

CITATION REPORT

List of articles citing

Ingested plastic transfers hazardous chemicals to fish and induces hepatic stress

DOI: 10.1038/srep03263
Scientific Reports, 2013, 3, 3263.

Source: <https://exaly.com/paper-pdf/56032987/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1103	Millimeter-sized marine plastics: a new pelagic habitat for microorganisms and invertebrates. 2014 , 9, e100289		248
1102	The deep sea is a major sink for microplastic debris. 2014 , 1, 140317		876
1101	Selective transport of microplastics and mesoplastics by drifting in coastal waters. 2014 , 89, 324-330		210
1100	Microplastic pollution in St. Lawrence River sediments. 2014 , 71, 1767-1771		319
1099	Surface modification of ionic liquid-spun chitin fibers for the extraction of uranium from seawater: seeking the strength of chitin and the chemical functionality of chitosan. 2014 , 16, 1828-1836		110
1098	Transport of persistent organic pollutants by microplastics in estuarine conditions. 2014 , 140, 14-21		267
1097	Microplastic is an abundant and distinct microbial habitat in an urban river. 2014 , 48, 11863-71		711
1096	Microplastics in four estuarine rivers in the Chesapeake Bay, U.S.A. 2014 , 48, 14195-202		354
1095	Synthetic particles as contaminants in German beers. 2014 , 31, 1574-8		240
1094	Levels and fate of perfluoroalkyl substances in beached plastic pellets and sediments collected from Greece. 2014 , 87, 286-291		47
1093	Early warning signs of endocrine disruption in adult fish from the ingestion of polyethylene with and without sorbed chemical pollutants from the marine environment. 2014 , 493, 656-61		396
1092	Microplastics in bivalves cultured for human consumption. 2014 , 193, 65-70		1008
1091	Assimilation of polybrominated diphenyl ethers from microplastics by the marine amphipod, <i>Allorchestes compressa</i> . 2014 , 48, 8127-34		326
1090	High-levels of microplastic pollution in a large, remote, mountain lake. 2014 , 85, 156-63		728
1089	Microplastics in freshwater ecosystems: what we know and what we need to know. 2014 , 26, 12		636
1088	Editorial: (Micro)Plastics and the environment. 2014 , 26, 16		9
1087	Oceans. Microplastics in the seas. 2014 , 345, 144-5		657

1086	Polybrominated diphenyl ethers (PBDEs) in fish tissue may be an indicator of plastic contamination in marine habitats. 2014 , 476-477, 622-33	135
1085	Global research priorities to mitigate plastic pollution impacts on marine wildlife. 2014 , 25, 225-247	211
1084	Anthropogenic debris in seafood: Plastic debris and fibers from textiles in fish and bivalves sold for human consumption. <i>Scientific Reports</i> , 2015 , 5, 14340	4.9 677
1083	Marine litter, future prospects for research. 2015 , 2,	53
1082	The vertical distribution of buoyant plastics at sea: an observational study in the North Atlantic Gyre. 2015 , 12, 1249-1256	245
1081	The discharge of certain amounts of industrial microplastic from a production plant into the River Danube is permitted by the Austrian legislation. 2015 , 200, 159-60	131
1080	Plastic and metal ingestion in three species of coastal waterfowl wintering in Atlantic Canada. 2015 , 98, 349-53	27
1079	. 2015 , 17, 20-26	37
1078	Ingested microplastics (>100 μ m) are translocated to organs of the tropical fiddler crab <i>Uca rapax</i> . 2015 , 96, 491-5	141
1077	East Asian seas: A hot spot of pelagic microplastics. 2015 , 101, 618-23	221
1076	Environmental quality assessment of Grand Harbour (Valletta, Maltese Islands): a case study of a busy harbour in the Central Mediterranean Sea. 2015 , 187, 747	41
1075	Novel methods, new results and science-based solutions to tackle marine debris impacts on wildlife. 2015 , 115, 4-9	52
1074	Focal plane array detector-based micro-Fourier-transform infrared imaging for the analysis of microplastics in environmental samples. 2015 , 12, 563	292
1073	Microplastics in freshwater systems: a review of the emerging threats, identification of knowledge gaps and prioritisation of research needs. 2015 , 75, 63-82	1250
1072	The impact of polystyrene microplastics on feeding, function and fecundity in the marine copepod <i>Calanus helgolandicus</i> . 2015 , 49, 1130-7	643
1071	Plastic debris in the Laurentian Great Lakes: A review. 2015 , 41, 9-19	210
1070	Plastics in the Oceans. 2015 , 295-318	7
1069	Methodology Used for the Detection and Identification of Microplastics: A Critical Appraisal. 2015 , 201-227	169

1068	Characterisation, quantity and sorptive properties of microplastics extracted from cosmetics. 2015 , 99, 178-85	413
1067	Microplastics in the Marine Environment: Distribution, Interactions and Effects. 2015 , 245-307	149
1066	Microplastics in the Marine Environment: Sources, Consequences and Solutions. 2015 , 185-200	101
1065	Sources and Pathways of Microplastics to Habitats. 2015 , 229-244	66
1064	A Brief History of Marine Litter Research. 2015 , 1-25	70
1063	Deleterious Effects of Litter on Marine Life. 2015 , 75-116	192
1062	The Complex Mixture, Fate and Toxicity of Chemicals Associated with Plastic Debris in the Marine Environment. 2015 , 117-140	110
1061	Microplastics in sediments: A review of techniques, occurrence and effects. 2015 , 111, 5-17	573
1060	New link in the food chain? Marine plastic pollution and seafood safety. 2015 , 123, A34-41	168
1059	Plastic debris in the coastal environment: The invincible threat? Abundance of buried plastic debris on Malaysian beaches. 2015 , 33, 812-21	39
1058	Fish Oil Contaminated with Persistent Organic Pollutants Reduces Antioxidant Capacity and Induces Oxidative Stress without Affecting Its Capacity to Lower Lipid Concentrations and Systemic Inflammation in Rats. 2015 , 145, 939-44	17
1057	Occurrence and amount of microplastic ingested by fishes in watersheds of the Gulf of Mexico. 2015 , 100, 264-269	151
1056	Commentary: Plastic ocean and the cancer connection: 7 questions and answers. 2015 , 142, 575-8	17
1055	Microplastics in the Ocean. 2015 , 69, 265-8	92
1054	Facilitated Leaching of Additive-Derived PBDEs from Plastic by Seabirds' Stomach Oil and Accumulation in Tissues. 2015 , 49, 11799-807	159
1053	Threat of plastic pollution to seabirds is global, pervasive, and increasing. 2015 , 112, 11899-904	458
1052	Evaluation of the impact of polyethylene microbeads ingestion in European sea bass (<i>Dicentrarchus labrax</i>) larvae. 2015 , 112, 78-85	217
1051	Ingestion of microplastics by commercial fish off the Portuguese coast. 2015 , 101, 119-126	476

1050	Epistemology of contaminants of emerging concern and literature meta-analysis. 2015 , 282, 2-9	56
1049	Seasonal-Dial Shifts of Ichthyoplankton Assemblages and Plastic Debris around an Equatorial Atlantic Archipelago. 2016 , 4,	21
1048	Microbes on a Bottle: Substrate, Season and Geography Influence Community Composition of Microbes Colonizing Marine Plastic Debris. 2016 , 11, e0159289	225
1047	Modeling marine surface microplastic transport to assess optimal removal locations. 2016 , 11, 014006	80
1046	Sorption of Hydrophobic Organic Compounds to Plastics in the Marine Environment: Equilibrium. 2016 , 185-204	26
1045	Microplastics as vectors for bioaccumulation of hydrophobic organic chemicals in the marine environment: A state-of-the-science review. 2016 , 35, 1667-76	262
1044	Decontaminated fishmeal and fish oil from the Baltic Sea are promising feed sources for Arctic char (<i>Salvelinus alpinus</i> L.) Studies of flesh lipid quality and metabolic profile. 2016 , 118, 862-873	21
1043	Wastewater treatment plant effluent as a source of microplastics: review of the fate, chemical interactions and potential risks to aquatic organisms. 2016 , 74, 2253-2269	149
1042	Low plastic ingestion rate in Atlantic cod (<i>Gadus morhua</i>) from Newfoundland destined for human consumption collected through citizen science methods. 2016 , 113, 428-437	46
1041	Microplastics elutriation from sandy sediments: A granulometric approach. 2016 , 107, 315-323	44
1040	Plastic ingestion by fish in the Southern Hemisphere: A baseline study and review of methods. 2016 , 107, 286-291	84
1039	Synthetic shorelines in New Zealand? Quantification and characterisation of microplastic pollution on Canterbury's coastlines. 2016 , 50, 317-325	48
1038	Release of (14)C-labelled carbon nanotubes from polycarbonate composites. 2016 , 215, 356-365	21
1037	Plastic ingestion by estuarine mullet <i>Mugil cephalus</i> (Mugilidae) in an urban harbour, KwaZulu-Natal, South Africa. 2016 , 38, 145-149	64
1036	Styrofoam Debris as a Source of Hazardous Additives for Marine Organisms. 2016 , 50, 4951-60	119
1035	Microplastics on beaches: ingestion and behavioural consequences for beachhoppers. 2016 , 163, 1	59
1034	Towards the suitable monitoring of ingestion of microplastics by marine biota: A review. 2016 , 218, 1200-1208	135
1033	Emissions of microplastic fibers from microfiber fleece during domestic washing. 2016 , 23, 22206-22211	182

1032	Release of synthetic microplastic plastic fibres from domestic washing machines: Effects of fabric type and washing conditions. 2016 , 112, 39-45	615
1031	Relative importance of microplastics as a pathway for the transfer of hydrophobic organic chemicals to marine life. 2016 , 219, 56-65	251
1030	Plastic debris contamination in the life cycle of Acoupa weakfish (<i>Cynoscion acoupa</i>) in a tropical estuary. 2016 , 73, 2695-2707	55
1029	Heavy metals, metalloids and other hazardous elements in marine plastic litter. 2016 , 111, 136-142	81
1028	The Role of Plastic Debris as Another Source of Hazardous Chemicals in Lower-Trophic Level Organisms. 2016 , 281-295	8
1027	Elemental concentrations and bioaccessibilities in beached plastic foam litter, with particular reference to lead in polyurethane. 2016 , 112, 265-270	38
1026	Ingestion of Plastics by Marine Organisms. 2016 , 235-266	24
1025	A study of wrecked Dovekies (<i>Alle alle</i>) in the western North Atlantic highlights the importance of using standardized methods to quantify plastic ingestion. 2016 , 113, 75-80	27
1024	Microplastics affect assimilation efficiency in the freshwater amphipod <i>Gammarus fossarum</i> . 2016 , 23, 23522-23532	129
1023	Plastic ingestion by Newell's (<i>Puffinus newelli</i>) and wedge-tailed shearwaters (<i>Ardenna pacifica</i>) in Hawaii. 2016 , 23, 23951-23958	18
1022	Microplastics in aquatic environments: Implications for Canadian ecosystems. 2016 , 218, 269-280	283
1021	Hazardous or not - Are adult and juvenile individuals of <i>Potamopyrgus antipodarum</i> affected by non-buoyant microplastic particles?. 2016 , 218, 383-391	60
1020	Marine plastic debris emits a keystone infochemical for olfactory foraging seabirds. 2016 , 2, e1600395	136
1019	Microplastic fragments and microbeads in digestive tracts of planktivorous fish from urban coastal waters. <i>Scientific Reports</i> , 2016 , 6, 34351	4.9 318
1018	Pelagic plastic pollution within the surface waters of Lake Michigan, USA. 2016 , 42, 753-759	70
1017	Transfer of benzo[a]pyrene from microplastics to <i>Artemia nauplii</i> and further to zebrafish via a trophic food web experiment: CYP1A induction and visual tracking of persistent organic pollutants. 2016 , 35, 1656-66	324
1016	No measurable "cleaning" of polychlorinated biphenyls from Rainbow Trout in a 9 week depuration study with dietary exposure to 40% polyethylene microspheres. 2016 , 18, 788-95	25
1015	Exposure of marine mussels <i>Mytilus</i> spp. to polystyrene microplastics: Toxicity and influence on fluoranthene bioaccumulation. 2016 , 216, 724-737	349

1014	Preliminary study on marine debris pollution along Marina beach, Chennai, India. 2016 , 5, 35-40	43
1013	Sorption of pharmaceuticals and personal care products to polyethylene debris. 2016 , 23, 8819-26	197
1012	Disposal of composite boats and other marine composites. 2016 , 185-213	5
1011	Fin whales and microplastics: The Mediterranean Sea and the Sea of Cortez scenarios. 2016 , 209, 68-78	225
1010	Plastic ingestion by pelagic and demersal fish from the North Sea and Baltic Sea. 2016 , 102, 134-41	342
1009	Water quality assessment of lake water: a review. 2016 , 2, 161-173	170
1008	Short-term exposure with high concentrations of pristine microplastic particles leads to immobilisation of <i>Daphnia magna</i> . 2016 , 153, 91-9	257
1007	Intestinal alterations in European sea bass <i>Dicentrarchus labrax</i> (Linnaeus, 1758) exposed to microplastics: Preliminary results. 2016 , 212, 251-256	293
1006	Microplastics Alter the Properties and Sinking Rates of Zooplankton Faecal Pellets. 2016 , 50, 3239-46	310
1005	Redefining pollution and action: The matter of plastics. 2016 , 21, 87-110	68
1004	Microplastic as a Vector for Chemicals in the Aquatic Environment: Critical Review and Model-Supported Reinterpretation of Empirical Studies. 2016 , 50, 3315-26	704
1003	Chemical Pollutants Sorbed to Ingested Microbeads from Personal Care Products Accumulate in Fish. 2016 , 50, 4037-44	265
1002	Is there any consistency between the microplastics found in the field and those used in laboratory experiments?. 2016 , 211, 111-23	260
1001	Microplastics in the aquatic and terrestrial environment: sources (with a specific focus on personal care products), fate and effects. 2016 , 28, 2	653
1000	Microplastics as vector for heavy metal contamination from the marine environment. 2016 , 178, 189-195	631
999	Are we eating plastic-ingesting fish?. 2016 , 103, 109-114	114
998	Plastic and marine turtles: a review and call for research. 2016 , 73, 165-181	169
997	Microplastic interactions with North Atlantic mesopelagic fish. 2016 , 73, 1214-1225	167

996	Effects of Toxic Leachate from Commercial Plastics on Larval Survival and Settlement of the Barnacle <i>Amphibalanus amphitrite</i> . 2016 , 50, 924-31	139
995	The ecological impacts of marine debris: unraveling the demonstrated evidence from what is perceived. 2016 , 97, 302-12	283
994	Can Beach Cleans Do More Than Clean-Up Litter? Comparing Beach Cleans to Other Coastal Activities. 2017 , 49, 509-535	54
993	Assessment of microplastic-sorbed contaminant bioavailability through analysis of biomarker gene expression in larval zebrafish. 2017 , 116, 291-297	106
992	Is the feeding type related with the content of microplastics in intertidal fish gut?. 2017 , 116, 498-500	152
991	Morphology of the filtration apparatus of three planktivorous fishes and relation with ingested anthropogenic particles. 2017 , 116, 182-191	68
990	Microplastics in freshwater and terrestrial environments: Evaluating the current understanding to identify the knowledge gaps and future research priorities. 2017 , 586, 127-141	1226
989	Adverse effects of microplastics and oxidative stress-induced MAPK/Nrf2 pathway-mediated defense mechanisms in the marine copepod <i>Paracyclops nana</i> . <i>Scientific Reports</i> , 2017 , 7, 41323	4-9 183
988	Floating macro-litter along the Mediterranean French coast: Composition, density, distribution and overlap with cetacean range. 2017 , 118, 155-166	41
987	Are whale sharks exposed to persistent organic pollutants and plastic pollution in the Gulf of California (Mexico)? First ecotoxicological investigation using skin biopsies. 2017 , 199, 48-58	42
986	Combined Effects of UV Exposure Duration and Mechanical Abrasion on Microplastic Fragmentation by Polymer Type. 2017 , 51, 4368-4376	453
985	Microplastic ingestion in fish larvae in the western English Channel. 2017 , 226, 250-259	246
984	Microplastics are not important for the cycling and bioaccumulation of organic pollutants in the oceans-but should microplastics be considered POPs themselves?. 2017 , 13, 460-465	123
983	Microplastics as contaminants in commercially important seafood species. 2017 , 13, 516-521	101
982	Ingestion of microplastics by fish and its potential consequences from a physical perspective. 2017 , 13, 510-515	217
981	Trophic transfer of microplastics does not affect fish personality. 2017 , 123, 159-167	77
980	Dining in the Deep: The Feeding Ecology of Deep-Sea Fishes. 2017 , 9, 337-366	84
979	First detection of seven phthalate esters (PAEs) as plastic tracers in superficial neustonic/planktonic samples and cetacean blubber. 2017 , 9, 1512-1520	59

978	Gaps in aquatic toxicological studies of microplastics. 2017 , 184, 841-848	59
977	Are There Nanoplastics in Your Personal Care Products?. 2017 , 4, 280-285	262
976	Occurrence and effects of plastic additives on marine environments and organisms: A review. 2017 , 182, 781-793	452
975	Microplastics in gut contents of coastal freshwater fish from Rõ de la Plata estuary. 2017 , 122, 85-90	131
974	Anthropogenic Litter Abundance and Accumulation Rates Point to Seasonal Litter Sources on a Great Lakes Beach. 2017 , 160, 72-84	12
973	Plastic and Human Health: A Micro Issue?. 2017 , 51, 6634-6647	972
972	Ingestion of micro- and nanoplastics in <i>Daphnia magna</i> - Quantification of body burdens and assessment of feeding rates and reproduction. 2017 , 228, 398-407	247
971	Advancing the quality of environmental microplastic research. 2017 , 36, 1697-1703	85
970	Microplastics Sampling and Sample Handling. 2017 , 75, 25-47	13
969	Rapid and Efficient Method for the Detection of Microplastic in the Gastrointestinal Tract of Fishes. 2017 , 51, 4522-4530	91
968	Distribution and importance of microplastics in the marine environment: A review of the sources, fate, effects, and potential solutions. 2017 , 102, 165-176	990
967	Estimating quantities and sources of marine debris at a continental scale. 2017 , 15, 18-25	74
966	Microplastics and mesoplastics in fish from coastal and fresh waters of China. 2017 , 221, 141-149	413
965	Inventory and transport of plastic debris in the Laurentian Great Lakes. 2017 , 115, 273-281	65
964	Plastic as a Persistent Marine Pollutant. 2017 , 42, 1-26	316
963	Plastic pollution in freshwater ecosystems: macro-, meso-, and microplastic debris in a floodplain lake. 2017 , 189, 581	112
962	From the surface to the seafloor: How giant larvaceans transport microplastics into the deep sea. 2017 , 3, e1700715	107
961	Do polyethylene microplastic beads alter the intestinal uptake of Ag in rainbow trout (<i>Oncorhynchus mykiss</i>)? Analysis of the MP vector effect using <i>in vitro</i> gut sacs. 2017 , 231, 200-206	40

960	Extraction of Organochlorine Pesticides from Plastic Pellets and Plastic Type Analysis. 2017 ,	5
959	Polystyrene nanoplastics inhibit reproduction and induce abnormal embryonic development in the freshwater crustacean <i>Daphnia galeata</i> . <i>Scientific Reports</i> , 2017 , 7, 12095	4-9 115
958	Recovering microplastics from marine samples: A review of current practices. 2017 , 123, 6-18	131
957	Microbial biotechnology addressing the plastic waste disaster. 2017 , 10, 1232-1235	47
956	Odours from marine plastic debris induce food search behaviours in a forage fish. 2017 , 284,	78
955	Microplastic ingestion by <i>Mullus surmuletus</i> Linnaeus, 1758 fish and its potential for causing oxidative stress. 2017 , 159, 135-142	178
954	Micro- and Nanoplastic Pollution of Freshwater and Wastewater Treatment Systems. 2017 , 5, 19-30	69
953	The First Evaluation of Microplastics in Sediments from the Complex Lagoon-Channel of Bizerte (Northern Tunisia). 2017 , 228, 1	78
952	The uptake of macroplastic & microplastic by demersal & pelagic fish in the Northeast Atlantic around Scotland. 2017 , 122, 353-359	117
951	Microplastic contamination of intertidal sediments of Scapa Flow, Orkney: A first assessment. 2017 , 124, 112-120	63
950	The Effect of Microplastic on the Uptake of Chemicals by the Lugworm <i>Arenicola marina</i> (L.) under Environmentally Relevant Exposure Conditions. 2017 , 51, 8795-8804	82
949	Sampling, isolating and identifying microplastics ingested by fish and invertebrates. 2017 , 9, 1346-1360	460
948	Plastics in the Marine Environment. 2017 , 9, 205-229	437
947	Microplastic in Aquatic Ecosystems. 2017 , 56, 1720-1739	321
946	Marine pollution originating from purse seine and longline fishing vessel operations in the Western and Central Pacific Ocean, 2003-2015. 2017 , 46, 190-200	18
945	Presence of microplastic in the digestive tracts of European flounder, <i>Platichthys flesus</i> , and European smelt, <i>Osmerus eperlanus</i> , from the River Thames. 2017 , 220, 744-751	112
944	Plastic litter in sediments from the Croatian marine protected area of the natural park of Telašća bay (Adriatic Sea). 2017 , 114, 583-586	89
943	Mikroplastik in aquatischen Ökosystemen. 2017 , 129, 1744-1764	10

942	Distribution and Modeled Transport of Plastic Pollution in the Great Lakes, the World's Largest Freshwater Resource. 2017 , 5,	72
941	Mikroplastik in Binnengewässern. 2017 , 1-35	3
940	The Role of Laboratory Experiments in the Validation of Field Data. 2017 , 75, 241-273	5
939	Direct and indirect effects of different types of microplastics on freshwater prey (<i>Corbicula fluminea</i>) and their predator (<i>Acipenser transmontanus</i>). 2017 , 12, e0187664	80
938	Do microplastic particles affect <i>Daphnia magna</i> at the morphological, life history and molecular level?. 2017 , 12, e0187590	94
937	Barrier properties improvement using additives. 2017 , 465-495	4
936	Marine Debris. 389-408	0
935	Distribution and biological implications of plastic pollution on the fringing reef of Mo'orea, French Polynesia. 2017 , 5, e3733	18
934	Effectiveness of a methodology of microplastics isolation for environmental monitoring in freshwater systems. 2018 , 89, 488-495	45
933	A critical perspective on early communications concerning human health aspects of microplastics. 2018 , 626, 720-726	216
932	Observation of the degradation of three types of plastic pellets exposed to UV irradiation in three different environments. 2018 , 628-629, 740-747	168
931	Microplastics in sediments from the littoral zone of the north Tunisian coast (Mediterranean Sea). 2018 , 205, 1-9	120
930	High intake rates of microplastics in a Western Atlantic predatory fish, and insights of a direct fishery effect. 2018 , 236, 706-717	69
929	A critical review of histopathological findings associated with endocrine and non-endocrine hepatic toxicity in fish models. 2018 , 197, 60-78	74
928	Microplastic accumulation patterns and transfer of benzo[a]pyrene to adult zebrafish (<i>Danio rerio</i>) gills and zebrafish embryos. 2018 , 235, 918-930	122
927	Accumulation, tissue distribution, and biochemical effects of polystyrene microplastics in the freshwater fish red tilapia (<i>Oreochromis niloticus</i>). 2018 , 238, 1-9	248
926	Microplastics in sub-surface waters of the Arctic Central Basin. 2018 , 130, 8-18	195
925	Ecotoxicological effects of microplastics on biota: a review. 2018 , 25, 14373-14396	310

924	The sorption kinetics and isotherms of sulfamethoxazole with polyethylene microplastics. 2018 , 131, 191-196	111
923	The effects of trophic transfer and environmental factors on microplastic uptake by plaice, <i>Pleuronectes plastessa</i> , and spider crab, <i>Maja squinado</i> . 2018 , 239, 351-358	76
922	Microplastic ingestion by <i>Daphnia magna</i> and its enhancement on algal growth. 2018 , 633, 500-507	157
921	Spatial and temporal distribution of microplastics in water and sediments of a freshwater system (Antu River, Portugal). 2018 , 633, 1549-1559	298
920	Interaction of toxic chemicals with microplastics: A critical review. 2018 , 139, 208-219	378
919	Microplastics Affect Energy Balance and Gametogenesis in the Pearl Oyster <i>Pinctada margaritifera</i> . 2018 , 52, 5277-5286	98
918	Ingestion of plastic by fish destined for human consumption in remote South Pacific Islands. 2018 , 10, 81-97	24
917	Marine Litter. 2018 , 447-461	1
916	The unaccountability case of plastic pellet pollution. 2018 , 129, 52-60	87
915	Polystyrene Nanoplastics-Enhanced Contaminant Transport: Role of Irreversible Adsorption in Glassy Polymeric Domain. 2018 , 52, 2677-2685	106
914	Occurrence of microplastics in commercial fish from a natural estuarine environment. 2018 , 128, 575-584	227
913	Quantifying nanoplastic-bound chemicals accumulated in <i>Daphnia magna</i> with a passive dosing method. 2018 , 5, 776-781	24
912	Ecological connectivity between land and sea: a review. 2018 , 33, 51-61	18
911	Spatio-temporal variation of anthropogenic marine debris on Chilean beaches. 2018 , 126, 516-524	75
910	Interactions of Microplastics with Freshwater Biota. 2018 , 153-180	40
909	Micro-plastic ingestion by waterbirds from contaminated wetlands in South Africa. 2018 , 126, 330-333	90
908	Digestible Fluorescent Coatings for Cumulative Quantification of Microplastic Ingestion. 2018 , 5, 62-67	11
907	Microplastics cause neurotoxicity, oxidative damage and energy-related changes and interact with the bioaccumulation of mercury in the European seabass, <i>Dicentrarchus labrax</i> (Linnaeus, 1758). 2018 , 195, 49-57	296

906	Anticyclonic eddies increase accumulation of microplastic in the North Atlantic subtropical gyre. 2018 , 126, 191-196		66
905	Microplastics in freshwater systems: A review on occurrence, environmental effects, and methods for microplastics detection. 2018 , 137, 362-374		687
904	Effective and easy to use extraction method shows low numbers of microplastics in offshore planktivorous fish from the northern Baltic Sea. 2018 , 127, 586-592		32
903	Assessment tools for microplastics and natural fibres ingested by fish in an urbanised estuary. 2018 , 234, 552-561		101
902	Trophic transfer and individual impact of nano-sized polystyrene in a four-species freshwater food chain. <i>Scientific Reports</i> , 2018 , 8, 284	4-9	198
901	Dynamics in Microplastic Ingestion During the Past Six Decades in Herbivorous Fish on the Mediterranean Israeli Coast. 2018 , 159-165		5
900	Sampling of micro(nano)plastics in environmental compartments: How to define standard procedures? 2018 , 1, 36-40		23
899	The effects of microplastic on freshwater <i>Hydra attenuata</i> feeding, morphology & reproduction. 2018 , 234, 487-494		102
898	Combined effects of microplastics and chemical contaminants on the organ toxicity of zebrafish (<i>Danio rerio</i>). 2018 , 162, 135-143		172
897	The effects of sewage treatment plant effluents on hepatic and intestinal biomarkers in common carp (<i>Cyprinus carpio</i>). 2018 , 635, 1160-1169		18
896	Marine litter plastics and microplastics and their toxic chemicals components: the need for urgent preventive measures. 2018 , 30, 13		271
895	Accumulation of polystyrene microplastics in juvenile <i>Eriocheir sinensis</i> and oxidative stress effects in the liver. 2018 , 200, 28-36		244
894	A review of methods for measuring microplastics in aquatic environments. 2018 , 25, 11319-11332		151
893	Microplastic does not magnify the acute effect of PAH pyrene on predatory performance of a tropical fish (<i>Lates calcarifer</i>). 2018 , 198, 287-293		50
892	Adsorption of antibiotics on microplastics. 2018 , 237, 460-467		449
891	Fate of Nanoplastics in Marine Larvae: A Case Study Using Barnacles, <i>Amphibalanus amphitrite</i> . 2018 , 6, 6932-6940		57
890	Quantifying shedding of synthetic fibers from textiles; a source of microplastics released into the environment. 2018 , 25, 1191-1199		215
889	Evaluation of microplastic release caused by textile washing processes of synthetic fabrics. 2018 , 236, 916-925		263

888	Microplastic and mesoplastic contamination in canned sardines and sprats. 2018 , 612, 1380-1386	144
887	Microplastic sampling with the AVANI trawl compared to two neuston trawls in the Bay of Bengal and South Pacific. 2018 , 232, 430-439	59
886	Different partition of polycyclic aromatic hydrocarbon on environmental particulates in freshwater: Microplastics in comparison to natural sediment. 2018 , 147, 648-655	105
885	Incidence of marine debris in cetaceans stranded and bycaught in Ireland: Recent findings and a review of historical knowledge. 2018 , 232, 467-476	107
884	Microplastic: What Are the Solutions?. 2018 , 273-298	34
883	Microplastic Pollution in Inland Waters Focusing on Asia. 2018 , 85-99	29
882	Microplastic-Associated Biofilms: A Comparison of Freshwater and Marine Environments. 2018 , 181-201	60
881	Ingestion and fragmentation of plastic carrier bags by the amphipod <i>Orchestia gammarellus</i> : Effects of plastic type and fouling load. 2018 , 127, 154-159	42
880	Bioindicators for monitoring marine litter ingestion and its impacts on Mediterranean biodiversity. 2018 , 237, 1023-1040	149
879	Effects of pristine polyvinyl chloride fragments on whole body histology and protease activity in silver barb <i>Barbodes gonionotus</i> fry. 2018 , 237, 1106-1111	34
878	Structural Analysis of the Complexation of Uranyl, Neptunyl, Plutonyl, and Americyl with Cyclic Imide Dioximes. 2018 , 3, 13984-13993	10
877	Oxidative stress, energy metabolism and molecular responses of earthworms (<i>Eisenia fetida</i>) exposed to low-density polyethylene microplastics. 2018 , 25, 33599-33610	81
876	A Paradigm Shift in the Trophic Importance of Jellyfish?. 2018 , 33, 874-884	92
875	Floating plastics in Adriatic waters (Mediterranean Sea): From the macro- to the micro-scale. 2018 , 136, 341-350	68
874	Desorption of Hydrophobic Organic Chemicals from Fragment-Type Microplastics. 2018 , 53, 631-639	10
873	Biodegradable plastic designed to improve the soil quality and microbiological activity. 2018 , 158, 52-63	8
872	Macro- and microplastics affect cold-water corals growth, feeding and behaviour. <i>Scientific Reports</i> , 2018 , 8, 15299	4-9 70
871	Occurrence, sources, human health impacts and mitigation of microplastic pollution. 2018 , 25, 36046-36063	191

870	Microplastic in marine organism: Environmental and toxicological effects. 2018 , 64, 164-171		289
869	Marine debris as a barrier: Assessing the impacts on sea turtle hatchlings on their way to the ocean. 2018 , 137, 481-487		11
868	Comparison of Raman and Fourier Transform Infrared Spectroscopy for the Quantification of Microplastics in the Aquatic Environment. 2018 , 52, 13279-13288		143
867	Microplastics increase mercury bioconcentration in gills and bioaccumulation in the liver, and cause oxidative stress and damage in <i>Dicentrarchus labrax</i> juveniles. <i>Scientific Reports</i> , 2018 , 8, 15655	4.9	95
866	Comparisons of analytical chemistry and biological activities of extracts from North Pacific gyre plastics with UV-treated and untreated plastics using in vitro and in vivo models. 2018 , 121, 942-954		31
865	Effects of polymethylmethacrylate nanoplastics on <i>Dicentrarchus labrax</i> . 2018 , 110, 435-441		80
864	Microplastics in the aquatic environment: Evidence for or against adverse impacts and major knowledge gaps. 2018 , 37, 2776-2796		267
863	Size matters more than shape: Ingestion of primary and secondary microplastics by small predators. 2018 , 17, e00097		108
862	Emerging investigator series: inhibition and recovery of anaerobic granular sludge performance in response to short-term polystyrene nanoparticle exposure. 2018 , 4, 1902-1911		13
861	Acute toxicity of organic pesticides to <i>Daphnia magna</i> is unchanged by co-exposure to polystyrene microplastics. 2018 , 166, 26-34		47
860	Effects of virgin microplastics on goldfish (<i>Carassius auratus</i>). 2018 , 213, 323-332		114
859	Polymer Identification of Plastic Debris Ingested by Pelagic-Phase Sea Turtles in the Central Pacific. 2018 , 52, 11535-11544		11
858	A quantitative analysis linking sea turtle mortality and plastic debris ingestion. <i>Scientific Reports</i> , 2018 , 8, 12536	4.9	78
857	Biodegradable Plastic Blends Create New Possibilities for End-of-Life Management of Plastics but They Are Not a Panacea for Plastic Pollution. 2018 , 52, 10441-10452		176
856	Soybean Oil-Based Thermoset Films and Fibers with High Biobased Carbon Content via Thiol-Ene Photopolymerization. 2018 , 6, 8364-8373		11
855	The effect of polymer aging on the uptake of fuel aromatics and ethers by microplastics. 2018 , 240, 639-646		122
854	Linking plastic ingestion research with marine wildlife conservation. 2018 , 637-638, 1492-1495		27
853	Microplastics in mussels and fish from the Northern Ionian Sea. 2018 , 135, 30-40		201

852	Single contaminant and combined exposures of polyethylene microplastics and fluoranthene: accumulation and oxidative stress response in the blue mussel, <i>Mytilus edulis</i> . 2018 , 81, 761-773	67
851	Sorption of Toxic Chemicals on Microplastics. 2018 , 225-247	8
850	Cationic polystyrene nanoparticle and the sea urchin immune system: biocorona formation, cell toxicity, and multixenobiotic resistance phenotype. 2018 , 12, 847-867	45
849	Accumulation of Plastic Debris and Associated Contaminants in Aquatic Food Webs. 2018 , 52, 8510-8520	132
848	Persistent marine litter: small plastics and cigarette butts remain on beaches after organized beach cleanups. 2018 , 190, 414	23
847	Marine Microplastics: Abundance, Distribution, and Composition. 2018 , 1-26	19
846	Maternal transfer of nanoplastics to offspring in zebrafish (<i>Danio rerio</i>): A case study with nanopolystyrene. 2018 , 643, 324-334	129
845	Plastic pellets, meso- and microplastics on the coastline of Northern Crete: Distribution and organic pollution. 2018 , 133, 578-589	45
844	Pectin based finishing to mitigate the impact of microplastics released by polyamide fabrics. 2018 , 198, 175-180	30
843	Scleractinian coral microplastic ingestion: Potential calcification effects, size limits, and retention. 2018 , 135, 587-593	65
842	Constraints and Priorities for Conducting Experimental Exposures of Marine Organisms to Microplastics. 2018 , 5,	113
841	Application of nuclear techniques to environmental plastics research. 2018 , 192, 368-375	21
840	Microplastics in Small Waterbodies and Tadpoles from Yangtze River Delta, China. 2018 , 52, 8885-8893	127
839	Observational Study Unveils the Extensive Presence of Hazardous Elements in Beached Plastics from Lake Geneva. 2018 , 6,	37
838	Frequency of Microplastics in Mesopelagic Fishes from the Northwest Atlantic. 2018 , 5,	65
837	Microplastics as Vehicles of Environmental PAHs to Marine Organisms: Combined Chemical and Physical Hazards to the Mediterranean Mussels, <i>Mytilus galloprovincialis</i> . 2018 , 5,	162
836	Microplastics Reduce Short-Term Effects of Environmental Contaminants. Part I: Effects of Bisphenol A on Freshwater Zooplankton Are Lower in Presence of Polyamide Particles. 2018 , 15,	65
835	Microplastic Contamination of Wild and Captive Flathead Grey Mullet (<i>Mugil cephalus</i>). 2018 , 15,	64

834	Considerations on the use of equilibrium models for the characterisation of HOC-microplastic interactions in vector studies. 2018 , 210, 359-365	39
833	Studies of the effects of microplastics on aquatic organisms: What do we know and where should we focus our efforts in the future?. 2018 , 645, 1029-1039	538
832	Current research trends on plastic pollution and ecological impacts on the soil ecosystem: A review. 2018 , 240, 387-395	438
831	Microplastics on the Portuguese coast. 2018 , 131, 294-302	50
830	Oceans of plastic: A research agenda to propel policy development. 2018 , 96, 291-298	48
829	Effect of Microplastic Amendment to Food on Diet Assimilation Efficiencies of PCBs by Fish. 2018 , 52, 10796-10802	20
828	Microplastics in Seafood and the Implications for Human Health. 2018 , 5, 375-386	536
827	Bacterial cellulose based greener packaging material: a bioadhesive polymeric film. 2018 , 5, 115405	19
826	Sea Water Contamination in the Vicinity of the Italian Minor Islands Caused by Microplastic Pollution. 2018 , 10, 1108	17
825	Microplastic in riverine fish is connected to species traits. <i>Scientific Reports</i> , 2018 , 8, 11639	4.9 129
824	No evidence of microplastic impacts on consumption or growth of larval <i>Pimephales promelas</i> . 2018 , 37, 2912-2918	24
823	Effects of microplastic exposure on the body condition and behaviour of planktivorous reef fish (<i>Acanthochromis polyacanthus</i>). 2018 , 13, e0193308	120
822	Characterisation of "flushable" and "non-flushable" commercial wet wipes using microRaman, FTIR spectroscopy and fluorescence microscopy: to flush or not to flush. 2018 , 25, 20268-20279	24
821	Microplastic hotspots in the Snake and Lower Columbia rivers: A journey from the Greater Yellowstone Ecosystem to the Pacific Ocean. 2018 , 241, 1082-1090	109
820	Occurrence, Fate, and Effect of Microplastics in Freshwater Systems. 2018 , 95-132	17
819	Marine microplastic debris: An emerging issue for food security, food safety and human health. 2018 , 133, 336-348	539
818	Now, you see me: High concentrations of floating plastic debris in the coastal waters of the Balearic Islands (Spain). 2018 , 133, 636-646	39
817	Seasonal variability in vulnerability for Cassin's auklets (<i>Ptychoramphus aleuticus</i>) exposed to microplastic pollution in the Canadian Pacific region. 2019 , 649, 50-60	13

816	Micro- and Macroplastics in Aquatic Ecosystems. 2019 , 116-125	2
815	From Macroplastic to Microplastic Litter: Occurrence, Composition, Source Identification and Interaction with Aquatic Organisms. Experiences from the Adriatic Sea. 2019 ,	6
814	Adsorption behavior of organic pollutants and metals on micro/nanoplastics in the aquatic environment. 2019 , 694, 133643	190
813	Impacts of plastic products used in daily life on the environment and human health: What is known?. 2019 , 72, 103239	58
812	Investigating microplastics bioaccumulation and biomagnification in seafood from the Persian Gulf: a threat to human health?. 2019 , 36, 1696-1708	59
811	Sorption of antibiotics onto aged microplastics in freshwater and seawater. 2019 , 149, 110511	88
810	Flockungsmittel zur Entfernung von Mikroplastik aus industriellen Abwässern. 2019 , 91, 1468-1471	
809	An Industry in Transition: The Chemical Industry and the Megatrends Driving Its Forthcoming Transformation. 2019 , 131, 11272	
808	Abundance and characteristics of microplastics in commercial marine fish from Malaysia. 2019 , 148, 5-15	90
807	Plastics occurrence in the gastrointestinal tract of Zeus faber and Lepidopus caudatus from the Tyrrhenian Sea. 2019 , 146, 408-416	24
806	Current practices and future perspectives of microplastic pollution in freshwater ecosystems in China. 2019 , 691, 697-712	87
805	Microplastic contamination of table salts from Taiwan, including a global review. <i>Scientific Reports</i> , 2019 , 9, 10145	4-9 47
804	Particulate plastics as a vector for toxic trace-element uptake by aquatic and terrestrial organisms and human health risk. 2019 , 131, 104937	169
803	Toward the Development and Application of an Environmental Risk Assessment Framework for Microplastic. 2019 , 38, 2087-2100	37
802	Acute toxic effects of polyethylene microplastic on adult zebrafish. 2019 , 182, 109442	77
801	Microplastics as vectors of contaminants. 2019 , 146, 921-924	99
800	Evaluation of non-invasive toxicological analysis of nano-polystyrene in relative in vivo conditions to <i>D. magna</i> . 2019 , 6, 2832-2849	4
799	Preliminary investigation of polymer-based in situ passive samplers for mercury and methylmercury. 2019 , 234, 806-814	5

798	Patterns, dynamics and consequences of microplastic ingestion by the temperate coral, <i>Astrangia poculata</i> . 2019 , 286, 20190726		53
797	Research on ecotoxicology of microplastics on freshwater aquatic organisms. 2019 , 31, 131-137		25
796	Assessing meso- and microplastic pollution in the Ligurian and Tyrrhenian Seas. 2019 , 149, 110572		20
795	Microplastics on the Menu: Plastics Pollute Indonesian Manta Ray and Whale Shark Feeding Grounds. 2019 , 6,		30
794	The potential of microplastics as carriers of metals. 2019 , 255, 113363		149
793	Bioengineering a Future Free of Marine Plastic Waste. 2019 , 6,		15
792	Microplastics induce transcriptional changes, immune response and behavioral alterations in adult zebrafish. <i>Scientific Reports</i> , 2019 , 9, 15775	4.9	100
791	Dietary administration of PVC and PE microplastics produces histological damage, oxidative stress and immunoregulation in European sea bass (<i>Dicentrarchus labrax</i> L.). 2019 , 95, 574-583		60
790	Plastic microbeads: small yet mighty concerning. 2021 , 31, 788-804		6
789	Sea-surface microplastic concentrations along the coastal shelf of KwaZulu-Natal, South Africa. 2019 , 149, 110514		20
788	The accumulation of microplastics in fish from an important fish farm and mariculture area, Haizhou Bay, China. 2019 , 696, 133948		88
787	Microplastic Intake, Its Biotic Drivers, and Hydrophobic Organic Contaminant Levels in the Baltic Herring. 2019 , 7,		11
786	Multidecadal increase in plastic particles in coastal ocean sediments. 2019 , 5, eaax0587		114
785	Environmental occurrences, fate, and impacts of microplastics. 2019 , 184, 109612		135
784	Effects of microplastics and attached heavy metals on growth, immunity, and heavy metal accumulation in the yellow seahorse, <i>Hippocampus kuda</i> Bleeker. 2019 , 149, 110510		38
783	Dynamics of Marine Debris Ingestion by Profitable Fishes Along The Estuarine Ecocline. <i>Scientific Reports</i> , 2019 , 9, 13514	4.9	16
782	Plastic marine debris: sources, impacts and management. 2019 , 76, 953-973		5
781	Effects of microplastic particles and leaching additive on the life history and morphology of <i>Daphnia magna</i> . 2019 , 255, 113233		73

780	Multi-Laboratory Hazard Assessment of Contaminated Microplastic Particles by Means of Enhanced Fish Embryo Test With the Zebrafish (<i>Danio rerio</i>). 2019 , 7,	14
779	Complete Genome Sequence and Characterization of a Polyethylene Biodegradation Strain, LBX-2. 2019 , 7,	13
778	Seasonal variation of plastic debris accumulation in the estuary of Wonorejo River, Surabaya, Indonesia. 2019 , 16, 100490	30
777	Ingestion of plastic fragments by the Guri sea catfish <i>Genidens genidens</i> (Cuvier, 1829) in a subtropical coastal estuarine system. 2019 , 26, 8344-8351	18
776	In vitro evaluation of cytotoxic and genotoxic effects of Di(2-ethylhexyl)-phthalate (DEHP) on European sea bass (<i>Dicentrarchus labrax</i>) embryonic cell line. 2019 , 56, 118-125	14
775	Microplastics in marine mammals stranded around the British coast: ubiquitous but transitory?. <i>Scientific Reports</i> , 2019 , 9, 1075	4.9 141
774	A micro(nano)plastic boomerang tale: A never ending story?. 2019 , 112, 196-200	52
773	Evaluation of microplastic ingestion by tropical fish from Moorea Island, French Polynesia. 2019 , 140, 165-170	32
772	Detection of microplastics in local marine organisms using a multi-technology system. 2019 , 11, 78-87	61
771	High Cell Density Conversion of Hydrolysed Waste Cooking Oil Fatty Acids Into Medium Chain Length Polyhydroxyalkanoate Using <i>Pseudomonas putida</i> KT2440. 2019 , 9, 468	17
770	Assessing the risk of marine litter accumulation in estuarine habitats. 2019 , 144, 117-128	14
769	Abundance and properties of microplastics found in commercial fish meal and cultured common carp (<i>Cyprinus carpio</i>). 2019 , 26, 23777-23787	48
768	Predicting the exposure of coastal species to plastic pollution in a complex island archipelago. 2019 , 252, 982-991	12
767	Microplastic accumulation and biomagnification in a coastal marine reserve situated in a sparsely populated area. 2019 , 146, 54-59	25
766	Impacts of dietary exposure to different sized polystyrene microplastics alone and with sorbed benzo[a]pyrene on biomarkers and whole organism responses in mussels <i>Mytilus galloprovincialis</i> . 2019 , 684, 548-566	65
765	Decreased growth and survival in small juvenile fish, after chronic exposure to environmentally relevant concentrations of microplastic. 2019 , 145, 254-259	64
764	Effects of soil environmental factors and UV aging on Cu adsorption on microplastics. 2019 , 26, 23027-23036	36
763	Partitioning of chemical contaminants to microplastics: Sorption mechanisms, environmental distribution and effects on toxicity and bioaccumulation. 2019 , 252, 1246-1256	167

762	A methodology to assess the probability of marine litter accumulation in estuaries. 2019 , 144, 309-324	12
761	Microplastics. 2019 , 11-19	4
760	Release of radiolabeled multi-walled carbon nanotubes (14C-MWCNT) from epoxy nanocomposites into quartz sand-water systems and their uptake by <i>Lumbriculus variegatus</i> . 2019 , 14, 100159	1
759	An Industry in Transition: The Chemical Industry and the Megatrends Driving Its Forthcoming Transformation. 2019 , 58, 11154-11159	25
758	Mediated food and hydrodynamics on the ingestion of microplastics by <i>Daphnia magna</i> . 2019 , 251, 434-441	17
757	Marine debris: A review of impacts and global initiatives. 2019 , 37, 987-1002	40
756	Study on the capability and characteristics of heavy metals enriched on microplastics in marine environment. 2019 , 144, 61-67	126
755	Anthropogenic particles ingestion in fish species from two areas of the western Mediterranean Sea. 2019 , 144, 325-333	43
754	Microplastics biomonitoring in Australian urban wetlands using a common noxious fish (<i>Gambusia holbrooki</i>). 2019 , 228, 65-74	56
753	Microplastic ingestion in deep-sea fish from the South China Sea. 2019 , 677, 493-501	90
752	Microplastics and the gut microbiome: How chronically exposed species may suffer from gut dysbiosis. 2019 , 143, 193-203	93
751	Sources, transport, and accumulation of different types of plastic litter in aquatic environments: A review study. 2019 , 143, 92-100	202
750	Toxicity assessment of pollutants sorbed on environmental microplastics collected on beaches: Part II-adverse effects on Japanese medaka early life stages. 2019 , 248, 1098-1107	36
749	Biofilm-enhanced adsorption of strong and weak cations onto different microplastic sample types: Use of spectroscopy, microscopy and radiotracer methods. 2019 , 158, 392-400	49
748	Microplastic in wild populations of the omnivorous crab <i>Carcinus aestuarii</i> : A review and a regional-scale test of extraction methods, including microfibrils. 2019 , 251, 117-127	34
747	Microplastics in the diet of nestling double-crested cormorants (<i>Phalacrocorax auritus</i>), an obligate piscivore in a freshwater ecosystem. 2019 , 76, 2156-2163	19
746	Abundance and characteristics of microplastics in the northern coastal waters of Surabaya, Indonesia. 2019 , 142, 183-188	49
745	Prevalence of microplastic pollution in the Northwestern Pacific Ocean. 2019 , 225, 735-744	21

744	The complex issue of chemicals and microplastic pollution: A case study in North Pacific lanternfish. 2019 , 248, 1000-1009	26
743	Microplastic-mediated transport of PCBs? A depuration study with <i>Daphnia magna</i> . 2019 , 14, e0205378	25
742	Seafloor sediments as microplastic sinks in the northern Baltic Sea - Negligible upward transport of buried microplastics by bioturbation. 2019 , 249, 74-81	40
741	Microplastics: Emerging Contaminants Requiring Multilevel Management. 2019 , 405-424	1
740	Microplastics as Contaminant in Freshwater Ecosystem: A Modern Environmental Issue. 2019 , 1-24	
739	Microplastics in freshwater environment: the first evaluation in sediments from seven water streams surrounding the lagoon of Bizerte (Northern Tunisia). 2019 , 26, 14673-14682	51
738	Occurrence and Species-Specific Distribution of Plastic Debris in Wild Freshwater Fish from the Pearl River Catchment, China. 2019 , 38, 1504-1513	28
737	Single and combined effects of microplastics and roxithromycin on <i>Daphnia magna</i> . 2019 , 26, 17010-17020	53
736	Microplastics in coastal areas and seafood: implications for food safety. 2019 , 36, 674-711	98
735	Microplastic Ingestion by Gelatinous Zooplankton May Lower Efficiency of the Biological Pump. 2019 , 53, 5387-5395	48
734	Hydrophobic sorption behaviors of ¹⁷ Estradiol on environmental microplastics. 2019 , 226, 726-735	76
733	Ingestion of macroplastic debris by the common dolphinfish (<i>Coryphaena hippurus</i>) in the Western Equatorial Atlantic. 2019 , 141, 161-163	10
732	Toxicity assessment of pollutants sorbed on environmental sample microplastics collected on beaches: Part I-adverse effects on fish cell line. 2019 , 248, 1088-1097	38
731	Is plastic ingestion in birds as toxic as we think? Insights from a plastic feeding experiment. 2019 , 665, 660-667	22
730	Multiple approaches to assessing the risk posed by anthropogenic plastic debris. 2019 , 141, 188-193	3
729	Microplastics' emissions: Microfibers' detachment from textile garments. 2019 , 248, 1028-1035	82
728	The ecotoxicological effects of microplastics on aquatic food web, from primary producer to human: A review. 2019 , 173, 110-117	218
727	Effect of microplastics on the toxicity of chlorpyrifos to the microalgae <i>Isochrysis galbana</i> , clone t-ISO. 2019 , 173, 103-109	57

726	Detection of Various Microplastics in Human Stool: A Prospective Case Series. 2019 , 171, 453-457	357
725	A Planetary Health Approach to Study Links Between Pollution and Human Health. 2019 , 5, 394-406	7
724	Prey-size plastics are invading larval fish nurseries. 2019 , 116, 24143-24149	61
723	Estimating microplastic-bound intake of hydrophobic organic chemicals by fish using measured desorption rates to artificial gut fluid. 2019 , 651, 162-170	46
722	Microplastics, a food safety issue?. 2019 , 84, 55-57	55
721	Microplastic pollution in the Maowei Sea, a typical mariculture bay of China. 2019 , 658, 62-68	127
720	Ecotoxicological effects of microplastics: Examination of biomarkers, current state and future perspectives. 2019 , 111, 37-46	202
719	Biotechnological tools for the effective management of plastics in the environment. 2019 , 49, 410-441	31
718	Abundance and characteristics of microplastics in market bivalves from South Korea. 2019 , 245, 1107-1116	156
717	Quantifying the bioaccumulation of nanoplastics and PAHs in the clamworm <i>Perinereis aibuhitensis</i> . 2019 , 655, 591-597	25
716	Microplastics do not increase toxicity of a hydrophobic organic chemical to marine plankton. 2019 , 138, 58-62	40
715	Marine litter in sediments related to ecological features in impacted sites and marine protected areas (Croatia). 2019 , 138, 25-29	15
714	Nearshore sea surface macro marine debris in Maui County, Hawaii: Distribution, drivers, and polymer composition. 2019 , 138, 70-83	3
713	Crop-dependent changes in water absorption of expanded polystyrene in soil environments. 2019 , 219, 345-350	12
712	Microplastic ingestion by Atlantic chub mackerel (<i>Scomber colias</i>) in the Canary Islands coast. 2019 , 139, 127-135	67
711	Microplastics and associated PAHs in surface water from the Feilaixia Reservoir in the Beijiang River, China. 2019 , 221, 834-840	123
710	Evaluating exposure of northern fur seals, <i>Callorhinus ursinus</i> , to microplastic pollution through fecal analysis. 2019 , 138, 213-221	39
709	Transfer of PCBs from Microplastics under Simulated Gut Fluid Conditions Is Biphasic and Reversible. 2019 , 53, 1874-1883	81

708	Quantifying ecological risks of aquatic micro- and nanoplastic. 2019 , 49, 32-80	167
707	Microplastics in juvenile Chinook salmon and their nearshore environments on the east coast of Vancouver Island. 2019 , 244, 135-142	48
706	Juvenile fish caging as a tool for assessing microplastics contamination in estuarine fish nursery grounds. 2020 , 27, 3548-3559	12
705	Enhanced in situ biodegradation of microplastics in sewage sludge using hyperthermophilic composting technology. 2020 , 384, 121271	72
704	Understanding How Microplastics Affect Marine Biota on the Cellular Level Is Important for Assessing Ecosystem Function: A Review. 2020 , 101-120	20
703	Uptake and Retention of Nanoplastics in Quagga Mussels. 2020 , 4, 1800104	12
702	Plastic ingestion by marine fish in the wild. 2020 , 50, 657-697	70
701	Bioavailability and toxicity of microplastics to fish species: A review. 2020 , 189, 109913	136
700	Environmental samples of microplastics induce significant toxic effects in fish larvae. 2020 , 134, 105047	135
699	Accumulation of polybrominated diphenyl ethers and microbiome response in the great pond snail <i>Lymnaea stagnalis</i> with exposure to nylon (polyamide) microplastics. 2020 , 188, 109882	23
698	Analysis and inorganic composition of microplastics in commercial Malaysian fish meals. 2020 , 150, 110687	39
697	Microplastics pollution in Bangladesh: current scenario and future research perspective. 2020 , 36, 83-99	6
696	Microphysiological Systems: Next Generation Systems for Assessing Toxicity and Therapeutic Effects of Nanomaterials. 2020 , 4, 1900589	25
695	Environmental pollution and environmental analysis. 2020 , 1-36	1
694	Microplastic occurrence and effects in commercially harvested North American finfish and shellfish: Current knowledge and future directions. 2020 , 5, 113-136	20
693	Microplastic serves as a potential vector for Cr in an in-vitro human digestive model. 2020 , 703, 134805	55
692	Colonization characteristics of bacterial communities on microplastics compared with ambient environments (water and sediment) in Haihe Estuary. 2020 , 708, 134876	44
691	Low level of polystyrene microplastics decreases early developmental toxicity of phenanthrene on marine medaka (<i>Oryzias melastigma</i>). 2020 , 385, 121586	45

690	A preliminary study of the interactions between microplastics and citrate-coated silver nanoparticles in aquatic environments. 2020 , 385, 121601	38
689	Microplastic accumulation in fish from Zhanjiang mangrove wetland, South China. 2020 , 708, 134839	62
688	Holistic assessment of microplastics in various coastal environmental matrices, southwest coast of India. 2020 , 703, 134947	69
687	Microplastic study reveals the presence of natural and synthetic fibres in the diet of King Penguins (<i>Aptenodytes patagonicus</i>) foraging from South Georgia. 2020 , 134, 105303	51
686	Advances and challenges of microplastic pollution in freshwater ecosystems: A UK perspective. 2020 , 256, 113445	80
685	Microplastic Identification via Holographic Imaging and Machine Learning. 2020 , 2, 1900153	34
684	Distribution and Characterization of Microplastics in Surface Waters and the Southern Caspian Sea Coasts Sediments. 2020 , 78, 86-93	22
683	Chronic dietary exposure to polystyrene microplastics in maturing Japanese medaka (<i>Oryzias latipes</i>). 2020 , 220, 105396	38
682	Occurrence and mass loads of biocides in plastic debris from the Pearl River system, South China. 2020 , 246, 125771	15
681	Sorption of PAHs to microplastic and their bioavailability and toxicity to marine copepods under co-exposure conditions. 2020 , 258, 113844	95
680	Interaction of chemical contaminants with microplastics: Principles and perspectives. 2020 , 706, 135978	142
679	Direct and indirect effects of microplastics on bivalves, with a focus on edible species: A mini-review. 2020 , 50, 2109-2143	30
678	Assessment of micro and macroplastics along the west coast of India: Abundance, distribution, polymer type and toxicity. 2020 , 246, 125708	30
677	Micro- and nanoplastic toxicity on aquatic life: Determining factors. 2020 , 709, 136050	164
676	A close relationship between microplastic contamination and coastal area use pattern. 2020 , 171, 115400	60
675	Quali-quantitative analysis of plastics and synthetic microfibers found in demersal species from Southern Tyrrhenian Sea (Central Mediterranean). 2020 , 150, 110596	38
674	Toxicity of microplastics and natural particles in the freshwater dipteran <i>Chironomus riparius</i> : Same same but different?. 2020 , 711, 134604	29
673	Evaluation of microplastic toxicity in accordance with different sizes and exposure times in the marine copepod <i>Tigriopus japonicus</i> . 2019 , 153, 104838	54

672	Low concentrations and low spatial variability of marine microplastics in oysters (<i>Crassostrea virginica</i>) in a rural Georgia estuary. 2020 , 150, 110672	13
671	Quantification and characterisation of microplastics ingested by selected juvenile fish species associated with mangroves in KwaZulu-Natal, South Africa. 2020 , 257, 113635	52
670	Biocompatible solid-phase microextraction coupled to liquid chromatography triple quadrupole mass spectrometry analysis for the determination of phthalates in marine invertebrate. 2020 , 1618, 460852	12
669	Plasticizer Degradation by Marine Bacterial Isolates: A Proteogenomic and Metabolomic Characterization. 2020 , 54, 2244-2256	36
668	Effect of nanoplastics on fish health and performance: A review. 2020 , 151, 110791	38
667	Freshwater microplastics pollution: Detecting and visualizing emerging trends based on Citespace II. 2020 , 245, 125627	42
666	Evaluation of the hazard of irregularly-shaped co-polyamide microplastics on the freshwater non-biting midge <i>Chironomus riparius</i> through its life cycle. 2020 , 244, 125487	24
665	Microplastic ingestion cause intestinal lesions in the intertidal fish <i>Girella laevis</i> . 2020 , 151, 110795	45
664	Microplastic Impacts on Microalgae Growth: Effects of Size and Humic Acid. 2020 , 54, 1782-1789	80
663	What is known and unknown about the effects of plastic pollution: A meta-analysis and systematic review. 2020 , 30, e02044	140
662	Polystyrene microplastics increase uptake, elimination and cytotoxicity of decabromodiphenyl ether (BDE-209) in the marine scallop <i>Chlamys farreri</i> . 2020 , 258, 113657	25
661	Uptake and incorporation of PCBs by eastern Mediterranean rabbitfish that consumed microplastics. 2020 , 150, 110697	14
660	Microplastics ingestion in the ephyra stage of <i>Aurelia</i> sp. triggers acute and behavioral responses. 2020 , 189, 109983	29
659	Are phthalate ester contaminants in northern fulmar preen oil higher in birds that have ingested more plastic?. 2020 , 150, 110679	10
658	Microplastics contamination in tidelands of the Osaka Bay area in western Japan. 2020 , 34, 474-488	6
657	Ingestion of plastic debris by commercially important marine fish in southeast-south Brazil. 2020 , 267, 115508	16
656	Contamination of the Caspian Sea Southern coast sediments with microplastics: A marine environmental problem. 2020 , 160, 111620	8
655	An assessment of microplastic inputs into the aquatic environment from wastewater streams. 2020 , 160, 111538	25

654	A critical review on various trophic transfer routes of microplastics in the context of the Indian coastal ecosystem. 2020 , 2, 25-41	10
653	Occurrence and abundance of meso and microplastics in sediment, surface waters, and marine biota from the South Pacific region. 2020 , 160, 111572	30
652	Evidences of human impact on megabenthic assemblages of bathyal sediments in the Alboran Sea (western Mediterranean). 2020 , 165, 103369	5
651	Microplastics and sorbed contaminants - Trophic exposure in fish sensitive early life stages. 2020 , 161, 105126	9
650	Metal sorption onto nanoscale plastic debris and trojan horse effects in <i>Daphnia magna</i> : Role of dissolved organic matter. 2020 , 186, 116410	17
649	A metrologically traceable protocol for the quantification of trace metals in different types of microplastic. 2020 , 15, e0236120	10
648	Sampling and Quality Assurance and Quality Control: A Guide for Scientists Investigating the Occurrence of Microplastics Across Matrices. 2020 , 74, 1099-1125	75
647	Microplastic fluxes in a large and a small Mediterranean river catchments: The T \bar{c} and the Rh \bar{c} le, Northwestern Mediterranean Sea. 2020 , 716, 136984	35
646	The Bay of Biscay as a trapping zone for exogenous plastics of different sizes. 2020 , 163, 101929	7
645	Microplastics in Commercially Important Small Pelagic Fish Species From South Africa. 2020 , 7,	10
644	Transport of micro- and nanoplastics in the environment: Trojan-Horse effect for organic contaminants. 2020 , 1-37	9
643	Spatial and temporal analysis of meso- and microplastic pollution in the Ligurian and Tyrrhenian Seas. 2020 , 159, 111515	8
642	Evidence of microplastics from benthic jellyfish (<i>Cassiopea xamachana</i>) in Florida estuaries. 2020 , 159, 111521	18
641	Bibliometric Profile of Global Microplastics Research from 2004 to 2019. 2020 , 17,	19
640	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>). 2020 , 237, 108849	3
639	Microplastics in Biota. 2020 , 1-23	
638	Microplastic selects for convergent microbiomes from distinct riverine sources. 2020 , 39, 281-291	9
637	Ocean plastic crisis-Mental models of plastic pollution from remote Indonesian coastal communities. 2020 , 15, e0236149	26

636	Coupling Gastro-Intestinal Tract Analysis With an Airborne Contamination Control Method to Estimate Litter Ingestion in Demersal Elasmobranchs. 2020 , 8,	5
635	The long-term legacy of plastic mass production. 2020 , 746, 141115	25
634	Persistent organic pollutants, metals, and the bacterial community composition associated with microplastics in Muskegon Lake (MI). 2020 , 46, 1444-1458	11
633	Investigation of Microplastics in Freshwater Mussels (<i>Lasmigona costata</i>) From the Grand River Watershed in Ontario, Canada. 2020 , 231, 1	11
632	Microplastic degradation by bacteria in aquatic ecosystem. 2020 , 431-467	13
631	An end to the controversy over the microscopic detection and effects of pristine microplastics in fish organs. <i>Scientific Reports</i> , 2020 , 10, 12434	4.9 34
630	Microplastic pollution as a grand challenge in marine research: A closer look at their adverse impacts on the immune and reproductive systems. 2020 , 204, 111109	37
629	Differential modulation of oxidative stress, antioxidant defense, histomorphology, ion-regulation and growth marker gene expression in goldfish (<i>Carassius auratus</i>) following exposure to different dose of virgin microplastics. 2020 , 238, 108862	12
628	A new threat: assessing the main interactions between marine fish and plastic debris from a scientometric perspective. 2020 , 30, 623-636	3
627	Analysis of Microplastics in Food Samples. 2020 , 1-16	2
626	Effects of microplastics and nanoplastics on marine environment and human health. 2020 , 27, 44743-44756	41
625	Marine Plastic Debris: A New Surface for Microbial Colonization. 2020 , 54, 11657-11672	99
624	Evaluation the impact of polystyrene micro and nanoplastics on the methane generation by anaerobic digestion. 2020 , 205, 111095	18
623	Warum eine Risikoabschätzung und Grenzwertsetzung für Mikrokunststoffe in der aquatischen Umwelt problematisch ist. 2020 , 72, 361-369	
622	Alleviated the Oxidative Damage in the Gills, Liver, and Kidney Organs of Nile Tilapia Intoxicated with Sodium Sulphate. 2020 , 10,	5
621	Smoke on the beach—on the use of economic vs behavioral policies to reduce environmental pollution by cigarette littering. 2020 , 1	3
620	β-Glucan improved the immunity, hepato-renal, and histopathology disorders induced by chlorpyrifos in Nile tilapia. 2020 , 18, 100549	7
619	The Marine Plastic Litter Issue: A Social-Economic Analysis. 2020 , 12, 8677	24

618	Iced block method: An efficient method for preparation of micro-sized expanded polystyrene foams. 2020 , 263, 114387	1
617	Effects of short-term exposure to environmentally-relevant concentrations of benzo(a)pyrene-sorbed polystyrene to White seabass (<i>Atractoscion nobilis</i>)?. 2020 , 263, 114617	5
616	Are anthropogenic fibres a real problem for red mullets (<i>Mullus barbatus</i>) from the NW Mediterranean?. 2020 , 733, 139336	7
615	Bidirectional transfer of halogenated flame retardants between the gastrointestinal tract and ingested plastics in urban-adapted ring-billed gulls. 2020 , 730, 138887	6
614	Microplastics in Mediterranean coastal area: toxicity and impact for the environment and human health. 2020 , 27, e00090	50
613	Microplastics aggravate the adverse effects of BDE-47 on physiological and defense performance in mussels. 2020 , 398, 122909	26
612	A review of microplastics pollution in the soil and terrestrial ecosystems: A global and Bangladesh perspective. 2020 , 733, 139296	67
611	Microplastic particle versus fiber generation during photo-transformation in simulated seawater. 2020 , 736, 139690	33
610	Eco-Corona vs Protein Corona: Effects of Humic Substances on Corona Formation and Nanoplastic Particle Toxicity in. 2020 , 54, 8001-8009	46
609	Bioplastic from Jackfruit Seeds and Rice. 2020 , 835, 012035	3
608	Effects of chronic exposure to microplastics of different polymer types on early life stages of sea trout <i>Salmo trutta</i> . 2020 , 740, 139922	18
607	Society Role in the Reduction of Plastic Pollution. 2020 , 1	6
606	An overview of recent advances in micro/nano beads and microfibers research: Critical assessment and promoting the less known. 2020 , 740, 139991	21
605	Interaction of Environmental Pollutants with Microplastics: A Critical Review of Sorption Factors, Bioaccumulation and Ecotoxicological Effects. 2020 , 8,	45
604	Chemical fingerprint of plastic litter in sediments and holothurians from Croatia: Assessment & relation to different environmental factors. 2020 , 153, 110994	12
603	Plastics occurrence in juveniles of <i>Engraulis encrasicolus</i> and <i>Sardina pilchardus</i> in the Southern Tyrrhenian Sea. 2020 , 718, 137457	27
602	First evaluation of neustonic microplastics in the Macaronesian region, NE Atlantic. 2020 , 153, 110999	26
601	Natural history matters: Plastics in estuarine fish and sediments at the mouth of an urban watershed. 2020 , 15, e0229777	14

600	Delineating and preventing plastic waste leakage in the marine and terrestrial environment. 2020 , 27, 12830-12837	10
599	Effects of Virgin Micro- and Nanoplastics on Fish: Trends, Meta-Analysis, and Perspectives. 2020 , 54, 4733-4745	81
598	Microplastics in Fish and Shellfish [A Threat to Seafood Safety?]. 2020 , 29, 417-425	28
597	The influence of polyethylene microplastics on pesticide residue and degradation in the aquatic environment. 2020 , 394, 122517	35
596	Ingestion and effects of virgin polyamide microplastics on Chironomus riparius adult larvae and adult zebrafish Danio rerio. 2020 , 259, 127456	19
595	Immunotoxicity and neurotoxicity of bisphenol A and microplastics alone or in combination to a bivalve species, Tegillarca granosa. 2020 , 265, 115115	41
594	Assessing microplastic uptake and impact on omnivorous juvenile white seabream Diplodus sargus (Linnaeus, 1758) under laboratory conditions. 2020 , 157, 111162	6
593	Incidence of microplastics in personal care products: An appreciable part of plastic pollution. 2020 , 742, 140218	43
592	Plastic Ingestion in Sardines (Sardinops sagax) From Frenchman Bay, Western Australia, Highlights a Problem in a Ubiquitous Fish. 2020 , 7,	8
591	Microplastics as Vectors of Chromium and Lead during Dynamic Simulation of the Human Gastrointestinal Tract. 2020 , 12, 4792	8
590	Risk assessment of added chemicals in plastics in the Danish marine environment. 2020 , 157, 111298	4
589	Improving the efficiency of post-digestion method in extracting microplastics from gastrointestinal tract and gills of fish. 2020 , 260, 127649	11
588	Characterization and distribution of microplastics and plastic debris along Silver Beach, Southern India. 2020 , 158, 111421	25
587	A critical review of harm associated with plastic ingestion on vertebrates. 2020 , 743, 140666	13
586	Impacts of plastic debris on biota and implications for human health: A South African perspective. 2020 , 116,	13
585	Feeding ecology and microplastic ingestion in Chelon richardsonii (Mugilidae) associated with surf diatom Anulus australis accumulations in a warm temperate South African surf zone. 2020 , 158, 111430	11
584	Combined toxicity of microplastics and cadmium on the zebrafish embryos (Danio rerio). 2020 , 743, 140638	31
583	Microplastics as a Vector for Exposure to Hydrophobic Organic Chemicals in Fish: A Comparison of Two Polymers and Silica Particles Spiked With Three Model Compounds. 2020 , 8,	9

582	Using Boops boops (osteichthyes) to assess microplastic ingestion in the Mediterranean Sea. 2020 , 158, 111397	22
581	Endophytic bacteria in xenobiotic degradation. 2020 , 125-156	7
580	Distribution, abundance and risks of microplastics in the environment. 2020 , 249, 126059	64
579	Microplastic ingestion by pelagic and demersal fish species from the Eastern Central Atlantic Ocean, off the Coast of Ghana. 2020 , 153, 110998	29
578	Nanoplastics Cause Neurobehavioral Impairments, Reproductive and Oxidative Damages, and Biomarker Responses in Zebrafish: Throwing up Alarms of Wide Spread Health Risk of Exposure. 2020 , 21,	77
577	Occurrence of plastics ingested by Atlantic cod (<i>Gadus morhua</i>) destined for human consumption (Fogo Island, Newfoundland and Labrador). 2020 , 153, 110993	10
576	Microplastic prevalence in two fish species in two U.S. reservoirs. 2020 , 5, 147-153	25
575	Study of plastic pollution and its potential sources on Gran Canaria Island beaches (Canary Islands, Spain). 2020 , 153, 110967	18
574	Plastic driven pollution in Pakistan: the first evidence of environmental exposure to microplastic in sediments and water of Rawal Lake. 2020 , 27, 15083-15092	37
573	Plastic pellets trigger feeding responses in sea anemones. 2020 , 222, 105447	9
572	Photocatalytic Conversion of Waste Plastics into C2 Fuels under Simulated Natural Environment Conditions. 2020 , 132, 15627-15631	7
571	Exposure to a microplastic mixture is altering the life traits and is causing deformities in the non-biting midge <i>Chironomus riparius</i> Meigen (1804). 2020 , 262, 114248	27
570	Effects of microplastics and mercury on manila clam <i>Ruditapes philippinarum</i> : Feeding rate, immunomodulation, histopathology and oxidative stress. 2020 , 262, 114247	43
569	Presence of microplastics in water, sediments and fish species in an urban coastal environment of Fiji, a Pacific small island developing state. 2020 , 153, 110991	60
568	Histological, enzymatic and chemical analyses of the potential effects of differently sized microplastic particles upon long-term ingestion in zebrafish (<i>Danio rerio</i>). 2020 , 153, 111022	29
567	Occurrence of microplastics in epipelagic and mesopelagic fishes from Tuticorin, Southeast coast of India. 2020 , 720, 137614	36
566	. 2020 , 8, 25249-25261	10
565	Microplastics in Freshwater Environments. 2020 , 325-353	0

564	Microplastics impair the feeding performance of a Mediterranean habitat-forming coral. 2020 , 155, 104887	34
563	Microplastics integrating the zooplanktonic fraction in a saline lake of Argentina: influence of water management. 2020 , 192, 117	14
562	Polyvinyl chloride microplastics induce growth inhibition and oxidative stress in <i>Cyprinus carpio</i> var. larvae. 2020 , 716, 136479	76
561	Microplastics enhance <i>Daphnia magna</i> sensitivity to the pyrethroid insecticide deltamethrin: Effects on life history traits. 2020 , 714, 136567	30
560	PET microplastics toxicity on marine key species is influenced by pH, particle size and food variations. 2020 , 715, 136947	43
559	Adverse effects of plastic ingestion on the Mediterranean small-spotted catshark (<i>Scyliorhinus canicula</i>). 2020 , 155, 104876	23
558	Enhanced adsorption of tetrabromobisphenol a (TBBPA) on cosmetic-derived plastic microbeads and combined effects on zebrafish. 2020 , 248, 126067	21
557	Polyethylene microplastics increase the toxicity of chlorpyrifos to the marine copepod <i>Acartia tonsa</i> . 2020 , 260, 114059	52
556	Microplastic abundance, distribution and composition in the mid-west Pacific Ocean. 2020 , 264, 114125	47
555	Plastic pollution on eight beaches of Tenerife (Canary Islands, Spain): An annual study. 2020 , 151, 110847	29
554	Quantifying changes in litter loads in urban stormwater run-off from Cape Town, South Africa, over the last two decades. 2020 , 724, 138310	18
553	Ingested plastic and trace element concentrations in Short-tailed Shearwaters (<i>Ardenna tenuirostris</i>). 2020 , 155, 111143	8
552	Occurrence and Ecotoxicological Effects of Microplastics on Aquatic and Terrestrial Ecosystems. 2020 , 223-243	3
551	Sources, transport, measurement and impact of nano and microplastics in urban watersheds. 2020 , 19, 275-336	25
550	Dietary exposure to polyvinyl chloride microparticles induced oxidative stress and hepatic damage in <i>Clarias gariepinus</i> (Burchell, 1822). 2020 , 27, 21159-21173	27
549	Spatial variability and influence of biological parameters on microplastic ingestion by <i>Boops boops</i> (L.) along the Italian coasts (Western Mediterranean Sea). 2020 , 263, 114429	20
548	Dynamic linkages between international oil price, plastic stock index and recycle plastic markets in China. 2020 , 68, 167-179	9
547	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. 2020 , 397, 122794	39

546	Microplastics in specific tissues of wild sea urchins along the coastal areas of northern China. 2020 , 728, 138660	28
545	First evidence of microplastics bioaccumulation by marine organisms in the Port Blair Bay, Andaman Islands. 2020 , 155, 111163	39
544	Plastic Debris in the Marine Environment: History and Future Challenges. 2020 , 4, 1900081	45
543	Individual and combined toxicogenetic effects of microplastics and heavy metals (Cd, Pb, and Zn) perturb gut microbiota homeostasis and gonadal development in marine medaka (<i>Oryzias melastigma</i>). 2020 , 397, 122795	74
542	The prevalence and source of plastic incorporated into nests of five seabird species on a small offshore island. 2020 , 154, 111076	17
541	Outlook and overview of microplastics pollution in ecological environment. 2020 , 143, 02027	0
540	Polystyrene microplastics do not affect juvenile brown trout (<i>Salmo trutta f. fario</i>) or modulate effects of the pesticide methiocarb. 2020 , 32,	12
539	Research progress in sources, analytical methods, eco-environmental effects, and control measures of microplastics. 2020 , 254, 126790	78
538	From the coast to the shelf: Microplastics in R�as Baixas and Mi� River shelf sediments (NW Spain). 2021 , 162, 111814	12
537	Food or just a free ride? A meta-analysis reveals the global diversity of the Plastisphere. 2021 , 15, 789-806	37
536	Current state of marine plastic pollution and its technology for more eminent evidence: A review. 2021 , 278, 123537	17
535	Microplastics do not increase bioaccumulation of petroleum hydrocarbons in Arctic zooplankton but trigger feeding suppression under co-exposure conditions. 2021 , 751, 141264	8
534	Projecting the sorption capacity of heavy metal ions onto microplastics in global aquatic environments using artificial neural networks. 2021 , 402, 123709	31
533	Microplastic content of Kutum fish, <i>Rutilus frisii kutum</i> in the southern Caspian Sea. 2021 , 752, 141542	15
532	Hazardous microplastic characteristics and its role as a vector of heavy metal in groundwater and surface water of coastal south India. 2021 , 402, 123786	74
531	Feeding behavior responses of a juvenile hybrid grouper, <i>Epinephelus fuscoguttatus</i> ? \square <i>E. lanceolatus</i> ?, to microplastics. 2021 , 268, 115648	3
530	Microplastics and their associated organic pollutants from the coastal waters of the central Adriatic Sea (Italy): Investigation of adipogenic effects in vitro. 2021 , 263, 128090	15
529	Multidecadal records of microplastic accumulation in the coastal sediments of the East China Sea. 2021 , 270, 128658	16

528	Microplastic pollution in surface water and sediments in the urban section of the Vistula River (Poland). 2021 , 762, 143111	24
527	Microplastics in freshwater ecosystems: a recent review of occurrence, analysis, potential impacts, and research needs. 2021 , 28, 1341-1356	20
526	Isotope ratio mass spectrometry and spectroscopic techniques for microplastics characterization. 2021 , 224, 121743	10
525	Uptake, accumulation and associated cellular alterations of environmental samples of microplastics in the seaworm <i>Hediste diversicolor</i> . 2021 , 406, 124287	14
524	Synergistic effect of microplastic fragments and benzophenone-3 additives on lethal and sublethal <i>Daphnia magna</i> toxicity. 2021 , 402, 123845	30
523	Microplastics and associated contaminants in the aquatic environment: A review on their ecotoxicological effects, trophic transfer, and potential impacts to human health. 2021 , 405, 124187	64
522	Analysis of microplastics of a broad size range in commercially important mussels by combining FTIR and Raman spectroscopy approaches. 2021 , 269, 116147	32
521	A systematic review of the literature on plastic pollution in the Laurentian Great Lakes and its effects on freshwater biota. 2021 , 47, 120-133	10
520	Amount, distribution and composition of large microplastics in typical agricultural soils in Northern Germany. 2021 , 758, 143615	30
519	First evaluation of microplastics in two commercial fish species from the lagoons of Bizerte and Ghar El Melh (Northern Tunisia). 2021 , 41, 101581	5
518	Spatial Distribution of Microplastics in Surficial Benthic Sediment of Lake Michigan and Lake Erie. 2021 , 55, 373-384	27
517	Microplastics as vectors of the antibiotics azithromycin and clarithromycin: Effects towards freshwater microalgae. 2021 , 268, 128824	24
516	PET nanoplastics interactions with water contaminants and their impact on human cells. 2021 , 271, 116262	8
515	Global challenges in microplastics: From fundamental understanding to advanced degradations toward sustainable strategies. 2021 , 267, 129275	12
514	Relative importance of aqueous leachate versus particle ingestion as uptake routes for microplastic additives (hexabromocyclododecane) to mussels. 2021 , 270, 116272	8
513	Organizational issues for disseminating recycling technologies of carbon fiber-reinforced plastics in the Japanese industrial landscape. 2021 , 23, 505-515	6
512	Chemicals sorbed to environmental microplastics are toxic to early life stages of aquatic organisms. 2021 , 208, 111665	20
511	Environmental source, fate, and toxicity of microplastics. 2021 , 407, 124357	107

510	Gathering at the top? Environmental controls of microplastic uptake and biomagnification in freshwater food webs. 2021 , 268, 115750	22
509	Environmental pollution and their socioeconomic impacts. 2021 , 321-354	17
508	Extraction of microplastics from commonly used sea salts in India and their toxicological evaluation. 2021 , 263, 128181	25
507	Biodegradability of poly(3-hydroxyalkanoate) and poly(ε-caprolactone) via biological carbon cycles in marine environments. 2021 , 53, 47-66	37
506	A community-based approach for site-specific policies and solutions on marine litter: the example of Paphos, Cyprus. 2021 , 41, 33-44	1
505	Pollutants Bioavailability and Toxicological Risk from Microplastics. 2021 , 1-40	0
504	FTIR and SEM Study on the Degradation of Microplastics. 2021 , 539-546	
503	The effect of microplastics on the growth of <i>Paralichthys Olivaceus</i> . 2021 , 251, 02040	
502	Wastewater treatment alters microbial colonization of microplastics. 2021 , 16, e0244443	24
501	From the Viewpoint of Marine Environmental Problems: Marine Plastic Pollution. 2021 , 26, 1_48-1_50	
500	Microplastics in fish and fishmeal: an emerging environmental challenge?. <i>Scientific Reports</i> , 2021 , 11, 2045	4-9 46
499	Recent advances in photocatalytic degradation of plastics and plastic-derived chemicals. 2021 , 9, 13402-13441	31
498	Investigating microplastics and potentially toxic elements contamination in canned Tuna, Salmon, and Sardine fishes from Taif markets, KSA. 2021 , 16, 827-837	2
497	Occurrence, Fate, and Removal of Microplastics in Sewage Treatment Plants (STPs). 2021 , 113-135	
496	Effects of Microplastics in the Cryosphere. 2021 , 1-46	0
495	Barriers and Enablers to Buying Biodegradable and Compostable Plastic Packaging. 2021 , 13, 1463	10
494	Plastics Versus Turtles: An Overview of the Uruguayan Case. 2021 , 83-92	
493	Fluorimetric high-throughput screening method for polyester hydrolase activity using polyethylene terephthalate nanoparticles. 2021 , 648, 253-270	6

492	Microplastics in Water: Pollution Status, Ecological Risks and Future Prospects. 2021 , 11, 825-931	
491	Effects of Microplastics in the Cryosphere. 2021 , 1-46	
490	Emerging Contaminants in Wastewater: Sources of Contamination, Toxicity, and Removal Approaches. 2021 , 103-132	2
489	Microplastics in Freshwater Environments and Implications for Aquatic Ecosystems: A Mini Review and Future Directions in Ghana. 2021 , 09, 58-74	0
488	Meso- and microplastics monitoring in harbour environments: A case study for the Port of Durban, South Africa. 2021 , 163, 111948	15
487	Plastic ingestion by marine fish is widespread and increasing. 2021 , 27, 2188-2199	48
486	Microplastics in the Marine Environment: Sources, Fates, Impacts and Microbial Degradation. 2021 , 9,	17
485	A Review on Production, Characterization and Application of Bacterial Cellulose and Its Biocomposites. 2021 , 29, 2738-2755	5
484	Assessment of biological effects and harm to Japanese medaka due to carbonized carbon fibers generated by a pyrolysis carbon fiber recycling process. 2021 , 23, 1071-1080	
483	Experimental evidence of physiological and behavioral effects of microplastic ingestion in <i>Sparus aurata</i> . 2021 , 231, 105737	19
482	Progress and future perspectives of microplastic research in Nigeria. 1-11	1
481	Trophic transfer of microplastics enhances tissue accumulation of chemical additives in fish.	0
480	Microplastics and the functional traits of fishes: A global meta-analysis. 2021 , 27, 2645-2655	18
479	Tire wear particle and leachate exposures from a pristine and road-worn tire to <i>Hyalella azteca</i> : Comparison of chemical content and biological effects. 2021 , 232, 105769	17
478	A Comparative Assessment of the Chronic Effects of Micro- and Nano-Plastics on the Physiology of the Mediterranean Mussel. 2021 , 11,	13
477	Assessing the Levels of Awareness among European Citizens about the Direct and Indirect Impacts of Plastics on Human Health. 2021 , 18,	7
476	Microplastics in Surface Waters and Sediments from Guangdong Coastal Areas, South China. 2021 , 13, 2691	9
475	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. 2021 , 273, 116449	8

474	A novel approach based on multiple fish species and water column compartments in assessing vertical microlitter distribution and composition. 2021 , 272, 116419	6
473	Microplastic contamination in salt pans and commercial salts - A baseline study on the salt pans of Marakkanam and Parangipettai, Tamil Nadu, India. 2021 , 165, 112101	11
472	Development of Novel Classification Algorithms for Detection of Floating Plastic Debris in Coastal Waterbodies Using Multispectral Sentinel-2 Remote Sensing Imagery. 2021 , 13, 1598	6
471	Plastic ingestion by fish in the coastal waters of the Hengchun Peninsula, Taiwan: Associated with human activity but no evidence of biomagnification. 2021 , 213, 112056	4
470	Impacts to Larval Fathead Minnows Vary between Preconsumer and Environmental Microplastics. 2021 ,	3
469	Source, distribution and emerging threat of micro- and nanoplastics to marine organism and human health: Socio-economic impact and management strategies. 2021 , 195, 110857	31
468	Microplastics impair growth in two atlantic scleractinian coral species, <i>Pseudodiploria clivosa</i> and <i>Acropora cervicornis</i> . 2021 , 275, 116649	12
467	Impacts of Plastic-Made Packaging on Marine Key Species: Effects Following Water Acidification and Ecological Implications. 2021 , 9, 432	2
466	Evidences of microplastics in diverse fish species off the Western Coast of Pacific Ocean, Mexico. 2021 , 204, 105544	10
465	Deep seafloor plastics as the source and sink of organic pollutants in the northern South China Sea. 2021 , 765, 144228	8
464	Research Progress in Transfer, Accumulation and Effects of Microplastics in the Oceans. 2021 , 9, 433	3
463	Constraining the atmospheric limb of the plastic cycle. 2021 , 118,	62
462	Not as Bad as It Seems? A Literature Review on the Case of Microplastic Uptake in Fish. 2021 , 8,	5
461	Plastic additives: challenges in ecotox hazard assessment. 2021 , 9, e11300	14
460	Characterization and Physical Properties of Mycelium Films Obtained from Wild Fungi: Natural Materials for Potential Biotechnological Applications. 1	2
459	An ecotoxicological approach to microplastics on terrestrial and aquatic organisms: A systematic review in assessment, monitoring and biological impact. 2021 , 84, 103615	15
458	Microplastics contamination in commercial marine fish from the Bay of Bengal. 2021 , 44, 101728	9
457	Spatial and seasonal variations in biofilm formation on microplastics in coastal waters. 2021 , 770, 145303	24

456	Combined effects of polyethylene and organic contaminant on zebrafish (<i>Danio rerio</i>): Accumulation of 9-Nitroanthracene, biomarkers and intestinal microbiota. 2021 , 277, 116767	12
455	Microplastics in different tissues of wild crabs at three important fishing grounds in China. 2021 , 271, 129479	19
454	Elevated CYP1A expression detected in pinfish collected from a coastal lagoon in the southern Texas Gulf Coast: indicative of exposure to microplastics or pollutants?. 2021 , 28, 32066-32073	1
453	Microplastics (MPs) Act as Sources and Vector of Pollutants-Impact Hazards and Preventive Measures. 2021 , 107, 722-729	3
452	Long-term exposure to virgin and seawater exposed microplastic enriched-diet causes liver oxidative stress and inflammation in gilthead seabream <i>Sparus aurata</i> , Linnaeus 1758. 2021 , 767, 144976	18
451	Characteristics and Seasonal Distribution of Microplastics in the Surface Waters of Southwest Coast of the Caspian Sea (Guilan Province, Iran). 2021 , 107, 671-676	2
450	Sources, Fate, and Impact of Microplastics in Aquatic Environment.	
449	Microplastics in seafood as an emerging threat to marine environment: A case study in Goa, west coast of India. 2021 , 270, 129359	20
448	The Dual Role of Microplastics in Marine Environment: Sink and Vectors of Pollutants. 2021 , 9, 642	4
447	Incidence of Watershed Land Use on the Consumption of Meso and Microplastics by Fish Communities in Uruguayan Lowland Streams. 2021 , 13, 1575	1
446	Microplastic particles in the aquatic environment: A systematic review. 2021 , 775, 145793	26
445	In Situ Effects of a Microplastic Mixture on the Community Structure of Benthic Macroinvertebrates in a Freshwater Pond. 2021 ,	3
444	The potential of microplastics as adsorbents of sodium dodecyl benzene sulfonate and chromium in an aqueous environment. 2021 , 197, 111057	3
443	Current Progress on Marine Microplastics Pollution Research: A Review on Pollution Occurrence, Detection, and Environmental Effects. 2021 , 13, 1713	4
442	Micro and Nano Plastics Distribution in Fish as Model Organisms: Histopathology, Blood Response and Bioaccumulation in Different Organs. 2021 , 11, 5768	11
441	Environmental dimensions of the protein corona. 2021 , 16, 617-629	40
440	Microplastics in some fish species and their environs in Eastern Visayas, Philippines. 2021 , 167, 112312	4
439	Microplastic contamination in tropical fishes: An assessment of different feeding habits. 2021 , 45, 101857	6

438	Evidence of microplastic ingestion by cultured European sea bass (<i>Dicentrarchus labrax</i>). 2021 , 168, 112450	14
437	Ecotoxicological and physiological risks of microplastics on fish and their possible mitigation measures. 2021 , 779, 146433	23
436	Nano and microplastic interactions with freshwater biota - Current knowledge, challenges and future solutions. 2021 , 152, 106504	26
435	Toxicity in vitro reveals potential impacts of microplastics and nanoplastics on human health: A review. 1-33	2
434	Historic fish samples from the Southeast USA lack microplastics. 2021 , 776, 145923	3
433	Multi-Scenario Model of Plastic Waste Accumulation Potential in Indonesia Using Integrated Remote Sensing, Statistic and Socio-Demographic Data. 2021 , 10, 481	11
432	Review on the distribution of microplastics in the oceans and its impacts: Need for modeling-based approach to investigate the transport and risk of microplastic pollution. 2022 , 27, 210243-0	0
431	Microplastic contamination in Great Lakes fish. 2021 ,	3
430	PET tracing of biodistribution for orally administered Cu-labeled polystyrene in mice. 2021 ,	2
429	What's in the soup? Visual characterization and polymer analysis of microplastics from an Indonesian manta ray feeding ground. 2021 , 168, 112427	2
428	Combined polystyrene microplastics and chlorpyrifos decrease levels of nutritional parameters in muscle of rainbow trout (<i>Oncorhynchus mykiss</i>). 2021 , 28, 64908-64920	5
427	Heterotrophic Dinoflagellate Growth and Grazing Rates Reduced by Microplastic Ingestion. 2021 , 8,	3
426	A review of biodegradable plastics to biodegradable microplastics: Another ecological threat to soil environments?. 2021 , 312, 127816	43
425	Bioremediation of polyvinyl chloride (PVC) films by marine bacteria. 2021 , 169, 112566	8
424	Chronic feeding exposure to virgin and spiked microplastics disrupts essential biological functions in teleost fish. 2021 , 415, 125626	10
423	Microplastics in different tissues of some commercially important fish species from Anzali Wetland in the Southwest Caspian Sea, Northern Iran. 2021 , 169, 112479	11
422	Analysis of volatiles organic compounds in Venice lagoon water reveals COVID 19 lockdown impact on microplastics and mass tourism related pollutants. 2021 , 783, 146951	12
421	Starch-based biodegradable packaging materials: A review of their preparation, characterization and diverse applications in the food industry. 2021 , 114, 70-82	34

420	Response of the yellow mealworm (<i>Tenebrio molitor</i>) gut microbiome to diet shifts during polystyrene and polyethylene biodegradation. 2021 , 416, 126222	18
419	Running on empty? Freshwater feeding by spawning anadromous alewife <i>Alosa pseudoharengus</i> . 2021 , 99, 1415-1429	0
418	Feeding strategy of pelagic fishes caught in aggregated schools and vulnerability to ingesting anthropogenic items in the western equatorial Atlantic Ocean. 2021 , 282, 117021	2
417	Presence of airborne microplastics in human lung tissue. 2021 , 416, 126124	51
416	Nano/micro plastics [Challenges on quantification and remediation: A review. 2021 , 42, 102128	7
415	Microplastics induced histopathological lesions in some tissues of tilapia (<i>Oreochromis niloticus</i>) early juveniles. 2021 , 71, 101512	7
414	Accelerated Weathering Increases the Release of Toxic Leachates from Microplastic Particles as Demonstrated through Altered Toxicity to the Green Algae. 2021 , 9,	6
413	Do Freshwater Fish Eat Microplastics? A Review with A Focus on Effects on Fish Health and Predictive Traits of MPs Ingestion. 2021 , 13, 2214	5
412	Microplastics in the human digestive environment: A focus on the potential and challenges facing in vitro gut model development. 2021 , 415, 125632	15
411	Microplastics in aquatic environments: A review on occurrence, distribution, toxic effects, and implications for human health. 2021 , 780, 146551	32
410	Microplastic in fish [A global synthesis. 2021 , 31, 753	12
409	Terrestrial Biota as Bioindicators for Microplastics and Potentially Toxic Elements. 2021 , 11, 1152	4
408	Microplastics-Induced Eryptosis and Poikilocytosis in Early-Juvenile Nile Tilapia (<i>Oreochromis niloticus</i>). 2021 , 12, 742922	1
407	Biofilm growth on buoyant microplastics leads to changes in settling rates: Implications for microplastic retention in the Great Lakes. 2021 , 170, 112573	10
406	Big eyes can't see microplastics: Feeding selectivity and eco-morphological adaptations in oral cavity affect microplastic uptake in mud-dwelling amphibious mudskipper fish. 2021 , 786, 147445	3
405	Conceptions of university students on microplastics in Germany. 2021 , 16, e0257734	0
404	Plastic pollution in water ecosystems: A bibliometric analysis from 2000 to 2020. 2021 , 313, 127946	14
403	Microplastics levels, size, morphology and composition in marine water, sediments and sand beaches. Case study of Tarragona coast (western Mediterranean). 2021 , 786, 147453	11

402	Assessing the Impact of Chrysene-Sorbed Polystyrene Microplastics on Different Life Stages of the Mediterranean Mussel <i>Mytilus galloprovincialis</i> . 2021 , 11, 8924	1
401	Microplastics as a vehicle of exposure to chemical contamination in freshwater systems: Current research status and way forward. 2021 , 417, 125980	7
400	Ingestion of microplastics and mesoplastics by <i>Trachurus declivis</i> (Jenyns, 1841) retrieved from the food of the Australasian gannet <i>Morus serrator</i> : First documented report from New Zealand. 2021 , 170, 112652	3
399	Ecological Traits Influencing Anthropogenic Debris Ingestion by Herbivorous Reef Fishes. 2021 , 8,	0
398	Evaluating scenarios for carbon reduction using different tableware in China. 2021 , 791, 148279	3
397	Microbial biofilm composition and polymer degradation of compostable and non-compostable plastics immersed in the marine environment. 2021 , 419, 126526	8
396	First insight into plastics ingestion by fish in the Gulf of California, Mexico. 2021 , 171, 112705	2
395	Combined toxicity of micro/nano scale polystyrene plastics and ciprofloxacin to <i>Corbicula fluminea</i> in freshwater sediments. 2021 , 789, 147887	8
394	Microplastic intake and enzymatic responses in <i>Mytilus galloprovincialis</i> reared at the vicinities of an aquaculture station. 2021 , 280, 130575	5
393	Ingestion of microplastics and its potential for causing structural alterations and oxidative stress in Indian green mussel <i>Perna viridis</i> - A multiple biomarker approach. 2021 , 283, 130979	3
392	Effect of polyethylene microplastics on oxidative stress and histopathology damages in <i>Litopenaeus vannamei</i> . 2021 , 288, 117800	8
391	Exposure to metals premixed with microplastics increases toxicity through bioconcentration and impairs antioxidant defense and cholinergic response in a marine mysid. 2021 , 249, 109142	3
390	Do foodborne polyethylene microparticles affect the health of rainbow trout (<i>Oncorhynchus mykiss</i>)?. 2021 , 793, 148490	7
389	Validation of an imaging FTIR spectroscopic method for analyzing microplastics ingestion by Finnish lake fish (<i>Perca fluviatilis</i> and <i>Coregonus albula</i>). 2021 , 288, 117780	7
388	Microplastics pollution: A comprehensive review on the sources, fates, effects, and potential remediation. 2021 , 16, 100530	2
387	Microplastic distribution, abundance, and composition in the sediments, water, and fishes of the Red and Mediterranean seas, Egypt. 2021 , 173, 112966	3
386	Science-society-policy interface for microplastic and nanoplastic: Environmental and biomedical aspects. 2021 , 290, 117985	0
385	Effect of virgin low density polyethylene microplastic ingestion on intestinal histopathology and microbiota of gilthead sea bream. 2021 , 545, 737245	8

384	Occurrence, distribution and characteristics of microplastics in gastrointestinal tract and gills of commercial marine fish from Malaysia. 2021 , 799, 149457	6
383	Microplastics and trace metals in fish species of the Gulf of Mannar (Indian Ocean) and evaluation of human health. 2021 , 291, 118089	6
382	Effects of ingestion of polyethylene microplastics on survival rate, opercular respiration rate and swimming performance of African catfish (<i>Clarias gariepinus</i>). 2022 , 423, 127237	7
381	A comparative review of microplastics in lake systems from different countries and regions. 2022 , 286, 131806	15
380	Microplastics in freshwater sediments: Analytical methods, temporal trends, and risk of associated organophosphate esters as exemplar plastics additives. 2022 , 203, 111830	7
379	Effects of secondary polyethylene microplastic exposure on crucian (<i>Carassius carassius</i>) growth, liver damage, and gut microbiome composition. 2022 , 802, 149736	4
378	Impact of polypropylene microplastics and chemical pollutants on European sea bass (<i>Dicentrarchus labrax</i>) gut microbiota and health. 2022 , 805, 150402	5
377	The effects of exposure to microplastics on grass carp (<i>Ctenopharyngodon idella</i>) at the physiological, biochemical, and transcriptomic levels. 2022 , 286, 131831	3
376	Insights into the interaction of microplastic with silver nanoparticles in natural surface water. 2022 , 805, 150315	1
375	Membrane bioreactor (MBR) as an advanced wastewater treatment technology for removal of synthetic microplastics. 2022 , 45-60	2
374	Ecotoxicological effects of microplastics and associated pollutants. 2021 , 189-227	
373	Factors influencing the vertical distribution of microplastics in the beach sediments around the Ras Rakan Island, Qatar. 2021 , 28, 34259-34268	8
372	Marine microplastics as vectors of major ocean pollutants and its hazards to the marine ecosystem and humans. 2021 , 8,	58
371	Characterization and Assessment of Micro and Macroscopic Litter in Sardinian Beaches (Western Mediterranean Sea). 2021 , 232, 1	2
370	The plastic cycle—a watershed-scale model of plastic pools and fluxes. 2021 , 19, 176-183	20
369	Recycling of Marine Plastic Debris. 2021 , 121-141	
368	Photocatalytic Conversion of Waste Plastics into C Fuels under Simulated Natural Environment Conditions. 2020 , 59, 15497-15501	67
367	The Diverse World of Fishes. 2020 , 43-72	2

366	Megaplastics to Nanoplastics: Emerging Environmental Pollutants and Their Environmental Impacts. 2019 , 205-235	2
365	Microplastics Lead to Hyperactive Swimming Behaviour in Adult Zebrafish. 2020 , 224, 105521	36
364	Plastic ingestion lead to reduced body condition and modified diet patterns in the rocky shore crab <i>Pachygrapsus transversus</i> (Gibbes, 1850) (Brachyura: Grapsidae). 2020 , 156, 111249	7
363	Microplastics and other anthropogenic particles in the surface waters of the Chesapeake Bay. 2020 , 156, 111257	19
362	First report of microplastic ingestion by the alien fish <i>Pirapitinga</i> (<i>Piaractus brachypomus</i>) in the Ramsar site Vembanad Lake, south India. 2020 , 160, 111637	14
361	Effects of the UV filter, oxybenzone, adsorbed to microplastics in the clam <i>Scrobicularia plana</i> . 2020 , 733, 139102	17
360	A review of the influences of microplastics on toxicity and transgenerational effects of pharmaceutical and personal care products in aquatic environment. 2020 , 732, 139222	57
359	Toxic effects of leachates from plastic pearl-farming gear on embryo-larval development in the pearl oyster <i>Pinctada margaritifera</i> . 2020 , 179, 115890	28
358	Plastic waste as a global challenge: are biodegradable plastics the answer to the plastic waste problem?. 2019 , 165, 129-137	69
357	Anthropogenic marine debris and its dynamics across peri-urban and urban mangroves on Penang Island, Malaysia.	2
356	High-accuracy identification of micro-plastics by holographic microscopy enabled support vector machine. 2019 ,	2
355	The effects of microplastics on marine ecosystem and future research directions. 2019 , 37, 625-639	2
354	First record of microplastics in two freshwater fish species (<i>Iheringthys labrosus</i> and <i>Astyanax lacustris</i>) from the middle section of the Uruguay River, Brazil. 32,	3
353	GENOTOXIC EVALUATION OF POLYSTYRENE MICROPLASTIC. 1-1	4
352	Microplastics Pollution in the Seto Inland Sea and Sea of Japan Surrounded Yamaguchi Prefecture Areas, Japan: Abundance, Characterization and Distribution, and Potential Occurrences. 2020 , 18, 175-194	3
351	Feasting on microplastics: ingestion by and effects on marine organisms. 2018 , 27, 93-106	58
350	Understanding individual and population-level effects of plastic pollution on marine megafauna. 2020 , 43, 234-252	25
349	Distribution Patterns of Microplastics in Seawater Surface at a Portuguese Estuary and Marine Park. 2020 , 8,	9

348	Ecotoxicological Assessment of Microplastics in Freshwater Sources A Review. 2021, 13, 56	21
347	Improving microplastic research. 2019, 6, 326-340	16
346	The vertical distribution of buoyant plastics at sea.	17
345	Comparative role of microplastics and microalgae as vectors for chlorpyrifos bioaccumulation and related physiological and immune effects in mussels. 2021, 807, 150983	2
344	A Bird's Eye View on Sustainable Management Solutions for Non-degradable Plastic Wastes. 2022, 503-534	1
343	Marine Microplastics and Seafood: Implications for Food Security. 2022, 131-153	
342	Microplastic pollution of commercial fishes from coastal and offshore waters, Japan.	
341	Searching Nanoplastics: From Sampling to Sample Processing. 2021, 13,	2
340	Dietary Exposure to Additives and Sorbed Contaminants From Ingested Microplastic Particles Through the Consumption of Fisheries and Aquaculture Products. 2022, 261-310	
339	Ecotoxicological Impacts of Micro- and Nanoplastics in Terrestrial and Aquatic Environments. 2022, 199-260	0
338	Challenges and opportunities in sustainable management of microplastics and nanoplastics in the environment. 2021, 207, 112179	12
337	Microplastics in lakes and rivers: an issue of emerging significance to limnology.	1
336	Microplastics [Pollutants] Interactions, Mechanisms, and Potential Toxicity. 2022, 551-582	
335	Weight of Evidence for the Microplastic Vector Effect in the Context of Chemical Risk Assessment. 2022, 155-197	3
334	Polystyrene microplastics disturb maternal-fetal immune balance and cause reproductive toxicity in pregnant mice. 2021, 106, 42-50	8
333	Low plastic ingestion rate in Atlantic Cod (<i>Gadus morhua</i>) from Newfoundland destined for human consumption collected through citizen science methods.	
332	Materials from Renewable Sources as Thermal Insulation for Nearly Zero Energy Buildings (nZEB). 2018, 159-167	1
331	Low incidence of plastic ingestion among three fish species significant for human consumption on the island of Newfoundland, Canada.	

- 330 Microplastics Pollution: Scientists On The Road To Consensus. **2018**,
- 329 A Look at the Status of Microplastic Pollution Trends and Possible Solution Frameworks. **2018**, 29, 261-269 2
- 328 Microplastic-mediated transport of PCBs? A depuration study with *Daphnia magna*.
- 327 Environmental Aspects. 51-78
- 326 Microplastics as Contaminant in FreshWater Ecosystem: A Modern Environmental Issue. **2019**, 355-377 1
- 325 Good Health and Well-Being. **2019**, 1-12
- 324 Probing micro-plastic items with coherent light enables their identification through digital holography. **2019**, 0
- 323 Hazardous Chemicals and Air, Water, and Soil Pollution and Contamination. **2020**, 255-266 1
- 322 Emerging Pollutants, Everlasting Concerns: Microplastics ad Pharmaceuticals. **2019**, 77-92
- 321 Mikroplastiklerin (MP) Sucul Organizmalar Üzerindeki Risk Profillerinin Değerlendirilmesi. 125-134
- 320 Microplastics Occurrence in Waters off the Northwest Coast of Peninsular Malaysia: A Spatial Difference. **2020**, 16, 50-60
- 319 Warning on nine Pollutants and their effects on avian communities. **2021**, e01898 0
- 318 Removal of microplastics from wastewater: available techniques and way forward.. **2021**, 84, 3689-3704 4
- 317 Minimal meso-plastics detected in Australian coastal reef fish. **2021**, 173, 113074 1
- 316 Occurrence of Microplastics in the Gastrointestinal Tracts (GITs) of the Common Dolphinfish, *Coryphaena Hippurus*, from the Western Mediterranean Sea. **2020**, 240-244
- 315 Effects of plastics and microplastics on aquatic organisms and human health. **2020**, 37, 437-443 0
- 314 Microplastics as a vehicle of heavy metals in aquatic environments: A review of adsorption factors, mechanisms, and biological effects. **2022**, 302, 113995 14
- 313 Microplastics in agroecosystems-impacts on ecosystem functions and food chain. **2022**, 177, 105961 13

312 Persistent Organic Pollutants in Seafood Consumed as Sushi.

311 Sorption of Potentially Toxic Elements to Microplastics. **2020**, 1-16 1

310 Plastics and Microplastics: Impacts in the Marine Environment. **2020**, 49-72 5

309 Down by the River (Micro-) Plastic Pollution of Running Freshwaters with Special Emphasis on the Austrian Danube. **2020**, 141-185 4

308 Marine Plastic Debris. **2020**, 94-121 0

307 Interaction of Microplastics with Antibiotics in Aquatic Environment: Distribution, Adsorption, and Toxicity. **2021**, 55, 15579-15595 10

306 Microplastics in the bogue, Boops boops: A snapshot of the past from the southern Tyrrhenian Sea. **2021**, 127669 1

305 A flexible risk assessment framework for marine plastic pollution that synthesizes waste management and ecological impact data. **2021**, 137, 104833 1

304 Sources and Impact of Microplastic Pollution in Indian Aquatic Ecosystem: A Review. **2020**, Special Issue, 2

303 Microbial Degradation of Plastics and Its Biotechnological Advancement. **2021**, 1-30 1

302 Methodical approaches to assessment of the capability of biochemical decomposition of polymeric materials and their wastes. **2020**, 53, 80-87

301  **2020**, 53, 88-95

300 Microplastic Detection and Analysis in River Yamuna, Delhi. **2021**, 233-240 0

299 Role of Structural Morphology of Commodity Polymers in Microplastics and Nanoplastics Formation: Fragmentation, Effects and Associated Toxicity in the Aquatic Environment. **2021**, 259, 123-169

298 Do microplastics mediate the effects of chemicals on aquatic organisms?. **2021**, 242, 106037 2

297 Contaminant concentrations and risks associated with the Pacific oyster in the highly urbanized San Diego Bay. **2021**, 174, 113132 2

296 The issue of microplastic in the oceans: Preferences and willingness to pay to tackle the issue in Australia. **2022**, 135, 104875 2

295 Plastic-free silica-titania-polyphenol heterojunction hybrids for efficient UV-to-blue light blocking and suppressed photochemical reactivity. **2021**, 431, 133790 1

294	Effects of different types of primary microplastics on early life stages of rainbow trout (<i>Oncorhynchus mykiss</i>). 2021 , 808, 151909	1
293	Detection of plastic-associated compounds in marine sponges. 2021 , 113141	0
292	Release behaviors of hexabromocyclododecanes from expanded polystyrene microplastics in seawater and digestive fluids. 2021 ,	2
291	Microplastic pollution on the soil and its consequences on the nitrogen cycle: a review. 2021 , 1	1
290	Impacts of Micro- and Nanoplastics on Photosynthesis Activities of Photoautotrophs: A Mini-Review.. 2021 , 12, 773226	0
289	Microplastics throughout a tap water supply network.	1
288	Microplastics altered contaminant behavior and toxicity in natural waters. 2021 , 425, 127908	5
287	Microplastics in Sediments of Southwest Caspian Sea: Characteristics, Distribution and Seasonal Variability. 1-15	0
286	Retention and transport behavior of microplastic particles in water-saturated porous media. 2021 , 808, 152154	3
285	Microplastic Pollution in Freshwater Systems: A Potential Environmental Threat. 2022 , 341-356	
284	Microplastics in Freshwater Riverine Systems: Brief Profile, Trophic-Level Transfer and Probable Remediation. 2022 , 103-126	
283	The Role of Microplastics in Bioaccumulation of Pollutants. 2021 , 1-30	
282	Microplastics in the Food Chain: Food Safety and Environmental Aspects. 2021 , 259, 1-49	1
281	Microplastics in soil: Impacts and microbial diversity and degradation. 2022 , 32, 49-60	4
280	Engineered <i>Sphingomonas</i> sp. KT-1 PahZ1 monomers efficiently degrade poly(aspartic acid).. 2021 , 281, 106745	0
279	Features of the accumulation of macroplastic on the river bottom in the Mekong delta and the impact on fish and decapods.. 2021 , 297, 118747	0
278	Occurrence and distribution of micro(meso)plastic-sorbed heavy metals and metalloids in sediments, Gulf of Guinea coast (SE Atlantic).. 2021 , 152650	3
277	Oxidative stress responses of microplastic-contaminated <i>Gambusia affinis</i> obtained from the Brantas River in East Java, Indonesia.. 2022 , 293, 133543	3

276	Microbial Degradation of Plastics and Approaches to Make it More Efficient. 2021 , 90, 671-701	5
275	The synthesis of polyhydroxyalkanoates from low carbon wastewater under anaerobic-microaerobic process: effects of pH and nitrogen and phosphorus limitation. 2022 , 27, 210467-0	0
274	Bioaccumulation of additives and chemical contaminants from environmental microplastics in European seabass (<i>Dicentrarchus labrax</i>).. 2022 , 822, 153396	2
273	Release and intestinal translocation of chemicals associated with microplastics in an in vitro human gastrointestinal digestion model. 2022 , 2,	1
272	Plastics-to-Syngas Photocatalyzed by Co-Ga ₂ O ₃ Nanosheets.	2
271	Low quantities of marine debris at the northern Ningaloo Marine Park, Western Australia, influenced by visitation and accessibility.. 2022 , 174, 113294	0
270	Microplastic pollution of commercial fishes from coastal and offshore waters in southwestern Japan.. 2022 , 174, 113304	2
269	Interactions Between Plastic, Microbial Biofilms and <i>Gammarus pulex</i> : An Initial Investigation.. 2022 , 108, 609	0
268	Living in a bottle: Bacteria from sediment-associated Mediterranean waste and potential growth on polyethylene terephthalate.. 2022 , 11, e1259	1
267	Effects of pollutants and microplastics ingestion on oxidative stress and monoaminergic activity of seabream brains. 2021 , 242, 106048	2
266	A baseline study of macro, meso and micro litter in the Belize River basin, from catchment to coast.	2
265	Outside the Safe Operating Space of the Planetary Boundary for Novel Entities.. 2022 ,	58
264	Micro-Nano Plastic in the Aquatic Environment: Methodological Problems and Challenges.. 2022 , 12,	1
263	Interactions of microplastics and main pollutants and environmental behavior in soils.. 2022 , 153511	3
262	Microplastics Occurrence in Two Mountainous Rivers in the Lowland Area—A Case Study of the Central Pomeranian Region, Poland. 2022 , 1, 167-186	3
261	The ingestion of large plastics by recreationally caught southern bluefin tuna <i>Thunnus maccoyii</i> off southern Australia.. 2022 , 175, 113332	1
260	Lack of Evidence for Microplastic Contamination from Water-Soluble Detergent Capsules. 2022 , 1, 121-140	1
259	Pre/post-natal exposure to microplastic as a potential risk factor for autism spectrum disorder.. 2022 , 161, 107121	6

258	Increased transfer of trace metals and <i>Vibrio</i> sp. from biodegradable microplastics to catfish <i>Clarias gariepinus</i> .. 2022 , 298, 118850	2
257	Regulations to Minimize the Entry of Plastic Waste Into the Oceans. 2022 , 49-80	0
256	Strategies to Cope with the Plastic Pollution in the Sea. 2022 , 101-118	
255	Impact of Plastic Waste on the Coral Reefs: An Overview. 2022 , 239-256	1
254	Removal of Polystyrene Microplastics from Aqueous Solution Using the Metal-Organic Framework Material of ZIF-67.. 2022 , 10,	1
253	Distribution, characteristics, and human exposure to microplastics in mangroves within the Guangdong-Hong Kong-Macao Greater Bay Area.. 2022 , 175, 113395	0
252	The role of mesopelagic fishes as microplastics vectors across the deep-sea layers from the Southwestern Tropical Atlantic.. 2022 , 300, 118988	0
251	Differential effects of two prevalent environmental pollutants on host-pathogen dynamics.. 2022 , 295, 133879	0
250	Governance Strategies for Mitigating Microplastic Pollution in the Marine Environment: A Review. 2021 , 1, 15-46	8
249	Mapping Marine Debris Risk Using Expert Elicitation, Empirical Data, and Spatial Modelling.	
248	Effects of Microplastics in the Cryosphere. 2022 , 907-952	
247	Microplastics in Biota. 2022 , 355-376	
246	Marine plastics: what's wrong with them?. 2022 , 1-29	
245	Sorption of Potentially Toxic Elements to Microplastics. 2022 , 625-640	
244	Plastic impact on marine benthic organisms and food webs. 2022 , 95-151	0
243	Analysis of Microplastics in Food Samples. 2022 , 377-391	
242	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> .	
241	The Role of Microplastics in Bioaccumulation of Pollutants. 2022 , 667-696	

240	Pollutants Bioavailability and Toxicological Risk from Microplastics. 2022 , 697-736	
239	Impact of the non-biodegradable plastics and role of microbes in biotic degradation. 2022 , 10, 171-189	
238	Assessing the recovery of steroid levels and gonadal histopathology of tilapia exposed to polystyrene particle pollution by supplementary feed.. 2022 , 15, 517-523	0
237	Fishes and Estuarine Environmental Health. 2022 , 332-379	7
236	Recent Advances in Biological Recycling of Polyethylene Terephthalate (PET) Plastic Wastes.. 2022 , 9,	1
235	Reproduction, Ontogeny and Recruitment. 2022 , 60-187	12
234	Effects of Microplastics on Fish and in Human Health. 2022 , 10,	4
233	Fish personality affects their exposure to microplastics.. 2022 , 233, 113301	0
232	Micro(nano)plastics Prevalence, Food Web Interactions, and Toxicity Assessment in Aquatic Organisms: A Review. 2022 , 9,	5
231	Recent advances in toxicological research and potential health impact of microplastics and nanoplastics in vivo.. 2022 , 1	1
230	Plastic Bottles for Sorting Floating Microplastics in Sediment. 2022 , 10, 390	
229	The influences of substrates' physical properties on enzymatic PET hydrolysis: Implications for PET hydrolase engineering. 2022 , 6, 17-22	1
228	An In Situ Experiment to Evaluate the Aging and Degradation Phenomena Induced by Marine Environment Conditions on Commercial Plastic Granules.. 2022 , 14,	2
227	Occurrence of microfibrils in wild specimens of adult sea urchin <i>Paracentrotus lividus</i> (Lamarck, 1816) from a coastal area of the central Mediterranean Sea.. 2022 , 176, 113448	0
226	Influence of Different Microplastic Forms on pH and Mobility of Cu and Pb in Soil.. 2022 , 27,	4
225	Micro(nano)plastics as a vector of pharmaceuticals in aquatic ecosystem: Historical review and future trends. 2022 , 100068	1
224	Biomarker responses in zebrafish (<i>Danio rerio</i>) following long-term exposure to microplastic-associated chlorpyrifos and benzo(k)fluoranthene.. 2022 , 245, 106120	1
223	Non-destructive biomarkers can reveal effects of the association of microplastics and pharmaceuticals or personal care products.. 2022 , 177, 113469	0

222	The patterns of trophic transfer of microplastic ingestion by fish in the artificial reef area and adjacent waters of Haizhou Bay.. 2022 , 177, 113565	0
221	Residual additives in marine microplastics and their risk assessment - A critical review.. 2022 , 177, 113467	0
220	Incidence of microplastic fiber ingestion by Common Terns (<i>Sterna hirundo</i>) and Roseate Terns (<i>S. dougallii</i>) breeding in the Northwestern Atlantic.. 2022 , 177, 113560	1
219	Widespread microplastic pollution across the Caribbean Sea confirmed using queen conch.. 2022 , 178, 113582	0
218	Impact of storms and proximity to entry points on marine litter and wrack accumulation along Mediterranean beaches: Management implications.. 2022 , 153914	0
217	Concentrations of lead, cadmium and mercury in sardines, <i>Sardina pilchardus</i> (Walbaum, 1792) from the Algerian coast and health risks for consumers. 2022 , 109, 104490	2
216	An overview of the effects of nanoplastics on marine organisms.. 2022 , 154757	4
215	Polystyrene microplastics increase Pb bioaccumulation and health damage in the Chinese mitten crab <i>Eriocheir sinensis</i> .. 2022 , 829, 154586	1
214	Coverage of microplastic data underreporting and progress toward standardization.. 2022 , 154727	0
213	First report of plastic contamination in batoids: Plastic ingestion by Haller's Round Ray (<i>Urobatis halleri</i>) in the Gulf of California.. 2022 , 211, 113077	0
212	Quantification of differential tissue biomarker responses to microplastic ingestion and plasticizer bioaccumulation in aquaculture reared sea bream <i>Sparus aurata</i> .. 2022 , 113063	2
211	Comparative study on the microplastics abundance, characteristics, and possible sources in yellow clams of different demographic regions of the northwest coast of India. 2022 , 3, 100051	2
210	Nanoplastics influence the perfluorooctane sulfonate (PFOS) mediated toxicity on marine mussel <i>Perna viridis</i> : Single and mixture exposure study. 2021 ,	2
209	Evidence of Microplastic Size Impact on Mobility and Transport in the Marine Environment: A Review and Synthesis of Recent Research. 2021 , 8,	6
208	Using Community Science to Address Pollution in an Urban Watershed: Lessons about Trash, Diverse Engagement, and the Need for Science Mindsets. 2021 , 174, 21-44	0
207	Transformation Product Formation upon Heterogeneous Ozonation of the Tire Rubber Antioxidant 6PPD (N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine).	3
206	Influence of microplastics on triclosan bioaccumulation and metabolomics variation in Tilapia fish tissues.. 2022 , 1	0
205	Histomorphological Damage in the Small Intestine of Wami Tilapia (<i>Oreochromis urolepis</i>) (Norman, 1922) Exposed to Microplastics Remain Long after Depuration. 2022 , 1, 240-253	0

204	River Otter Feeding Habits in Wisconsin, U.S.A.: Evidence of Microbead Contamination. 2022 , 187,	
203	Source, fate and management of recreational fishing marine debris.. 2022 , 178, 113500	0
202	Enrichment of polystyrene microplastics induces histological damage, oxidative stress, Keap1-Nrf2 signaling pathway-related gene expression in loach juveniles (<i>Paramisgurnus dabryanus</i>).. 2022 , 237, 113540	1
201	Seasonal variations in the abundance and distribution of microplastic particles in the surface waters of a Southern Indian Lake.. 2022 , 134556	3
200	Table_1.docx. 2018 ,	
199	DataSheet1.PDF. 2018 ,	
198	Table_1.docx. 2019 ,	
197	Table_1.DOCX. 2019 ,	
196	Table_1.DOCX. 2020 ,	
195	Data_Sheet_2.PDF. 2020 ,	
194	Data_Sheet_1.docx. 2020 ,	
193	Table_1.XLSX. 2019 ,	
192	Image_1.JPEG. 2019 ,	
191	Image_2.jpg. 2019 ,	
190	Image_3.JPEG. 2019 ,	
189	Effects of a microplastic mixture differ across trophic levels and taxa in a freshwater food web: In situ mesocosm experiment.. 2022 , 155407	0
188	Ocean Restoration and the Strategic Plan of the Marine Microbiome. 2022 , 731-766	
187	Transcriptome alterations in zebrafish gill after exposure to different sizes of microplastics.. 2022 , 1-10	0

186	Dietary Feeding Lycopene, Citric Acid, and Chlorella Alleviated the Neurotoxicity of Polyethylene Microplastics in African Catfish (<i>Clarias gariepinus</i>). 2022 , 10,	0
185	Microplastic contamination in the sediments of Qarasu estuary in Gorgan Bay, south-east of Caspian Sea, Iran.. 2022 , 155913	2
184	Assessing Fuzzy Cognitive Mapping as a participatory and interdisciplinary approach to explore marine microfiber pollution.. 2022 , 179, 113713	0
183	Microplastics in decapod crustaceans sourced from Australian seafood markets.. 2022 , 179, 113706	0
182	Microplastic presence in the pelagic fish, <i>Seriola dumerili</i> , from Balearic Islands (Western Mediterranean), and assessment of oxidative stress and detoxification biomarkers in liver.. 2022 , 212, 113369	1
181	Metabolomic disorders unveil hepatotoxicity of environmental microplastics in wild fish <i>Serranus scriba</i> (Linnaeus 1758).. 2022 , 155872	2
180	Influence of microplastics on the bioconcentration of organic contaminants in fish: Is the "Trojan horse" effect a matter of concern?. 2022 , 119473	0
179	Relative exposure to microplastics and prey for a pelagic forage fish.	0
178	Potential Risks of Microplastic Fomites to Aquatic Organisms with Special Emphasis on Polyethylene-Microplastic-Glyphosate Exposure Case in Aquacultured Shrimp. 2022 , 12, 5135	0
177	Microplastics Occurrence in Edible Fish Species (<i>Mullus barbatus</i> and <i>M. surmuletus</i>) from an Italian Marine Protected Area. 2022 , 1, 291-302	
176	Distribution characteristics of microplastics in surface and subsurface Antarctic seawater. 2022 , 156051	1
175	Extending the theory of planned behaviour to investigate the issue of microplastics in the marine environment. 2022 , 179, 113689	0
174	Interactions of microplastics with organic, inorganic and bio-pollutants and the ecotoxicological effects on terrestrial and aquatic organisms. 2022 , 838, 156068	0
173	Plastic Additives in the Ocean. 2022 , 43-76	0
172	Ingestion of Microplastics by Marine Animals. 2022 , 349-366	2
171	Plastics in Freshwater Bodies. 2022 , 199-225	
170	Predicting Drifting Polystyrene Degradation in World Oceans Based on Thermal Decomposition.	
169	Sustainable management of plastic wastes in COVID-19 pandemic: The biochar solution. 2022 , 113495	2

168	Distinct polymer-dependent sorption of persistent pollutants associated with Atlantic salmon farming to microplastics. 2022 , 180, 113794	1
167	Global qualitative and quantitative distribution of micropollutants in the deep sea. 2022 , 307, 119414	1
166	Plastic Interactions with Pollutants and Consequences to Aquatic Ecosystems: What We Know and What We Do Not Know. 2022 , 12, 798	1
165	Embryotoxicity of Polystyrene Microspheres of Different Sizes to the Marine Medaka <i>Oryzias melastigma</i> (McClelland, 1839). 2022 , 14, 1831	0
164	Ecotoxic effects of microplastics and contaminated microplastics Emerging evidence and perspective. 2022 , 156593	1
163	A Review of Microplastic Pollution Characteristics in Global Urban Freshwater Catchments. 2022 , 28-48	
162	Plastics in the environment as potential threat to life: an overview.	0
161	Impact of Micro and Nanoplastics in the Marine Environment. 2022 , 172-225	
160	Nano- and micro-polystyrene plastics disturb gut microbiota and intestinal immune system in honeybee. 2022 , 156819	1
159	Nanoplastics dominate the cotransport of small-scale plastics in seawater-saturated porous media. 2022 , 221, 118773	0
158	Microplastics in fishmeal: A threatening issue for sustainable aquaculture and human health. 2022 , 25, 101205	0
157	A review on microplastics and nanoplastics in the environment: Their occurrence, exposure routes, toxic studies, and potential effects on human health. 2022 , 181, 113832	2
156	Identification of Plastic Additives Using Py-Gc-Hrms: Method Development and Application on Food Containers.	
155	Does Microplastic Exposure and Sex Influence Shell Selection and Motivation in the Common European Hermit Crab, <i>Pagurus Bernhardus</i> ?	
154	Multi-endpoint effects of derelict tubular mussel plastic nets on <i>Tigriopus fulvus</i> .	
153	Simulated experimental investigation of microplastic weathering in marine environment. 1-9	1
152	Microplastics alter multiple biological processes of marine benthic fauna. 2022 , 157362	1
151	Identification and Toxicity Evaluation of Water-Soluble Chemicals Generated by the Photooxidative Degradation of Expanded Polystyrene. 10,	0

- 150 Microplastic load in the surface water and *Tilapia sparrmanii* (Smith, 1840) of the river systems of Okavango Delta, Botswana. **2022**, 194, 1
- 149 Research recommendations to better understand the potential health impacts of microplastics to humans and aquatic ecosystems. **2022**, 2, 0
- 148 Knowledge Gaps, Future Directions, and the Emergence of Nanoplastics as an Environmental Threat Pollutant. **2022**, 423-451
- 147 Potential of feed supplements on morphometric and gonad weight of fish exposed to microplastics. **2022**, 1036, 012001
- 146 Temporal changes of plastic litter and associated encrusting biota: Evidence from Central Italy (Mediterranean Sea). **2022**, 181, 113890 0
- 145 Seasonal variation in microplastics and zooplankton abundances and characteristics: The ecological vulnerability of an oceanic island system. **2022**, 181, 113906 1
- 144 Environmental microplastics disrupt swimming activity in acute exposure in *Danio rerio* larvae and reduce growth and reproduction success in chronic exposure in *D. rerio* and *Oryzias melastigma*. **2022**, 308, 119721 0
- 143 Integrated biomarker responses in European seabass *Dicentrarchus labrax* (Linnaeus, 1758) chronically exposed to PVC microplastics. **2022**, 438, 129488 0
- 142 Microplastic pollution in Bangladesh: Research and management needs. **2022**, 308, 119697 0
- 141 A systematic review and risk matrix of plastic litter impacts on aquatic wildlife: A case study of the Mekong and Ganges River Basins. **2022**, 843, 156858 1
- 140 Potential impacts of plastic from cannabis cultivation on fish and wildlife resources. **2020**, 106,
- 139 Microplastic ingestion alters the expression of some sexually selected traits in a model fish guppy (*Poecilia reticulata* Peters 1859). **2022**, 55, 87-106 0
- 138 Modeling three-dimensional transport of and impacts of biofouling in Lake Erie and Lake Ontario. **2022**, 1
- 137 Cause of microfibers found in the domestic washing process of clothing; focusing on the manufacturing, wearing, and washing processes. **2022**, 9, 0
- 136 Effects of Microplastics on Reproduction and Growth of Freshwater Live Feeds *Daphnia magna*. **2022**, 7, 181
- 135 Distribution and Characteristics of Microplastics in Barnacles and Wild Bivalves on the Coast of the Yellow Sea, China. 8, 0
- 134 PS-NPs Induced Neurotoxic Effects in SHSY-5Y Cells via Autophagy Activation and Mitochondrial Dysfunction. **2022**, 12, 952 0
- 133 Polystyrene microplastics alter bioaccumulation, and physiological and histopathological toxicities of cadmium in the polychaete *Perinereis aibuhitensis*. 9, 1

132	Adsorption of Contaminants of Emerging Concern (CECs) with Varying Hydrophobicity on Macro- and Microplastic Polyvinyl Chloride, Polyethylene, and Polystyrene: Kinetics and Potential Mechanisms. 2022 , 14, 2581	
131	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>). 2022 , 157999	0
130	Plastics as a carrier of chemical additives to the Arctic: Possibilities for strategic monitoring across the circumpolar North.	0
129	Hazard index of microplastics contamination in various fishes collected off Parangipettai, Southeast coast of India. 2022 , 136037	0
128	Occurrence and characteristics of microdebris in commercial fish species of Guyana, South America. 2022 , 182, 114021	
127	Toxicological impact of environmental microplastics and benzo[a]pyrene in the seaworm <i>Hediste diversicolor</i> under environmentally relevant exposure conditions. 2022 , 310, 119856	0
126	Exposure to microplastics in the upper respiratory tract of indoor and outdoor workers. 2022 , 307, 136067	0
125	Toward a sustainable circular economy for cigarette butts, the most common waste worldwide on the coast. 2022 , 847, 157634	1
124	Investigating the effects of microplastic ingestion in <i>Scyliorhinus canicula</i> from the South of Sicily. 2022 , 850, 157875	0
123	Interaction between Microplastics and Pharmaceuticals Depending on the Composition of Aquatic Environment. 2022 , 1, 520-535	1
122	Microplastics as vectors of environmental contaminants: Interactions in the natural ecosystems. 1-21	1
121	Global meta-analysis reveals diverse effects of microplastics on freshwater and marine fishes.	1
120	Anthropogenic particles in the zooplankton aggregation layer and ingestion in fish species along the Catalan continental shelf. 2022 , 277, 108041	0
119	Chitosan-coated mesoporous silica particles as a plastic-free platform for photochemical suppression and stabilization of organic ultraviolet filters. 2022 , 235, 112565	0
118	Variation in plastic consumption: social group size enhances individual susceptibility to an evolutionary trap. 2022 , 192, 171-188	0
117	Quantification and characterization of microplastics in commercial fish from southern New Zealand. 2022 , 184, 114121	1
116	The Raman spectroscopy and SEM/EDS investigation of the primary sources of microplastics from cosmetics available in Poland. 2022 , 308, 136407	1
115	Environmental impacts of post-consumer plastic wastes: Treatment technologies towards eco-sustainability and circular economy. 2022 , 308, 135867	4

114	Occurrence of microplastics and nanoplastics in marine environment. 2023 , 151-181	0
113	Does microplastic exposure and sex influence shell selection and motivation in the common European hermit crab, <i>Pagurus bernhardus</i> ?. 2023 , 855, 158576	2
112	Chitosan-Coated Mesoporous Silica Particles as a Plastic-Free Platform for Photochemical Suppression and Stabilization of Organic Ultraviolet Filters.	0
111	Surface characteristics and biotoxicity of airborne microplastics. 2022 ,	0
110	Microplastics (MPs) in marine food chains: Is it a food safety issue?. 2022 ,	0
109	Microbial Bioremediation of Polythene and Plastics. 2022 , 405-421	0
108	Contribution to Microplastic Identification and Quantification in Marine Sediments Facing a River Mouth Through Nmr Spectroscopy.	0
107	Occurrence and effects of per- and poly-fluoroalkyl substances (PFASs) in aquatic environment. 2022 , 105-125	0
106	Nano/micro-plastics: Sources, trophic transfer, toxicity to the animals and humans, regulation, and assessment. 2022 ,	0
105	Impact of Microfiber/Microplastic Pollution. 2022 , 151-203	0
104	Microplastics in aquatic systems, a comprehensive review: origination, accumulation, impact, and removal technologies. 2022 , 12, 28318-28340	2
103	Effectiveness of ecomodules in increasing aquatic biodiversity and bioproductivity in a port environment.. 2022 , 1245, 012005	0
102	Polystyrene Nanoplastic Exposure Induces Developmental Toxicity by Activating the Oxidative Stress Response and Base Excision Repair Pathway in Zebrafish (<i>Danio rerio</i>). 2022 , 7, 32153-32163	0
101	An enigma: A meta-analysis reveals the effect of ubiquitous microplastics on different taxa in aquatic systems. 10,	0
100	Microbial strategies for degradation of microplastics generated from COVID-19 healthcare waste. 2022 , 114438	1
99	Combined effects of nanoplastics and heavy metal on antioxidant parameters of juvenile tri-spine horseshoe crabs. 9,	0
98	Study of the Potential Accumulation of the Pesticide Alpha-Endosulfan by Microplastics in Water Systems. 2022 , 14, 3645	2
97	Microalgae colonization and trace element accumulation on the plastisphere of marine plastic debris in Monastir Bay (Eastern Tunisia).	0

96	Effect of microplastics on the activity of carboxylesterase and phosphatase enzymes in <i>Scinax squalirostris</i> tadpoles. 2022 , 194,	0
95	The transfer and resulting negative effects of nano- and micro-plastics through the aquatic trophic web: A discreet threat to human health. 2022 , 100080	1
94	Defining the Chemical Additives Driving In Vitro Toxicities of Plastics.	0
93	Deeply in Plasticenta: Presence of Microplastics in the Intracellular Compartment of Human Placentas. 2022 , 19, 11593	0
92	Multispecies Assessment of Anthropogenic Particle Ingestion in a Marine Protected Area. 2022 , 11, 1375	0
91	Spatiotemporal microplastic occurrence study of Harike wetland, A Ramsar wetland of India.	0
90	Epiplastic microhabitats for epibenthic organisms: a new inland water frontier for diatoms.	0
89	Vertical distribution, accumulation, and characteristics of microplastics in mangrove sediment in China. 2022 , 159256	1
88	A review on enhanced microplastics derived from biomedical waste during the COVID-19 pandemic with its toxicity, health risks, and biomarkers. 2022 , 114434	1
87	Environmental risk, toxicity, and biodegradation of polyethylene: a review.	1
86	Polybrominated diphenyl ethers as hitchhikers on microplastics: Sorption behaviors and combined toxicities to <i>Epinephelus moara</i> . 2022 , 252, 106317	0
85	Mapping marine debris risk using expert elicitation, empirical data, and spatial modelling. 2022 , 138, 44-55	0
84	Are Ingested or Inhaled Microplastics Involved in Nonalcoholic Fatty Liver Disease?. 2022 , 19, 13495	1
83	Ecofriendly poly(3-hydroxybutyrate-co-4-hydroxybutyrate) microbeads for sanitary products. 2022 ,	0
82	Binding Between Antibiotics and Polystyrene Nanoparticles Examined by NMR.	0
81	Food and human safety: the impact of microplastics. 1-20	1
80	Identification of plastic additives: Py/TD-GC-HRMS method development and application on food containers. 2022 , 168, 105745	0
79	Microplastics in the foreshore coastal waters, sediment, and coastal fauna of a highly populated megacity - A study on the effect of anthropogenic discharge on clams. 2022 , 185, 114262	0

- 78 Bacterial colonization dynamics of different microplastic types in an anoxic salt marsh sediment and impact of adsorbed polychlorinated biphenyls on the plastisphere. **2022**, 315, 120411 ○
- 77 The occurrence, speciation, and ecological effect of plastic pollution in the bay ecosystems. **2023**, 857, 159601 ○
- 76 A review on carbon materials production from plastic wastes. **2023**, 453, 139725 ○
- 75 Transgenerational impacts of micro(nano)plastics in the aquatic and terrestrial environment. **2023**, 443, 130274 ○
- 74 Plastic Waste Generation and Emissions from the Domestic Open Burning of Plastic Waste in Guatemala. ○
- 73 Effects of plastic particles on aquatic invertebrates and fish [A review]. **2022**, 96, 104013 3
- 72 Protective efficacy of dietary natural antioxidants on microplastic particles-induced histopathological lesions in African catfish (*Clarias gariepinus*). ○
- 71 Resolving natural organic matter and nanoplastics in binary or ternary systems via UV-Vis analysis. **2022**, ○
- 70 Microplastics abundance in abiotic and biotic components along aquatic food chain in two freshwater ecosystems of Pakistan. **2022**, 137177 ○
- 69 Plastic debris decrease fish feeding pressure on tropical reefs. **2022**, 185, 114330 ○
- 68 Preliminary investigations of microplastic pollution in karst systems, from surface watercourses to cave waters. **2022**, 104117 ○
- 67 The significance of trophic transfer of microplastics in the accumulation of plastic additives in fish: An experimental study using brominated flame retardants and UV stabilizers. **2022**, 185, 114343 ○
- 66 Magnetic resonance imaging for non-invasive measurement of plastic ingestion in marine wildlife. **2022**, 185, 114334 ○
- 65 Microplastic contamination in large migratory fishes collected in the open Atlantic Ocean. **2023**, 186, 114454 ○
- 64 Impact of face mask microplastics pollution on the aquatic environment and aquaculture organisms. **2023**, 317, 120769 1
- 63 Exposure of *Cyprinus carpio* var. larvae to PVC microplastics reveals significant immunological alterations and irreversible histological organ damage. **2023**, 249, 114377 ○
- 62 Microplastic pollution and its implicated risks in the estuarine environment of Tamil Nadu, India. **2022**, 160572 ○
- 61 Plastic pollution can affect the emergence patterns of the loggerhead turtle hatchlings. ○

- 60 Crosslinked poly (vinyl alcohol) composite reinforced with tunicate, wood, and hybrid cellulose nanocrystals: Comparative physicochemical, thermal, and mechanical properties. **2022**, ○
- 59 Microplastic-Contaminated Feed Interferes with Antioxidant Enzyme and Lysozyme Gene Expression of Pacific White Shrimp (*Litopenaeus vannamei*) Leading to Hepatopancreas Damage and Increased Mortality. **2022**, 12, 3308 ○
- 58 Impact of Plastic Waste Ingestion by Fish. 1
- 57 Assessment of Microplastics in Green Mussel (*Perna viridis*) and Surrounding Environments around Sri Racha Bay, Thailand. **2023**, 15, 9 ○
- 56 Assessment of pollution and risks associated with microplastics in the riverine sediments of the Western Ghats: a heritage site in southern India. ○
- 55 Microplastic Contamination in Ulhas River Flowing Through India's Most Populous Metropolitan Area. **2022**, 233, ○
- 54 Effect of Short Glass Fiber Reinforcement on Physical, Mechanical Properties and Fire Performance of Wood Plastic Composites. 273-279 ○
- 53 Microalgae colonization and trace element accumulation on the plastisphere of marine plastic debris in Monastir Bay (Eastern Tunisia). ○
- 52 Microplastics in Freshwater: A Focus on the Russian Inland Waters. **2022**, 14, 3909 ○
- 51 Effects of Microplastics on Algae in Receiving Waters. **2022**, 287-314 ○
- 50 Current knowledge on the presence, biodegradation, and toxicity of discarded face masks in the environment. **2023**, 109308 ○
- 49 Plastic ingestion by carnivore fish in a neotropical floodplain: seasonal and interspecific variations. ○
- 48 Dietary intake of microplastics impairs digestive performance, induces hepatic dysfunction, and shortens lifespan in the annual fish *Nothobranchius guentheri*. 1
- 47 Microplastic Toxicity in Aquatic Organisms and Aquatic Ecosystems: a Review. **2023**, 234, ○
- 46 A preliminary assessment of microplastic occurrence and their potential risk as pollutant transport vectors: A case study in Phu Ly, Ha Nam, Vietnam. ○
- 45 PCB-126 spiked to polyethylene microplastic ingested by juvenile Atlantic cod (*Gadus morhua*) accumulates in liver and muscle tissues. **2023**, 187, 114528 ○
- 44 Effects of weathered polyethylene microplastic ingestion on sexual maturation, fecundity and egg quality in maturing broodstock Atlantic cod *Gadus morhua*. **2023**, 320, 121053 ○
- 43 Microplastics in the Ecosystem: An Overview on Detection, Removal, Toxicity Assessment, and Control Release. **2023**, 15, 51 2

- 42 Accumulation of Plastics and Trace Elements in the Mangrove Forests of Bima City Bay, Indonesia. **2023**, 12, 462 ○
- 41 Microplastics in mainstem Mississippi River fishes. 10, ○
- 40 Development prospects for resource utilization of waste plastics. **2023**, 227-248 ○
- 39 Evaluating Toxic Interactions of Polystyrene Microplastics with Hazardous and Noxious Substances Using the Marine Bivalve *Crassostrea Gigas*. ○
- 38 Land use and COVID-19 lockdowns influence debris composition and abundance in stormwater drains. **2023**, 871, 161908 ○
- 37 A global synthesis of microplastic contamination in wild fish species: Challenges for conservation, implications for sustainability of wild fish stocks and future directions. **2023**, ○
- 36 Polypropylene microplastics aging under natural conditions in winter and summer and its effects on the sorption and desorption of nonylphenol. **2023**, 225, 115615 ○
- 35 Microplastics in aquatic environments: A comprehensive review of toxicity, removal, and remediation strategies. **2023**, 876, 162414 ○
- 34 Recent advances towards micro(nano)plastics research in wetland ecosystems: A systematic review on sources, removal, and ecological impacts. **2023**, 452, 131341 ○
- 33 Polystyrene microplastics enhance the microcystin-LR-induced gonadal damage and reproductive endocrine disruption in zebrafish. **2023**, 876, 162664 ○
- 32 Exposure to polypropylene microplastics via diet and water induces oxidative stress in *Cyprinus carpio*. **2023**, 259, 106540 ○
- 31 Mangrove and microplastic pollution: A case study from a small island (Mauritius). **2023**, 62, 102906 ○
- 30 From marine to freshwater environment: A review of the ecotoxicological effects of microplastics. **2023**, 251, 114564 1
- 29 Characterization of microplastic pollution in the Pasur river of the Sundarbans ecosystem (Bangladesh) with emphasis on water, sediments, and fish. **2023**, 868, 161704 ○
- 28 Effects of medicinal plants rhizome on growth performance of tilapia (*Oreochromis niloticus*) exposed to micro plastics. **2023**, ○
- 27 A critical review on recent research progress on microplastic pollutants in drinking water. **2023**, 222, 115312 ○
- 26 The occurrence of microplastic in aquatic environment and toxic effects for organisms. ○
- 25 Evaluation of microplastic contamination by metals in a controlled environment: A risk to be considered. ○

- 24 The Effects of Exposing *Solea senegalensis* to Microbeads with and Without Pesticides. **2023**, 234, 0
- 23 Anthropogenic litter in terrestrial flora and fauna: Is the situation as bad as in the ocean? A field study in Southern Germany on five meadows and 150 ruminants in comparison with marine debris. **2023**, 323, 121304 0
- 22 Revealing the capability of the European hake to cope with micro-litter environmental exposure and its inferred potential health impact in the NW Mediterranean Sea. **2023**, 186, 105921 0
- 21 ESG Investing in "White Gold" The Case of Lebanese Salinas. **2023**, 16, 147 0
- 20 Microplastic pollution: An emerging contaminant in aquaculture. **2023**, 8, 603-616 0
- 19 Microplastics in water systems: A review of their impacts on the environment and their potential hazards. **2023**, 9, e14359 0
- 18 Hemotoxic effects of polyethylene microplastics on mice. 14, 0
- 17 Why Microplastics Are Exceptional Contaminants?. 0
- 16 Euryhaline fish larvae ingest more microplastic particles in seawater than in freshwater. **2023**, 13, 0
- 15 Study on Copper Desorption Behavior from Microplastic Particles in Different Media. **2023**, 234, 0
- 14 Using Social Media to Determine the Global Distribution of Plastics in Birds' Nests: The Role of Riverine Habitats. **2023**, 12, 670 0
- 13 The abundance of microplastics in Siak tributary sediments in the watershed area, Pekanbaru City, Riau (Case Study Sago River). **2023**, 0
- 12 Non-Infectious Disorders of Warmwater Fish. **2023**, 278-314 1
- 11 Ecotoxicology Methods of Reservoir Water Using Fish. **2023**, 113-125 0
- 10 Molecular Toxicity Mechanism of Microplastics in the Reservoir. **2023**, 173-181 0
- 9 Ingestion of microplastics by copepods in Tampa Bay Estuary, FL. 11, 0
- 8 Personal Protective Equipment and Micro-Nano plastics: A review of an unavoidable interrelation for a global well-being hazard. **2023**, 100055 0
- 7 Ingestion of Polyvinylchloride Powder Particles Induces Oxidative Stress and Hepatic Histopathological Changes in *Oreochromis niloticus* (Nile Tilapia) A Preliminary Study. **2023**, 15, 6494 0

- 6 Screening for Microplastic Uptake in an Urbanized Freshwater Ecosystem: *Chondrostoma nasus* (Linnaeus, 1758) Case Study. **2023**, 15, 1578
- 5 Distribution of microplastics in different tissues of major commercial catches in different functional areas of the South Yellow Sea. **2023**, 882, 163597
- 4 Microplastics in the Mediterranean and elsewhere in coastal seas. **2023**,
- 3 Presence of microplastic in target species of small scale fisheries and possible social implications on the local communities.
- 2 Sorbed environmental contaminants increase the harmful effects of microplastics in adult zebrafish, *Danio rerio*. **2023**, 259, 106544
- 1 A review of the order mysida in marine ecosystems: What we know what is yet to be known. **2023**, 188, 106019