
11	Composition and abundance of microplastics in surface sediments and their interaction with sedimentary heavy metals, PAHs and TPH (total petroleum hydrocarbons). <i>Marine Pollution Bulletin</i> , 2019, 149, 110655.	2.3	37
12	The potential of microplastics as carriers of metals. <i>Environmental Pollution</i> , 2019, 255, 113363.	3.7	367
13	Molecular characterisation of cytochrome P450 enzymes in waterflea ( <i>Daphnia pulex</i> ) and their expression regulation by polystyrene nanoplastics. <i>Aquatic Toxicology</i> , 2019, 217, 105350.	1.9	39
14	Plastic Particle Ingestion by Wild Freshwater Fish: A Critical Review. <i>Environmental Science &amp; Technology</i> , 2019, 53, 12974-12988.	4.6	129
15	Bioplastics: Missing link in the era of Microplastics. <i>Science of the Total Environment</i> , 2019, 697, 134139.	3.9	178
16	Microplastics modify the toxicity of glyphosate on <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2019, 697, 134194.	3.9	69
17	Interactive effects of warming and microplastics on metabolism but not feeding rates of a key freshwater detritivore. <i>Environmental Pollution</i> , 2019, 255, 113259.	3.7	44
18	Temperature and clone-dependent effects of microplastics on immunity and life history in <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2019, 255, 113178.	3.7	47

#	ARTICLE	IF	CITATIONS
19	Wastewater treatment plants as a source of plastics in the environment: a review of occurrence, methods for identification, quantification and fate. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1908-1931.	1.2	112
20	A value-added insight of reusing microplastic waste: Carrier particle in fluidized bed bioreactor for simultaneous carbon and nitrogen removal from septic wastewater. <i>Biochemical Engineering Journal</i> , 2019, 151, 107300.	1.8	14
21	Sorption and desorption of organic UV filters onto microplastics in single and multi-solute systems. <i>Environmental Pollution</i> , 2019, 254, 113066.	3.7	36
22	Nanoplastics and marine organisms: What has been studied?. <i>Environmental Toxicology and Pharmacology</i> , 2019, 67, 1-7.	2.0	185
23	Abundance of non-conservative microplastics in the upper ocean from 1957 to 2066. <i>Nature Communications</i> , 2019, 10, 417.	5.8	288
24	A micro(nano)plastic boomerang tale: A never ending story?. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 112, 196-200.	5.8	89
25	Massive Open Online Education for Environmental Activism: The Worldwide Problem of Marine Litter. <i>Sustainability</i> , 2019, 11, 2860.	1.6	17
26	Effects of Nylon Microplastic on Feeding, Lipid Accumulation, and Moulting in a Coldwater Copepod. <i>Environmental Science &amp; Technology</i> , 2019, 53, 7075-7082.	4.6	151
27	River Deltas as hotspots of microplastic accumulation: The case study of the Ebro River (NW). <i>Journal of Great Lakes Research</i> , 2019, 45, 422-432.	3.9	194
28	MODELPlastics workshop - Modelling Ocean Plastic Litter in a Changing Climate: Gaps and future directions. <i>Marine Pollution Bulletin</i> , 2019, 146, 22-25.	2.3	11
29	Adverse outcome pathways potentially related to hazard identification of microplastics based on toxicity mechanisms. <i>Chemosphere</i> , 2019, 231, 249-255.	4.2	165
30	Mediated food and hydrodynamics on the ingestion of microplastics by <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2019, 251, 434-441.	3.7	23
31	A preliminary screening of HBCD enantiomers transported by microplastics in wastewater treatment plants. <i>Science of the Total Environment</i> , 2019, 674, 171-178.	3.9	73
32	The why and how of micro(nano)plastic research. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 114, 196-201.	5.8	119
33	Microplastics in drinking water treatment – Current knowledge and research needs. <i>Science of the Total Environment</i> , 2019, 667, 730-740.	3.9	263
34	Interaction between microplastics and microorganism as well as gut microbiota: A consideration on environmental animal and human health. <i>Science of the Total Environment</i> , 2019, 667, 94-100.	3.9	258
35	Polystyrene nanoplastics alter the cytotoxicity of human pharmaceuticals on marine fish cell lines. <i>Environmental Toxicology and Pharmacology</i> , 2019, 69, 57-65.	2.0	76
36	Microplastic exposure and effects in aquatic organisms: A physiological perspective. <i>Environmental Toxicology and Pharmacology</i> , 2019, 68, 37-51.	2.0	221

#	ARTICLE	IF	CITATIONS
37	Insights into the uptake, elimination and accumulation of microplastics in mussel. <i>Environmental Pollution</i> , 2019, 249, 321-329.	3.7	111
38	Editorial: Impacts of Marine Litter. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	87
39	Effect of microplastics exposure on the photosynthesis system of freshwater algae. <i>Journal of Hazardous Materials</i> , 2019, 374, 219-227.	6.5	246
40	The Multixenobiotic resistance system as a possible protective response triggered by microplastic ingestion in Mediterranean mussels ( <i>Mytilus galloprovincialis</i> ): Larvae and adult stages. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 219, 50-58.	1.3	19
41	Is plastic ingestion in birds as toxic as we think? Insights from a plastic feeding experiment. <i>Science of the Total Environment</i> , 2019, 665, 660-667.	3.9	62
42	The ecotoxicological effects of microplastics on aquatic food web, from primary producer to human: A review. <i>Ecotoxicology and Environmental Safety</i> , 2019, 173, 110-117.	2.9	373
43	Detection of Various Microplastics in Human Stool. <i>Annals of Internal Medicine</i> , 2019, 171, 453-457.	2.0	939
45	Microbiological perspectives on the effects of microplastics on the aquatic environment. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 348, 012048.	0.2	2
46	Measuring Marine Plastic Debris from Space: Initial Assessment of Observation Requirements. <i>Remote Sensing</i> , 2019, 11, 2443.	1.8	97
47	Microplastic Contamination Has Limited Effects on Coral Fertilisation and Larvae. <i>Diversity</i> , 2019, 11, 228.	0.7	29
48	Accumulation and fate of nano- and micro-plastics and associated contaminants in organisms. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 139-147.	5.8	187
49	Significance of interactions between microplastics and POPs in the marine environment: A critical overview. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 252-260.	5.8	313
50	Ecotoxicological effects of microplastics: Examination of biomarkers, current state and future perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 37-46.	5.8	324
51	Review on the occurrence and fate of microplastics in Sewage Treatment Plants. <i>Journal of Hazardous Materials</i> , 2019, 367, 504-512.	6.5	269
52	The influence of microplastics on trophic interaction strengths and oviposition preferences of dipterans. <i>Science of the Total Environment</i> , 2019, 651, 2420-2423.	3.9	36
53	Exposure to microplastics reduces attachment strength and alters the haemolymph proteome of blue mussels ( <i>Mytilus edulis</i> ). <i>Environmental Pollution</i> , 2019, 246, 423-434.	3.7	150
54	Examining effects of ontogenic microplastic transference on <i>Culex</i> mosquito mortality and adult weight. <i>Science of the Total Environment</i> , 2019, 651, 871-876.	3.9	58
55	Effect of co-feeding HDPE on the product distribution in the hydrocracking of VGO. <i>Catalysis Today</i> , 2020, 353, 197-203.	2.2	21

#	ARTICLE	IF	CITATIONS
56	How much are microplastics harmful to the health of amphibians? A study with pristine polyethylene microplastics and <i>Physalaemus cuvieri</i> . <i>Journal of Hazardous Materials</i> , 2020, 382, 121066.	6.5	105
57	Co-cracking of high-density polyethylene (HDPE) and vacuum gasoil (VGO) under refinery conditions. <i>Chemical Engineering Journal</i> , 2020, 382, 122602.	6.6	20
58	Bioavailability and toxicity of microplastics to fish species: A review. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 109913.	2.9	277
59	Microplastic fibers transfer from the water to the internal fluid of the sea cucumber <i>Apostichopus japonicus</i> . <i>Environmental Pollution</i> , 2020, 257, 113606.	3.7	40
60	Microplastics: Sources and distribution in surface waters and sediments of Todos Santos Bay, Mexico. <i>Science of the Total Environment</i> , 2020, 703, 134838.	3.9	62
61	Cytogenotoxic potential of a hazardous material, polystyrene microparticles on <i>Allium cepa</i> L.. <i>Journal of Hazardous Materials</i> , 2020, 385, 121560.	6.5	120
62	Microplastic occurrence and effects in commercially harvested North American finfish and shellfish: Current knowledge and future directions. <i>Limnology and Oceanography Letters</i> , 2020, 5, 113-136.	1.6	46
63	Developmental toxicity in zebrafish exposed to polyethylene microplastics under static and semi-static aquatic systems. <i>Science of the Total Environment</i> , 2020, 700, 134867.	3.9	127
64	Dynamics of interaction and effects of microplastics on planarian tissue regeneration and cellular homeostasis. <i>Aquatic Toxicology</i> , 2020, 218, 105354.	1.9	25
65	Occurrence and removal of microplastics in an advanced drinking water treatment plant (ADWTP). <i>Science of the Total Environment</i> , 2020, 700, 134520.	3.9	307
66	Identification of microplastics in wastewater samples by means of polarized light optical microscopy. <i>Environmental Science and Pollution Research</i> , 2020, 27, 7409-7419.	2.7	56
67	Chronic dietary exposure to polystyrene microplastics in maturing Japanese medaka ( <i>Oryzias latipes</i> ). <i>Aquatic Toxicology</i> , 2020, 220, 105396.	1.9	85
68	Behavior and biochemical responses of the polychaeta <i>Hediste diversicolor</i> to polystyrene nanoplastics. <i>Science of the Total Environment</i> , 2020, 707, 134434.	3.9	60
69	Microplastics in wild fish from North East Atlantic Ocean and its potential for causing neurotoxic effects, lipid oxidative damage, and human health risks associated with ingestion exposure. <i>Science of the Total Environment</i> , 2020, 717, 134625.	3.9	465
70	A Call for Collaboration among Water Quality and Fisheries Professionals. <i>Fisheries</i> , 2020, 45, 157-162.	0.6	4
71	A nationwide assessment of litter on China's beaches using citizen science data. <i>Environmental Pollution</i> , 2020, 258, 113756.	3.7	36
72	Effect of nanoplastics on fish health and performance: A review. <i>Marine Pollution Bulletin</i> , 2020, 151, 110791.	2.3	94
73	Evaluation of the hazard of irregularly-shaped co-polyamide microplastics on the freshwater non-biting midge <i>Chironomus riparius</i> through its life cycle. <i>Chemosphere</i> , 2020, 244, 125487.	4.2	42

#	ARTICLE	IF	CITATIONS
74	Identification of adverse outcome pathway related to high-density polyethylene microplastics exposure: <i>Caenorhabditis elegans</i> transcription factor RNAi screening and zebrafish study. <i>Journal of Hazardous Materials</i> , 2020, 388, 121725.	6.5	34
75	Do nanoplastics impact the ability of the polychaeta <i>Hediste diversicolor</i> to regenerate?. <i>Ecological Indicators</i> , 2020, 110, 105921.	2.6	29
76	Impacts of polystyrene microplastics on <i>Daphnia magna</i> : A laboratory and a mesocosm study. <i>Science of the Total Environment</i> , 2020, 705, 135800.	3.9	44
77	Foaming at the mouth: Ingestion of floral foam microplastics by aquatic animals. <i>Science of the Total Environment</i> , 2020, 705, 135826.	3.9	41
78	ZEB316: A Small Stand-Alone Housing System to Study Microplastics in Small Teleosts. <i>Zebrafish</i> , 2020, 17, 18-26.	0.5	2
79	Establishment of a brain cell line (FuB-1) from mummichog ( <i>Fundulus heteroclitus</i> ) and its application to fish virology, immunity and nanoplastics toxicology. <i>Science of the Total Environment</i> , 2020, 708, 134821.	3.9	35
80	Microplastics in the environment: A DPSIR analysis with focus on the responses. <i>Science of the Total Environment</i> , 2020, 718, 134968.	3.9	70
81	Airborne Microplastics. , 2020, , 1-25.		2
82	An assessment of microplastic inputs into the aquatic environment from wastewater streams. <i>Marine Pollution Bulletin</i> , 2020, 160, 111538.	2.3	62
83	Consideration of emerging environmental contaminants in africa: Review of occurrence, formation, fate, and toxicity of plastic particles. <i>Scientific African</i> , 2020, 9, e00546.	0.7	10
84	Microplastic ingestion in important commercial fish in the southern Caspian Sea. <i>Marine Pollution Bulletin</i> , 2020, 160, 111598.	2.3	60
85	Photo-Oxidative Degradation Mitigated the Developmental Toxicity of Polyamide Microplastics to Zebrafish Larvae by Modulating Macrophage-Triggered Proinflammatory Responses and Apoptosis. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13888-13898.	4.6	59
86	Microplastics in hot water. <i>Nature Food</i> , 2020, 1, 671-672.	6.2	19
87	Intergenerational microplastics impact the intertidal barnacle <i>Amphibalanus amphitrite</i> during the planktonic larval and benthic adult stages. <i>Environmental Pollution</i> , 2020, 267, 115560.	3.7	24
88	First report from North America of microplastics in the gastrointestinal tract of stranded bottlenose dolphins ( <i>Tursiops truncatus</i> ). <i>Marine Pollution Bulletin</i> , 2020, 160, 111677.	2.3	36
89	Effects of sediment-associated Cu on <i>Tubifex tubifex</i> – Insights gained by standard ecotoxicological and novel, but simple, bioturbation endpoints. <i>Environmental Pollution</i> , 2020, 266, 115251.	3.7	8
90	A Meta-analysis of Ecotoxicological Hazard Data for Nanoplastics in Marine and Freshwater Systems. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2588-2598.	2.2	42
91	What are the drivers of microplastic toxicity? Comparing the toxicity of plastic chemicals and particles to <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2020, 267, 115392.	3.7	191

#	ARTICLE	IF	CITATIONS
92	In situ and low-cost monitoring of particles falling from freshwater animals: from microplastics to parasites. , 2020, 8, coaa088.		4
93	High prevalence of plastic ingestion by <i>Eriocheir sinensis</i> and <i>Carcinus maenas</i> (Crustacea: Decapoda: Tj ETQq1 1 0.784314, ggBT /Over	3.7	29
94	Realistic polyethylene terephthalate nanoplastics and the size- and surface coating-dependent toxicological impacts on zebrafish embryos. <i>Environmental Science: Nano</i> , 2020, 7, 2313-2324.	2.2	48
95	A metrologically traceable protocol for the quantification of trace metals in different types of microplastic. <i>PLoS ONE</i> , 2020, 15, e0236120.	1.1	19
96	Microplastics in Freshwater: What Is the News from the World?. <i>Diversity</i> , 2020, 12, 276.	0.7	97
97	Interaction of Invertebrates and Synthetic Polymers in Soil: A Review. <i>Russian Journal of Ecology</i> , 2020, 51, 503-517.	0.3	11
98	Microplastics contamination along the coastal waters of NW Portugal. <i>Case Studies in Chemical and Environmental Engineering</i> , 2020, 2, 100056.	2.9	9
99	Transport and Deposition of Microplastics and Mesoplastics along the River Course: A Case Study of a Small River in Central Italy. <i>Hydrology</i> , 2020, 7, 90.	1.3	29
100	Microplastics uptake and accumulation in the digestive system of the mud crab <i>Rhithropanopeus harrisi</i> . <i>Proceedings of the Estonian Academy of Sciences</i> , 2020, 69, 35.	0.9	15
101	Perspectives on Micro(Nano)Plastics in the Marine Environment: Biological and Societal Considerations. <i>Water (Switzerland)</i> , 2020, 12, 3208.	1.2	22
102	Release of Plastics to Australian Land from Biosolids End-Use. <i>Environmental Science &amp; Technology</i> , 2020, 54, 15132-15141.	4.6	62
103	Ingestion of Microplastic by Fish of Different Feeding Habits in Urbanized and Non-urbanized Streams in Southern Brazil. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	47
104	Microplastic-associated trophic transfer of benzo(k)fluoranthene in a limnic food web: Effects in two freshwater invertebrates ( <i>Daphnia magna</i> , <i>Chironomus riparius</i> ) and zebrafish ( <i>Danio rerio</i> ). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 237, 108849.	1.3	14
105	Inhibitory effects of polystyrene microplastics on caudal fin regeneration in zebrafish larvae. <i>Environmental Pollution</i> , 2020, 266, 114664.	3.7	25
106	The long-term legacy of plastic mass production. <i>Science of the Total Environment</i> , 2020, 746, 141115.	3.9	73
107	Persistent organic pollutants, metals, and the bacterial community composition associated with microplastics in Muskegon Lake (MI). <i>Journal of Great Lakes Research</i> , 2020, 46, 1444-1458.	0.8	29
108	Anthropogenic litter in freshwater environments – Study on lake beaches evaluating marine guidelines and aerial imaging. <i>Environmental Research</i> , 2020, 189, 109945.	3.7	19
109	A Review of Microplastics in Freshwater Environments: Locations, Methods, and Pollution Loads. <i>ACS Symposium Series</i> , 2020, , 65-90.	0.5	3

#	ARTICLE	IF	CITATIONS
110	Investigation of Microplastics in Freshwater Mussels ( <i>Lasmigona costata</i> ) From the Grand River Watershed in Ontario, Canada. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	35
111	Microplastic degradation by bacteria in aquatic ecosystem. , 2020, , 431-467.		23
112	Assessing urban microplastic pollution in a benthic habitat of Patagonia Argentina. <i>Marine Pollution Bulletin</i> , 2020, 159, 111491.	2.3	38
113	Insights into nanoplastics effects on human health. <i>Science Bulletin</i> , 2020, 65, 1966-1969.	4.3	19
114	Microplastic exposure interacts with habitat degradation to affect behaviour and survival of juvenile fish in the field. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201947.	1.2	26
115	Effects of microplastics and nanoplastics on marine environment and human health. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44743-44756.	2.7	115
116	Micro- and nanoplastics â€“ current state of knowledge with the focus on oral uptake and toxicity. <i>Nanoscale Advances</i> , 2020, 2, 4350-4367.	2.2	125
117	Microplastics in Ecosystems: From Current Trends to Bio-Based Removal Strategies. <i>Molecules</i> , 2020, 25, 3954.	1.7	30
118	Effects of Weathering on the Sorption Behavior and Toxicity of Polystyrene Microplastics in Multi-solute Systems. <i>Water Research</i> , 2020, 187, 116419.	5.3	61
119	Physical and Mechanical Properties of Poly(Butylene Succinate) and Poly(Lactic Acid) under Landfill Conditions. <i>Key Engineering Materials</i> , 2020, 856, 245-252.	0.4	1
120	Quality Criteria for Microplastic Effect Studies in the Context of Risk Assessment: A Critical Review. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11692-11705.	4.6	172
121	Determination of Environmental Micro(Nano)Plastics by Matrix-Assisted Laser Desorption/Ionizationâ€“Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 14346-14356.	3.2	57
122	Interacting Effects of Polystyrene Microplastics and the Antidepressant Amitriptyline on Early Life Stages of Brown Trout ( <i>Salmo trutta f. fario</i> ). <i>Water (Switzerland)</i> , 2020, 12, 2361.	1.2	19
123	Microplastics pollution in China water ecosystems: a review of the abundance, characteristics, fate, risk and removal. <i>Water Science and Technology</i> , 2020, 82, 1495-1508.	1.2	8
124	Plasticizers as Microplastics Tracers in Tunisian Marine Environment. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	18
125	Uptake/release of organic contaminants by microplastics: A critical review of influencing factors, mechanistic modeling, and thermodynamic prediction methods. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1356-1400.	6.6	22
126	Determination of Microplastics in Surface Water and Sediment of Kelantan Bay. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 549, 012059.	0.2	5
127	Citizen science reveals microplastic hotspots within tidal estuaries and the remote Scilly Islands, United Kingdom. <i>Marine Pollution Bulletin</i> , 2020, 161, 111776.	2.3	28



#	ARTICLE	IF	CITATIONS
128	Critical aspects on off-line pyrolysis-based quantification of microplastic in environmental samples. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 152, 104830.	2.6	17
129	Invertebrate responses to microplastic ingestion: Reviewing the role of the antioxidant system. <i>Science of the Total Environment</i> , 2020, 734, 138559.	3.9	109
130	Estimation of plastic waste inputs from land into the Persian Gulf and the Gulf of Oman: An environmental disaster, scientific and social concerns. <i>Science of the Total Environment</i> , 2020, 733, 138942.	3.9	37
131	Global distribution of microplastics and its impact on marine environment—a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 25970-25986.	2.7	184
132	Ecological and toxicological manifestations of microplastics: current scenario, research gaps, and possible alleviation measures. <i>Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis</i> , 2020, 38, 1-20.	0.4	14
133	First evidence of microplastic pollution in the El Quetzalito sand beach of the Guatemalan Caribbean. <i>Marine Pollution Bulletin</i> , 2020, 156, 111220.	2.3	32
134	Are we underestimating microplastic abundance in the marine environment? A comparison of microplastic capture with nets of different mesh-size. <i>Environmental Pollution</i> , 2020, 265, 114721.	3.7	286
135	A review on challenges and developments of analytical pyrolysis and other thermoanalytical techniques for the quali-quantitative determination of microplastics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 149, 104841.	2.6	88
136	Nano-plastics and their analytical characterisation and fate in the marine environment: From source to sea. <i>Science of the Total Environment</i> , 2020, 732, 138792.	3.9	96
137	Microplastics combined with tetracycline in soils facilitate the formation of antibiotic resistance in the <i>Enchytraeus crypticus</i> microbiome. <i>Environmental Pollution</i> , 2020, 264, 114689.	3.7	69
138	Global trends and prospects in microplastics research: A bibliometric analysis. <i>Journal of Hazardous Materials</i> , 2020, 400, 123110.	6.5	132
139	Quantification of microplastics: Which parameters are essential for a reliable inter-study comparison?. <i>Marine Pollution Bulletin</i> , 2020, 157, 111330.	2.3	17
140	Standardized protocols for microplastics determinations in environmental samples from the Gulf and marginal seas. <i>Marine Pollution Bulletin</i> , 2020, 158, 111374.	2.3	33
141	Biological and Ecological Impacts of Plastic Debris in Aquatic Ecosystems. <i>Handbook of Environmental Chemistry</i> , 2020, , 1.	0.2	4
142	Microplastics as contaminants in freshwater environments: A multidisciplinary review. <i>Ecohydrology and Hydrobiology</i> , 2020, 20, 333-345.	1.0	50
143	Microplastics on beaches along the eastern Gulf of Thailand — A preliminary study. <i>Marine Pollution Bulletin</i> , 2020, 157, 111345.	2.3	58
144	Effects of chronic exposure to microplastics of different polymer types on early life stages of sea trout <i>Salmo trutta</i> . <i>Science of the Total Environment</i> , 2020, 740, 139922.	3.9	39
145	First quantification of semi-crystalline microplastics in industrial wastewaters. <i>Chemosphere</i> , 2020, 258, 127388.	4.2	46

#	ARTICLE	IF	CITATIONS
146	An overview of recent advances in micro/nano beads and microfibers research: Critical assessment and promoting the less known. <i>Science of the Total Environment</i> , 2020, 740, 139991.	3.9	45
147	Approaching the environmental problem of microplastics: Importance of WWTP treatments. <i>Science of the Total Environment</i> , 2020, 740, 140016.	3.9	141
148	The plastic brain: neurotoxicity of micro- and nanoplastics. <i>Particle and Fibre Toxicology</i> , 2020, 17, 24.	2.8	273
149	Quantitative <sup>1</sup> H-NMR spectroscopy as an efficient method for identification and quantification of PVC, ABS and PA microparticles. <i>Analyst</i> , The, 2020, 145, 5363-5371.	1.7	23
150	Neurotoxicity, oxidative stress biomarkers and haematological responses in African catfish ( <i>Clarias fuscus</i> ) exposed to microplastics. <i>Part - C: Toxicology and Pharmacology</i> , 2020, 232, 108741.	1.3	56
151	Oxidative stress-related effects induced by micronized polyethylene terephthalate microparticles in the Manila clam. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2020, 83, 168-179.	1.1	27
152	Natural history matters: Plastics in estuarine fish and sediments at the mouth of an urban watershed. <i>PLoS ONE</i> , 2020, 15, e0229777.	1.1	23
153	Horizontal subsurface flow constructed wetlands as tertiary treatment: Can they be an efficient barrier for microplastics pollution?. <i>Science of the Total Environment</i> , 2020, 721, 137785.	3.9	82
154	Do whitefish ( <i>Coregonus lavaretus</i> ) larvae show adaptive variation in the avoidance of microplastic ingestion?. <i>Environmental Pollution</i> , 2020, 262, 114353.	3.7	18
155	Effects of Virgin Micro- and Nanoplastics on Fish: Trends, Meta-Analysis, and Perspectives. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4733-4745.	4.6	165
156	Aquatic vascular plants – A forgotten piece of nature in microplastic research. <i>Environmental Pollution</i> , 2020, 262, 114354.	3.7	78
157	Characterization of microplastics on filter substrates based on hyperspectral imaging: Laboratory assessments. <i>Environmental Pollution</i> , 2020, 263, 114296.	3.7	49
158	Ingestion and effects of virgin polyamide microplastics on <i>Chironomus riparius</i> adult larvae and adult zebrafish <i>Danio rerio</i> . <i>Chemosphere</i> , 2020, 259, 127456.	4.2	43
159	Assessing microplastic uptake and impact on omnivorous juvenile white seabream <i>Diplodus sargus</i> (Linnaeus, 1758) under laboratory conditions. <i>Marine Pollution Bulletin</i> , 2020, 157, 111162.	2.3	19
160	Microplastic ingestion by tadpoles of pond-breeding amphibians – first results from Central Europe (SW Poland). <i>Environmental Science and Pollution Research</i> , 2020, 27, 33380-33384.	2.7	27
161	Rethinking and optimising plastic waste management under COVID-19 pandemic: Policy solutions based on redesign and reduction of single-use plastics and personal protective equipment. <i>Science of the Total Environment</i> , 2020, 742, 140565.	3.9	331
162	Accumulation and effects of microplastic fibers in American lobster larvae ( <i>Homarus americanus</i> ). <i>Marine Pollution Bulletin</i> , 2020, 157, 111280.	2.3	36
163	Marine plastics: What risks and policies exist for seagrass ecosystems in the Plasticene?. <i>Marine Pollution Bulletin</i> , 2020, 158, 111425.	2.3	35

#	ARTICLE	IF	CITATIONS
164	A critical review of harm associated with plastic ingestion on vertebrates. <i>Science of the Total Environment</i> , 2020, 743, 140666.	3.9	40
165	Occurrence and fate of microplastics at two different drinking water treatment plants within a river catchment. <i>Science of the Total Environment</i> , 2020, 741, 140236.	3.9	116
166	Toxicity and trophic transfer of polyethylene microplastics from <i>Poecilia reticulata</i> to <i>Danio rerio</i> . <i>Science of the Total Environment</i> , 2020, 742, 140217.	3.9	59
167	Quantitative Analysis of Selected Plastics in High-Commercial-Value Australian Seafood by Pyrolysis Gas Chromatography Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9408-9417.	4.6	143
168	Using Boops boops (osteichthyes) to assess microplastic ingestion in the Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2020, 158, 111397.	2.3	46
169	Microplastic contamination in Auckland (New Zealand) beach sediments. <i>Marine Pollution Bulletin</i> , 2020, 151, 110867.	2.3	69
170	Microplastics in aquatic organisms: Improving understanding and identifying research directions for the next decade. <i>Limnology and Oceanography Letters</i> , 2020, 5, 1-4.	1.6	54
171	Microplastic prevalence in two fish species in two U.S. reservoirs. <i>Limnology and Oceanography Letters</i> , 2020, 5, 147-153.	1.6	63
172	A Detailed Review Study on Potential Effects of Microplastics and Additives of Concern on Human Health. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1212.	1.2	804
173	Complementary impacts of heterospecific predators facilitate improved biological control of mosquito larvae. <i>Biological Control</i> , 2020, 144, 104216.	1.4	15
174	Development of AOP relevant to microplastics based on toxicity mechanisms of chemical additives using ToxCast, and deep learning models combined approach. <i>Environment International</i> , 2020, 137, 105557.	4.8	59
175	Metro station free drinking water fountain- A potential microplastics hotspot for human consumption. <i>Environmental Pollution</i> , 2020, 261, 114227.	3.7	113
176	Spatio-temporal features of microplastics pollution in macroalgae growing in an important mariculture area, China. <i>Science of the Total Environment</i> , 2020, 719, 137490.	3.9	72
177	Toxicity of Microplastics and Nanoplastics in Mammalian Systems. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1509.	1.2	423
178	Monitoring the occurrence of microplastic ingestion in Otariids along the Peruvian and Chilean coasts. <i>Marine Pollution Bulletin</i> , 2020, 153, 110966.	2.3	47
179	Occurrence, Fate and Fluxes of Plastics and Microplastics in Terrestrial and Freshwater Ecosystems. <i>Reviews of Environmental Contamination and Toxicology</i> , 2020, 250, 1-43.	0.7	19
180	Antioxidants and molecular damage in Nile Tilapia ( <i>Oreochromis niloticus</i> ) after exposure to microplastics. <i>Environmental Science and Pollution Research</i> , 2020, 27, 14581-14588.	2.7	101
181	Exploring the interaction between polystyrene nanoplastics and <i>Allium cepa</i> during germination: Internalization in root cells, induction of toxicity and oxidative stress. <i>Plant Physiology and Biochemistry</i> , 2020, 149, 170-177.	2.8	199

#	ARTICLE	IF	CITATIONS
182	Microplastics impair the feeding performance of a Mediterranean habitat-forming coral. <i>Marine Environmental Research</i> , 2020, 155, 104887.	1.1	68
183	Identification and quantification of selected plastics in biosolids by pressurized liquid extraction combined with double-shot pyrolysis gas chromatography–mass spectrometry. <i>Science of the Total Environment</i> , 2020, 715, 136924.	3.9	145
184	Microplastics enhance <i>Daphnia magna</i> sensitivity to the pyrethroid insecticide deltamethrin: Effects on life history traits. <i>Science of the Total Environment</i> , 2020, 714, 136567.	3.9	59
185	High density polyethylene (HDPE) microplastics impair development and swimming activity of Pacific oyster <i>D-larvae</i> , <i>Crassostrea gigas</i> , depending on particle size. <i>Environmental Pollution</i> , 2020, 260, 113978.	3.7	65
186	The way of microplastic through the environment – Application of the source-pathway-receptor model (review). <i>Science of the Total Environment</i> , 2020, 713, 136584.	3.9	158
187	Estimation of plastic waste inputs from land into the Caspian Sea: A significant unseen marine pollution. <i>Marine Pollution Bulletin</i> , 2020, 151, 110871.	2.3	51
188	How microplastics affect chiral illicit drug methamphetamine in aquatic food chain? From green alga ( <i>Chlorella pyrenoidosa</i> ) to freshwater snail ( <i>Cipangopaludian cathayensis</i> ). <i>Environment International</i> , 2020, 136, 105480.	4.8	85
189	Effects of environmentally relevant concentrations of microplastic fibers on Pacific mole crab ( <i>Emerita analoga</i> ) mortality and reproduction. <i>Limnology and Oceanography Letters</i> , 2020, 5, 74-83.	1.6	95
190	Microplastics disrupt hermit crab shell selection. <i>Biology Letters</i> , 2020, 16, 20200030.	1.0	42
191	Choosing trash instead of nature: Sea urchin covering behavior. <i>Marine Pollution Bulletin</i> , 2020, 155, 111188.	2.3	7
193	Characterization of microplastic pollution in tadpoles living in small water-bodies from Rize, the northeast of Turkey. <i>Chemosphere</i> , 2020, 255, 126915.	4.2	36
194	Microplastic accumulation in the gastrointestinal tracts in birds of prey in central Florida, USA. <i>Environmental Pollution</i> , 2020, 264, 114633.	3.7	128
195	Sources, transport, measurement and impact of nano and microplastics in urban watersheds. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 275-336.	3.9	69
196	Polystyrene microplastics decrease accumulation of essential fatty acids in common freshwater algae. <i>Environmental Pollution</i> , 2020, 263, 114425.	3.7	46
198	Effects of polystyrene microplastics on larval development, settlement, and metamorphosis of the intertidal barnacle <i>Amphibalanus amphitrite</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110362.	2.9	31
199	Distribution of microplastics in Surabaya River, Indonesia. <i>Science of the Total Environment</i> , 2020, 726, 138560.	3.9	66
200	Long-term exposure to nanoplastics reduces life-time in <i>Daphnia magna</i> . <i>Scientific Reports</i> , 2020, 10, 5979.	1.6	87
201	A new digestion approach for the extraction of microplastics from gastrointestinal tracts (GITs) of the common dolphinfish ( <i>Coryphaena hippurus</i> ) from the western Mediterranean Sea. <i>Journal of Hazardous Materials</i> , 2020, 397, 122794.	6.5	75

#	ARTICLE	IF	CITATIONS
202	Microplastic particles in the Persian/Arabian Gulf – A review on sampling and identification. <i>Marine Pollution Bulletin</i> , 2020, 154, 111100.	2.3	55
204	Toxicological effects of nano- and micro-polystyrene plastics on red tilapia: Are larger plastic particles more harmless?. <i>Journal of Hazardous Materials</i> , 2020, 396, 122693.	6.5	137
205	Zebrafish: An emerging model to study microplastic and nanoplastic toxicity. <i>Science of the Total Environment</i> , 2020, 728, 138707.	3.9	234
206	Occurrence of Microplastics in Commercial Seafood under the Perspective of the Human Food Chain. A Review. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5296-5301.	2.4	167
207	Polystyrene microplastics do not affect juvenile brown trout ( <i>Salmo trutta f. fario</i> ) or modulate effects of the pesticide methiocarb. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	26
208	Ingestion and toxicity of microplastics in the freshwater gastropod <i>Lymnaea stagnalis</i> : No microplastic-induced effects alone or in combination with copper. <i>Chemosphere</i> , 2021, 263, 128040.	4.2	51
209	Abundance, morphology, and removal efficiency of microplastics in two wastewater treatment plants in Nanjing, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 9327-9337.	2.7	33
210	Nanoplastics in aquatic systems - are they more hazardous than microplastics?. <i>Environmental Pollution</i> , 2021, 272, 115950.	3.7	116
211	Waterborne exposure of gilthead seabream ( <i>Sparus aurata</i> ) to polymethylmethacrylate nanoplastics causes effects at cellular and molecular levels. <i>Journal of Hazardous Materials</i> , 2021, 403, 123590.	6.5	56
212	Distinct microbial metabolic activities of biofilms colonizing microplastics in three freshwater ecosystems. <i>Journal of Hazardous Materials</i> , 2021, 403, 123577.	6.5	81
213	Policy Framework for Mitigating Land-based Marine Plastic Pollution in the Gangetic Delta Region of Bay of Bengal- A review. <i>Journal of Cleaner Production</i> , 2021, 278, 123409.	4.6	42
214	A review of microplastics aggregation in aquatic environment: Influence factors, analytical methods, and environmental implications. <i>Journal of Hazardous Materials</i> , 2021, 402, 123496.	6.5	184
215	Exposure to polystyrene microplastics impairs gonads of zebrafish ( <i>Danio rerio</i> ). <i>Chemosphere</i> , 2021, 263, 128161.	4.2	101
216	<i>Lumbriculus variegatus</i> (oligochaeta) exposed to polyethylene microplastics: biochemical, physiological and reproductive responses. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111375.	2.9	41
217	Toxicity of polystyrene nanoplastics in dragonfly larvae: An insight on how these pollutants can affect benthic macroinvertebrates. <i>Science of the Total Environment</i> , 2021, 752, 141936.	3.9	34
218	A review: Research progress on microplastic pollutants in aquatic environments. <i>Science of the Total Environment</i> , 2021, 766, 142572.	3.9	189
219	Effects of anthropogenic discharge and hydraulic deposition on the distribution and accumulation of microplastics in surface sediments of a typical seagoing river: The Haihe River. <i>Journal of Hazardous Materials</i> , 2021, 404, 124180.	6.5	57
220	Microplastics in real wastewater treatment schemes: Comparative assessment and relevant inhibition effects on anaerobic processes. <i>Chemosphere</i> , 2021, 262, 128415.	4.2	69

#	ARTICLE	IF	CITATIONS
221	Variation and Uncertainty of Microplastics in Commercial Table Salts: Critical Review and Validation. <i>Journal of Hazardous Materials</i> , 2021, 402, 123743.	6.5	43
222	Microplastics in African ecosystems: Current knowledge, abundance, associated contaminants, techniques, and research needs. <i>Science of the Total Environment</i> , 2021, 755, 142422.	3.9	94
223	Nanopolystyrene particles at environmentally relevant concentrations causes behavioral and biochemical changes in juvenile grass carp ( <i>Ctenopharyngodon idella</i> ). <i>Journal of Hazardous Materials</i> , 2021, 403, 123864.	6.5	47
224	Abundance and characteristics of microplastics in soils with different agricultural practices: Importance of sources with internal origin and environmental fate. <i>Journal of Hazardous Materials</i> , 2021, 403, 123997.	6.5	122
225	Aquatic toxicity of chemically defined microplastics can be explained by functional additives. <i>Journal of Hazardous Materials</i> , 2021, 406, 124338.	6.5	79
226	Isotope ratio mass spectrometry and spectroscopic techniques for microplastics characterization. <i>Talanta</i> , 2021, 224, 121743.	2.9	30
227	Physiological effects of plastic particles on mussels are mediated by food presence. <i>Journal of Hazardous Materials</i> , 2021, 404, 124136.	6.5	46
228	Toxicity of polystyrene nanoplastics in <i>Ctenopharyngodon idella</i> juveniles: A genotoxic, mutagenic and cytotoxic perspective. <i>Science of the Total Environment</i> , 2021, 752, 141937.	3.9	55
229	Interacting effects of simulated eutrophication, temperature increase, and microplastic exposure on <i>Daphnia</i> . <i>Environmental Research</i> , 2021, 192, 110304.	3.7	24
230	Toxicity of polystyrene microplastics on juvenile <i>Oncorhynchus mykiss</i> (rainbow trout) after individual and combined exposure with chlorpyrifos. <i>Journal of Hazardous Materials</i> , 2021, 403, 123980.	6.5	74
231	Microplastics and associated contaminants in the aquatic environment: A review on their ecotoxicological effects, trophic transfer, and potential impacts to human health. <i>Journal of Hazardous Materials</i> , 2021, 405, 124187.	6.5	308
232	Biodegradation of polypropylene by yellow mealworms ( <i>Tenebrio molitor</i> ) and superworms ( <i>Zophobas</i> ) Tj ETQq1 1 0.784314 rgBT /Over 144087.	3.9	107
233	Recommended best practices for collecting, analyzing, and reporting microplastics in environmental media: Lessons learned from comprehensive monitoring of San Francisco Bay. <i>Journal of Hazardous Materials</i> , 2021, 409, 124770.	6.5	92
234	Microplastic's story. <i>Marine Pollution Bulletin</i> , 2021, 162, 111820.	2.3	47
235	Minimal impact at current environmental concentrations of microplastics on energy balance and physiological rates of the giant mussel <i>Choromytilus chorus</i> . <i>Marine Pollution Bulletin</i> , 2021, 162, 111834.	2.3	14
236	A comparison of microplastic contamination in freshwater fish from natural and farmed sources. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14488-14497.	2.7	43
237	Consistent exposure to microplastics induces age-specific physiological and biochemical changes in a marine mysid. <i>Marine Pollution Bulletin</i> , 2021, 162, 111850.	2.3	19
238	Optimization of a hyperspectral imaging system for rapid detection of microplastics down to 100Âµm. <i>MethodsX</i> , 2021, 8, 101175.	0.7	10



#	ARTICLE	IF	CITATIONS
239	Toxicity and biomarkers of micro-plastic in aquatic environment: a review. <i>Biomarkers</i> , 2021, 26, 13-25.	0.9	27
240	A value-added step towards promoting the serviceability of fluidized bed bioreactor in treating wastewater with low carbon to nitrogen ratio. <i>Science of the Total Environment</i> , 2021, 750, 141665.	3.9	3
241	Gathering at the top? Environmental controls of microplastic uptake and biomagnification in freshwater food webs. <i>Environmental Pollution</i> , 2021, 268, 115750.	3.7	75
242	Responses to environmentally relevant microplastics are species-specific with dietary habit as a potential sensitivity indicator. <i>Science of the Total Environment</i> , 2021, 751, 142341.	3.9	17
243	Effect of microplastics on ecosystem functioning: Microbial nitrogen removal mediated by benthic invertebrates. <i>Science of the Total Environment</i> , 2021, 754, 142133.	3.9	68
244	Microplastic leachates induce species-specific trait strengthening in intertidal mussels. <i>Ecological Applications</i> , 2021, 31, e02222.	1.8	23
245	Microplastics and their potential effects on the aquaculture systems: a critical review. <i>Reviews in Aquaculture</i> , 2021, 13, 719-733.	4.6	87
246	Increased plastic pollution due to COVID-19 pandemic: Challenges and recommendations. <i>Chemical Engineering Journal</i> , 2021, 405, 126683.	6.6	552
247	Extraction of microplastics from commonly used sea salts in India and their toxicological evaluation. <i>Chemosphere</i> , 2021, 263, 128181.	4.2	59
248	Freshwater Microplastic Pollution: The State of Knowledge and Research. <i>Handbook of Environmental Chemistry</i> , 2021, , 255-272.	0.2	4
250	Microplastic Pollution in Water. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 1-44.	0.3	0
251	Interactive transgenerational effects of polystyrene nanoplastics and ethylhexyl salicylate on zebrafish. <i>Environmental Science: Nano</i> , 2021, 8, 146-159.	2.2	18
252	Metal-doping of nanoplastics enables accurate assessment of uptake and effects on <i>Gammarus pulex</i> . <i>Environmental Science: Nano</i> , 2021, 8, 1761-1770.	2.2	24
253	Microplastic in Commercial Fish in the Mediterranean Sea, the Red Sea and the Arabian Gulf. Part 1: The Mediterranean Sea. <i>Journal of Water Resource and Protection</i> , 2021, 13, 563-587.	0.3	17
254	Plastic particles in soil: state of the knowledge on sources, occurrence and distribution, analytical methods and ecological impacts. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 240-274.	1.7	44
255	Identification of black microplastics using long-wavelength infrared hyperspectral imaging with imaging-type two-dimensional Fourier spectroscopy. <i>Analytical Methods</i> , 2021, 13, 647-659.	1.3	15
256	Understanding the interactions of poly(methyl methacrylate) and poly(vinyl chloride) nanoparticles with BHK-21 cell line. <i>Scientific Reports</i> , 2021, 11, 2089.	1.6	43
257	Preliminary indoor evidences of microplastic effects on freshwater benthic macroinvertebrates. <i>Scientific Reports</i> , 2021, 11, 720.	1.6	32

#	ARTICLE	IF	CITATIONS
258	Effects of Nanoplastics and Butyl Methoxydibenzoylmethane on Early Zebrafish Embryos Identified by Single-Cell RNA Sequencing. <i>Environmental Science &amp; Technology</i> , 2021, 55, 1885-1896.	4.6	52
259	Synthetic and Semi-Synthetic Microplastic Ingestion by Mesopelagic Fishes From Tristan da Cunha and St Helena, South Atlantic. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	12
260	Neurotoxicity in Marine Invertebrates: An Update. <i>Biology</i> , 2021, 10, 161.	1.3	32
261	Alignment Layer of Liquid Crystal Using Plant-Based Isoeugenol-Substituted Polystyrene. <i>Polymers</i> , 2021, 13, 547.	2.0	3
262	Time-dependent metabolic disorders induced by short-term exposure to polystyrene microplastics in the Mediterranean mussel <i>Mytilus galloprovincialis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111780.	2.9	60
263	Microplastics in Marine and Estuarine Species From the Coast of Portugal. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	28
264	Media Issue Crystallization: The Case of Microplastic in Denmark. <i>Environmental Communication</i> , 2021, 15, 610-624.	1.2	2
265	Effect of chronic exposure to microplastic fibre ingestion in the sea cucumber <i>Apostichopus japonicus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111794.	2.9	24
266	Maritime ports and beach management as sources of coastal macro-, meso-, and microplastic pollution. <i>Environmental Science and Pollution Research</i> , 2021, 28, 30722-30731.	2.7	21
267	Microparticles and microplastics contamination in African table salts. <i>Marine Pollution Bulletin</i> , 2021, 164, 112006.	2.3	51
268	Assessment of physicochemical parameters and metal contents of Mansagar lake of Jaipur. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	0
269	Effect of microplastics in water and aquatic systems. <i>Environmental Science and Pollution Research</i> , 2021, 28, 19544-19562.	2.7	307
270	The need to investigate continuums of plastic particle diversity, brackish environments and trophic transfer to assess the risk of micro and nanoplastics on aquatic organisms. <i>Environmental Pollution</i> , 2021, 273, 116449.	3.7	19
271	A review of current approaches for the study of microplastic contamination in crustaceans. <i>Environmental Reviews</i> , 2021, 29, 64-74.	2.1	15
272	Multiple impacts of microplastics can threaten marine habitat-forming species. <i>Communications Biology</i> , 2021, 4, 431.	2.0	69
273	Preliminary Assessment on the Histological Changes in Juvenile <i>Siganus guttatus</i> (Bloch, 1787) Exposed to Plastic Debris. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 106, 916-922.	1.3	2
274	Assessment of Microplastic and Organophosphate Pesticides Contamination in Fiddler Crabs from a Ramsar Site in the Estuary of Guayas River, Ecuador. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 20-28.	1.3	31
275	The Influence of Polystyrene Microspheres Abundance on Development and Feeding Behavior of <i>Artemia salina</i> (Linnaeus, 1758). <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3352.	1.3	33



#	ARTICLE	IF	CITATIONS
276	Interactions between microplastics, pharmaceuticals and personal care products: Implications for vector transport. <i>Environment International</i> , 2021, 149, 106367.	4.8	276
277	New frontiers in remediation of (micro)plastics. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 28, 100443.	3.2	13
278	Quantification and Analysis of Microplastics in Farmland Soils: Characterization, Sources, and Pathways. <i>Agriculture (Switzerland)</i> , 2021, 11, 330.	1.4	35
279	Ecotoxicity of Microplastic Pollutants to Marine Organisms: a Systematic Review. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	35
280	Abundance and characteristics of microplastics in freshwater and treated tap water in Bangkok, Thailand. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 258.	1.3	26
281	Microplastic pollution in Surabaya River Water and Aquatic Biota, Indonesia. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1143, 012054.	0.3	10
282	Not as Bad as It Seems? A Literature Review on the Case of Microplastic Uptake in Fish. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	20
283	Micro- and Nanoplastic-Mediated Pathophysiological Changes in Rodents, Rabbits, and Chickens: A Review. <i>Journal of Food Protection</i> , 2021, 84, 1480-1495.	0.8	29
284	You are what you eat: Microplastics in the feces of young men living in Beijing. <i>Science of the Total Environment</i> , 2021, 767, 144345.	3.9	206
285	Engineering Microbes to Bio-Upcycle Polyethylene Terephthalate. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 656465.	2.0	40
286	Response of sediment-dwelling bivalves to microplastics and its potential implications for benthic processes. <i>Science of the Total Environment</i> , 2021, 769, 144302.	3.9	16
287	Characteristics of fractionated drop-in liquid fuel of plastic wastes from a commercial pyrolysis plant. <i>Waste Management</i> , 2021, 126, 411-422.	3.7	35
288	Microplastic sampling techniques in freshwaters and sediments: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 4225-4252.	8.3	67
289	An insight into different microplastic detection methods. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 5721-5730.	1.8	34
290	Sequestration of microfibers and other microplastics by green algae, <i>Cladophora</i> , in the US Great Lakes. <i>Environmental Pollution</i> , 2021, 276, 116695.	3.7	55
291	Assessing small-scale freshwater microplastics pollution, land-use, source-to-sink conduits, and pollution risks: Perspectives from Japanese rivers polluted with microplastics. <i>Science of the Total Environment</i> , 2021, 768, 144655.	3.9	103
292	Measurement, quantification, and potential risk of microplastics in the mainstream of the Pearl River (Xijiang River) and its estuary, Southern China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 53127-53140.	2.7	25
293	Plastisphere enrich antibiotic resistance genes and potential pathogenic bacteria in sewage with pharmaceuticals. <i>Science of the Total Environment</i> , 2021, 768, 144663.	3.9	66

#	ARTICLE	IF	CITATIONS
294	Investigation of dependences of the morphological composition of body and amino acid composition of trout meat proteins ( <i>Oncorhynchus mykiss</i> ) on levels of the energy value of feeds. <i>Potravinarstvo</i> , 0, 15, 497-505.	0.5	2
295	Microplastics in fisheries and aquaculture: implications to food sustainability and safety. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 29, 100464.	3.2	27
297	Incidence of Watershed Land Use on the Consumption of Meso and Microplastics by Fish Communities in Uruguayan Lowland Streams. <i>Water (Switzerland)</i> , 2021, 13, 1575.	1.2	12
298	Flexible packaging plastic waste – environmental implications, management solutions, and the way forward. <i>Current Opinion in Chemical Engineering</i> , 2021, 32, 100684.	3.8	26
299	In Situ Effects of a Microplastic Mixture on the Community Structure of Benthic Macroinvertebrates in a Freshwater Pond. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 888-895.	2.2	14
300	Detection of Microplastic in Human Placenta and Meconium in a Clinical Setting. <i>Pharmaceutics</i> , 2021, 13, 921.	2.0	155
301	Assessment of microplastic accumulation in wild <i>Paracentrotus lividus</i> , a commercially important sea urchin species, in the Eastern Aegean Sea, Greece. <i>Regional Studies in Marine Science</i> , 2021, 45, 101855.	0.4	10
302	Ingestion and Toxicity of Polystyrene Microplastics in Freshwater Bivalves. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2247-2260.	2.2	37
303	Microplastics in terrestrial ecosystems: Moving beyond the state of the art to minimize the risk of ecological surprise. <i>Global Change Biology</i> , 2021, 27, 3969-3986.	4.2	88
304	Plastics, (bio)polymers and their apparent biogeochemical cycle: An infrared spectroscopy study on foraminifera. <i>Environmental Pollution</i> , 2021, 279, 116912.	3.7	16
305	The potential effects of microplastics on human health: What is known and what is unknown. <i>Ambio</i> , 2022, 51, 518-530.	2.8	104
306	Gastrointestinal tissue as a “new” target of pollution exposure. <i>IUBMB Life</i> , 2022, 74, 62-73.	1.5	16
307	Critical review on microplastics in fecal matter: Research progress, analytical methods and future outlook. <i>Science of the Total Environment</i> , 2021, 778, 146395.	3.9	43
308	Leaching and extraction of additives from plastic pollution to inform environmental risk: A multidisciplinary review of analytical approaches. <i>Journal of Hazardous Materials</i> , 2021, 414, 125571.	6.5	128
309	Plastics in Porifera: The occurrence of potential microplastics in marine sponges and seawater from Bocas del Toro, Panamá. <i>PeerJ</i> , 2021, 9, e11638.	0.9	12
310	Negative impacts of realistic doses of spherical and irregular microplastics emerged late during a 42-weeks-long exposure experiment with blue mussels. <i>Science of the Total Environment</i> , 2021, 778, 146088.	3.9	34
311	Studying microplastics: Lessons from evaluated literature on animal model organisms and experimental approaches. <i>Journal of Hazardous Materials</i> , 2021, 414, 125476.	6.5	92
312	Characteristics and distribution of microplastics in the surface water of the Songhua River in China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 64268-64277.	2.7	4

#	ARTICLE	IF	CITATIONS
313	A comprehensive review on assessment of plastic debris in aquatic environment and its prevalence in fishes and other aquatic animals in India. <i>Science of the Total Environment</i> , 2021, 779, 146421.	3.9	17
314	Toxicity <i>in vitro</i> reveals potential impacts of microplastics and nanoplastics on human health: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3863-3895.	6.6	47
315	How do humans recognize and face challenges of microplastic pollution in marine environments? A bibliometric analysis. <i>Environmental Pollution</i> , 2021, 280, 116959.	3.7	24
316	Microplastic pollution in wastewater treatment plants in the city of Adiz: Abundance, removal efficiency and presence in receiving water body. <i>Science of the Total Environment</i> , 2021, 776, 145795.	3.9	79
317	Is the toxicity of nanosized polymethylmethacrylate particles dependent on the exposure route and food items?. <i>Journal of Hazardous Materials</i> , 2021, 413, 125443.	6.5	9
318	Are Biobased Plastics Green Alternatives? A Critical Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7729.	1.2	48
319	Testing the factors controlling the numbers of microplastics on beaches along the western Gulf of Thailand. <i>Marine Pollution Bulletin</i> , 2021, 168, 112467.	2.3	6
320	Internalization of polystyrene microplastics in <i>Euglena gracilis</i> and its effects on the protozoan photosynthesis and motility. <i>Aquatic Toxicology</i> , 2021, 236, 105840.	1.9	19
321	Microplastic contamination of the drilling bivalve <i>Hiatella arctica</i> in Arctic rhodolith beds. <i>Scientific Reports</i> , 2021, 11, 14574.	1.6	16
322	Effects of microplastics on the removal of trace organic compounds during ozonation: Oxidation and adsorption of trace organic compounds and byproducts. <i>Environmental Pollution</i> , 2021, 280, 116878.	3.7	10
323	The reactive oxygen species as pathogenic factors of fragmented microplastics to macrophages. <i>Environmental Pollution</i> , 2021, 281, 117006.	3.7	47
324	Engineered Polystyrene-Based Microplastics of High Environmental Relevance. <i>Environmental Science &amp; Technology</i> , 2021, 55, 10491-10501.	4.6	39
325	A Holistic Assessment of Polyethylene Fiber Ingestion in Larval and Juvenile Japanese Medaka Fish. <i>Frontiers in Physiology</i> , 2021, 12, 668645.	1.3	6
326	Occurrence and distribution of microplastics in beach sediments along Phuket coastline. <i>Marine Pollution Bulletin</i> , 2021, 169, 112496.	2.3	38
327	Abundance, interaction, ingestion, ecological concerns, and mitigation policies of microplastic pollution in riverine ecosystem: A review. <i>Science of the Total Environment</i> , 2021, 782, 146695.	3.9	147
328	Microfluidic electric parallel egg-laying assay and application to in-vivo toxicity screening of microplastics using <i>C. elegans</i> . <i>Science of the Total Environment</i> , 2021, 783, 147055.	3.9	10
329	Polystyrene microplastics induce apoptosis via ROS-mediated p53 signaling pathway in zebrafish. <i>Chemico-Biological Interactions</i> , 2021, 345, 109550.	1.7	75
330	Chronic feeding exposure to virgin and spiked microplastics disrupts essential biological functions in teleost fish. <i>Journal of Hazardous Materials</i> , 2021, 415, 125626.	6.5	45

#	ARTICLE	IF	CITATIONS
331	Contemporary aquaculture: implications for human nutrition. <i>Current Opinion in Biotechnology</i> , 2021, 70, 83-90.	3.3	44
332	Face masks: protecting the wearer but neglecting the aquatic environment? - A perspective from Bangladesh. <i>Environmental Challenges</i> , 2021, 4, 100126.	2.0	28
333	Transport and fate of microplastics in constructed wetlands: A microcosm study. <i>Journal of Hazardous Materials</i> , 2021, 415, 125615.	6.5	59
334	Mechanism underlying the toxicity of the microplastic fibre transfer in the sea cucumber <i>Apostichopus japonicus</i> . <i>Journal of Hazardous Materials</i> , 2021, 416, 125858.	6.5	10
335	Comprehending the complexity of microplastic organismal exposures and effects, to improve testing frameworks. <i>Journal of Hazardous Materials</i> , 2021, 415, 125652.	6.5	12
336	Nano/micro plastics " Challenges on quantification and remediation: A review. <i>Journal of Water Process Engineering</i> , 2021, 42, 102128.	2.6	28
337	Polystyrene nanoplastics alter virus replication in orange-spotted grouper ( <i>Epinephelus coioides</i> ) spleen and brain tissues and spleen cells. <i>Journal of Hazardous Materials</i> , 2021, 416, 125918.	6.5	22
338	Utilisation of plastic waste as aggregate in construction materials: A review. <i>Construction and Building Materials</i> , 2021, 296, 123669.	3.2	47
339	Do Freshwater Fish Eat Microplastics? A Review with A Focus on Effects on Fish Health and Predictive Traits of MPs Ingestion. <i>Water (Switzerland)</i> , 2021, 13, 2214.	1.2	31
340	Virgin Polystyrene Microparticles Exposure Leads to Changes in Gills DNA and Physical Condition in the Mediterranean Mussel <i>Mytilus Galloprovincialis</i> . <i>Animals</i> , 2021, 11, 2317.	1.0	14
341	Disposable masks release microplastics to the aqueous environment with exacerbation by natural weathering. <i>Journal of Hazardous Materials</i> , 2021, 417, 126036.	6.5	225
342	A new record for the presence of microplastics in dominant fish species of the Karasu River Erzurum, Turkey. <i>Environmental Science and Pollution Research</i> , 2022, 29, 7866-7876.	2.7	31
343	A preliminary analysis of ingestion and egestion of microplastic fibres in the acorn barnacle <i>Balanus glandula</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2021, 542-543, 151589.	0.7	1
344	Effect of microplastics on aquatic biota: A hormetic perspective. <i>Environmental Pollution</i> , 2021, 285, 117206.	3.7	50
345	Critical evaluation of functional aspects of evaporation barriers through environmental and economics lens for evaporation suppression - A review on milestones from improved technologies. <i>Science of the Total Environment</i> , 2021, 788, 147800.	3.9	13
346	A Paraffin Microtomy Method for Improved and Efficient Production of Standardized Plastic Microfibers. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 944-953.	2.2	4
347	From lignocellulose to plastics: Knowledge transfer on the degradation approaches by fungi. <i>Biotechnology Advances</i> , 2021, 50, 107770.	6.0	33
348	Release of tens of thousands of microfibers from discarded face masks under simulated environmental conditions. <i>Science of the Total Environment</i> , 2022, 806, 150458.	3.9	43

#	ARTICLE	IF	CITATIONS
349	Plastic ingestion by Arctic fauna: A review. <i>Science of the Total Environment</i> , 2021, 786, 147462.	3.9	41
350	Impacts of Plastic Pollution on Ecosystem Services, Sustainable Development Goals, and Need to Focus on Circular Economy and Policy Interventions. <i>Sustainability</i> , 2021, 13, 9963.	1.6	247
351	Micro-nano-sized polytetrafluoroethylene (teflon) particles as a model of plastic pollution detection in living organisms. <i>Environmental Science and Pollution Research</i> , 2022, 29, 11281-11290.	2.7	5
352	Effects of microplastics (MPs) and tributyltin (TBT) alone and in combination on bile acids and gut microbiota crosstalk in mice. <i>Ecotoxicology and Environmental Safety</i> , 2021, 220, 112345.	2.9	31
353	Micro- and nanoplastics in the environment: Occurrence, detection, characterization and toxicity – A critical review. <i>Journal of Cleaner Production</i> , 2021, 313, 127863.	4.6	58
354	Micro/nanoplastics effects on organisms: A review focusing on “dose”. <i>Journal of Hazardous Materials</i> , 2021, 417, 126084.	6.5	96
355	Microplastic pollution in aquatic environments with special emphasis on riverine systems: Current understanding and way forward. <i>Journal of Environmental Management</i> , 2021, 293, 112860.	3.8	40
356	Microplastics as a vehicle of exposure to chemical contamination in freshwater systems: Current research status and way forward. <i>Journal of Hazardous Materials</i> , 2021, 417, 125980.	6.5	27
357	Potential microplastics impacts on African fishing resources. <i>Science of the Total Environment</i> , 2022, 806, 150671.	3.9	10
358	The Effect of Microplastics on the Bioenergetics of the Mussel <i>Mytilus coruscus</i> Assessed by Cellular Energy Allocation Approach. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	32
359	Challenges and Opportunities for Recycled Polyethylene Fishing Nets: Towards a Circular Economy. <i>Polymers</i> , 2021, 13, 3155.	2.0	13
360	Questioning the suitability of available microplastics models for risk assessment – A critical review. <i>Science of the Total Environment</i> , 2021, 788, 147670.	3.9	31
361	Oxidative stress biomarkers, physiological responses and proteomic profiling in oyster ( <i>Crassostrea</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Environment, 2021, 786, 147425.	3.9	41
362	Microplastics in edible salt: a literature review focusing on uncertainty related with measured minimum cutoff sizes. <i>Current Opinion in Food Science</i> , 2021, 41, 16-25.	4.1	11
363	Combined exposure to microplastics and zinc produces sex-specific responses in the water flea <i>Daphnia magna</i> . <i>Journal of Hazardous Materials</i> , 2021, 420, 126652.	6.5	36
364	Two genes related to reproductive development in the juvenile prawn, <i>Macrobrachium nipponense</i> : Molecular characterization and transcriptional response to nanoplastic exposure. <i>Chemosphere</i> , 2021, 281, 130827.	4.2	10
365	Towards more ecologically relevant investigations of the impacts of microplastic pollution in freshwater ecosystems. <i>Science of the Total Environment</i> , 2021, 792, 148507.	3.9	35
366	A toxicological perspective of plastic biodegradation by insect larvae. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 248, 109117.	1.3	29

#	ARTICLE	IF	CITATIONS
367	Spatio-temporal distribution of microplastics in a Mediterranean river catchment: The importance of wastewater as an environmental pathway. <i>Journal of Hazardous Materials</i> , 2021, 420, 126481.	6.5	53
368	Evaluation of different packaging methods and storage temperature on MPs abundance and fillet quality of rainbow trout. <i>Journal of Hazardous Materials</i> , 2021, 420, 126573.	6.5	9
369	<i>Potamopyrgus antipodarum</i> has the potential to detect effects from various land use activities on a freshwater ecosystem. <i>Environmental Pollution</i> , 2021, 287, 117563.	3.7	1
370	The impacts of plastic products on air pollution - A simulation study for advanced life cycle inventories of plastics covering secondary microplastic production. <i>Sustainable Production and Consumption</i> , 2021, 28, 848-865.	5.7	28
371	The invisible enemy. Public knowledge of microplastics is needed to face the current microplastics crisis. <i>Sustainable Production and Consumption</i> , 2021, 28, 1076-1089.	5.7	27
372	Micro(nano)plastics as an emerging risk factor to the health of amphibian: A scientometric and systematic review. <i>Chemosphere</i> , 2021, 283, 131090.	4.2	31
373	Short-term exposure to polymethylmethacrylate nanoplastics alters muscle antioxidant response, development and growth in <i>Sparus aurata</i> . <i>Marine Pollution Bulletin</i> , 2021, 172, 112918.	2.3	12
374	Effect of polyethylene microplastics on oxidative stress and histopathology damages in <i>Litopenaeus vannamei</i> . <i>Environmental Pollution</i> , 2021, 288, 117800.	3.7	54
375	Exposure to metals premixed with microplastics increases toxicity through bioconcentration and impairs antioxidant defense and cholinergic response in a marine mysid. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 249, 109142.	1.3	12
376	Microplastics pollution in the intertidal limpet, <i>Nacella magellanica</i> , from Beagle Channel (Argentina). <i>Science of the Total Environment</i> , 2021, 795, 148866.	3.9	15
377	Do foodborne polyethylene microparticles affect the health of rainbow trout ( <i>Oncorhynchus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 342	3.9	32
378	Microplastic pollution in perch ( <i>Perca fluviatilis</i> , Linnaeus 1758) from Italian south-alpine lakes. <i>Environmental Pollution</i> , 2021, 288, 117782.	3.7	25
379	On the way to reduce marine microplastics pollution. Research landscape of psychosocial drivers. <i>Science of the Total Environment</i> , 2021, 799, 149384.	3.9	7
380	The current state of microplastic pollution in the world's largest gulf and its future directions. <i>Environmental Pollution</i> , 2021, 291, 118142.	3.7	28
381	Optimization of a new multi-reagent procedure for quantitative mussel digestion in microplastic analysis. <i>Marine Pollution Bulletin</i> , 2021, 173, 112931.	2.3	13
382	Drop-in fuel production with plastic waste pyrolysis oil over catalytic separation. <i>Fuel</i> , 2021, 305, 121440.	3.4	28
383	Floating plastics in oceans: A matter of size. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 32, 100543.	3.2	1
384	The effect of polyethylene terephthalate and abamectin on oxidative damages and expression of vtg and cyp1a genes in juvenile zebrafish. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100565.	1.7	3



#	ARTICLE	IF	CITATIONS
385	Microplastics from miscellaneous plastic wastes: Physico-chemical characterization and impact on fish and amphibian development. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112775.	2.9	26
386	Relationships between size and abundance in beach plastics: A power-law approach. <i>Marine Pollution Bulletin</i> , 2021, 173, 113005.	2.3	5
387	Microplastics and trace metals in fish species of the Gulf of Mannar (Indian Ocean) and evaluation of human health. <i>Environmental Pollution</i> , 2021, 291, 118089.	3.7	45
388	Effects of sizes and concentrations of different types of microplastics on bioaccumulation and lethality rate in the green mussel, <i>Perna viridis</i> . <i>Marine Pollution Bulletin</i> , 2021, 173, 112954.	2.3	18
389	Nucleation and detachment of polystyrene nanoparticles from plowing-induced surface wrinkling. <i>Applied Surface Science Advances</i> , 2021, 6, 100148.	2.9	3
390	Dangerous microplastics in topshells and anemones along the north coast of Spain. <i>Marine Pollution Bulletin</i> , 2021, 173, 112945.	2.3	9
391	Microplastics and environmental pollutants: Key interaction and toxicology in aquatic and soil environments. <i>Journal of Hazardous Materials</i> , 2022, 422, 126843.	6.5	220
392	Forecasting plastic waste generation and interventions for environmental hazard mitigation. <i>Journal of Hazardous Materials</i> , 2022, 424, 127330.	6.5	55
393	A realistic approach for the assessment of plastic contamination and its ecotoxicological consequences: A case study in the metropolitan city of Milan (N. Italy). <i>Science of the Total Environment</i> , 2022, 806, 150574.	3.9	10
394	(Micro)plastics: A possible criterion for beach certification with a focus on the Blue Flag Award. <i>Science of the Total Environment</i> , 2022, 803, 150051.	3.9	5
395	Vulnerability of municipal solid waste: An emerging threat to aquatic ecosystems. <i>Chemosphere</i> , 2022, 287, 132223.	4.2	26
396	Microplastics as an aquatic pollutant affect gut microbiota within aquatic animals. <i>Journal of Hazardous Materials</i> , 2022, 423, 127094.	6.5	46
397	Analyzing microplastics with Nile Red: Emerging trends, challenges, and prospects. <i>Journal of Hazardous Materials</i> , 2022, 423, 127171.	6.5	92
398	Investigation of the impact caused by different sizes of polyethylene plastics (nano, micro, and macro) in common carp juveniles, <i>Cyprinus carpio</i> L., using multi-biomarkers. <i>Science of the Total Environment</i> , 2022, 803, 149921.	3.9	36
399	Weathering pathways and protocols for environmentally relevant microplastics and nanoplastics: What are we missing?. <i>Journal of Hazardous Materials</i> , 2022, 423, 126955.	6.5	98
400	Recent Studies on Recycled PET Fibers: Production and Applications: a Review. <i>Materials Circular Economy</i> , 2021, 3, 1.	1.6	49
401	Waste derived low cost PbO-Carbon nanocomposite and its energy storage application. <i>Materials Today: Proceedings</i> , 2021, 47, 1072-1077.	0.9	7
402	Abundance of non-conservative microplastics in the upper ocean from 1957 to 2066. <i>Nature Communications</i> , 2019, 10, .	5.8	1

#	ARTICLE	IF	CITATIONS
403	Synthetic microfibers: Pollution toxicity and remediation. <i>Chemosphere</i> , 2020, 257, 127199.	4.2	126
404	The sea anemone <i>Bunodosoma cangicum</i> as a potential biomonitor for microplastics contamination on the Brazilian Amazon coast. <i>Environmental Pollution</i> , 2020, 265, 114817.	3.7	55
405	Interactive effects between sinking polyethylene terephthalate (PET) microplastics deriving from water bottles and a benthic grazer. <i>Journal of Hazardous Materials</i> , 2020, 398, 122848.	6.5	31
406	The use of <i>Hediste diversicolor</i> in the study of emerging contaminants. <i>Marine Environmental Research</i> , 2020, 159, 105013.	1.1	9
407	Surrounded by microplastic, since when? Testing the feasibility of exploring past levels of plastic microfibre pollution using natural history museum collections. <i>Marine Pollution Bulletin</i> , 2020, 151, 110846.	2.3	21
408	Spatial and seasonal distribution of microplastics on sandy beaches along the coast of the Hengchun Peninsula, Taiwan. <i>Marine Pollution Bulletin</i> , 2020, 151, 110861.	2.3	54
409	Bioremediation as a promising strategy for microplastics removal in wastewater treatment plants. <i>Marine Pollution Bulletin</i> , 2020, 156, 111252.	2.3	81
410	Worldwide contamination of fish with microplastics: A brief global overview. <i>Marine Pollution Bulletin</i> , 2020, 160, 111681.	2.3	77
411	The microplastic profile of an urban African stream. <i>Science of the Total Environment</i> , 2020, 731, 138893.	3.9	71
412	Microplastic release from the degradation of polypropylene feeding bottles during infant formula preparation. <i>Nature Food</i> , 2020, 1, 746-754.	6.2	270
413	No evidence of microplastic consumption by the copepod, <i>Temora longicornis</i> (Müller, 1785) in Chichester Harbour, United Kingdom. <i>Nauplius</i> , 0, 28, .	0.3	8
414	Microplastics Pollution in the Seto Inland Sea and Sea of Japan Surrounded Yamaguchi Prefecture Areas, Japan: Abundance, Characterization and Distribution, and Potential Occurrences. <i>Journal of Water and Environment Technology</i> , 2020, 18, 175-194.	0.3	10
415	Developing Neo-bioplastics for the Realization of Carbon Sustainable Society. , 2020, 1, .		1
416	Ecotoxicological Assessment of Microplastics in Freshwater Sources – A Review. <i>Water (Switzerland)</i> , 2021, 13, 56.	1.2	44
417	Modelling mussel (&lt;i>Mytilus spp.&lt;/i>) microplastic accumulation. <i>Ocean Science</i> , 2020, 16, 927-949.	1.3	14
418	A Bird’s Eye View on Sustainable Management Solutions for Non-degradable Plastic Wastes. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2022, , 503-534.	0.4	5
419	Lethal and Sublethal Responses of <i>Hydropsyche pellucidula</i> (Insecta, Trichoptera) to Commercial Polypropylene Microplastics after Different Preconditioning Treatments. <i>Toxics</i> , 2021, 9, 256.	1.6	20
420	Evaluating Microplastic Experimental Design and Exposure Studies in Aquatic Organisms. <i>Environmental Contamination Remediation and Management</i> , 2022, , 69-85.	0.5	1



#	ARTICLE	IF	CITATIONS
421	Animal contests and microplastics: evidence of disrupted behaviour in hermit crabs <i>Pagurus bernhardus</i> . Royal Society Open Science, 2021, 8, 211089.	1.1	13
422	Effects of extremely high concentrations of polystyrene microplastics on asexual reproduction and nematocyst discharge in the jellyfish <i>Sanderia malayensis</i> . Science of the Total Environment, 2022, 807, 150988.	3.9	8
423	A central role for fecal matter in the transport of microplastics: An updated analysis of new findings and persisting questions. Journal of Hazardous Materials Advances, 2021, 4, 100021.	1.2	5
424	Ecotoxicological Impacts of Micro- and Nanoplastics in Terrestrial and Aquatic Environments. Environmental Contamination Remediation and Management, 2022, , 199-260.	0.5	5
425	Microplastic ingestion and egestion by copepods in the Black Sea. Science of the Total Environment, 2022, 806, 150921.	3.9	35
426	Riparian vegetation as a trap for plastic litter. Environmental Pollution, 2022, 292, 118410.	3.7	52
427	Microplastics in a pelagic dolphinfish ( <i>Coryphaena hippurus</i> ) from the Eastern Pacific Ocean and the implications for fish health. Science of the Total Environment, 2022, 809, 151126.	3.9	20
428	A multifaceted assessment of the effects of polyethylene microplastics on juvenile gilthead seabreams ( <i>Sparus aurata</i> ). Aquatic Toxicology, 2021, 241, 106004.	1.9	10
429	Microplastics in bivalves, water and sediments from a touristic sandy beach of Argentina. Marine Pollution Bulletin, 2021, 173, 113023.	2.3	56
430	How well-protected are protected areas from anthropogenic microplastic contamination? Review of analytical methods, current trends, and prospects. Trends in Environmental Analytical Chemistry, 2021, 32, e00147.	5.3	24
431	Development of multifunctional food packaging films based on waste Garlic peel extract and Chitosan. International Journal of Biological Macromolecules, 2021, 192, 479-490.	3.6	30
432	A Study on the Residual Microplastics in Freshwater and Fishes in the Geum River Watershed.. Korean Journal of Ecology and Environment, 2019, 52, 28-39.	0.3	1
435	First evidence of microplastics in the Marine Protected Area Namuncurá at Burdwood Bank, Argentina: a study on <i>Henricia obesa</i> and <i>Odontaster penicillatus</i> (Echinodermata: Asteroidea). Polar Biology, 2021, 44, 2277-2287.	0.5	6
436	Updated review on microplastics in water, their occurrence, detection, measurement, environmental pollution, and the need for regulatory standards. Environmental Pollution, 2022, 292, 118421.	3.7	63
437	Impact of aquatic microplastics and nanoplastics pollution on ecological systems and sustainable remediation strategies of biodegradation and photodegradation. Science of the Total Environment, 2022, 806, 151358.	3.9	41
438	Minimal meso-plastics detected in Australian coastal reef fish. Marine Pollution Bulletin, 2021, 173, 113074.	2.3	7
439	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
440	Distribution of Microplastics in the Marine Environment. , 2021, , 1-35.		8

#	ARTICLE	IF	CITATIONS
441	Microplastics aggravate the bioaccumulation and toxicity of coexisting contaminants in aquatic organisms: A synergistic health hazard. <i>Journal of Hazardous Materials</i> , 2022, 424, 127533.	6.5	23
442	Role of Microorganisms in Eco-remediation. , 2020, , 1-39.		0
443	Sustainable drainage systems in highway drainage. , 2020, , 165-184.		1
444	The Role of Humic Acids on the Effects of Nanoplastics in Fish. <i>Springer Water</i> , 2020, , 164-169.	0.2	1
445	Recycling of Marine Litter and Ocean Plastics: A Vital Sustainable Solution for Increasing Ecology and Health Problem. <i>Sustainable Textiles</i> , 2020, , 117-137.	0.4	11
446	Marine Plastic Debris. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020, , 94-121.	0.3	2
447	Microplastics in the bogue, Boops boops: A snapshot of the past from the southern Tyrrhenian Sea. <i>Journal of Hazardous Materials</i> , 2022, 424, 127669.	6.5	15
448	Novel methodology for identification and quantification of microplastics in biological samples. <i>Environmental Pollution</i> , 2022, 292, 118466.	3.7	16
449	<i>In vivo</i> impact assessment of orally administered polystyrene nanoplastics: biodistribution, toxicity, and inflammatory response in mice. <i>Nanotoxicology</i> , 2021, 15, 1180-1198.	1.6	27
451	Uptake of plastic microbeads by ciliate <i>Paramecium aurelia</i> . <i>Science Technology and Innovation</i> , 2020, 9, 1-9.	0.0	1
453	Further studies in translatable model systems are needed to predict the impacts of human microplastic exposure. <i>Open Access Journal of Toxicology</i> , 2020, 4, 79-82.	0.3	0
454	Comparing the effects of polystyrene microplastics exposure on reproduction and fertility in male and female mice. <i>Toxicology</i> , 2022, 465, 153059.	2.0	75
456	Interactive Effects of Microplastics and Tetracycline on Bioaccumulation and Biochemical Status in Jian Carp ( <i>Cyprinus carpio</i> var. Jian). <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	5
457	Effects of different types of primary microplastics on early life stages of rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Science of the Total Environment</i> , 2022, 808, 151909.	3.9	14
458	Airborne microplastic concentrations and deposition across the Weser River catchment. <i>Science of the Total Environment</i> , 2022, 818, 151812.	3.9	47
459	Concentration of microplastics in bivalves of the environment: a systematic review. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 846.	1.3	38
460	Microplastic ingestion by the sandfish <i>Holothuria scabra</i> in Lampung and Sumbawa, Indonesia. <i>Marine Pollution Bulletin</i> , 2022, 175, 113134.	2.3	20
461	Evaluation of antioxidant response and Na <sup>+</sup> -K <sup>+</sup> -ATPase activity in zebrafish exposed to polyethylene microplastics: Shedding light on a physiological adaptation. <i>Journal of Hazardous Materials</i> , 2022, 426, 127789.	6.5	19

#	ARTICLE	IF	CITATIONS
462	Characterization of Microplastic-Associated Biofilm Development along a Freshwater-Estuarine Gradient. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16402-16412.	4.6	44
463	Advanced oxidation processes for microplastics degradation: A recent trend. <i>Chemical Engineering Journal Advances</i> , 2022, 9, 100213.	2.4	52
464	Variable Fitness Response of Two Rotifer Species Exposed to Microplastics Particles: The Role of Food Quantity and Quality. <i>Toxics</i> , 2021, 9, 305.	1.6	8
465	Addressing the Challenge of Microfiber Plastics as the Marine Pollution Crisis Using Circular Economy Methods: a Review. <i>Materials Circular Economy</i> , 2021, 3, 1.	1.6	3
466	Inputs, Occurrence and Effects of Pharmaceuticals and Microplastics in Freshwater Ecosystems. , 2021, , .		0
467	Micro and Nano-Plastics in the Environment: Research Priorities for the Near Future. <i>Reviews of Environmental Contamination and Toxicology</i> , 2021, 257, 163-218.	0.7	8
468	Critical review of microplastics removal from the environment. <i>Chemosphere</i> , 2022, 293, 133557.	4.2	89
469	Ubiquitous vertical distribution of microfibrils within the upper epipelagic layer of the western Mediterranean Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 266, 107741.	0.9	19
470	Microplastics in soil: Impacts and microbial diversity and degradation. <i>Pedosphere</i> , 2022, 32, 49-60.	2.1	34
471	Shape, size, and polymer dependent effects of microplastics on <i>Daphnia magna</i> . <i>Journal of Hazardous Materials</i> , 2022, 426, 128136.	6.5	68
472	Investigation of microplastics release behavior from ozone-exposed plastic pipe materials. <i>Environmental Pollution</i> , 2022, 296, 118758.	3.7	20
473	Microplastics in the sediments of small-scale Japanese rivers: Abundance and distribution, characterization, sources-to-sink, and ecological risks. <i>Science of the Total Environment</i> , 2022, 812, 152590.	3.9	40
475	The Pressing Issue of Micro- and Nanoplastic Contamination: Profiling the Reproductive Alterations Mediated by Oxidative Stress. <i>Antioxidants</i> , 2022, 11, 193.	2.2	28
476	Occurrence and distribution of micro/nanoplastics in soils and their phytotoxic effects: A review. <i>Plant, Cell and Environment</i> , 2022, 45, 1011-1028.	2.8	26
477	Acute toxicity of microplastic fibers to honeybees and effects on foraging behavior. <i>Science of the Total Environment</i> , 2022, 822, 153320.	3.9	20
478	Screening for polystyrene nanoparticle toxicity on kidneys of adult male albino rats using histopathological, biochemical, and molecular examination results. <i>Cell and Tissue Research</i> , 2022, 388, 149-165.	1.5	11
479	Natural Antioxidants can Improve Microplastics-Induced Male Reproductive Impairment in the African Catfish ( <i>Clarias Gariepinus</i> ). <i>Frontiers in Environmental Science</i> , 2022, 9, .	1.5	5
481	Effects of polystyrene nanoplastics on the bioaccumulation, distribution and parental transfer of ethylhexyl salicylate. <i>Environmental Science: Nano</i> , 2022, 9, 1025-1036.	2.2	15

#	ARTICLE	IF	CITATIONS
482	Detection and Analysis of Microplastics in Human Sputum. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2476-2486.	4.6	141
483	A baseline study of macro, meso and micro litter in the Belize River basin, from catchment to coast. <i>ICES Journal of Marine Science</i> , 2023, 80, 2183-2196.	1.2	7
484	The Ecotoxicological Effects of Microplastics on Trophic Levels of Aquatic Ecosystems. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2022, , 389-428.	0.4	3
485	Environmental hazard of polypropylene microplastics from disposable medical masks: acute toxicity towards <i>Daphnia magna</i> and current knowledge on other polypropylene microplastics. <i>Microplastics and Nanoplastics</i> , 2022, 2, 1.	4.1	36
486	Chemical composition and particle size influence the toxicity of nanoscale plastic debris and their co-occurring benzo( $\pm$ )pyrene in the model aquatic organisms <i>Daphnia magna</i> and <i>Danio rerio</i> . <i>NanoImpact</i> , 2022, 25, 100382.	2.4	14
487	Micro-Nano Plastic in the Aquatic Environment: Methodological Problems and Challenges. <i>Animals</i> , 2022, 12, 297.	1.0	21
488	Occurrence of Microplastics in Freshwater. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2022, , 201-226.	0.4	3
489	Latest Advances and Developments to Detection of Micro- and Nanoplastics Using Surface-Enhanced Raman Spectroscopy. <i>Particle and Particle Systems Characterization</i> , 2022, 39, .	1.2	19
490	Comparative Analysis of Selective Bacterial Colonization by Polyethylene and Polyethylene Terephthalate Microplastics. <i>Frontiers in Microbiology</i> , 2022, 13, 836052.	1.5	2
491	Embryotoxicity of polystyrene microplastics in zebrafish <i>Danio rerio</i> . <i>Environmental Research</i> , 2022, 208, 112552.	3.7	65
492	Experimental evaluation of microplastic consumption by using a size-fractionation approach in the planktonic communities. <i>Science of the Total Environment</i> , 2022, 821, 153045.	3.9	5
493	Microplastics in freshwater ecosystems with special reference to tropical systems: Detection, impact, and management. , 2022, , 151-169.		4
494	A Preliminary Assessment of Size-Fractionated Microplastics in Indoor Aerosol- Kuwait's Baseline. <i>Toxics</i> , 2022, 10, 71.	1.6	28
495	Microplastics in seafood: Relative input of <i>Mytilus galloprovincialis</i> and table salt in mussel dishes. <i>Food Research International</i> , 2022, 153, 110973.	2.9	25
496	Microbiome: A forgotten target of environmental micro(nano)plastics?. <i>Science of the Total Environment</i> , 2022, 822, 153628.	3.9	23
497	A Review of the Migration and Transformation of Microplastics in Inland Water Systems. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 148.	1.2	20
498	Microplastics Separation Using Stainless Steel Mini-Hydrocyclones Fabricated with Additive Manufacturing. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
499	Role of Microorganisms in Eco-remediation. , 2022, , 1237-1275.		0

#	ARTICLE	IF	CITATIONS
500	Evidence of Micro- and Macroplastic Toxicity Along a Stream Detrital Food-Chain. SSRN Electronic Journal, 0, , .	0.4	0
501	Plastic impact on marine benthic organisms and food webs. , 2022, , 95-151.		1
502	Distribution of Microplastics in the Marine Environment. , 2022, , 813-847.		1
503	Perspectives on marine plastics. , 2022, , 307-326.		0
504	Environmental Microplastics Disrupt Swimming Activity in Acute Exposure in <i>D. Rerio</i> Larvae and Reduce Growth and Reproduction Success in Chronic Exposure in <i>D. Rerio</i> and <i>O. Melastigma</i> . SSRN Electronic Journal, 0, , .	0.4	0
505	Airborne Microplastics. , 2022, , 177-201.		2
506	Stakeholders' Perspectives on Microplastics in Sludge Applied to Agricultural Land. <i>Frontiers in Sustainable Food Systems</i> , 2022, 6, .	1.8	1
507	Do microplastics impair male dominance interactions in fish? A test of the vector hypothesis. <i>Ecology and Evolution</i> , 2022, 12, e8620.	0.8	2
508	Effects of Microplastics on Fish and in Human Health. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	99
509	Uptake and Transfer of Polyamide Microplastics in a Freshwater Mesocosm Study. <i>Water (Switzerland)</i> , 2022, 14, 887.	1.2	6
510	Recent advances in toxicological research and potential health impact of microplastics and nanoplastics in vivo. <i>Environmental Science and Pollution Research</i> , 2022, 29, 40415-40448.	2.7	31
511	Assessment of the Influence of Size and Concentration on the Ecotoxicity of Microplastics to Microalgae <i>Scenedesmus</i> sp., Bacterium <i>Pseudomonas putida</i> and Yeast <i>Saccharomyces cerevisiae</i> . <i>Polymers</i> , 2022, 14, 1246.	2.0	11
512	The silent harm of polyethylene microplastics: Invertebrates growth inhibition as a warning of the microplastic pollution in continental waters. <i>Limnologia</i> , 2022, 93, 125964.	0.7	8
513	A Low-Cost Microfluidic Method for Microplastics Identification: Towards Continuous Recognition. <i>Micromachines</i> , 2022, 13, 499.	1.4	16
515	Spatiotemporal dynamics of microplastics burden in River Ravi, Pakistan. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107652.	3.3	15
516	Shrimp and microplastics: A case study with the Atlantic ditch shrimp <i>Palaemon varians</i> . <i>Ecotoxicology and Environmental Safety</i> , 2022, 234, 113394.	2.9	23
517	Interaction of microplastics with metal(oid)s in aquatic environments: What is done so far?. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100072.	1.2	7
518	Learning from natural sediments to tackle microplastics challenges: A multidisciplinary perspective. <i>Earth-Science Reviews</i> , 2022, 228, 104021.	4.0	62

#	ARTICLE	IF	CITATIONS
519	Innovations in analytical methods to assess the occurrence of microplastics in soil. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107421.	3.3	28
520	Recent developments in microbial degradation of polypropylene: Integrated approaches towards a sustainable environment. <i>Science of the Total Environment</i> , 2022, 826, 154056.	3.9	24
521	The adverse health effects of increasing microplastic pollution on aquatic mammals. <i>Journal of King Saud University - Science</i> , 2022, 34, 102006.	1.6	13
522	Microplastics in the tissues of commercial semi-intensive shrimp pond-farmed <i>Litopenaeus vannamei</i> from the Gulf of California ecoregion. <i>Chemosphere</i> , 2022, 297, 134194.	4.2	22
523	Plastic leachates: Bridging the gap between a conspicuous pollution and its pernicious effects on marine life. <i>Science of the Total Environment</i> , 2022, 826, 154091.	3.9	27
524	Fishing in troubled waters: Limited stress response to natural and synthetic microparticles in brown shrimp ( <i>Crangon crangon</i> ). <i>Environmental Pollution</i> , 2022, 302, 119023.	3.7	2
525	Exposure to polystyrene microplastics reduces regeneration and growth in planarians. <i>Journal of Hazardous Materials</i> , 2022, 432, 128673.	6.5	19
526	Long-term exposure of a free-living freshwater micro- and meiobenthos community to microplastic mixtures in microcosms. <i>Science of the Total Environment</i> , 2022, 827, 154207.	3.9	9
527	Polyamide microplastic exposure elicits rapid, strong and genome-wide evolutionary response in the freshwater non-biting midge <i>Chironomus riparius</i> . <i>Chemosphere</i> , 2022, 299, 134452.	4.2	8
528	Coverage of microplastic data underreporting and progress toward standardization. <i>Science of the Total Environment</i> , 2022, 829, 154727.	3.9	10
529	Do poly(lactic acid) microplastics instigate a threat? A perception for their dynamic towards environmental pollution and toxicity. <i>Science of the Total Environment</i> , 2022, 832, 155014.	3.9	74
530	Quantifying the Dynamics of Polystyrene Microplastics UV-Aging Process. <i>Environmental Science and Technology Letters</i> , 2022, 9, 50-56.	3.9	56
531	Contaminación por microplásticos en playas del Pacífico de Guatemala: abundancia y características. <i>Ciencia, Tecnología Y Salud</i> , 2021, 8, 260-268.	0.0	0
533	The Role of Rivers in Microplastics Spread and Pollution. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2022, , 65-88.	0.7	2
534	New fluorescence labeling isotactic polypropylenes as a tracer: a proof of concept. <i>Polymer Chemistry</i> , 2022, 13, 2685-2693.	1.9	5
535	Seasonal variation and ecological risk assessment of microplastics ingested by economic fishes in Lake Chaohu, China. <i>Science of the Total Environment</i> , 2022, 833, 155181.	3.9	8
537	Atmospheric deposition of anthropogenic particles and microplastics in south-central Ontario, Canada. <i>Science of the Total Environment</i> , 2022, 835, 155426.	3.9	28
539	Micro and nanoplastic toxicity on aquatic life: fate, effect and remediation strategy. , 2022, , 145-176.		1

#	ARTICLE	IF	CITATIONS
540	(Micro)plastics in the soil system: Occurrence, behaviour, fate, and future directions. , 2022, , 47-64.		0
541	Valorization of recycled PET for yarn manufacturing and knitwear fabrics used for apparel applications. <i>Polymer Bulletin</i> , 2023, 80, 2779-2799.	1.7	8
542	Interaction and combined toxicity of microplastics and per- and polyfluoroalkyl substances in aquatic environment. <i>Frontiers of Environmental Science and Engineering</i> , 2022, 16, .	3.3	23
544	Transcriptome alterations in zebrafish gill after exposure to different sizes of microplastics. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2022, 57, 347-356.	0.9	10
545	Evidence of micro and macroplastic toxicity along a stream detrital food-chain. <i>Journal of Hazardous Materials</i> , 2022, 436, 129064.	6.5	8
546	Biofilm formation and its implications on the properties and fate of microplastics in aquatic environments: A review. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100077.	1.2	43
547	The Stressful Effects of Microplastics Associated With Chromium (VI) on the Microbiota of <i>Daphnia Magna</i> . <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	2
548	Dietary exposure to four sizes of spherical polystyrene, polylactide and silica nanoparticles does not affect mortality, behaviour, feeding and energy assimilation of <i>Gammarus roeseli</i> . <i>Ecotoxicology and Environmental Safety</i> , 2022, 238, 113581.	2.9	2
549	Toxic Chemicals and Persistent Organic Pollutants Associated with Micro-and Nanoplastics Pollution. <i>Chemical Engineering Journal Advances</i> , 2022, 11, 100310.	2.4	48
550	Dietary consumption of polypropylene microplastics alter the biochemical parameters and histological response in freshwater benthic mollusc <i>Pomacea paludosa</i> . <i>Environmental Research</i> , 2022, 212, 113370.	3.7	26
551	Factors Impacting Microplastic Biofilm Community and Biological Risks Posed by Microplastics in Drinking Water Sources. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	9
552	Feeding exposure and feeding behaviour as relevant approaches in the assessment of the effects of micro(nano)plastics to early life stages of amphibians. <i>Environmental Research</i> , 2022, 212, 113476.	3.7	4
553	Microplastic profusion in food and drinking water: are microplastics becoming a macroproblem?. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 992-1009.	1.7	12
554	Top-Down Synthesis of Luminescent Microplastics and Nanoplastics by Incorporation of Upconverting Nanoparticles for Environmental Assessment. <i>Environmental Science: Nano</i> , 0, , .	2.2	0
555	Preparation and Characterization of Antioxidant, Antimicrobial, and UV-Light Protection Film Based on Poly(vinyl alcohol) and Garlic Peel Extract. <i>Waste and Biomass Valorization</i> , 2022, 13, 4717-4734.	1.8	8
556	Microplastics make their way into the soil and rhizosphere: A review of the ecological consequences. <i>Rhizosphere</i> , 2022, 22, 100542.	1.4	22
557	Combined proteomic and gene expression analysis to investigate reduced performance in rainbow trout ( <i>Oncorhynchus mykiss</i> ) caused by environmentally relevant microplastic exposure. <i>Microplastics and Nanoplastics</i> , 2022, 2, .	4.1	2
558	Evaluating the Occurrence of Polystyrene Nanoparticles in Environmental Waters by Agglomeration with Alkylated Ferroferric Oxide Followed by Micropore Membrane Filtration Collection and Py-GC/MS Analysis. <i>Environmental Science &amp; Technology</i> , 2022, 56, 8255-8265.	4.6	24



#	ARTICLE	IF	CITATIONS
559	Tracking the microplastic accumulation from past to present in the freshwater ecosystems: A case study in Susurluk Basin, Turkey. <i>Chemosphere</i> , 2022, 303, 135007.	4.2	14
560	Application of a microplastic trap to the determination of the factors controlling the lakebed deposition of microplastics. <i>Science of the Total Environment</i> , 2022, 843, 156883.	3.9	9
561	Genipin-crosslinked amphiphilic chitosan films for the preservation of strawberry. <i>International Journal of Biological Macromolecules</i> , 2022, 213, 804-813.	3.6	21
562	A review on microplastics and nanoplastics in the environment: Their occurrence, exposure routes, toxic studies, and potential effects on human health. <i>Marine Pollution Bulletin</i> , 2022, 181, 113832.	2.3	104
563	Microplastics separation using stainless steel mini-hydrocyclones fabricated with additive manufacturing. <i>Science of the Total Environment</i> , 2022, 840, 156697.	3.9	10
564	Annual estimates of microplastics in municipal sludge treatment plants in southern Spain. <i>Journal of Water Process Engineering</i> , 2022, 49, 102956.	2.6	1
565	Does Microplastic Exposure and Sex Influence Shell Selection and Motivation in the Common European Hermit Crab, <i>Pagurus Bernhardus</i> ?. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
566	Chironomus Riparius Molecular Response to Polystyrene Primary Microplastics. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
567	Digesting the Indigestible: Microplastic Extraction From Prawn Digestive Tracts. <i>Frontiers in Environmental Chemistry</i> , 0, 3, .	0.7	3
568	Qualitative characterisation and identification of microplastics in a freshwater dam at Gauteng Province, South Africa, using pyrolysis-gas chromatography-time of flight-mass spectrometry (Py-GC-ToF-MS). <i>Environmental Science and Pollution Research</i> , 2022, 29, 83452-83468.	2.7	2
569	Does parental exposure to nanoplastics modulate the response of <i>Hediste diversicolor</i> to other contaminants: A case study with arsenic. <i>Environmental Research</i> , 2022, 214, 113764.	3.7	3
570	Microplastics alter multiple biological processes of marine benthic fauna. <i>Science of the Total Environment</i> , 2022, 845, 157362.	3.9	18
571	Size-dependent seizurogenic effect of polystyrene microplastics in zebrafish embryos. <i>Journal of Hazardous Materials</i> , 2022, 439, 129616.	6.5	24
573	Microplastic exposure across trophic levels: effects on the host-microbiota of freshwater organisms. <i>Environmental Microbiomes</i> , 2022, 17, .	2.2	7
574	Improved methodology for microplastic extraction from gastrointestinal tracts of fat fish species. <i>Marine Pollution Bulletin</i> , 2022, 181, 113911.	2.3	8
575	Investigating transport kinetics of polystyrene nanoplastics in saturated porous media. <i>Ecotoxicology and Environmental Safety</i> , 2022, 241, 113820.	2.9	5
576	<i>Hirudo verbana</i> as a freshwater invertebrate model to assess the effects of polypropylene micro and nanoplastics dispersion in freshwater. <i>Fish and Shellfish Immunology</i> , 2022, 127, 492-507.	1.6	5
577	Environmental microplastics disrupt swimming activity in acute exposure in <i>Danio rerio</i> larvae and reduce growth and reproduction success in chronic exposure in <i>D. rerio</i> and <i>Oryzias melastigma</i> . <i>Environmental Pollution</i> , 2022, 308, 119721.	3.7	16



#	ARTICLE	IF	CITATIONS
578	Microplastics can aggravate the impact of ocean acidification on the health of mussels: Insights from physiological performance, immunity and byssus properties. <i>Environmental Pollution</i> , 2022, 308, 119701.	3.7	27
579	Integrated biomarker responses in European seabass <i>Dicentrarchus labrax</i> (Linnaeus, 1758) chronically exposed to PVC microplastics. <i>Journal of Hazardous Materials</i> , 2022, 438, 129488.	6.5	9
580	One year after on Tyrrhenian coasts: The ban of cotton buds does not reduce their dominance in beach litter composition. <i>Marine Policy</i> , 2022, 143, 105195.	1.5	6
581	Change in adsorption behavior of aquatic humic substances on microplastic through biotic and abiotic aging processes. <i>Science of the Total Environment</i> , 2022, 843, 157010.	3.9	19
582	Biodegradable microplastics enhance soil microbial network complexity and ecological stochasticity. <i>Journal of Hazardous Materials</i> , 2022, 439, 129610.	6.5	52
583	Microplastic prevalence in marine fish from onshore Beibu Gulf, South China Sea. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	2
584	Subtle Ecosystem Effects of Microplastic Exposure in Marine Mesocosms Including Fish. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
585	Review on the ecotoxicological impacts of plastic pollution on the freshwater invertebrate <i>Daphnia</i> . <i>Environmental Toxicology</i> , 2022, 37, 2615-2638.	2.1	30
586	Occurrence of Microplastics in the Gastrointestinal Tracts of Edible Fishes from South Indian Rivers. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 109, 1023-1028.	1.3	6
587	Effects of microplastics alone or with sorbed oil compounds from the water accommodated fraction of a North Sea crude oil on marine mussels ( <i>Mytilus galloprovincialis</i> ). <i>Science of the Total Environment</i> , 2022, 851, 157999.	3.9	10
588	Developmental Polyethylene Microplastic Fiber Exposure Entails Subtle Reproductive Impacts in Juvenile Japanese Medaka ( <i>Oryzias latipes</i> ). <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 2848-2858.	2.2	6
589	Microplastic Occurrence in the Gastrointestinal Tracts of <i>Pterois miles</i> (Bennett, 1828) from northeastern Mediterranean Sea. <i>Natural and Engineering Sciences</i> , 0, , 200-213.	0.2	0
590	Polystyrene Microplastics Affect the Reproductive Performance of Male Mice and Lipid Homeostasis in Their Offspring. <i>Environmental Science and Technology Letters</i> , 2022, 9, 752-757.	3.9	18
591	Characterizing microplastic hazards: which concentration metrics and particle characteristics are most informative for understanding toxicity in aquatic organisms?. <i>Microplastics and Nanoplastics</i> , 2022, 2, .	4.1	34
592	Ecotoxicity of Heteroaggregates of Polystyrene Nanospheres in Chironomidae and Amphibian. <i>Nanomaterials</i> , 2022, 12, 2730.	1.9	1
593	Co-exposure to polystyrene microplastics and lead aggravated ovarian toxicity in female mice via the PERK/eIF2 $\pm$ signaling pathway. <i>Ecotoxicology and Environmental Safety</i> , 2022, 243, 113966.	2.9	22
594	Spatio-temporal patterns of occurrence of microplastics in the freshwater fish <i>Gambusia affinis</i> from the Brantas River, Indonesia. <i>Environmental Pollution</i> , 2022, 311, 119958.	3.7	17
595	Occurrence and characteristics of atmospheric microplastics in Mexico City. <i>Science of the Total Environment</i> , 2022, 847, 157601.	3.9	32

#	ARTICLE	IF	CITATIONS
596	Effects of polystyrene microplastics acute exposure in the liver of swordtail fish ( <i>Xiphophorus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 742	3.9	16
597	Microplastics as vectors of environmental contaminants: Interactions in the natural ecosystems. Human and Ecological Risk Assessment (HERA), 2022, 28, 1022-1042.	1.7	9
598	Mediterranean microplastic contamination: Israel's coastline contributions. Marine Pollution Bulletin, 2022, 183, 114080.	2.3	6
599	The atmospheric microplastics deposition contributes to microplastic pollution in urban waters. Water Research, 2022, 225, 119116.	5.3	49
600	Microplastics profile in constructed wetlands: Distribution, retention and implications. Environmental Pollution, 2022, 313, 120079.	3.7	20
601	Microplastic burden in Africa: A review of occurrence, impacts, and sustainability potential of bioplastics. Chemical Engineering Journal Advances, 2022, 12, 100402.	2.4	15
602	Polystyrene microplastic particles in combination with pesticides and antiviral drugs: Toxicity and genotoxicity in <i>Ceriodaphnia dubia</i> . Environmental Pollution, 2022, 313, 120088.	3.7	18
603	Polystyrene microplastics mitigate the embryotoxic damage of metformin and guanylurea in <i>Danio rerio</i> . Science of the Total Environment, 2022, 852, 158503.	3.9	8
604	Rapid and efficient removal of organic matter from sewage sludge for extraction of microplastics. Science of the Total Environment, 2022, 853, 158642.	3.9	14
605	Does microplastic exposure and sex influence shell selection and motivation in the common European hermit crab, <i>Pagurus bernhardus</i> ?. Science of the Total Environment, 2023, 855, 158576.	3.9	9
606	Presence of Microplastics: Impacts in a Marine-Coastal Environment of the Colombian Caribbean. SSRN Electronic Journal, 0, , .	0.4	0
607	Occurrence of nano/microplastics from wild and farmed edible species. Potential effects of exposure on human health. Advances in Food and Nutrition Research, 2022, , .	1.5	0
608	Microplastics (MPs) in marine food chains: Is it a food safety issue?. Advances in Food and Nutrition Research, 2023, , 101-140.	1.5	3
609	Polymer Particles in Solid Atmospheric Precipitation in the Northwestern Kola Peninsula in 2020â€²2021. Doklady Earth Sciences, 2022, 505, 586-590.	0.2	0
610	Microplastics in freshwater ecosystem: A serious threat for freshwater environment. International Journal of Environmental Science and Technology, 2023, 20, 9189-9204.	1.8	2
611	Polystyrene Nanoplastic Exposure Induces Developmental Toxicity by Activating the Oxidative Stress Response and Base Excision Repair Pathway in Zebrafish ( <i>Danio rerio</i> ). ACS Omega, 2022, 7, 32153-32163.	1.6	24
612	Toxic effects on enzymatic activity, gene expression and histopathological biomarkers in organisms exposed to microplastics and nanoplastics: a review. Environmental Sciences Europe, 2022, 34, .	2.6	18
613	Identification, characterisation of microplastic and their effects on aquatic organisms. Chemistry and Ecology, 2022, 38, 967-987.	0.6	12

#	ARTICLE	IF	CITATIONS
614	Analysis of Microplastics in Aquatic Shellfish by Pyrolysis-Gas Chromatography/Mass Spectrometry after Alkali Digestion and Solvent Extraction. <i>Polymers</i> , 2022, 14, 3888.	2.0	4
615	Detection of microplastic fibers tangle in deep-water rose shrimp ( <i>Parapenaeus longirostris</i> , Lucas.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 2.7</i>	2.7	5
616	Petroleum-based and biodegradable microplastics alter tissue structure and fecundity in the eastern mudsnail ( <i>Llyanassa obsoleta</i> ). <i>Canadian Journal of Zoology</i> , 2022, 100, 776-788.	0.4	1
617	Deeply in Plasticenta: Presence of Microplastics in the Intracellular Compartment of Human Placentas. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 11593.	1.2	40
619	Effects of nanoplastic exposure on the immunity and metabolism of red crayfish ( <i>Cherax</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 587 Td</i> 2022, 245, 114114.	2.9	7
620	Valorization of floral foam waste via pyrolysis optimization for enhanced phenols recovery. <i>Chemosphere</i> , 2023, 310, 136758.	4.2	3
621	Roles of polystyrene micro/nano-plastics as carriers on the toxicity of Pb <sup>2+</sup> to <i>Chlamydomonas reinhardtii</i> . <i>Chemosphere</i> , 2022, 309, 136676.	4.2	8
622	Tyre particle exposure affects the health of two key estuarine invertebrates. <i>Environmental Pollution</i> , 2022, 314, 120244.	3.7	4
623	Are Ingested or Inhaled Microplastics Involved in Nonalcoholic Fatty Liver Disease?. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 13495.	1.2	12
624	The effects of riverside cities on microplastics in river water: A case study on the Southern Jiangsu Canal, China. <i>Science of the Total Environment</i> , 2023, 858, 159783.	3.9	9
625	Potential of microplastics participate in selective bioaccumulation of low-ring polycyclic aromatic hydrocarbons depending on the biological habits of fishes. <i>Science of the Total Environment</i> , 2023, 858, 159939.	3.9	3
626	Analytical methodologies used for screening micro(nano)plastics in (eco)toxicity tests. , 2022, 3, 100037.		4
627	Cryogrinding and sieving techniques as challenges towards producing controlled size range microplastics for relevant ecotoxicological tests. <i>Environmental Pollution</i> , 2022, 315, 120383.	3.7	9
628	Advancing biological processing for valorization of plastic wastes. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 170, 112966.	8.2	12
629	Subtle ecosystem effects of microplastic exposure in marine mesocosms including fish. <i>Environmental Pollution</i> , 2022, 315, 120429.	3.7	0
630	Effects of chronic exposure of naturally weathered microplastics on oxidative stress level, behaviour, and mitochondrial function of adult zebrafish ( <i>Danio rerio</i> ). <i>Chemosphere</i> , 2023, 310, 136895.	4.2	14
631	Emerging contaminants related to plastic and microplastic pollution. , 2023, , 270-280.		0
632	Roles of extracellular polymeric substances on <i>Microcystis aeruginosa</i> exposed to different sizes of polystyrene microplastics. <i>Chemosphere</i> , 2023, 312, 137225.	4.2	12

#	ARTICLE	IF	CITATIONS
633	İsmet Sular ve arkadaşlarında Mikroplastikler. <i>Dealkent</i> , 2022, 15, 110-115.	0.1	0
634	Influences of molecular weight fractionated humic acids on polyamide 66 microplastic stability and toxicity in red tilapia ( <i>Oreochromis niloticus</i> ). <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	1
635	El papel del color en la ingesta de fragmentos de microplástico por el pez cebrá (Danio rerio). <i>Revista Internacional De Contaminación Ambiental</i> , 0, 38, 371-380.	0.1	0
636	Polyethylene microplastics increases the tissue damage caused by 4-nonylphenol in the common carp ( <i>Cyprinus carpio</i> ) juvenile. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	5
637	Dose-Dependent Cytotoxicity of Polypropylene Microplastics (PP-MPs) in Two Freshwater Fishes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13878.	1.8	12
638	Polystyrene Microparticles and the Functional Traits of Invertebrates: A Case Study on Freshwater Shrimp <i>Neocardina heteropoda</i> . <i>Fishes</i> , 2022, 7, 323.	0.7	1
639	Biofilm formation strongly influences the vector transport of triclosan-loaded polyethylene microplastics. <i>Science of the Total Environment</i> , 2023, 859, 160231.	3.9	9
640	Microplastic contamination in the freshwater crayfish <i>Pontastacus leptodactylus</i> (Eschscholtz.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	2.3	3
641	Microplastics perturb colonic epithelial homeostasis associated with intestinal overproliferation, exacerbating the severity of colitis. <i>Environmental Research</i> , 2023, 217, 114861.	3.7	10
642	Thermal processing implications on microplastics in rainbow trout fillet. <i>Journal of Food Science</i> , 0, , .	1.5	1
643	Can Communication Theory Advance Research When Environmental Issues Become Wicked? The Case of Microplastics. <i>Science Communication</i> , 0, , 107554702211382.	1.8	0
644	Ecological status of the highly impacted Guanabara Bay assessed using macrofaunal indicators. <i>Regional Studies in Marine Science</i> , 2023, 57, 102745.	0.4	1
645	Time-dependent immune injury induced by short-term exposure to nanoplastics in the <i>Sepia esculenta</i> larvae. <i>Fish and Shellfish Immunology</i> , 2023, 132, 108477.	1.6	0
646	Impact of face mask microplastics pollution on the aquatic environment and aquaculture organisms. <i>Environmental Pollution</i> , 2023, 317, 120769.	3.7	19
647	A short review on the recent method development for extraction and identification of microplastics in mussels and fish, two major groups of seafood. <i>Marine Pollution Bulletin</i> , 2023, 186, 114221.	2.3	23
648	Polystyrene nanoplastics enhance the toxicological effects of DDE in zebrafish ( <i>Danio rerio</i> ) larvae. <i>Science of the Total Environment</i> , 2023, 859, 160457.	3.9	9
649	Microplastics enhance the toxicity and phototoxicity of UV filter avobenzon on <i>Daphnia magna</i> . <i>Journal of Hazardous Materials</i> , 2023, 445, 130627.	6.5	4
650	Comparison of two procedures for microplastics analysis in sediments based on an interlaboratory exercise. <i>Chemosphere</i> , 2023, 313, 137479.	4.2	4

#	ARTICLE	IF	CITATIONS
651	Microplastics pollution in freshwater fishes in the South of Italy: Characterization, distribution, and correlation with environmental pollutants. <i>Science of the Total Environment</i> , 2023, 864, 161032.	3.9	3
652	Microplastics as an Emerging Threat to the Fresh Water Fishes: A Review. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
653	Polystyrene microplastics exposure modulated the content and the profile of fatty acids in the Cladoceran <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2023, 860, 160497.	3.9	2
654	Closing the Gap between Bio-Based and Petroleum-Based Plastic through Bioengineering. <i>Microorganisms</i> , 2022, 10, 2320.	1.6	10
655	Unraveling Physical and Chemical Effects of Textile Microfibers. <i>Water (Switzerland)</i> , 2022, 14, 3797.	1.2	7
656	First Evidence of Microplastic Presence in Bed Load Sediments of a Small Urban Stream in Warsaw. <i>Sustainability</i> , 2022, 14, 16017.	1.6	0
657	Wastewater Treatment Plants as a Point Source of Plastic Pollution. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	4
658	Gross Negligence: Impacts of Microplastics and Plastic Leachates on Phytoplankton Community and Ecosystem Dynamics. <i>Environmental Science &amp; Technology</i> , 2023, 57, 5-24.	4.6	29
659	Impact of Plastic Waste Ingestion by Fish. <i>Circular Economy and Sustainability</i> , 2023, 3, 607-616.	3.3	1
660	Microplastic intrusion into the zooplankton, the base of the marine food chain: Evidence from the Arabian Sea, Indian Ocean. <i>Science of the Total Environment</i> , 2023, 864, 160876.	3.9	13
661	Spatiotemporal variability of microplastics in Muskoka-Haliburton headwater lakes, Ontario, Canada. <i>Environmental Earth Sciences</i> , 2022, 81, .	1.3	4
662	Evidence of microplastic-mediated transfer of PCB-153 to sea urchin tissues using radiotracers. <i>Marine Pollution Bulletin</i> , 2022, 185, 114322.	2.3	1
664	Microplastics in biosolids: A review of ecological implications and methods for identification, enumeration, and characterization. <i>Science of the Total Environment</i> , 2023, 864, 161083.	3.9	14
665	Environmental risks due to the presence of microplastics in coastal and marine environments of the Colombian Caribbean. <i>Marine Pollution Bulletin</i> , 2022, 185, 114357.	2.3	6
666	<i>Chironomus riparius</i> molecular response to polystyrene primary microplastics. <i>Science of the Total Environment</i> , 2023, 868, 161540.	3.9	4
667	A review of the endocrine disrupting effects of micro and nano plastic and their associated chemicals in mammals. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	20
668	Potential risk assessment and toxicological impacts of nano/micro-plastics on human health through food products. <i>Advances in Food and Nutrition Research</i> , 2023, , .	1.5	1
669	Nano- and microplastics commonly cause adverse impacts on plants at environmentally relevant levels: A systematic review. <i>Science of the Total Environment</i> , 2023, 867, 161211.	3.9	24

#	ARTICLE	IF	CITATIONS
670	Microplastics in multimedia environment: A systematic review on its fate, transport, quantification, health risk, and remedial measures. <i>Groundwater for Sustainable Development</i> , 2023, 20, 100889.	2.3	18
671	Co-occurrence of microplastics and organic/inorganic contaminants in organisms living in aquatic ecosystems: A review. <i>Marine Pollution Bulletin</i> , 2023, 187, 114563.	2.3	25
672	Laboratory simulated aging methods, mechanisms and characteristic changes of microplastics: A review. <i>Chemosphere</i> , 2023, 315, 137744.	4.2	23
673	First evidence of meso- and microplastics on the mangrove leaves ingested by herbivorous snails and induced transcriptional responses. <i>Science of the Total Environment</i> , 2023, 865, 161240.	3.9	2
674	Marine debris and associated organic pollutants in surface waters of Chilo� in the Northern Chilean Patagonia (42��44�S). <i>Marine Pollution Bulletin</i> , 2023, 187, 114558.	2.3	2
675	Revisiting the analytical determination of PAHs in environmental samples: An update on recent advances. <i>Trends in Environmental Analytical Chemistry</i> , 2023, 37, e00195.	5.3	6
676	Habitual feeding patterns impact polystyrene microplastic abundance and potential toxicity in edible benthic mollusks. <i>Science of the Total Environment</i> , 2023, 866, 161341.	3.9	5
677	The Microplastics Occurrence and Toxic Effects in Marine Environment. , 2022, 10, 1-6.		0
678	Is Wild Marine Biota Affected by Microplastics?. <i>Animals</i> , 2023, 13, 147.	1.0	15
679	Microplastics in Fish and Fishery Products and Risks for Human Health: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 789.	1.2	32
680	A review on state-of-the-art detection techniques for micro- and nano-plastics with prospective use in point-of-site detection. <i>Comprehensive Analytical Chemistry</i> , 2023, , 143-196.	0.7	1
681	Leaf morphology affects microplastic entrapment efficiency in freshwater macrophytes. <i>Marine and Freshwater Research</i> , 2023, 74, 641-650.	0.7	0
682	Subchronic Exposure to Polystyrene Microplastic Differently Affects Redox Balance in the Anterior and Posterior Intestine of <i>Sparus aurata</i> . <i>Animals</i> , 2023, 13, 606.	1.0	3
683	Short-Term Microplastic Exposure Impairs Cognition in Hermit Crabs. <i>Animals</i> , 2023, 13, 1055.	1.0	2
684	Contrasting the effects of microplastic types, concentrations and nutrient enrichment on freshwater communities and ecosystem functioning. <i>Ecotoxicology and Environmental Safety</i> , 2023, 255, 114834.	2.9	11
685	Life on bottles: Colonisation of macroplastics by freshwater biota. <i>Science of the Total Environment</i> , 2023, 873, 162349.	3.9	8
686	Fabrication of eco-friendly Cu/Co-LDHs-based superhydrophobic sponge and efficiently synchronous removal of microplastic, dyestuff, and oil. <i>Journal of Cleaner Production</i> , 2023, 400, 136708.	4.6	17
687	A global perspective on microplastic bioaccumulation in marine organisms. <i>Ecological Indicators</i> , 2023, 149, 110179.	2.6	14

#	ARTICLE	IF	CITATIONS
688	Individual and combined cytotoxicity effects of positively charged polystyrene nanoplastics and ionic surfactants on budding yeast <i>Saccharomyces cerevisiae</i> . <i>Advanced Powder Technology</i> , 2023, 34, 103995.	2.0	1
689	Microplastic accumulation in endorheic river basins – The example of the Okavango Panhandle (Botswana). <i>Science of the Total Environment</i> , 2023, 874, 162452.	3.9	8
690	Microplastics in sediments from the southern Gulf of Mexico: Abundance, distribution, composition, and adhered pollutants. <i>Science of the Total Environment</i> , 2023, 873, 162290.	3.9	4
691	Behaviour, a potential bioindicator for toxicity analysis of waterborne microplastics: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 162, 117044.	5.8	4
692	Microplastic ingestion by common terns ( <i>Sterna hirundo</i> ) and their prey during the non-breeding season. <i>Environmental Pollution</i> , 2023, 327, 121627.	3.7	3
693	Assessment of microplastics in edible salts from solar saltpans and commercial salts. , 2023, 6, 100032.		2
694	Microplastic distribution and characteristics across a large river basin: Insights from the Neuse River in North Carolina, USA. <i>Science of the Total Environment</i> , 2023, 878, 162940.	3.9	4
695	Source, occurrence, distribution, fate, and implications of microplastic pollutants in freshwater on environment: A critical review and way forward. <i>Chemosphere</i> , 2023, 325, 138367.	4.2	28
696	First quantification and chemical characterization of atmospheric microplastics observed in Seoul, South Korea. <i>Environmental Pollution</i> , 2023, 327, 121481.	3.7	8
697	Mangrove and microplastic pollution: A case study from a small island (Mauritius). <i>Regional Studies in Marine Science</i> , 2023, 62, 102906.	0.4	1
698	Spatial distribution of polystyrene nanoplastics and small microplastics in the Bohai Sea, China. <i>Science of the Total Environment</i> , 2023, 881, 163222.	3.9	4
699	Particle uptake by filter-feeding macrofoulers from the Mar Grande of Taranto (Mediterranean Sea). <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i>	2.3	4
700	Macroecotoxicological approaches to emerging patterns of microplastic bioaccumulation in crabs from estuarine and marine environments. <i>Science of the Total Environment</i> , 2023, 870, 161912.	3.9	7
701	Presence of microplastic in the <i>Patella caerulea</i> from the northeastern Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2023, 188, 114684.	2.3	3
702	Plastic microfibers as a risk factor for the health of aquatic organisms: A bibliometric and systematic review of plastic pandemic. <i>Science of the Total Environment</i> , 2023, 870, 161949.	3.9	6
703	Large-scale monitoring and risk assessment of microplastics in the Amazon River. <i>Water Research</i> , 2023, 232, 119707.	5.3	15
704	Identification of Microplastics Using a Custom Built Micro-Raman Spectrometer. <i>Journal of Physics: Conference Series</i> , 2023, 2426, 012007.	0.3	2
705	Multilevel Toxicity Evaluations of Polyethylene Microplastics in Zebrafish ( <i>Danio rerio</i> ). <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 3617.	1.2	6



#	ARTICLE	IF	CITATIONS
706	Microplastic pollution: An emerging contaminant in aquaculture. <i>Aquaculture and Fisheries</i> , 2023, 8, 603-616.	1.2	13
707	New insight into long-term effects of phthalates microplastics in developing zebrafish: Evidence from genomic alteration and organ development. <i>Environmental Toxicology and Pharmacology</i> , 2023, 99, 104087.	2.0	3
708	Microplastics Removal from a Plastic Recycling Industrial Wastewater Using Sand Filtration. <i>Water (Switzerland)</i> , 2023, 15, 896.	1.2	7
709	Aerosols as Vectors for Contaminants: A Perspective Based on Outdoor Aerosol Data from Kuwait. <i>Atmosphere</i> , 2023, 14, 470.	1.0	3
710	Microplastic occurrence in finfish and shellfish from the mangroves of the northern Gulf of Oman. <i>Marine Pollution Bulletin</i> , 2023, 189, 114788.	2.3	4
711	Mini review of microplastic pollutions and its impact on the environment and human health. <i>Waste Management and Research</i> , 2023, 41, 1219-1226.	2.2	0
712	Combined toxic effects of environmental predominant microplastics and ZnO nanoparticles in freshwater snail <i>Pomacea paludosa</i> . <i>Environmental Pollution</i> , 2023, 325, 121427.	3.7	6
713	Sensing the interaction of living organisms with microplastics by microscopy methods. , 2023, , .		0
714	Impact of Plastic-Related Compounds on P-Glycoprotein and Breast Cancer Resistance Protein In Vitro. <i>Molecules</i> , 2023, 28, 2710.	1.7	1
715	Biochemical, Genotoxic and Histological Implications of Polypropylene Microplastics on Freshwater Fish <i>Oreochromis mossambicus</i> : An Aquatic Eco-Toxicological Assessment. <i>Toxics</i> , 2023, 11, 282.	1.6	12
717	Maternal Effect of Polyethylene Microplastic Fragments Containing Benzophenone-3 in Different Ages and Broods of <i>Daphnia Magna</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2023, 110, .	1.3	0
718	Methods for controlled preparation and dosing of microplastic fragments in bioassays. <i>Scientific Reports</i> , 2023, 13, .	1.6	2
719	Microplastic sources, formation, toxicity and remediation: a review. <i>Environmental Chemistry Letters</i> , 2023, 21, 2129-2169.	8.3	59
720	Microplastics: Devastation and destination in aquatic ecosystem. <i>Journal of Agriculture and Ecology</i> , 0, 14, 12-20.	0.1	0
722	Decomposability versus detectability: First validation of TEDâ€¦/MS for microplastic detection in different environmental matrices. , 2024, 3, .		1
729	Residential houses â€” a major point source of microplastic pollution: insights on the various sources, their transport, transformation, and toxicity behaviour. <i>Environmental Science and Pollution Research</i> , 2023, 30, 67919-67940.	2.7	6
747	Novel nanomaterials via microorganisms for bioremediation. , 2023, , 155-179.		0
748	Environmental Microplastics: A Significant Pollutant of the Anthropocene. , 2023, , 89-105.		0

#	ARTICLE	IF	CITATIONS
750	Microplastic Contamination in Aquatic Organisms: An Ecotoxicological Perspective. , 2023, , 353-367.		0
775	Micro(Nano)Plastics as Carriers of Toxic Agents and Their Impact on Human Health. , 0, , .		3
778	Microplastics in Yliki Lake, Greece: An Explorative Study. , 0, , .		1
780	Plastics, Bioplastics and Water Pollution. , 0, , .		0
793	Impact of Microplastics on Flora and Fauna. , 2023, , 45-68.		0
796	Grasping the supremacy of microplastic in the environment to understand its implications and eradication: a review. Journal of Materials Science, 2023, 58, 12899-12928.	1.7	2
806	Future Research on the Sustainable Utilization of Wastewater as Resources with Emphasis on Plastics. Springer Water, 2023, , 373-386.	0.2	0
825	Source, transport, and toxicity of emerging contaminants in aquatic environments: A review on recent studies. Environmental Science and Pollution Research, 2023, 30, 121420-121437.	2.7	1
830	Microplastic Pollution in Aquatic Environment: Ecotoxicological Effects and Bioremediation Prospects. , 2023, , 297-324.		0
832	Recent advances on the methods developed for the identification and detection of emerging contaminant microplastics: a review. RSC Advances, 2023, 13, 36223-36241.	1.7	2
841	Prevalence of microplastics and fate in wastewater treatment plants: a review. Environmental Chemistry Letters, 2024, 22, 657-690.	8.3	0
860	Microplastics and the Environment: A Review. Lecture Notes in Civil Engineering, 2024, , 229-237.	0.3	0
865	Assessing Bioplasticsâ€™ Economic, Commercial, Political, and Energy Potential with Circular Economy Modeling: a Sustainable Solution to Plastic Waste Management. Materials Circular Economy, 2024, 6, .	1.6	1