

CITATION REPORT

List of articles citing

Microplastic pollution in deep-sea sediments

DOI: 10.1016/j.envpol.2013.08.013

Environmental Pollution, 2013, 182, 495-9.

Source: <https://exaly.com/paper-pdf/55267671/citation-report.pdf>

Version: 2024-04-26

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
1021	Marine litter distribution and density in European seas, from the shelves to deep basins. 2014 , 9, e95839		364
1020	The deep sea is a major sink for microplastic debris. 2014 , 1, 140317		876
1019	Plastic debris in the open ocean. 2014 , 111, 10239-44		1509
1018	Nanoplastic affects growth of <i>S. obliquus</i> and reproduction of <i>D. magna</i> . 2014 , 48, 12336-43		610
1017	Microplastic pollution in St. Lawrence River sediments. 2014 , 71, 1767-1771		319
1016	Microplastic is an abundant and distinct microbial habitat in an urban river. 2014 , 48, 11863-71		711
1015	Macrodebris and microplastics from beaches in Slovenia. 2014 , 89, 356-366		258
1014	In vitro interaction of emerging contaminants with the cytochrome p450 system of Mediterranean deep-sea fish. 2014 , 48, 12327-35		26
1013	Microplastics in freshwater ecosystems: what we know and what we need to know. 2014 , 26, 12		636
1012	Marine debris ingestion by coastal dolphins: what drives differences between sympatric species?. 2014 , 83, 298-301		46
1011	Annual variation in neustonic micro- and meso-plastic particles and zooplankton in the Bay of Calvi (Mediterranean-Corsica). 2014 , 79, 293-8		149
1010	Questions of size and numbers in environmental research on microplastics: methodological and conceptual aspects. 2015 , 12, 527		152
1009	Kunststoffpartikel im Süßwasser. 2015 , 63, 46-50		2
1008	Marine litter, future prospects for research. 2015 , 2,		53
1007	Identification and Quantification of Microplastics in Wastewater Using Focal Plane Array-Based Reflectance Micro-FT-IR Imaging. 2015 , 87, 6032-40		322
1006	Adsorption of trace metals by microplastic pellets in fresh water. 2015 , 12, 600		291
1005	Ingested microplastics (>100 μ m) are translocated to organs of the tropical fiddler crab <i>Uca rapax</i> . 2015 , 96, 491-5		141

1004	Beach debris in the Azores (NE Atlantic): Faial Island as a first case study. 2015 , 101, 575-82		28
1003	Focal plane array detector-based micro-Fourier-transform infrared imaging for the analysis of microplastics in environmental samples. 2015 , 12, 563		292
1002	Microplastics in freshwater systems: a review of the emerging threats, identification of knowledge gaps and prioritisation of research needs. 2015 , 75, 63-82		1250
1001	Microplastics: addressing ecological risk through lessons learned. 2015 , 34, 945-53		180
1000	Microplastic and macroplastic ingestion by a deep diving, oceanic cetacean: the True's beaked whale <i>Mesoplodon mirus</i> . <i>Environmental Pollution</i> , 2015 , 199, 185-91	9-3	329
999	Methodology Used for the Detection and Identification of Microplastics: A Critical Appraisal. 2015 , 201-227		169
998	Characterisation, quantity and sorptive properties of microplastics extracted from cosmetics. 2015 , 99, 178-85		413
997	First observation on neustonic plastics in waters off NW Spain (spring 2013 and 2014). 2015 , 111, 27-33		36
996	Marine litter on the floor of deep submarine canyons of the Northwestern Mediterranean Sea: The role of hydrodynamic processes. 2015 , 134, 379-403		122
995	Microplastics in the Marine Environment: Distribution, Interactions and Effects. 2015 , 245-307		149
994	Microplastics in the Marine Environment: Sources, Consequences and Solutions. 2015 , 185-200		101
993	Potential Health Impact of Environmentally Released Micro- and Nanoplastics in the Human Food Production Chain: Experiences from Nanotoxicology. 2015 , 49, 8932-47		511
992	Sources and Pathways of Microplastics to Habitats. 2015 , 229-244		66
991	Identification of microplastics by FTIR and Raman microscopy: a novel silicon filter substrate opens the important spectral range below 1300 cm^{-1} for FTIR transmission measurements. 2015 , 407, 6791-801		147
990	A Brief History of Marine Litter Research. 2015 , 1-25		70
989	Regulation and Management of Marine Litter. 2015 , 395-428		41
988	Global Distribution, Composition and Abundance of Marine Litter. 2015 , 29-56		157
987	Deleterious Effects of Litter on Marine Life. 2015 , 75-116		192

986	Marine Anthropogenic Litter. 2015 ,	214
985	Microplastics in sediments: A review of techniques, occurrence and effects. 2015 , 111, 5-17	573
984	Interactions between microplastics and phytoplankton aggregates: Impact on their respective fates. 2015 , 175, 39-46	357
983	Accumulation of floating microplastics behind the Three Gorges Dam. <i>Environmental Pollution</i> , 2015 , 204, 117-23	9.3 263
982	Using a forensic science approach to minimize environmental contamination and to identify microfibrils in marine sediments. 2015 , 95, 40-6	195
981	Environmental Change in the Deep Ocean. 2015 , 40, 1-38	37
980	Plastic pollution in five urban estuaries of KwaZulu-Natal, South Africa. 2015 , 101, 473-480	164
979	A critical view on microplastic quantification in aquatic organisms. 2015 , 143, 46-55	243
978	Benthic plastic debris in marine and fresh water environments. 2015 , 17, 1363-9	85
977	When Microplastic Is Not Plastic: The Ingestion of Artificial Cellulose Fibers by Macrofauna Living in Seagrass Macrophytodebris. 2015 , 49, 11158-66	181
976	Prospects for microbiological solutions to environmental pollution with plastics. 2015 , 99, 8857-74	231
975	Microplastics in coastal and marine environments of the western tropical and sub-tropical Atlantic Ocean. 2015 , 17, 1868-79	42
974	Marine microplastic-associated biofilms [a] review. 2015 , 12, 551	232
973	A critical overview of the analytical approaches to the occurrence, the fate and the behavior of microplastics in the environment. 2015 , 65, 47-53	449
972	Plastic pollution of the Kuril&amchatka Trench area (NW pacific). 2015 , 111, 399-405	135
971	Microplastics in the Marine Environment: Current Status, Assessment Methodologies, Impacts and Solutions. 2016 , 04,	14
970	Microplastics in Seawater: Recommendations from the Marine Strategy Framework Directive Implementation Process. 2016 , 3,	78
969	Nature of Plastic Marine Pollution in the Subtropical Gyres. 2016 , 135-162	8

968	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
967	Microplastic pollution of lakeshore sediments from remote lakes in Tibet plateau, China. <i>Environmental Pollution</i> , 2016 , 219, 450-455	9.3	288
966	Microplastics in seafood: Benchmark protocol for their extraction and characterization. <i>Environmental Pollution</i> , 2016 , 215, 223-233	9.3	408
965	On some physical and dynamical properties of microplastic particles in marine environment. 2016 , 108, 105-12		262
964	Wastewater Treatment Works (WwTW) as a Source of Microplastics in the Aquatic Environment. 2016 , 50, 5800-8		859
963	Pigments and plastic in limnetic ecosystems: A qualitative and quantitative study on microparticles of different size classes. 2016 , 98, 64-74		249
962	Occurrence of microplastics in the beach sand of the Chinese inner sea: the Bohai Sea. <i>Environmental Pollution</i> , 2016 , 214, 722-730	9.3	206
961	Understanding the Fragmentation Pattern of Marine Plastic Debris. 2016 , 50, 5668-75		254
960	Plastic ingestion by a generalist seabird on the coast of Uruguay. 2016 , 107, 71-76		27
959	Extraction, enumeration and identification methods for monitoring microplastics in the environment. 2016 , 176, 102-109		146
958	Seasonal variation in the abundance of marine plastic debris in the estuary of a subtropical macro-scale drainage basin in South China. 2016 , 562, 658-665		154
957	Environment and gut morphology influence microplastic retention in langoustine, <i>Nephrops norvegicus</i> . <i>Environmental Pollution</i> , 2016 , 214, 859-865	9.3	120
956	Hyperspectral Imaging and Data Analysis for Detecting and Determining Plastic Contamination in Seawater Filtrates. 2016 , 24, 141-149		49
955	Leachate from microplastics impairs larval development in brown mussels. 2016 , 106, 364-370		165
954	Analysis of environmental microplastics by vibrational microspectroscopy: FTIR, Raman or both?. 2016 , 408, 8377-8391		371
953	Anthropogenic microfibrils pollution in marine biota. A new and simple methodology to minimize airborne contamination. 2016 , 113, 55-61		88
952	Suspended micro-sized PVC particles impair the performance and decrease survival in the Asian green mussel <i>Perna viridis</i> . 2016 , 111, 213-220		102
951	Marine microplastic debris: a targeted plan for understanding and quantifying interactions with marine life. 2016 , 14, 317-324		127

950	Plastic litter in sediments from a marine area likely to become protected (Aeolian Archipelago's islands, Tyrrhenian sea). 2016 , 113, 526-529		58
949	Uptake, accumulation and elimination of polystyrene microspheres in tadpoles of <i>Xenopus tropicalis</i> . 2016 , 164, 611-617		86
948	Standardized methods are required to assess and manage microplastic contamination of the Great Lakes system. 2016 , 42, 921-925		13
947	Microplastics in aquatic environments: Implications for Canadian ecosystems. <i>Environmental Pollution</i> , 2016 , 218, 269-280	9-3	283
946	Auswirkungen von Mikroplastik auf die Grönlippmuschel <i>Perna viridis</i> . 2016 ,		
945	Raman microspectroscopic analysis of fibers in beverages. 2016 , 8, 5722-5725		61
944	A semi-automated Raman micro-spectroscopy method for morphological and chemical characterizations of microplastic litter. 2016 , 113, 461-468		99
943	Identification and quantification of microplastics using Nile Red staining. 2016 , 113, 469-476		220
942	Polystyrene influences bacterial assemblages in <i>Arenicola marina</i> -populated aquatic environments in vitro. <i>Environmental Pollution</i> , 2016 , 219, 219-227	9-3	27
941	Plastic microfibre ingestion by deep-sea organisms. 2016 , 6, 33997		255
940	Sources and sinks of microplastics in Canadian Lake Ontario nearshore, tributary and beach sediments. 2016 , 110, 383-395		344
939	Sinking rates of microplastics and potential implications of their alteration by physical, biological, and chemical factors. 2016 , 109, 310-319		242
938	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
937	The geological cycle of plastics and their use as a stratigraphic indicator of the Anthropocene. 2016 , 13, 4-17		387
936	The behaviors of microplastics in the marine environment. 2016 , 113, 7-17		354
935	Short-term exposure with high concentrations of pristine microplastic particles leads to immobilisation of <i>Daphnia magna</i> . 2016 , 153, 91-9		257
934	Microplastic as a Vector for Chemicals in the Aquatic Environment: Critical Review and Model-Supported Reinterpretation of Empirical Studies. 2016 , 50, 3315-26		704
933	Feeding type affects microplastic ingestion in a coastal invertebrate community. 2016 , 102, 95-101		218

932	Microplastics in coastal sediments from Southern Portuguese shelf waters. 2016 , 114, 24-30		194
931	Microplastics in the aquatic and terrestrial environment: sources (with a specific focus on personal care products), fate and effects. 2016 , 28, 2		653
930	Experimental Evaluation of Seaweeds as a Vector for Microplastics into Marine Food Webs. 2016 , 50, 915-23		132
929	Plastics and microplastics in the oceans: From emerging pollutants to emerged threat. 2017 , 128, 2-11		560
928	Microplastics en route: Field measurements in the Dutch river delta and Amsterdam canals, wastewater treatment plants, North Sea sediments and biota. 2017 , 101, 133-142		507
927	Microplastics in freshwater and terrestrial environments: Evaluating the current understanding to identify the knowledge gaps and future research priorities. 2017 , 586, 127-141		1226
926	Microplastic Exposure Assessment in Aquatic Environments: Learning from Similarities and Differences to Engineered Nanoparticles. 2017 , 51, 2499-2507		103
925	Reducing Uncertainty and Confronting Ignorance about the Possible Impacts of Weathering Plastic in the Marine Environment. 2017 , 4, 85-90		229
924	Microplastics in sea coastal zone: Lessons learned from the Baltic amber. <i>Environmental Pollution</i> , 2017 , 224, 243-254	9.3	61
923	Widespread microplastic ingestion by fish assemblages in tropical estuaries subjected to anthropogenic pressures. 2017 , 117, 448-455		148
922	Preliminary study to characterize plastic polymers using elemental analyser/isotope ratio mass spectrometry (EA/IRMS). 2017 , 176, 47-56		31
921	Application of Scanning Electron MicroscopyEnergy Dispersive X-Ray Spectroscopy (SEM-EDS). 2017 , 153-168		29
920	Sources and fate of microplastics in marine and beach sediments of the Southern Baltic Sea-a preliminary study. 2017 , 24, 7650-7661		156
919	References. 2017 , 269-294		
918	Microplastic in the surface waters of the Ross Sea (Antarctica): Occurrence, distribution and characterization by FTIR. 2017 , 175, 391-400		280
917	Microplastics in sediments of the Changjiang Estuary, China. <i>Environmental Pollution</i> , 2017 , 225, 283-290	9.3	340
916	Microplastic ingestion in fish larvae in the western English Channel. <i>Environmental Pollution</i> , 2017 , 226, 250-259	9.3	246
915	Occurrence of Marine Litter in the Marine Environment: A World Panorama of Floating and Seafloor Plastics. 2017 , 93-120		7

914	Anthropogenic fibres in the Baltic Sea water column: Field data, laboratory and numerical testing of their motion. 2017 , 599-600, 560-571		96
913	Microplastics in the Antarctic marine system: An emerging area of research. 2017 , 598, 220-227		354
912	Incidence of marine debris in seabirds feeding at different water depths. 2017 , 119, 68-73		28
911	The plastic in microplastics: A review. 2017 , 119, 12-22		761
910	Bioturbation transports secondary microplastics to deeper layers in soft marine sediments of the northern Baltic Sea. 2017 , 119, 255-261		55
909	Ups and Downs in the Ocean: Effects of Biofouling on Vertical Transport of Microplastics. 2017 , 51, 7963-7971		351
908	Trophic transference of microplastics under a low exposure scenario: Insights on the likelihood of particle cascading along marine food-webs. 2017 , 121, 154-159		123
907	Microplastics in Sediment Cores from Asia and Africa as Indicators of Temporal Trends in Plastic Pollution. 2017 , 73, 230-239		205
906	Abundance and composition of near surface microplastics and plastic debris in the Stockholm Archipelago, Baltic Sea. 2017 , 120, 292-302		117
905	Influence of environmental and anthropogenic factors on the composition, concentration and spatial distribution of microplastics: A case study of the Bay of Brest (Brittany, France). <i>Environmental Pollution</i> , 2017 , 225, 211-222	9.3	201
904	Microplastics Sampling and Sample Handling. 2017 , 75, 25-47		13
903	The presence of microplastics in commercial salts from different countries. 2017 , 7, 46173		190
902	Microbial enzymes for the recycling of recalcitrant petroleum-based plastics: how far are we?. 2017 , 10, 1308-1322		297
901	Occurrence and Characteristics of Microplastic Pollution in Xiangxi Bay of Three Gorges Reservoir, China. 2017 , 51, 3794-3801		277
900	Micro- and mesoplastics in Northeast Levantine coast of Turkey: The preliminary results from surface samples. 2017 , 118, 341-347		67
899	Efficient microplastics extraction from sand. A cost effective methodology based on sodium iodide recycling. 2017 , 115, 120-129		36
898	Microplastic pollution in Vembanad Lake, Kerala, India: The first report of microplastics in lake and estuarine sediments in India. <i>Environmental Pollution</i> , 2017 , 222, 315-322	9.3	233
897	Microplastic pollution in the marine waters and sediments of Hong Kong. 2017 , 115, 20-28		191

896	Ingestion of microplastics by natural zooplankton groups in the northern South China Sea. 2017 , 115, 217-224		189
895	Microplastics in the surface sediments from the Beijiang River littoral zone: Composition, abundance, surface textures and interaction with heavy metals. 2017 , 171, 248-258		366
894	Transport of microplastics in coastal seas. 2017 , 199, 74-86		257
893	Evaluation of the Munich Plastic Sediment Separator efficiency in extraction of microplastics from natural marine bottom sediments. 2017 , 15, 967-978		37
892	From the surface to the seafloor: How giant larvaceans transport microplastics into the deep sea. 2017 , 3, e1700715		107
891	High Quantities of Microplastic in Arctic Deep-Sea Sediments from the HAUSGARTEN Observatory. 2017 , 51, 11000-11010		434
890	Invertebrate population genetics across Earth's largest habitat: The deep-sea floor. 2017 , 26, 4872-4896		50
889	Microplastics in Spanish Table Salt. 2017 , 7, 8620		154
888	The Deposition and Accumulation of Microplastics in Marine Sediments and Bottom Water from the Irish Continental Shelf. 2017 , 7, 10772		171
887	Microplastic pollution in the surface waters of the Bohai Sea, China. <i>Environmental Pollution</i> , 2017 , 231, 541-548	9.3	237
886	Recovering microplastics from marine samples: A review of current practices. 2017 , 123, 6-18		131
885	Microplastic pollution in deposited urban dust, Tehran metropolis, Iran. 2017 , 24, 20360-20371		201
884	Fate of So-Called Biodegradable Polymers in Seawater and Freshwater. 2017 , 1, 1700048		110
883	Effects of microplastics on sessile invertebrates in the eastern coast of Thailand: An approach to coastal zone conservation. 2017 , 124, 349-355		84
882	Microplastic pollution, a threat to marine ecosystem and human health: a short review. 2017 , 24, 21530-21547		349
881	Microplastic pollution identified in deep-sea water and ingested by benthic invertebrates in the Rockall Trough, North Atlantic Ocean. <i>Environmental Pollution</i> , 2017 , 231, 271-280	9.3	210
880	Investigation of microrubbers, microplastics and heavy metals in street dust: a study in Bushehr city, Iran. 2017 , 76, 1		98
879	Other Contaminants of Emerging Concern. 2017 , 453-486		

878	Microplastics in the sediments of Terra Nova Bay (Ross Sea, Antarctica). 2017 , 122, 161-165	144
877	Screening for microplastics in sediment, water, marine invertebrates and fish: Method development and microplastic accumulation. 2017 , 122, 403-408	258
876	Microplastics in eviscerated flesh and excised organs of dried fish. 2017 , 7, 5473	158
875	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
874	Microplastics in Baltic bottom sediments: Quantification procedures and first results. 2017 , 114, 724-732	134
873	An approach for extraction, characterization and quantitation of microplastic in natural marine snow using Raman microscopy. 2017 , 9, 1470-1478	142
872	Plastics in the Marine Environment. 2017 , 9, 205-229	437
871	Microplastic in Aquatic Ecosystems. 2017 , 56, 1720-1739	321
870	Grab vs. neuston tow net: a microplastic sampling performance comparison and possible advances in the field. 2017 , 9, 1446-1453	143
869	Size distribution of stranded small plastic debris on the coast of Guangdong, South China. <i>Environmental Pollution</i> , 2017 , 220, 407-412	9.3 109
868	Large microplastic particles in sediments of tributaries of the River Thames, UK - Abundance, sources and methods for effective quantification. 2017 , 114, 218-226	420
867	Plastic litter in sediments from the Croatian marine protected area of Telašća bay (Adriatic Sea). 2017 , 114, 583-586	89
866	Identification methods in microplastic analysis: a review. 2017 , 9, 1384-1391	373
865	Mikroplastik in aquatischen Ökosystemen. 2017 , 129, 1744-1764	10
864	Effects of biofouling on the sinking behavior of microplastics. 2017 , 12, 124003	224
863	Biological Communities on Seamounts and Other Submarine Features Potentially Threatened by Disturbance. 899-912	
862	More Than a Potential Hazard: Approaching Risks from a Social-Ecological Perspective. 2017 , 9, 1039	10
861	Microplastics Baseline Surveys at the Water Surface and in Sediments of the North-East Atlantic. 2017 , 4,	141

860	Microplastic Distribution at Different Sediment Depths in an Urban Estuary. 2017 , 4,		103
859	The Problem of Marine Plastic Debris. 2017 , 1-55		6
858	Assessment. 2017 , 143-214		
857	Characterization of Microplastics by Raman Spectroscopy. 2017 , 119-151		55
856	Genome Structure of <i>Bacillus cereus</i> and Genes Involved in Cellulose Degradation and Poly-3-Hydroxybutyrate Synthesis. 2017 , 2017, 1-12		2
855	A First Pilot Study on the Sorption of Environmental Pollutants on Various Microplastic Materials. 2017 , 04,		16
854	. 2017 , 17,		14
853	Observation of the degradation of three types of plastic pellets exposed to UV irradiation in three different environments. 2018 , 628-629, 740-747		168
852	Aggregation kinetics of microplastics in aquatic environment: Complex roles of electrolytes, pH, and natural organic matter. <i>Environmental Pollution</i> , 2018 , 237, 126-132	9-3	82
851	Three-dimensional distribution of anthropogenic microparticles in the body of sandy beaches. 2018 , 628-629, 1340-1351		51
850	Below the surface: Twenty-five years of seafloor litter monitoring in coastal seas of North West Europe (1992-2017). 2018 , 630, 790-798		64
849	Ten inconvenient questions about plastics in the sea. 2018 , 85, 146-154		42
848	Advancement and Challenges of Microplastic Pollution in the Aquatic Environment: a Review. 2018 , 229, 1		36
847	Fast microplastics identification with stimulated Raman scattering microscopy. 2018 , 49, 1136-1144		60
846	Interaction of toxic chemicals with microplastics: A critical review. 2018 , 139, 208-219		378
845	Human footprint in the abyss: 30 year records of deep-sea plastic debris. 2018 , 96, 204-212		179
844	Trophic transfer of microplastics and mixed contaminants in the marine food web and implications for human health. 2018 , 115, 400-409		475
843	Microplastics and polycyclic aromatic hydrocarbons (PAHs) in Xiamen coastal areas: Implications for anthropogenic impacts. 2018 , 634, 811-820		116

842	Identification and quantification of microplastics in table sea salts using micro-NIR imaging methods. 2018 , 10, 2881-2887		20
841	Microplastic in two South Carolina Estuaries: Occurrence, distribution, and composition. 2018 , 128, 223-233		141
840	Microplastic analysis in the South Funen Archipelago, Baltic Sea, implementing manta trawling and bulk sampling. 2018 , 128, 601-608		76
839	Occurrence of microplastics in commercial fish from a natural estuarine environment. 2018 , 128, 575-584		227
838	Continuous Exposure to Microplastics Does Not Cause Physiological Effects in the Cultivated Mussel <i>Perna perna</i> . 2018 , 74, 594-604		64
837	Micro(nanoplastics) in the marine environment: Current knowledge and gaps. 2018 , 1, 47-51		87
836	Assessment tools for microplastics and natural fibres ingested by fish in an urbanised estuary. <i>Environmental Pollution</i> , 2018 , 234, 552-561	9.3	101
835	Microplastics in freshwater river sediments in Shanghai, China: A case study of risk assessment in mega-cities. <i>Environmental Pollution</i> , 2018 , 234, 448-456	9.3	257
834	Synthetic microfibers in the marine environment: A review on their occurrence in seawater and sediments. 2018 , 127, 365-376		170
833	Microplastics in the benthic invertebrates from the coastal waters of Kochi, Southeastern Arabian Sea. 2018 , 40, 1377-1383		47
832	Microplastic pollution in North Yellow Sea, China: Observations on occurrence, distribution and identification. 2018 , 636, 20-29		166
831	Presence of microplastics in the tube structure of the reef-building polychaete <i>Gunnarea gaimardi</i> (Quatrefages 1848). 2018 , 40, 87-89		19
830	A review of methods for measuring microplastics in aquatic environments. 2018 , 25, 11319-11332		151
829	A workflow for improving estimates of microplastic contamination in marine waters: A case study from North-Western Australia. <i>Environmental Pollution</i> , 2018 , 238, 26-38	9.3	59
828	Microplastic pollution in China's inland water systems: A review of findings, methods, characteristics, effects, and management. 2018 , 630, 1641-1653		188
827	The implications of water extractable organic matter (WEOM) on the sorption of typical parent, alkyl and N/O/S-containing polycyclic aromatic hydrocarbons (PAHs) by microplastics. 2018 , 156, 176-182		13
826	Environmentally relevant microplastic exposure affects sediment-dwelling bivalves. <i>Environmental Pollution</i> , 2018 , 236, 652-660	9.3	92
825	Microplastic contamination of river beds significantly reduced by catchment-wide flooding. 2018 , 11, 251-257		329

824	Adding the Third Dimension to Marine Conservation. 2018 , 11, e12408	10
823	Microplastics reduced posterior segment regeneration rate of the polychaete <i>Perinereis aibuhitensis</i> . 2018 , 129, 782-786	30
822	Modeling the Fate and Transport of Plastic Debris in Freshwaters: Review and Guidance. 2018 , 125-152	42
821	Microplastic: What Are the Solutions?. 2018 , 273-298	34
820	Understanding the Risks of Microplastics: A Social-Ecological Risk Perspective. 2018 , 223-237	14
819	Analysis, Occurrence, and Degradation of Microplastics in the Aqueous Environment. 2018 , 51-67	80
818	Microplastic in beach sediments of the Isle of Rügen (Baltic Sea) - Implementing a novel glass elutriation column. 2018 , 126, 263-274	70
817	Freshwater Microplastics. 2018 ,	129
816	Occurrence of microplastics and its pollution in the environment: A review. 2018 , 13, 16-23	131
815	Microplastic particles cause intestinal damage and other adverse effects in zebrafish <i>Danio rerio</i> and nematode <i>Caenorhabditis elegans</i> . 2018 , 619-620, 1-8	547
814	Microplastic fiber uptake, ingestion, and egestion rates in the blue mussel (<i>Mytilus edulis</i>). 2018 , 137, 638-645	107
813	The imprint of microfibrils in southern European deep seas. 2018 , 13, e0207033	92
812	Ecotoxicological effects of polystyrene microbeads in a battery of marine organisms belonging to different trophic levels. 2018 , 141, 313-321	56
811	Analytical Methods and Trends in Environmental Forensics. 2018 , 285-301	
810	Microplastics in Aquatic Systems [Monitoring Methods and Biological Consequences. 2018 , 179-195	1
809	Presence of microplastics in benthic and epibenthic organisms: Influence of habitat, feeding mode and trophic level. <i>Environmental Pollution</i> , 2018 , 243, 1217-1225	93 114
808	Macro- and microplastics affect cold-water corals growth, feeding and behaviour. 2018 , 8, 15299	70
807	Occurrence, sources, human health impacts and mitigation of microplastic pollution. 2018 , 25, 36046-36063	191

806	Microplastic in marine organism: Environmental and toxicological effects. 2018 , 64, 164-171	289
805	Trapping of plastics in semi-enclosed seas: Insights from the Bohai Sea, China. 2018 , 137, 509-517	14
804	Occurrence and Composition of Microplastics in the Seabed Sediments of the Coral Communities in Proximity of a Metropolitan Area. 2018 , 15,	40
803	Evidence of microplastics pollution in coastal beaches and waters in southern Sri Lanka. 2018 , 137, 277-284	47
802	Raman microspectroscopy as a tool for microplastic particle analysis. 2018 , 109, 214-226	103
801	Size matters more than shape: Ingestion of primary and secondary microplastics by small predators. 2018 , 17, e00097	108
800	Black corals (Anthozoa: Antipatharia) from the deep (916 m-2542 m) Coral Sea, north-eastern Australia. 2018 , 4472, 307-326	5
799	Investigation of microplastics in aquatic environments: An overview of the methods used, from field sampling to laboratory analysis. 2018 , 108, 195-202	128
798	Rapid aggregation of biofilm-covered microplastics with marine biogenic particles. 2018 , 285,	121
797	Quantification of microplastic mass and removal rates at wastewater treatment plants applying Focal Plane Array (FPA)-based Fourier Transform Infrared (FT-IR) imaging. 2018 , 142, 1-9	292
796	Microplastics in sewage sludge from the wastewater treatment plants in China. 2018 , 142, 75-85	383
795	Role of Marine Snows in Microplastic Fate and Bioavailability. 2018 , 52, 7111-7119	174
794	Retention and characteristics of microplastics in natural zooplankton taxa from the East China Sea. 2018 , 640-641, 232-242	55
793	Microplastics pollution in different aquatic environments and biota: A review of recent studies. 2018 , 133, 191-208	268
792	Sorption of Toxic Chemicals on Microplastics. 2018 , 225-247	8
791	Limitations for Microplastic Quantification in the Ocean and Recommendations for Improvement and Standardization. 2018 , 27-49	10
790	Microplastic Contamination in Freshwater Systems: Methodological Challenges, Occurrence and Sources. 2018 , 51-93	14
789	Marine Microplastics: Abundance, Distribution, and Composition. 2018 , 1-26	19

788	Occurrence of microplastics in the water column and sediment in an inland sea affected by intensive anthropogenic activities. <i>Environmental Pollution</i> , 2018 , 242, 1557-1565	9.3	140
787	Constraints and Priorities for Conducting Experimental Exposures of Marine Organisms to Microplastics. 2018 , 5,		113
786	Assessment of microplastics derived from mariculture in Xiangshan Bay, China. <i>Environmental Pollution</i> , 2018 , 242, 1146-1156	9.3	107
785	Microplastics in Small Waterbodies and Tadpoles from Yangtze River Delta, China. 2018 , 52, 8885-8893		127
784	Size-selective feeding of <i>Arenicola marina</i> promotes long-term burial of microplastic particles in marine sediments. <i>Environmental Pollution</i> , 2018 , 242, 1777-1786	9.3	26
783	Observations of Litter Deposited in the Deep Waters of Isla del Coco National Park, Eastern Tropical Pacific. 2018 , 5,		5
782	Conclusions of Hazardous Chemicals Associated with Plastics in Environment 2018 , 297-305		1
781	Occurrence and distribution of microplastics in an urban river: A case study in the Pearl River along Guangzhou City, China. 2018 , 644, 375-381		218
780	Microplastics in Sumba waters, East Nusa Tenggara. 2018 , 162, 012023		10
779	Recent ecological change in ancient lakes. 2018 , 63, 2277-2304		36
778	Risk assessment of microplastics in the ocean: Modelling approach and first conclusions. <i>Environmental Pollution</i> , 2018 , 242, 1930-1938	9.3	167
777	A Methodology for Measuring Microplastic Transport in Large or Medium Rivers. 2018 , 10, 414		47
776	A critical review on the sources and instruments of marine microplastics and prospects on the relevant management in China. 2018 , 36, 898-911		62
775	The occurrence and degradation of aquatic plastic litter based on polymer physicochemical properties: A review. 2018 , 48, 685-722		72
774	Quality Criteria for the Analysis of Microplastic in Biota Samples: A Critical Review. 2018 , 52, 10230-10240		228
773	Age-dependent survival, stress defense, and AMPK in <i>Daphnia pulex</i> after short-term exposure to a polystyrene nanoplastic. 2018 , 204, 1-8		77
772	Worldwide distribution and abundance of microplastic: How dire is the situation?. 2018 , 36, 873-897		148
771	Microplastic in riverine fish is connected to species traits. 2018 , 8, 11639		129

770	Microplastics in Galway Bay: A comparison of sampling and separation methods. 2018 , 135, 932-940		38
769	Water Soluble (Bio)degradable Poly(organo)phosphazenes. 2018 , 183-209		3
768	Microplastic abundance and characteristics in French Atlantic coastal sediments using a new extraction method. <i>Environmental Pollution</i> , 2018 , 243, 228-237	9.3	54
767	Microplastic pollution in sediments from the Bohai Sea and the Yellow Sea, China. 2018 , 640-641, 637-645		221
766	Behavior of Microplastics in Coastal Zones. 2018 , 175-223		18
765	Identification of microplastics using Raman spectroscopy: Latest developments and future prospects. 2018 , 142, 426-440		273
764	The Occurrence, Fate, and Effects of Microplastics in the Marine Environment. 2018 , 133-173		6
763	Validation of a Method for Extracting Microplastics from Complex, Organic-Rich, Environmental Matrices. 2018 , 52, 7409-7417		307
762	Occurrence, Fate, and Effect of Microplastics in Freshwater Systems. 2018 , 95-132		17
761	Anthropogenic contamination of tap water, beer, and sea salt. 2018 , 13, e0194970		368
760	Degradability comparison of poly(butylene adipate terephthalate) and its composites filled with starch and calcium carbonate in different aquatic environments. 2019 , 136, 46916		5
759	Feeding and metabolism effects of three common microplastics on <i>Tenebrio molitor</i> L. 2019 , 41, 17-26		22
758	Micro- and Macroplastics in Aquatic Ecosystems. 2019 , 116-125		2
757	An optimized density-based approach for extracting microplastics from soil and sediment samples. <i>Environmental Pollution</i> , 2019 , 254, 113009	9.3	57
756	The deep sea: The new frontier for ecological restoration. 2019 , 108, 103642		23
755	References. 2019 , 287-355		
754	Index. 2019 , 356-362		
753	Shedding light on the invisible: addressing the potential for groundwater contamination by plastic microfibers. 2019 , 27, 2719-2727		38

752	Anthropogenic Marine Debris assessment with Unmanned Aerial Vehicle imagery and deep learning: A case study along the beaches of the Republic of Maldives. 2019 , 693, 133581		64
751	Particle and salinity sensing for the marine environment via deep learning using a Raspberry Pi. 2019 , 1, 035001		11
750	Plastics occurrence in the gastrointestinal tract of Zeus faber and Lepidopus caudatus from the Tyrrhenian Sea. 2019 , 146, 408-416		24
749	Chemical and physical changes of microplastics during sterilization by chlorination. 2019 , 163, 114871		44
748	Revealing the Mechanisms of Polyethylene Microplastics Affecting Anaerobic Digestion of Waste Activated Sludge. 2019 , 53, 9604-9613		93
747	Environmental Sustainability and Education for Waste Management. 2019 ,		3
746	Microplastics contamination in different trophic state lakes along the middle and lower reaches of Yangtze River Basin. <i>Environmental Pollution</i> , 2019 , 254, 112951	9.3	63
745	Occurrence and identification of microplastics in beach sediments from the Hauts-de-France region. 2019 , 26, 28010-28021		27
744	Review of Methodological Choices in LCA-Based Textile and Apparel Rating Tools: Key Issues and Recommendations Relating to Assessment of Fabrics Made From Natural Fibre Types. 2019 , 11, 3846		9
743	Mismanaged Plastic Waste: Far Side of the Moon. 2019 , 57-71		2
742	Microbeads – Case Study in How Public Outrage Fueled the Emergence of New Regulations. 2019 , 5, 172-179		7
741	Microplastic pollution on the Persian Gulf shoreline: A case study of Bandar Abbas city, Hormozgan Province, Iran. 2019 , 145, 536-546		29
740	Patterns, dynamics and consequences of microplastic ingestion by the temperate coral, <i>Astrangia poculata</i> . 2019 , 286, 20190726		53
739	Microplastic in the sediments of a highly eutrophic tropical estuary. 2019 , 146, 326-335		37
738	Polyethylene microplastics adhere to <i>Lemna minor</i> (L.), yet have no effects on plant growth or feeding by <i>Gammarus duebeni</i> (Lillj.). 2019 , 689, 413-421		95
737	Disintegration behaviour of bio-based plastics in coastal zone marine environments: A field experiment under natural conditions. 2019 , 688, 208-223		15
736	Assessing meso- and microplastic pollution in the Ligurian and Tyrrhenian Seas. 2019 , 149, 110572		20
735	Low levels of microplastics recorded from the common periwinkle, <i>Littorina littorea</i> on the west coast of Ireland. 2019 , 149, 110645		11

734	Microplastics in the crustaceans <i>Nephrops norvegicus</i> and <i>Aristeus antennatus</i> : Flagship species for deep-sea environments?. <i>Environmental Pollution</i> , 2019 , 255, 113107	9-3	56
733	Microplastics induce transcriptional changes, immune response and behavioral alterations in adult zebrafish. 2019 , 9, 15775		100
732	Towards Sustainable Environmental Quality: Priority Research Questions for the Australasian Region of Oceania. 2019 , 15, 917-935		11
731	Assessment of microplastic pollution: occurrence and characterisation in Vesijärvi lake and Pikku Vesijärvi pond, Finland. 2019 , 191, 652		41
730	Airborne microplastics: a review study on method for analysis, occurrence, movement and risks. 2019 , 191, 668		108
729	Microplastics in Tampa Bay, Florida: Abundance and variability in estuarine waters and sediments. 2019 , 148, 97-106		57
728	Environmental occurrences, fate, and impacts of microplastics. 2019 , 184, 109612		135
727	Impacts of microplastics on growth and health of hermatypic corals are species-specific. <i>Environmental Pollution</i> , 2019 , 254, 113074	9-3	56
726	Microplastics modify the toxicity of glyphosate on <i>Daphnia magna</i> . 2019 , 697, 134194		44
725	Microplastics detected in haemolymph of the Sydney rock oyster <i>Saccostrea glomerata</i> . 2019 , 149, 110537		16
724	Quantifying and identifying microplastics in the effluent of advanced wastewater treatment systems using Raman microspectroscopy. 2019 , 149, 110579		27
723	Feeding and digestion of the marine isopod <i>Idotea emarginata</i> challenged by poor food quality and microplastics. 2019 , 226, 108586		11
722	Effects of micro-sized polyethylene spheres on the marine microalga <i>Dunaliella salina</i> : Focusing on the algal cell to plastic particle size ratio. 2019 , 216, 105296		55
721	Pathway, classification and removal efficiency of microplastics in wastewater treatment plants. <i>Environmental Pollution</i> , 2019 , 255, 113326	9-3	105
720	Microplastics in a freshwater mussel (<i>Anodonta anatina</i>) in Northern Europe. 2019 , 697, 134192		27
719	A catchment-scale perspective of plastic pollution. 2019 , 25, 1207		144
718	Deep-sea hydrothermal vent ecosystem principles: Identification of ecosystem processes, services and communication of value. 2019 , 101, 118-124		7
717	Sampling techniques and preparation methods for microplastic analyses in the aquatic environment A review. 2019 , 113, 84-92		127

716	Microplastics in the Coral Reef Systems from Xisha Islands of South China Sea. 2019 , 53, 8036-8046	84
715	Application of Novel Microbial Consortia for Environmental Site Remediation and Hazardous Waste Management Toward Low- and High-Density Polyethylene and Prioritizing the Cost-Effective, Eco-friendly, and Sustainable Biotechnological Intervention. 2019 , 431-478	
714	Bacterial communities versus anthropogenic disturbances in the Antarctic coastal marine environment. 2019 , 2, 297-310	13
713	River Deltas as hotspots of microplastic accumulation: The case study of the Ebro River (NW Mediterranean). 2019 , 687, 1186-1196	105
712	Settling tracer spheroids in vertical turbulent channel flows. 2019 , 118, 173-182	4
711	Global Observing Needs in the Deep Ocean. 2019 , 6,	71
710	Biofilm facilitates metal accumulation onto microplastics in estuarine waters. 2019 , 683, 600-608	84
709	The composition of bacterial communities associated with plastic biofilms differs between different polymers and stages of biofilm succession. 2019 , 14, e0217165	97
708	Applications in: Environmental Analytics (fine particles). 2019 , 4,	1
707	Analysis of Selected Endocrine Disrupters Fraction Including Bisphenols Extracted from Daily Products, Food Packaging and Treated Wastewater Using Optimized Solid-Phase Extraction and Temperature-Dependent Inclusion Chromatography. 2019 , 24,	6
706	Distribution, sedimentary record, and persistence of microplastics in the Pearl River catchment, China. <i>Environmental Pollution</i> , 2019 , 251, 862-870	9.3 97
705	Dispersion, Accumulation, and the Ultimate Fate of Microplastics in Deep-Marine Environments: A Review and Future Directions. 2019 , 7,	136
704	Mikroplastik. 2019 , 15-242	1
703	A prototype of a portable optical sensor for the detection of transparent and translucent microplastics in freshwater. 2019 , 231, 161-167	22
702	Microplastics abundance and characteristics in surface waters from the Northwest Pacific, the Bering Sea, and the Chukchi Sea. 2019 , 143, 58-65	62
701	Climate Change and the Anthropocene. 2019 , 200-241	
700	Microplastic ingestion in deep-sea fish from the South China Sea. 2019 , 677, 493-501	90
699	History and Development of the Anthropocene as a Stratigraphic Concept. 2019 , 1-40	

698	Stratigraphic Signatures of the Anthropocene. 2019 , 41-108		
697	The Biostratigraphic Signature of the Anthropocene. 2019 , 109-136		
696	The Stratigraphic Boundary of the Anthropocene. 2019 , 242-286		
695	Ecotoxicity and genotoxicity of polystyrene microplastics on higher plant <i>Vicia faba</i> . <i>Environmental Pollution</i> , 2019 , 250, 831-838	9.3	216
694	Source and potential risk assessment of suspended atmospheric microplastics in Shanghai. 2019 , 675, 462-471		262
693	The Technosphere and Its Physical Stratigraphic Record. 2019 , 137-155		1
692	Reproductive toxicity of primary and secondary microplastics to three cladocerans during chronic exposure. <i>Environmental Pollution</i> , 2019 , 249, 638-646	9.3	71
691	Abundance and characteristics of microplastics in the northern coastal waters of Surabaya, Indonesia. 2019 , 142, 183-188		49
690	Deep sea sediments of the Arctic Central Basin: A potential sink for microplastics. 2019 , 145, 137-142		91
689	Response of bleached and symbiotic sea anemones to plastic microfiber exposure. <i>Environmental Pollution</i> , 2019 , 249, 512-517	9.3	29
688	Microplastics in surface waters and sediments of the Wei River, in the northwest of China. 2019 , 667, 427-434		184
687	Polystyrene nanoparticles affect the innate immune system of the Antarctic sea urchin <i>Sterechinus neumayeri</i> . 2019 , 42, 743-757		43
686	Microplastics and synthetic particles ingested by deep-sea amphipods in six of the deepest marine ecosystems on Earth. 2019 , 6, 180667		149
685	Interaction between microplastics and microorganism as well as gut microbiota: A consideration on environmental animal and human health. 2019 , 667, 94-100		148
684	Seafloor sediments as microplastic sinks in the northern Baltic Sea - Negligible upward transport of buried microplastics by bioturbation. <i>Environmental Pollution</i> , 2019 , 249, 74-81	9.3	40
683	Microplastics: Emerging Contaminants Requiring Multilevel Management. 2019 , 405-424		1
682	Different stories told by small and large microplastics in sediment - first report of microplastic concentrations in an urban recipient in Norway. 2019 , 141, 501-513		83
681	Plastic Waste: How Plastics Have Become Part of the Earth's Geological Cycle. 2019 , 443-452		10

680	Marine Plastic Pollution: Other Than Microplastic. 2019 , 425-442	10
679	Baseline Assessment of Marine Litter and Microplastic Ingestion by Cold-Water Coral Reef Benthos at the East Mingulay Marine Protected Area (Sea of the Hebrides, Western Scotland). 2019 , 6,	24
678	Microplastics as Contaminant in Freshwater Ecosystem: A Modern Environmental Issue. 2019 , 1-24	
677	First record of characterization, concentration and distribution of microplastics in coastal sediments of an urban fjord in south west Norway using a thermal degradation method. 2019 , 227, 705-714	64
676	PAHs, pesticides, personal care products and plastic additives in plastic debris from Spanish Mediterranean beaches. 2019 , 670, 672-684	55
675	Microplastic Ingestion by Gelatinous Zooplankton May Lower Efficiency of the Biological Pump. 2019 , 53, 5387-5395	48
674	The Role of Ekman Currents, Geostrophy, and Stokes Drift in the Accumulation of Floating Microplastic. 2019 , 124, 1474-1490	70
673	Distribution of plastic polymer types in the marine environment; A meta-analysis. 2019 , 369, 691-698	245
672	Leachates of micronized plastic toys provoke embryotoxic effects upon sea urchin <i>Paracentrotus lividus</i> . <i>Environmental Pollution</i> , 2019 , 247, 706-715	9.3 81
671	The PlasticClimate Nexus. 2019 , 345-361	7
670	Typhoons increase the abundance of microplastics in the marine environment and cultured organisms: A case study in Sanggou Bay, China. 2019 , 667, 1-8	53
669	Anthropocene Chemostratigraphy. 2019 , 156-199	
668	Preliminary study and first evidence of presence of microplastics and colorants in green mussel, <i>Perna viridis</i> (Linnaeus, 1758), from southeast coast of India. 2019 , 140, 416-422	50
667	Polyvinyl Chloride Microplastics Affect Methane Production from the Anaerobic Digestion of Waste Activated Sludge through Leaching Toxic Bisphenol-A. 2019 , 53, 2509-2517	156
666	Floating microplastics and aggregate formation in the Western Mediterranean Sea. 2019 , 140, 523-535	101
665	Muddying the Picture? Forecasting Particulate Sources and Dispersal Patterns in Managed Catchments. 2019 , 7,	2
664	Eulerian Modeling of the Three-Dimensional Distribution of Seven Popular Microplastic Types in the Global Ocean. 2019 , 124, 8558-8573	35
663	Surveying and cleaning plastic pollution in the sediment: SILVER+ approach. 2019 ,	5

662	The Problem of Microplastics and Regulatory Strategies in Italy. 2019 , 1		4
661	Review of Microplastic Pollution in the Environment and Emerging Recycling Solutions. 2019 , 7, 1251-1268		19
660	Do plastics serve as a possible vector for the spread of antibiotic resistance? First insights from bacteria associated to a polystyrene piece from King George Island (Antarctica). 2019 , 222, 89-100		84
659	Small Microplastics As a Main Contributor to Plastic Mass Balance in the North Atlantic Subtropical Gyre. 2019 , 53, 1157-1164		63
658	Joint toxicity of microplastics with triclosan to marine microalgae <i>Skeletonema costatum</i> . <i>Environmental Pollution</i> , 2019 , 246, 509-517	9.3	116
657	Manuscript prepared for submission to environmental toxicology and pharmacology pollution in drinking water source areas: Microplastics in the Danjiangkou Reservoir, China. 2019 , 65, 82-89		46
656	Comparison of microplastic pollution in different water bodies from urban creeks to coastal waters. <i>Environmental Pollution</i> , 2019 , 246, 174-182	9.3	161
655	Methods for sampling and detection of microplastics in water and sediment: A critical review. 2019 , 110, 150-159		342
654	An assessment of the ability to ingest and excrete microplastics by filter-feeders: A case study with the Mediterranean mussel. <i>Environmental Pollution</i> , 2019 , 245, 600-606	9.3	63
653	Microplastic in cultured oysters from different coastal areas of China. 2019 , 653, 1282-1292		128
652	Marine litter in sediments related to ecological features in impacted sites and marine protected areas (Croatia). 2019 , 138, 25-29		15
651	Gastropod pedal mucus retains microplastics and promotes the uptake of particles by marine periwinkles. <i>Environmental Pollution</i> , 2019 , 246, 688-696	9.3	18
650	Microplastics and associated PAHs in surface water from the Feilaixia Reservoir in the Beijiang River, China. 2019 , 221, 834-840		123
649	Evaluating exposure of northern fur seals, <i>Callorhinus ursinus</i> , to microplastic pollution through fecal analysis. 2019 , 138, 213-221		39
648	Consistent microplastic ingestion by deep-sea invertebrates over the last four decades (1976-2015), a study from the North East Atlantic. <i>Environmental Pollution</i> , 2019 , 244, 503-512	9.3	59
647	Microplastics in offshore sediment in the Yellow Sea and East China Sea, China. <i>Environmental Pollution</i> , 2019 , 244, 827-833	9.3	131
646	Abundance and distribution of microplastics in the surface sediments from the northern Bering and Chukchi Seas. <i>Environmental Pollution</i> , 2019 , 245, 122-130	9.3	90
645	River Microplastic Contamination and Dynamics upon a Rainfall Event in Hong Kong, China. 2019 , 6, 253-264		37

644	High levels of microplastic pollution in the sediments and benthic organisms of the South Yellow Sea, China. 2019 , 651, 1661-1669		157
643	Debris in Deep Water. 2019 , 251-268		7
642	Macroplastics Pollution in the Marine Environment. 2019 , 305-328		26
641	Polystyrene nanoplastic exposure induces immobilization, reproduction, and stress defense in the freshwater cladoceran <i>Daphnia pulex</i> . 2019 , 215, 74-81		132
640	Using mussel as a global bioindicator of coastal microplastic pollution. <i>Environmental Pollution</i> , 2019 , 244, 522-533	9.3	191
639	Microplastics in juvenile Chinook salmon and their nearshore environments on the east coast of Vancouver Island. <i>Environmental Pollution</i> , 2019 , 244, 135-142	9.3	48
638	Microplastics in the Northwestern Pacific: Abundance, distribution, and characteristics. 2019 , 650, 1913-1922		151
637	Juvenile fish caging as a tool for assessing microplastics contamination in estuarine fish nursery grounds. 2020 , 27, 3548-3559		12
636	Effects of food presence on microplastic ingestion and egestion in <i>Mytilus galloprovincialis</i> . 2020 , 240, 124855		39
635	Mathematical modelling and analysis of plastic waste pollution and its impact on the ocean surface. 2020 , 5, 136-163		10
634	Abundance, distribution patterns, and identification of microplastics in Brisbane River sediments, Australia. 2020 , 700, 134467		83
633	Co-effects of biofouling and inorganic matters increased the density of environmental microplastics in the sediments of Bohai Bay coast. 2020 , 717, 134431		25
632	The ocean's ultimate trashcan: Hadal trenches as major depositories for plastic pollution. 2020 , 168, 115121		69
631	Analysis and inorganic composition of microplastics in commercial Malaysian fish meals. 2020 , 150, 110687		39
630	Release of hazardous nanoplastic contaminants due to microplastics fragmentation under shear stress forces. 2020 , 384, 121393		99
629	Microplastic pollution in water, sediment, and fish from artificial reefs around the Ma'an Archipelago, Shengsi, China. 2020 , 703, 134768		73
628	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
627	Microplastic presence in commercial marine sea salts: A baseline study along Tuticorin Coastal salt pan stations, Gulf of Mannar, South India. 2020 , 150, 110675		38

626	Occurrence and removal of microplastics in an advanced drinking water treatment plant (ADWTP). 2020 , 700, 134520	131
625	Methodologies for Microplastics Recovery and Identification in Heterogeneous Solid Matrices: A Review. 2020 , 28, 739-748	26
624	A Global Perspective on Microplastics. 2020 , 125, e2018JC014719	175
623	Distribution and Characterization of Microplastics in Surface Waters and the Southern Caspian Sea Coasts Sediments. 2020 , 78, 86-93	22
622	Atmospheric microplastic over the South China Sea and East Indian Ocean: abundance, distribution and source. 2020 , 389, 121846	73
621	Paddle surfing for science on microplastic pollution. 2020 , 709, 136178	18
620	Analytical Methods for Microplastics in Environments: Current Advances and Challenges. 2020 , 3-24	11
619	Towards a marine strategy for the deep Mediterranean Sea: Analysis of current ecological status. 2020 , 112, 103781	20
618	Characteristics of microplastics ingested by zooplankton from the Bohai Sea, China. 2020 , 713, 136357	21
617	Quantity of plastic waste input into the ocean from China based on a material flow analysis model. 2020 , 3, 1-5	6
616	Microplastic pollution in the sediment of Jagir Estuary, Surabaya City, Indonesia. 2020 , 150, 110790	46
615	A meta-analysis of methodologies adopted by microplastic studies in China. 2020 , 718, 135371	33
614	Airborne fiber particles: Types, size and concentration observed in Beijing. 2020 , 705, 135967	52
613	Accumulation of microplastics in typical commercial aquatic species: A case study at a productive aquaculture site in China. 2020 , 708, 135432	89
612	Seasonal microplastics variation in nival and pluvial stretches of the Rhine River - From the Swiss catchment towards the North Sea. 2020 , 707, 135579	43
611	Nano-plastics induce aquatic particulate organic matter (microgels) formation. 2020 , 706, 135681	27
610	No evidence of spherical microplastics (10-300 μ m) translocation in adult rainbow trout (<i>Oncorhynchus mykiss</i>) after a two-week dietary exposure. 2020 , 15, e0239128	11
609	Microplastic Pollution in Deep-Sea Sediments From the Great Australian Bight. 2020 , 7,	56

608	The Paleoecology of Microplastic Contamination. 2020 , 8,	14
607	Quantifying temporal trends in anthropogenic litter in a rocky intertidal habitat. 2020 , 160, 111543	15
606	Risks of floating microplastic in the global ocean. <i>Environmental Pollution</i> , 2020 , 267, 115499	9.3 46
605	Occurrence and abundance of meso and microplastics in sediment, surface waters, and marine biota from the South Pacific region. 2020 , 160, 111572	30
604	Microplastic ingestion in important commercial fish in the southern Caspian Sea. 2020 , 160, 111598	23
603	Microplastics and sorbed contaminants - Trophic exposure in fish sensitive early life stages. 2020 , 161, 105126	9
602	First report from North America of microplastics in the gastrointestinal tract of stranded bottlenose dolphins (<i>Tursiops truncatus</i>). 2020 , 160, 111677	11
601	Regional study of microplastics in surface waters and deep sea sediments south of the Algarve Coast. 2020 , 40, 101488	9
600	High Abundances of Microplastic Pollution in Deep-Sea Sediments: Evidence from Antarctica and the Southern Ocean. 2020 , 54, 13661-13671	44
599	Identification and characterization of micro-plastics in the marine environment: A mini review. 2020 , 160, 111704	10
598	Exposure to polystyrene microplastics induced gene modulated biological responses in zebrafish (<i>Danio rerio</i>). 2021 , 281, 128592	19
597	Canola oil extraction in conjunction with a plastic free separation unit optimises microplastics monitoring in water and sediment. 2020 , 12, 5128-5139	13
596	Water column circulation drives microplastic distribution in the Martnez-Baker channels; A large fjord ecosystem in Chilean Patagonia. 2020 , 160, 111591	13
595	Differences in microplastic abundances within demersal communities highlight the importance of an ecosystem-based approach to microplastic monitoring. 2020 , 160, 111644	6
594	The effect of microplastics pollution in microalgal biomass production: A biochemical study. 2020 , 186, 116370	6
593	Abundance and characteristics of microfibers detected in sediment trap material from the deep subtropical North Atlantic Ocean. 2020 , 738, 140354	16
592	Microplastics in Polar Samples. 2020 , 1-42	7
591	Sampling and Quality Assurance and Quality Control: A Guide for Scientists Investigating the Occurrence of Microplastics Across Matrices. 2020 , 74, 1099-1125	75

590	The Bay of Biscay as a trapping zone for exogenous plastics of different sizes. 2020 , 163, 101929	7
589	Microplastics in sediments from Amazon rivers, Brazil. 2020 , 749, 141604	33
588	Bibliometric Profile of Global Microplastics Research from 2004 to 2019. 2020 , 17,	19
587	Rapid Identification of Marine Plastic Debris via Spectroscopic Techniques and Machine Learning Classifiers. 2020 , 54, 10630-10637	31
586	Microplastic selects for convergent microbiomes from distinct riverine sources. 2020 , 39, 281-291	9
585	Spatial distribution of microplastics around an inhabited coral island in the Maldives, Indian Ocean. 2020 , 748, 141263	25
584	Airborne emissions of microplastic fibres from domestic laundry dryers. 2020 , 747, 141175	45
583	Mapping ecological impact of microplastics on freshwater habitat in the central region of Ghana: a case study of River Akora. 2020 , 1	5
582	Application of confocal laser Raman spectroscopy on marine sediment microplastics. 2020 , 38, 1502-1516	7
581	Microplastics in corals: An emergent threat. 2020 , 161, 111810	19
580	Microplastics in Soils and Sediment: Sources, Methodologies, and Interactions with Microorganisms. 2020 , 1-31	
579	Exponential increase of plastic burial in mangrove sediments as a major plastic sink. 2020 , 6,	71
578	Effects of microplastics and nanoplastics on marine environment and human health. 2020 , 27, 44743-44756	41
577	Microplastics in Ecosystems: From Current Trends to Bio-Based Removal Strategies. 2020 , 25,	10
576	Profiling the Vertical Transport of Microplastics in the West Pacific Ocean and the East Indian Ocean with a Novel in Situ Filtration Technique. 2020 , 54, 12979-12988	24
575	Direkte Mikro- und Makroplastiktransportmessungen an großen und mittleren Flüssen sowie im Ablauf von Kläranlagen. 2020 , 72, 394-402	1
574	A Practical Overview of Methodologies for Sampling and Analysis of Microplastics in Riverine Environments. 2020 , 12, 6755	39
573	Microplastics removal in wastewater treatment plants: a critical review. 2020 , 6, 2664-2675	50

572	Validation of Sample Preparation Methods for Microplastic Analysis in Wastewater Matrices Reproducibility and Standardization. 2020 , 12, 2445	27
571	Microplastics pollution in China water ecosystems: a review of the abundance, characteristics, fate, risk and removal. 2020 , 82, 1495-1508	6
570	Spatial and Temporal Distribution of Chemically Characterized Microplastics within the Protected Area of Pelagos Sanctuary (NW Mediterranean Sea): Focus on Natural and Urban Beaches. 2020 , 12, 3389	10
569	A highly efficient multi-step methodology for the quantification of micro-(bio)plastics in sludge. 2021 , 39, 956-965	2
568	Seafloor microplastic hotspots controlled by deep-sea circulation. 2020 , 368, 1140-1145	212
567	Microplastics in sediments from an interconnected river-estuary region. 2020 , 729, 139025	33
566	Adverse physiological and molecular level effects of polystyrene microplastics on freshwater microalgae. 2020 , 255, 126914	39
565	You Are What You Eat, Microplastics in Porbeagle Sharks From the North East Atlantic: Method Development and Analysis in Spiral Valve Content and Tissue. 2020 , 7,	8
564	Global distribution of microplastics and its impact on marine environment-a review. 2020 , 27, 25970-25986	76
563	Environmental Biotechnology Vol. 1. 2020 ,	
562	Are anthropogenic fibres a real problem for red mullets (<i>Mullus barbatus</i>) from the NW Mediterranean?. 2020 , 733, 139336	7
561	Assessment of Microplastic Pollution in a Crater Lake at High Altitude: a Case Study in an Urban Crater Lake in Erzurum, Turkey. 2020 , 231, 1	6
560	Microplastics in Mediterranean coastal area: toxicity and impact for the environment and human health. 2020 , 27, e00090	50
559	Microplastic pollution in coastal sediments of the northern Tyrrhenian Sea, Italy: microplastics and fly-ash occurrence and distribution. 2020 , 241, 106819	13
558	Microplastics in the marine environment: A review of their sources, distribution processes, uptake and exchange in ecosystems. 2020 , 2, 100010	57
557	Deep-Sea Debris in the Central and Western Pacific Ocean. 2020 , 7,	9
556	Microplastics in wild freshwater fish of different feeding habits from Beijiang and Pearl River Delta regions, south China. 2020 , 258, 127345	34
555	Standardized protocols for microplastics determinations in environmental samples from the Gulf and marginal seas. 2020 , 158, 111374	19

554	Microplastics as contaminants in freshwater environments: A multidisciplinary review. 2020 , 20, 333-345	19
553	Critical Review of Processing and Classification Techniques for Images and Spectra in Microplastic Research. 2020 , 74, 989-1010	57
552	First quantification of semi-crystalline microplastics in industrial wastewaters. 2020 , 258, 127388	23
551	Abundance and removal characteristics of microplastics at a wastewater treatment plant in Zhengzhou. 2020 , 27, 36295-36305	14
550	Characteristics and Sinking Behavior of Typical Microplastics Including the Potential Effect of Biofouling: Implications for Remediation. 2020 , 54, 8668-8680	53
549	Removal of microplastics from the environment. A review. 2020 , 18, 807-828	125
548	Benthic Crustacean Digestion Can Modulate the Environmental Fate of Microplastics in the Deep Sea. 2020 , 54, 4886-4892	53
547	Passive and Active Removal of Marine Microplastics by a Mushroom Coral (<i>Danafungia scruposa</i>). 2020 , 7,	30
546	Types, occurrence and distribution of microplastics in sediments from the northern Tyrrhenian Sea. 2020 , 153, 111016	25
545	Spatiotemporal distribution, source identification and inventory of microplastics in surface sediments from Sanggou Bay, China. 2020 , 723, 138064	24
544	Macro-, meso- and microplastic debris in the beaches of Tuticorin district, Southeast coast of India. 2020 , 154, 111055	45
543	Microplastic pollution in intertidal sediments along the coastline of China. <i>Environmental Pollution</i> , 2020 , 263, 114428	9.3 10
542	Fibers spreading worldwide: Microplastics and other anthropogenic litter in an Arctic freshwater lake. 2020 , 722, 137904	74
541	Occurrence of Microplastic in surface water of Jatiluhur Reservoir. 2020 , 148, 07004	6
540	Critical Assessment of Analytical Methods for the Harmonized and Cost-Efficient Analysis of Microplastics. 2020 , 74, 1012-1047	97
539	A review of possible pathways of marine microplastics transport in the ocean. 2020 , 3, 6-13	27
538	Plastic intake does not depend on fish eating habits: Identification of microplastics in the stomach contents of fish on an urban beach in Brazil. 2020 , 153, 110959	20
537	Microplastic pollution in a rapidly changing world: Implications for remote and vulnerable marine ecosystems. 2020 , 738, 140349	43

536	Source, occurrence, migration and potential environmental risk of microplastics in sewage sludge and during sludge amendment to soil. 2020 , 742, 140355	40
535	Label-Free Electrochemical Detection of Dibenzofuran Using MnO ₂ Nanofibres. 2020 , 20, 12537-12542	1
534	Microplastics in the marine environment: a literature review and northeast England case study. 2020 , 34, 489-505	5
533	The fate of microplastic in marine sedimentary environments: A review and synthesis. 2020 , 158, 111398	79
532	Plastic Ingestion in Sardines (<i>Sardinops sagax</i>) From Frenchman Bay, Western Australia, Highlights a Problem in a Ubiquitous Fish. 2020 , 7,	8
531	Synthetic Microfiber and Microbead Exposure and Retention Time in Model Aquatic Species Under Different Exposure Scenarios. 2020 , 8,	13
530	Microplastics in the environment: Interactions with microbes and chemical contaminants. 2020 , 743, 140518	117
529	Microplastic accumulation by tube-dwelling, suspension feeding polychaetes from the sediment surface: A case study from the Norwegian Continental Shelf. 2020 , 161, 105073	16
528	Freshwater insects of different feeding guilds ingest microplastics in two Gulf of Guinea tributaries in Nigeria. 2020 , 27, 33373-33379	26
527	The evolution of submarine slope-channel systems: Timing of incision, bypass, and aggradation in Late Cretaceous Nanaimo Group channel-system strata, British Columbia, Canada. 2020 , 16, 281-296	9
526	Sinking of microbial-associated microplastics in natural waters. 2020 , 15, e0228209	20
525	Distribution, abundance and risks of microplastics in the environment. 2020 , 249, 126059	64
524	Baseline analysis of metal(loid)s on microplastics collected from the Australian shoreline using citizen science. 2020 , 152, 110914	24
523	Microplastic accumulation in benthic invertebrates in Terra Nova Bay (Ross Sea, Antarctica). 2020 , 137, 105587	60
522	Single-Pot Method for the Collection and Preparation of Natural Water for Microplastic Analyses: Microplastics in the Mississippi River System during and after Historic Flooding. 2020 , 39, 986-995	18
521	Occurrence and distribution of microplastics in surface sediments from the Gulf of Thailand. 2020 , 152, 110916	25
520	Degradable sugar-based magnetic hybrid nanoparticles for recovery of crude oil from aqueous environments. 2020 , 11, 4895-4903	9
519	Do different habits affect microplastics contents in organisms? A trait-based analysis on salt marsh species. 2020 , 153, 110983	28

518	Organic pollutants in sedimentary microplastics from eastern Guangdong: Spatial distribution and source identification. 2020 , 193, 110356		28
517	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
516	Separation, characterization and identification of microplastics and nanoplastics in the environment. 2020 , 721, 137561		80
515	Plastic abundance and seasonal variation on the shorelines of three volcanic lakes in Central Italy: can amphipods help detect contamination?. 2020 , 27, 14711-14722		11
514	Microplastics in the commercial seaweed nori. 2020 , 388, 122060		65
513	The influence of micro plastic to Chlorella growth in difference aquatic systems. 2020 ,		
512	Polystyrene nanoplastic induces ROS production and affects the MAPK-HIF-1/NFkB-mediated antioxidant system in Daphnia pulex. 2020 , 220, 105420		72
511	The physical oceanography of the transport of floating marine debris. 2020 , 15, 023003		186
510	Distribution, abundance, and diversity of microplastics in the upper St. Lawrence River. <i>Environmental Pollution</i> , 2020 , 260, 113994	9-3	44
509	The way of microplastic through the environment - Application of the source-pathway-receptor model (review). 2020 , 713, 136584		77
508	Optical transmission spectra study in visible and near-infrared spectral range for identification of rough transparent plastics in aquatic environments. 2020 , 248, 126071		11
507	Microplastic fragment and fiber contamination of beach sediments from selected sites in Virginia and North Carolina, USA. 2020 , 151, 110869		35
506	The rapid increases in microplastics in urban lake sediments. 2020 , 10, 848		31
505	Microplastics in aquatic environments: Toxicity to trigger ecological consequences. <i>Environmental Pollution</i> , 2020 , 261, 114089	9-3	143
504	Agricultural plastic mulching as a source of microplastics in the terrestrial environment. <i>Environmental Pollution</i> , 2020 , 260, 114096	9-3	195
503	Microplastic abundance, distribution and composition in the mid-west Pacific Ocean. <i>Environmental Pollution</i> , 2020 , 264, 114125	9-3	47
502	Plastic pollution on eight beaches of Tenerife (Canary Islands, Spain): An annual study. 2020 , 151, 110847		29
501	Periphytic biofilm: An innovative approach for biodegradation of microplastics. 2020 , 717, 137064		59

500	Pollution Characteristics of Microplastics in Soils in Southeastern Suburbs of Baoding City, China. 2020 , 17,	30
499	Rainfall is a significant environmental factor of microplastic pollution in inland waters. 2020 , 732, 139065	55
498	Proceedings of the 2nd International Conference on Microplastic Pollution in the Mediterranean Sea. 2020 ,	2
497	Identification and Characterization Methods for Microplastics Basing on Spatial Imaging in Micro-/Nanoscales. 2020 , 25-37	6
496	Sustainability in the Textile and Apparel Industries. 2020 ,	2
495	The geography and geology of plastics. 2020 , 33-63	4
494	Impact of microplastics on microbial community in sediments of the Huangjinxia Reservoir-water source of a water diversion project in western China. 2020 , 253, 126740	28
493	Effects of polystyrene microplastics on larval development, settlement, and metamorphosis of the intertidal barnacle <i>Amphibalanus amphitrite</i> . 2020 , 194, 110362	14
492	Clustering of inertial spheres in evolving Taylor-Green vortex flow. 2020 , 32, 043306	9
491	Microplastics in aquatic environment: characterization, ecotoxicological effect, implications for ecosystems and developments in South Africa. 2020 , 27, 22271-22291	13
490	Plastic Debris in the Marine Environment: History and Future Challenges. 2020 , 4, 1900081	45
489	Polystyrene microplastics (PS-MPs) toxicity induced oxidative stress and intestinal injury in nematode <i>Caenorhabditis elegans</i> . 2020 , 726, 138679	51
488	Application of a Hybrid Fusion Classification Process for Identification of Microplastics Based on Fourier Transform Infrared Spectroscopy. 2020 , 74, 1167-1183	8
487	Occurrence and distribution of microplastics and polychlorinated biphenyls in sediments from the Qiantang River and Hangzhou Bay, China. 2020 , 196, 110536	40
486	Abundance and distribution of small microplastics (B ₁₀) in sediments and seaworms from the Southern Mediterranean coasts and characterisation of their potential harmful effects. <i>Environmental Pollution</i> , 2020 , 263, 114634	9-3 34
485	Physical characterization of litter and microplastic along the urban coast of Cagayan de Oro in Macajalar Bay, Philippines. 2020 , 154, 111083	15
484	Microplastic accumulation in deep-sea sediments from the Rockall Trough. 2020 , 154, 111092	66
483	Limited long-distance transport of plastic pollution by the Orange-Vaal River system, South Africa. 2020 , 727, 138653	31

482	Outlook and overview of microplastics pollution in ecological environment. 2020 , 143, 02027		0
481	Research progress in sources, analytical methods, eco-environmental effects, and control measures of microplastics. 2020 , 254, 126790		78
480	Tsunami-triggered dispersal and deposition of microplastics in marine environments and their use in dating recent turbidite deposits. 2021 , 501, 381-390		3
479	Spatial distribution and habitat characterization of marine animal forest assemblages along nine submarine canyons of Eastern Sardinia (central Mediterranean Sea). 2021 , 167, 103422		6
478	Biodegradable plastic mulches: Impact on the agricultural biotic environment. 2021 , 750, 141228		48
477	Policy Framework for Mitigating Land-based Marine Plastic Pollution in the Gangetic Delta Region of Bay of Bengal- A review. 2021 , 278, 123409		20
476	Estimation of microplastics in sediments at the southernmost coast of India (Kanyakumari). 2021 , 28, 18495-18500		8
475	Thermochemical conversion of plastic waste to fuels: a review. 2021 , 19, 123-148		68
474	An audit of microplastic abundance throughout three Australian wastewater treatment plants. 2021 , 263, 128294		57
473	Microplastics accumulate to thin layers in the stratified Baltic Sea. <i>Environmental Pollution</i> , 2021 , 268, 115700	9.3	21
472	Microplastics accumulation in sediments and <i>Periophthalmus waltoni</i> fish, mangrove forests in southern Iran. 2021 , 264, 128543		18
471	Linking effects of microplastics to ecological impacts in marine environments. 2021 , 264, 128541		44
470	Effects of anthropogenic discharge and hydraulic deposition on the distribution and accumulation of microplastics in surface sediments of a typical seagoing river: The Haihe River. 2021 , 404, 124180		22
469	Seasonal variation and risk assessment of microplastics in surface water of the Manas River Basin, China. 2021 , 208, 111477		28
468	The gut retention time of microplastics in barnacle naupliar larvae from different climatic zones and marine habitats. <i>Environmental Pollution</i> , 2021 , 268, 115865	9.3	10
467	Seasonal variability in the distribution of microplastics in the coastal ecosystems and in some commercially important fishes of the Gulf of Mannar and Palk Bay, Southeast coast of India. 2021 , 41, 101558		7
466	Full size microplastics in crab and fish collected from the mangrove wetland of Beibu Gulf: Evidences from Raman Tweezers (1-20 μm) and spectroscopy (20-5000 μm). 2021 , 759, 143504		16
465	Potential human health risks due to environmental exposure to nano- and microplastics and knowledge gaps: A scoping review. 2021 , 757, 143872		103

464	Recommended best practices for collecting, analyzing, and reporting microplastics in environmental media: Lessons learned from comprehensive monitoring of San Francisco Bay. 2021 , 409, 124770		26
463	The dynamics of plastic pellets on sandy beaches: A new methodological approach. 2021 , 163, 105219		6
462	Separation and identification of microplastics in marine organisms by TGA-FTIR-GC/MS: A case study of mussels from coastal China. <i>Environmental Pollution</i> , 2021 , 272, 115946	9.3	22
461	Plastics in marine ecosystem: A review of their sources and pollution conduits. 2021 , 41, 101539		8
460	Systematic identification of microplastics in abyssal and hadal sediments of the Kuril Kamchatka trench. <i>Environmental Pollution</i> , 2021 , 269, 116095	9.3	22
459	A Polar outlook: Potential interactions of micro- and nano-plastic with other anthropogenic stressors. 2021 , 754, 142379		11
458	Methods for separating microplastics from complex solid matrices: Comparative analysis. 2021 , 409, 124640		25
457	Biosecurity implications of drifting marine plastic debris: Current knowledge and future research. 2021 , 162, 111835		14
456	Scientific studies on microplastics pollution in Iran: An in-depth review of the published articles. 2021 , 162, 111901		15
455	Pollution by anthropogenic microfibers in North-West Mediterranean Sea and efficiency of microfiber removal by a wastewater treatment plant. 2021 , 758, 144195		12
454	Distribution and removal characteristics of microplastics in different processes of the leachate treatment system. 2021 , 120, 240-247		11
453	Global challenges in microplastics: From fundamental understanding to advanced degradations toward sustainable strategies. 2021 , 267, 129275		12
452	The biological plastic pump: Evidence from a local case study using blue mussel and infaunal benthic communities. <i>Environmental Pollution</i> , 2021 , 274, 115825	9.3	3
451	Why analysing microplastics in floodplains matters: application in a sedimentary context. 2021 , 23, 117-131		9
450	To what extent are we really free from airborne microplastics?. 2021 , 754, 142118		12
449	Plastic in the Aquatic Environment: Interactions with Microorganisms. 2021 , 197		2
448	Microplastic Pollution in Water. 2021 , 1-44		
447	Microbial Degradation of Marine Plastics: Current State and Future Prospects. 2021 , 111-154		2

- 446 Encyclopedia of Ocean Engineering. **2021**, 1-6
- 445 Characterization of microplastics and anthropogenic fibers in surface waters of the North Saskatchewan River, Alberta, Canada. **2021**, 6, 26-43 10
- 444 Sustainable Plastic and Corporate Social Responsibility. **2021**, 333-353 1
- 443 Deep-sea plastisphere: long-term colonization by plastic-associated bacterial and archaeal communities in the Southwest Atlantic Ocean.
- 442 Life Below Water. **2021**, 1-14
- 441 Microplastic in Commercial Fish in the Mediterranean Sea, the Red Sea and the Arabian Gulf. Part 1: The Mediterranean Sea. **2021**, 13, 563-587 3
- 440 Hazards of Microplastic in Oceanic Environment: An Assessment. **2021**, 317-326
- 439 Emerging Contaminants: Analysis, Aquatic Compartments and Water Pollution. **2021**, 1-111 2
- 438 Bibliometrics and visualization analysis regarding research on the development of microplastics. **2021**, 28, 8953-8967 7
- 437 The origin of microplastics of offshore discharge: A review in assessing the relationship between microplastics content and other contaminants. **2021**, 308, 01013
- 436 Microplastics in the Freshwater Environment. **2021**,
- 435 Plastics and the microbiome: impacts and solutions. **2021**, 16, 2 32
- 434 Microplastics in the Marine Environment: Sources, Fates, Impacts and Microbial Degradation. **2021**, 9, 17
- 433 Abundance and characteristics of microplastics in sediments from the world's longest natural beach, Cox's Bazar, Bangladesh. **2021**, 163, 111956 12
- 432 A review of microplastic distribution in sediment profiles. **2021**, 163, 111973 32
- 431 Efficacy of Microplastic Separation Techniques on Seawater Samples: Testing Accuracy Using High-Density Polyethylene. **2021**, 240, 52-66 4
- 430 Micro and Nanoplastics Identification: Classic Methods and Innovative Detection Techniques.. **2021**, 3, 636640 18
- 429 Detection and removal of microplastics in wastewater: evolution and impact. **2021**, 28, 16925-16947 46

428	Micro and Nanoplastics analysis: Focus on their classification, sources, and impacts in marine environment. 2021 , 42, 101625		9
427	Perfluorooctane sulfonic acid (PFOS) adsorbed to polyethylene microplastics: Accumulation and ecotoxicological effects in the clam <i>Scrobicularia plana</i> . 2021 , 164, 105249		15
426	Spectral reflectance of marine macroplastics in the VNIR and SWIR measured in a controlled environment. 2021 , 11, 5436		13
425	A Review of Analytical Methods Used in Microplastics Quantification. 2021 , 665, 012064		2
424	Sinking microplastics in the water column: simulations in the Mediterranean Sea. 2021 , 17, 431-453		13
423	The influence of depositional environment on the abundance of microplastic pollution on beaches in the Bristol Channel, UK. 2021 , 164, 111997		12
422	Microplastics in Soils: An Environmental Geotechnics Perspective. 1-30		20
421	Microplastics in Surface Waters and Sediments from Guangdong Coastal Areas, South China. 2021 , 13, 2691		9
420	A novel approach based on multiple fish species and water column compartments in assessing vertical microlitter distribution and composition. <i>Environmental Pollution</i> , 2021 , 272, 116419	9-3	6
419	Occurrence and removal of microplastics in wastewater treatment plants and drinking water purification facilities: A review. 2021 , 410, 128381		16
418	Assessing the Conversion of Various Nylon Polymers in the Hydrothermal Liquefaction of Macroalgae. 2021 , 8, 34		5
417	Quantitative evaluation of microplastics in colonies of <i>Phragmatopoma caudata</i> Krøyer in M ² Ch, 1863 (Polychaeta-Sabellariidae): Analysis in sandcastles and tissues and identification via Raman spectroscopy. 2021 , 165, 112127		2
416	Photochemical Degradation of Organic Matter in the Atmosphere. 2021 , 5, 2100027		4
415	Sediment trapping - An attempt to monitor temporal variation of microplastic flux rates in aquatic systems. <i>Environmental Pollution</i> , 2021 , 274, 116568	9-3	7
414	Microplastics in the Aquatic Environment: Occurrence, Persistence, Analysis, and Human Exposure. 2021 , 13, 973		21
413	Development of an adverse outcome pathway for nanoplastic toxicity in <i>Daphnia pulex</i> using proteomics. 2021 , 766, 144249		20
412	Dynamic flows of polyethylene terephthalate (PET) plastic in China. 2021 , 124, 273-282		11
411	Integrated User-Oriented Service for 3D Printing Environments with Recycled Material from Maritime Plastic Waste. 2021 , 11, 3787		2

410	Biological and ecological traits of <i>Bathynomus giganteus</i> and <i>Bathynomus miyarei</i> (Crustacea: Isopoda): Contribution to the conservation of deep-sea in southern Brazil. 2021 , 31, 2084-2094	1
409	Distributions, temporal trends and ecological risks of polyethylene terephthalate (PET) and di-(2-ethylhexyl) phthalate (DEHP) in sediments of Jiaozhou Bay, China. 2021 , 165, 112176	6
408	An ecotoxicological approach to microplastics on terrestrial and aquatic organisms: A systematic review in assessment, monitoring and biological impact. 2021 , 84, 103615	15
407	Response of sediment-dwelling bivalves to microplastics and its potential implications for benthic processes. 2021 , 769, 144302	6
406	Microplastics contamination in the surface water of the Yangtze River from upstream to estuary based on different sampling methods. 2021 , 196, 110908	14
405	Microplastics impair olfactory-mediated behaviors of goldfish <i>Carassius auratus</i> . 2021 , 409, 125016	15
404	Microplastic pollution and quantitative source apportionment in the Jiangsu coastal area, China. 2021 , 166, 112237	9
403	Responses of Southern Ocean Seafloor Habitats and Communities to Global and Local Drivers of Change. 2021 , 8,	7
402	Nanomechanical Molecular Mass Sensing Using Suspended Microchannel Resonators. 2021 , 21,	2
401	Considerations on salts used for density separation in the extraction of microplastics from sediments. 2021 , 166, 112216	18
400	Microplastics in the Mediterranean Sea: Sources, Pollution Intensity, Sea Health, and Regulatory Policies. 2021 , 8,	9
399	Microplastic pollution in wild commercial nekton from the South China Sea and Indian Ocean, and its implication to human health. 2021 , 167, 105295	5
398	Geology, environment, and life in the deepest part of the world's oceans. 2021 , 2, 100109	5
397	Baseline Study on Microplastics in Indian Rivers under Different Anthropogenic Influences. 2021 , 13, 1648	10
396	Microplastics in the Aquatic Environment: The Occurrence, Sources, Ecological Impacts, Fate, and Remediation Challenges. 2021 , 1, 95-118	6
395	Strategic disposal of flood debris via CO-assisted catalytic pyrolysis. 2021 , 412, 125242	3
394	Microplastics as a sedimentary component in reef systems: A case study from the Java Sea. 2021 , 68, 2270-2292	4
393	The fate of plastic litter within estuarine compartments: An overview of current knowledge for the transboundary issue to guide future assessments. <i>Environmental Pollution</i> , 2021 , 279, 116908	9.3 16

392	Microplastics particles in seafloor sediments along the Arabian Sea and the Andaman Sea continental shelves: First insight on the occurrence, identification, and characterization. 2021 , 167, 112311		4
391	Current Progress on Marine Microplastics Pollution Research: A Review on Pollution Occurrence, Detection, and Environmental Effects. 2021 , 13, 1713		4
390	A review of human and animals exposure to polycyclic aromatic hydrocarbons: Health risk and adverse effects, photo-induced toxicity and regulating effect of microplastics. 2021 , 773, 145403		46
389	Plastics as an Educational Resource for Sustainable Development: A Case Study in Ghana. 2021 , 13, 6727		
388	Assessment of plastic pollution in the Bohai Sea: Abundance, distribution, morphological characteristics and chemical components. <i>Environmental Pollution</i> , 2021 , 278, 116874	9.3	4
387	Transgenerational neurotoxicity of polystyrene microplastics induced by oxidative stress in <i>Caenorhabditis elegans</i> . 2021 , 272, 129642		15
386	Label-free identification and differentiation of different microplastics using phasor analysis of fluorescence lifetime imaging microscopy (FLIM)-generated data. 2021 , 342, 109466		2
385	Evaluation of microplastics ingested by sea cucumber <i>Stichopus horrens</i> in Pulau Pangkor, Perak, Malaysia. 2021 , 28, 61592-61600		4
384	Microplastic Fiber Emissions From Wastewater Effluents: Abundance, Transport Behavior and Exposure Risk for Biota in an Arctic Fjord. 2021 , 9,		7
383	Accumulation and potential for transport of microplastics in stormwater drains into marine environments, Perth region, Western Australia. 2021 , 168, 112362		7
382	Eating Near the Dump: Identification of Nearby Plastic Hotspot as a Proxy for Potential Microplastic Contamination in the Norwegian Lobster (<i>Nephrops norvegicus</i>). 2021 , 8,		4
381	Highlights from a review of microplastics in marine sediments. 2021 , 777, 146225		10
380	A comprehensive review on assessment of plastic debris in aquatic environment and its prevalence in fishes and other aquatic animals in India. 2021 , 779, 146421		8
379	How do humans recognize and face challenges of microplastic pollution in marine environments? A bibliometric analysis. <i>Environmental Pollution</i> , 2021 , 280, 116959	9.3	6
378	The Marine Debris Nexus. 2021 , 83-101		0
377	Occurrence and abundance of poly- and perfluoroalkyl substances (PFASs) on microplastics (MPs) in Pearl River Estuary (PRE) region: Spatial and temporal variations. <i>Environmental Pollution</i> , 2021 , 281, 117025	9.3	8
376	Salt marsh sediments act as sinks for microplastics and reveal effects of current and historical land use changes. 2021 , 4, 100060		5
375	Microplastics pollution in the sediments of creeks and estuaries of Kenya, western Indian Ocean. 2021 , 43, 337-352		2

374	Ecotoxicological effects of microplastics on aquatic organisms: a review. 2021 , 28, 44716-44725	8
373	Structural and Functional Characteristics of Microplastic Associated Biofilms in Response to Temporal Dynamics and Polymer Types. 2021 , 107, 633-639	2
372	Underwater hyperspectral imaging for in situ underwater microplastic detection. 2021 , 776, 145960	8
371	Spatial distribution of microplastics in the superficial sediment of a mangrove in Southeast Brazil: A comparison between fringe and basin. 2021 , 784, 146963	8
370	Quantification of tire wear particles in road dust from industrial and residential areas in Seoul, Korea. 2021 , 784, 147177	10
369	Microplastic pollution of Calicut beach - Contributing factors and possible impacts. 2021 , 169, 112492	4
368	Chemical Analysis of Microplastics and Nanoplastics: Challenges, Advanced Methods, and Perspectives. 2021 , 121, 11886-11936	51
367	Microplastics in polar regions: An early warning to the world's pristine ecosystem. 2021 , 784, 147149	18
366	Seasonal variation of diversity, weathering, and inventory of microplastics in coast and harbor sediments. 2021 , 781, 146610	11
365	Environmental Microplastic Particles vs. Engineered Plastic Microparticles-A Comparative Review. 2021 , 13,	1
364	Examining the dependence of macroplastic fragmentation on coastal processes (Chesapeake Bay, Maryland). 2021 , 169, 112510	4
363	Distribution and transport of microplastic and fine particulate organic matter in urban streams. 2021 , 31, e02429	1
362	Microplastics in four bivalve species and basis for using bivalves as bioindicators of microplastic pollution. 2021 , 782, 146830	21
361	Distinct profile of bacterial community and antibiotic resistance genes on microplastics in Ganjiang River at the watershed level. 2021 , 200, 111363	8
360	Microplastics Origin, distribution, and rising hazard to aquatic organisms and human health: Socio-economic insinuations and management solutions. 2021 , 102018	2
359	Potassium carbonate (KCO) - A cheap, non-toxic and high-density floating solution for microplastic isolation from beach sediments. 2021 , 170, 112618	2
358	Determination of nano and microplastic particles in hypersaline lakes by multiple methods. 2021 , 193, 668	3
357	Microplastic pollution in show cave sediments: First evidence and detection technique. <i>Environmental Pollution</i> , 2022 , 292, 118261	9-3 3

356	Ingestion of microplastics by the estuarine polychaete, <i>Namalycastis</i> sp. in the Setiu Wetlands, Malaysia. 2021 , 170, 112617	6
355	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
354	Conceptions of university students on microplastics in Germany. 2021 , 16, e0257734	0
353	Screening and Quantification of Micro(Nano)Plastics and Plastic Additives in the Seawater of Mar Menor Lagoon. 2021 , 8,	3
352	The potential of aerial insectivores for monitoring microplastics in terrestrial environments. 2022 , 807, 150453	2
351	Distribution Patterns of Floating Microplastics in Open and Coastal Waters of the Eastern Mediterranean Sea (Ionian, Aegean, and Levantine Seas). 2021 , 8,	5
350	Prioritizing Suitable Quality Assurance and Control Standards to Reduce Laboratory Airborne Microfibre Contamination in Sediment Samples. 2021 , 8, 89	3
349	Distribution of seafloor litter and its interaction with benthic organisms in deep waters of the Ligurian Sea (Northwestern Mediterranean). 2021 , 788, 147745	10
348	Marine Microplastics in Polar Region – Spitsbergen Case Study. 2021 , 232, 1	1
347	Organ-on-a-chip platforms for evaluation of environmental nanoparticle toxicity. 2021 , 6, 2801-2819	15
346	Potential microplastics impacts on African fishing resources. 2022 , 806, 150671	2
345	Questioning the suitability of available microplastics models for risk assessment - A critical review. 2021 , 788, 147670	10
344	Sensitive and rapid detection of trace microplastics concentrated through Au-nanoparticle-decorated sponge on the basis of surface-enhanced Raman spectroscopy. 2021 , 5, 100096	6
343	Assessment of microplastics in oysters in coastal areas of Taiwan. <i>Environmental Pollution</i> , 2021 , 286, 117437	9.3 8
342	Microplastics contamination in pearl-farming lagoons of French Polynesia. 2021 , 419, 126396	4
341	Comprehensive assessment of factors influencing Nile red staining: Eliciting solutions for efficient microplastics analysis. 2021 , 171, 112698	4
340	Microplastic contamination in edible sea salt from the largest salt-producing states of India. 2021 , 171, 112728	8
339	Assessing microplastic distribution within infaunal benthic communities in a coastal embayment. 2021 , 791, 148278	2

338	Beach morphodynamics and its relationship with the deposition of plastic particles: A preliminary study in southeastern Brazil. 2021 , 172, 112809	2
337	Characterization of microplastics in the water and sediment of Baram River estuary, Borneo Island. 2021 , 172, 112880	9
336	Fast and easy quantification of semi-crystalline microplastics in exemplary environmental matrices by differential scanning calorimetry (DSC). 2021 , 423, 129941	11
335	Field to laboratory comparison of metal accumulation on aged microplastics in coastal waters. 2021 , 797, 149108	6
334	Aging microplastics in wastewater pipeline networks and treatment processes: Physicochemical characteristics and Cd adsorption. 2021 , 797, 148940	4
333	Microplastics pollution in the intertidal limpet, <i>Nacella magellanica</i> , from Beagle Channel (Argentina). 2021 , 795, 148866	4
332	Deep-sea plastisphere: Long-term colonization by plastic-associated bacterial and archaeal communities in the Southwest Atlantic Ocean. 2021 , 793, 148335	9
331	Thin synthetic fibers sinking in still and convectively mixing water: laboratory experiments and projection to oceanic environment. <i>Environmental Pollution</i> , 2021 , 288, 117714	9-3 4
330	Sinking behavior of polystyrene microplastics after disinfection. 2022 , 427, 130908	5
329	Microplastics accumulation in functional feeding guilds and functional habit groups of freshwater macrobenthic invertebrates: Novel insights in a riverine ecosystem. 2022 , 804, 150207	9
328	Photodegradation of microplastics mediated by different types of soil: The effect of soil components. 2022 , 802, 149840	3
327	Distribution of microplastics in the sludge of wastewater treatment plants in Chengdu, China. 2022 , 287, 132357	7
326	Size-dependent adsorption of waterborne Benzophenone-3 on microplastics and its desorption under simulated gastrointestinal conditions. 2022 , 286, 131735	6
325	Microplastics as Pollutants in the Marine Environment. 2021 , 373-399	1
324	The Effect of Wastewater Treatment Plants on Retainment of Plastic Microparticles to Enhance Water Quality: A Review. 2021 , 12, 161-195	2
323	The concentration of microplastic in water and fish (<i>Gambusia affinis</i>) collected from Brantas River. 2021 ,	2
322	Degradation of Plastics Using Nanomaterials. 2021 , 2139-2151	1
321	Effects of anthropogenic activities on microplastics in deposit-feeders (Diptera: Chironomidae) in an urban river of Taiwan. 2021 , 11, 400	3

320	Microplastic risks in the seafood in terms of food safety and their research methods. 2021 , 4, 73-87	
319	Microplastics effect on the physicochemical parameters and interaction with spirulina platensis microalgae in Al-Dalmaj Marsh, Iraq. 2021 , 42, 2251-2258	1
318	Concerns and Threats of Contamination on Aquatic Ecosystems. 2020 , 1-26	31
317	Plastic and Microplastic Pollution: From Ocean Smog to Planetary Boundary Threats. 2020 , 229-240	3
316	Human Sphere—the Earth Surface Realm Created by Human. 2020 , 47-57	1
315	Aquatic/water environment contamination, treatment, and use. 2020 , 213-238	1
314	Microplastics distribution, abundance and composition in sediment, fishes and benthic organisms of the Gorgan Bay, Caspian sea. 2020 , 257, 127201	37
313	Occurrence, removal and potential threats associated with microplastics in drinking water sources. 2020 , 8, 104527	15
312	Abundance of plastic microbeads in Hong Kong coastal water. 2018 , 133, 500-505	28
311	Horizontal and vertical distribution of phthalates acid ester (PAEs) in seawater and sediment of East China Sea and Korean South Sea: Traces of plastic debris?. 2020 , 151, 110831	19
310	Occurrences and distribution of microplastic pollution and the control measures in China. 2020 , 153, 110963	33
309	The Anthropocene as a Geological Time Unit: A Guide to the Scientific Evidence and Current Debate. 2019 ,	63
308	Marine plastic pollution in the polar south: Responses from Antarctic Treaty System. 2020 , 56,	4
307	Plastic in Marine Litter. 2018 , 21-59	2
306	Microplastics in the Environment. 2018 , 60-81	8
305	Bioaccumulation and biomagnification of microplastics in marine organisms: A review and meta-analysis of current data. 2020 , 15, e0240792	79
304	Particle sources and transport in stratified Nordic coastal seas in the Anthropocene. 2018 , 6,	7
303	Plastic microbeads from cosmetic products: an experimental study of their hydrodynamic behaviour, vertical transport and resuspension in phytoplankton and sediment aggregates. 2018 , 6,	28

302	Evaluation of Marine Litter on the Marine Strategy Framework Directive and Current Status in the Black Sea. 104-115	3
301	Microplastics Pollution as an Invisible Potential Threat to Food Safety and Security, Policy Challenges and the Way Forward. 2020 , 17,	18
300	Pharmaceutical transforming microbes from wastewater and natural environments can colonize microplastics. 2020 , 7, 99-116	2
299	A new small device made of glass for separating microplastics from marine and freshwater sediments. 2019 , 7, e7915	15
298	Comparative role of microplastics and microalgae as vectors for chlorpyrifos bioaccumulation and related physiological and immune effects in mussels. 2021 , 807, 150983	2
297	Sophistication in a seemingly simple creature: a review of wild holothurian nutrition in marine ecosystems. 2021 ,	2
296	Proposal for an initial screening method for identifying microplastics in marine sediments. 2021 , 11, 20651	0
295	Microplastics in the Center of Mediterranean: Comparison of the Two Calabrian Coasts and Distribution from Coastal Areas to the Open Sea. 2021 , 18,	2
294	Microplastics removal strategies: A step toward finding the solution. 2022 , 16, 1	0
293	Microplastics in mangroves and coral reef ecosystems: a review. 2021 , 20, 1-20	8
292	Quantitively Analyzing the Variation of Micrometer-Sized Microplastic during Water Treatment with the Flow Cytometry-Fluorescent Beads Method.	0
291	Microplastic pollution in mountain terrains and foothills: A review on source, extraction, and distribution of microplastics in remote areas. 2021 , 207, 112232	1
290	Progress, prospects, and challenges in standardization of sampling and analysis of micro- and nano-plastics in the environment. 2021 , 325, 129321	5
289	Current status of studies on microplastics in the world's marine environments. 2021 , 327, 129394	2
288	Dropping the microbead: Source and sink related microplastic distribution in the Black Sea and Caspian Sea basins. 2021 , 173, 112982	2
287	Phylogenetic diversity of marine bacteria dependent on the port environment around the Ulleng Island. 2015 , 51, 312-317	
286	Low plastic ingestion rate in Atlantic Cod (<i>Gadus morhua</i>) from Newfoundland destined for human consumption collected through citizen science methods.	
285	The Origin and Fate of Microplastics in Saltmarshes. 2017 , 104	

284	Application of Novel Microbial Consortia for Environmental Site Remediation and Hazardous Waste Management Toward Low- and High-Density Polyethylene and Prioritizing the Cost-Effective, Eco-friendly, and Sustainable Biotechnological Intervention. 2018 , 1-48		
283	Microplastics as Contaminant in FreshWater Ecosystem: A Modern Environmental Issue. 2019 , 355-377		1
282	A retrospective analysis of scientific publications on the deep sea from 1987 to 2016. 2019 , 91, e20180414		
281	Categorization and definition of microplastics in the water environment. 2019 , 33, 429-436		0
280	Continental Slope and Submarine Canyons: Benthic Biodiversity and Human Impacts. 2020 , 37-72		0
279	Degradation of Plastics Using Nanomaterials. 2020 , 1-13		2
278	First evidence of microplastics in the Marine Protected Area Namuncurú at Burdwood Bank, Argentina: a study on <i>Henricia obesa</i> and <i>Odontaster penicillatus</i> (Echinodermata: Asteroidea). 2021 , 44, 2277		1
277	Distribution, characteristics and daily fluctuations of microplastics throughout wastewater treatment plants with mixed domestic/industrial influents in Wuxi City, China. 2022 , 16, 1		0
276	Editorial: Microplastics in the Mediterranean Sea. 2021 , 8,		0
275	Materials, surfaces, and interfacial phenomena in nanoplastics toxicology research. <i>Environmental Pollution</i> , 2022 , 292, 118442	9.3	4
274	Eelgrass (<i>Zostera marina</i>) and its epiphytic bacteria facilitate the sinking of microplastics in the seawater. <i>Environmental Pollution</i> , 2022 , 292, 118337	9.3	1
273	An assessment of micro- and nanoplastics in the biosphere: A review of detection, monitoring, and remediation technology. 2022 , 430, 132913		10
272	Microplastics: An Emerging Threat to the Aquatic Ecosystem. 2020 , 113-143		
271	A Geomorphic Framework for the Analysis of Microplastics in Riverine Sediments. 2020 , 202, 01002		1
270	Plastic Debris Flowing from Rivers to Oceans: The Role of the Estuaries as a Complex and Poorly Understood Key Interface. 2020 , 1-28		2
269	Mikroplastikler, Çevre Ve İnsan Sağlığına Etkileri Ve Analiz Yöntemleri.		1
268	Development of a Thermo Degradation Method to Assess Levels and Distribution of Microplastics in Marine Sediments and Its Application in Two Case Studies: The Northern Adriatic Sea (Italy) and Boknafjord (Norway). 2020 , 45-52		
267	Recycling of Marine Litter and Ocean Plastics: A Vital Sustainable Solution for Increasing Ecology and Health Problem. 2020 , 117-137		6

266	Sustainable Plastic and Corporate Social Responsibility. 2020 , 1-21	1
265	Marine Plastic Debris. 2020 , 94-121	0
264	Baseline characterisation of microlitter in the sediment of torrents and the sea bottom in the Gulf of Tigullio (NW Italy). 2020 , 35, 101119	2
263	Macrophytes: A Temporary Sink for Microplastics in Transitional Water Systems. 2021 , 13, 3032	3
262	Su Ortamdan Mikroplastik Giderimine Genel Bakış	
261	Microplastics in the environment and in commercially significant fishes of mud banks, an ephemeral ecosystem formed along the southwest coast of India. 2022 , 204, 112351	1
260	Microplastics in plant-microbes-soil system: A review on recent studies. 2021 , 151523	3
259	Trapping of Microplastics in Halocline and Turbidity Layers of the Semi-enclosed Baltic Sea. 8,	1
258	Potassium Carbonate (K ₂ CO ₃) A cheap, non-toxic and high-density floating solution for microplastic isolation from beach sediments.	1
257	Collection and Separation of Microplastics. 2021 , 1-24	
256	Microplastics pollution along the central Atlantic coastline of Morocco. 2021 , 174, 113190	4
255	Microplastics impact shell and pearl biomineralization of the pearl oyster <i>Pinctada fucata</i> . <i>Environmental Pollution</i> , 2021 , 293, 118522	9.3 2
254	Distributions of microplastics and larger anthropogenic debris in Norfolk Canyon, Baltimore Canyon, and the adjacent continental slope (Western North Atlantic Margin, U.S.A.). 2021 , 174, 113047	2
253	Combined effects of short term exposure to seawater acidification and microplastics on the early development of the oyster <i>Crassostrea rivularis</i> . 2022 , 549, 737746	0
252	PERBANDINGAN KANDUNGAN MIKROPLASTIK PADA KERANG DARAH DAN KERANG TAHU DARI PERAIRAN DESA BANYUURIP, GRESIK. 2021 , 17, 108-114	
251	The occurrence and abundance of microplastics in surface water of the midstream and downstream of the Cisadane River, Indonesia. 2021 , 291, 133071	3
250	Contamination of the marine environment in Egypt and Saudi Arabia with personal protective equipment during COVID-19 pandemic: A short focus. 2021 , 152046	5
249	Rethinking the relevance of microplastics as vector for anthropogenic contaminants: Adsorption of toxicants to microplastics during exposure in a highly polluted stream - Analytical quantification and assessment of toxic effects in zebrafish (<i>Danio rerio</i>). 2021 , 816, 151640	1

248	Microplastics in the Weddell Sea (Antarctica): A Forensic Approach for Discrimination between Environmental and Vessel-Induced Microplastics. 2021 , 55, 15900-15911	6
247	From model to nature - A review on the transferability of marine (micro-) plastic fragmentation studies. 2021 , 151389	3
246	The aging behaviors and release of microplastics: A review. 2021 ,	4
245	Effects of polystyrene microplastics on copper toxicity to the protozoan <i>Euglena gracilis</i> : emphasis on different evaluation methods, photosynthesis, and metal accumulation. 2021 , 1	0
244	Assessing microplastic exposure of large marine filter-feeders. 2021 , 818, 151815	1
243	Microplastics habituated with biofilm change decabrominated diphenyl ether degradation products and thyroid endocrine toxicity. 2021 , 228, 112991	3
242	Microplastics in Freshwater Riverine Systems: Brief Profile, Trophic-Level Transfer and Probable Remediation. 2022 , 103-126	
241	Microplastics Decrease the Toxicity of Sulfamethoxazole to Marine Algae (<i>Skeletonema Costatum</i>) at the Cellular and Molecular Levels.	
240	Microplastics in Intertidal Water of South Australia and the Mussel <i>Mytilus Spp.</i> ; the Contrasting Effect of Population on Concentration.	
239	Microplastic Occurrence in Deep-Sea Fish Species <i>Alepocephalus Bairdii</i> and <i>Coryphaenoides Rupestris</i> from the Porcupine Bank (North Atlantic).	
238	Identification and Quantification of Microplastics in Aquaculture Environment. 2022 , 8,	0
237	Plastics in the Indian Ocean Sources, transport, distribution, and impacts. 2022 , 18, 1-28	4
236	Physical and anthropogenic drivers shaping the spatial distribution of microplastics in the marine sediments of Chilean fjords.. 2021 , 152506	5
235	The contamination of microplastics in China's aquatic environment: Occurrence, detection and implications for ecological risk.. <i>Environmental Pollution</i> , 2021 , 118737	9.3 0
234	Methods for sampling, processing, identification, and quantification of microplastics in the marine environment. 2020 , 29, 129-151	3
233	Sediment Microplastics More from Upper Slopes than Upper Stream: Evidenced by Microplastic Compositions and Quantitative Morphological Properties.	
232	A review of atmospheric microplastics pollution: In-depth sighting of sources, analytical methods, physiognomies, transport and risks.. 2022 , 822, 153339	3
231	Methods and challenges in the detection of microplastics and nanoplastics: a mini-review.	3

230	Determination of the pharmaceuticals-nano/microplastics in aquatic systems by analytical and instrumental methods.. 2022 , 194, 93	2
229	A Mini-Review of Strategies for Quantifying Anthropogenic Activities in Microplastic Studies in Aquatic Environments.. 2022 , 14,	0
228	Microplastic Pollution in the Black Sea: An Overview of the Current Situation. 2022 , 167-186	1
227	Occurrence and Seasonal Variation of Microplastics in the Effluent from Wastewater Treatment Plants in Qingdao, China. 2022 , 10, 58	3
226	Global sources, abundance, size, and distribution of microplastics in marine sediments - A critical review. 2022 , 264, 107702	2
225	Occurrence and distribution of micro- and mesoplastics in the high-latitude nature reserve, northern China. 2022 , 16, 1	0
224	Sodium hypochlorite as an oxidizing agent for removal of soil organic matter before microplastics analyses.. 2021 ,	0
223	A Method for Sampling Microplastics and Extremophiles in the Stratosphere. 2022 ,	
222	Determination of polyorganosiloxanes (by silicon) in water by extraction high-resolution continuum source electrothermal atomic absorption spectrometry. 2022 , 88, 14-24	
221	Extraction, Enumeration, and Identification Methods for Monitoring Microplastics in the Aquatic Environment. 2022 , 21-66	2
220	Selection of a density separation solution to study microplastics in tropical riverine sediment.. 2022 , 194, 65	1
219	Occurrence of Microplastic Pollution in Marine Water. 2022 , 257-274	
218	Microplastics in the abyss: a first investigation into sediments at 2443-m depth (Toulon, France).. 2022 , 29, 9375	2
217	Micro-Nano Plastic in the Aquatic Environment: Methodological Problems and Challenges.. 2022 , 12,	1
216	Microplastic (MP) Pollution in the Context of Occurrence, Distribution, Composition and Concentration in Surface Waters and Sediments: A Global Overview. 2022 , 133-166	0
215	Potentially toxic elements and microplastics in muscle tissues of different marine species from the Persian Gulf: Levels, associated risks, and trophic transfer.. 2022 , 175, 113283	0
214	Flocculation with heterogeneous composition in water environments: A review.. 2022 , 213, 118147	3
213	New Opportunities and Untapped Scientific Potential in the Abyssal Ocean. 2022 , 8,	0

212	Occurrence of Microplastic Pollution in the Beibu Gulf, the Northern South China Sea. 2022 , 8,		0
211	Occurrence of microplastics (MPs) in the gastrointestinal tract of fishes: A global systematic review and meta-analysis and meta-regression.. 2022 , 815, 152743		8
210	Microplastic in the coral reef environments of the Gulf of Mannar, India - Characteristics, distributions, sources and ecological risks.. <i>Environmental Pollution</i> , 2022 , 118848	9.3	2
209	Spatial and vertical distribution of microplastics and their ecological risk in an Indian freshwater lake ecosystem.. 2022 , 153337		0
208	Microplastic concentration, distribution and dynamics along one of the largest Mediterranean-climate rivers: A whole watershed approach.. 2022 , 209, 112808		0
207	Ecotoxicological Impact of Plastic Waste on Marine Flora. 2022 , 257-286		
206	Mitigation of the Micro- and Nanoplastic Using Phycoremediation Technology. 2022 , 183-208		0
205	Degradation of Plastic Waste in the Marine Environment. 2022 , 143-174		
204	The impact of marine debris on cetaceans with consideration of plastics generated by the COVID-19 pandemic.. <i>Environmental Pollution</i> , 2022 , 118967	9.3	1
203	Fate of plastic in the environment: From macro to nano by macrofauna.. <i>Environmental Pollution</i> , 2022 , 118920	9.3	1
202	Mangrove forest: An important coastal ecosystem to intercept river microplastics.. 2022 , 210, 112939		0
201	Marine biofouling organisms on beached, buoyant and benthic plastic debris in the Catalan Sea.. 2022 , 175, 113405		1
200	Adsorption of Cu by UV aged polystyrene in aqueous solution.. 2022 , 232, 113292		1
199	Microbiome: A forgotten target of environmental micro(nano)plastics?. 2022 , 153628		1
198	Climate change influence on the levels and trends of persistent organic pollutants (POPs) and chemicals of emerging Arctic concern (CEACs) in the Arctic physical environment - a review.. 2022 ,		3
197	Microplastics in seawater and sediments—distribution and transport. 2022 , 31-73		
196	Plastic Debris Flowing from Rivers to Oceans: The Role of the Estuaries as a Complex and Poorly Understood Key Interface. 2022 , 253-280		
195	Microplastics in Polar Samples. 2022 , 281-322		0

194	Collection and Separation of Microplastics. 2022 , 33-56	
193	Microplastics in Soils and Sediment: Sources, Methodologies, and Interactions with Microorganisms. 2022 , 203-233	0
192	Anthropogenic microfibrils flux in an Antarctic coastal ecosystem: The tip of an iceberg?. 2022 , 175, 113388	0
191	Microplastics in the Mediterranean marine environment: a combined bibliometric and systematic analysis to identify current trends and challenges. 2022 , 2,	1
190	Chemical Recycling of Plastic Waste: Comparative Evaluation of Environmental and Economic Performances of Gasification- and Incineration-based Treatment for Lightweight Packaging Waste. 1	0
189	Evaluating the Effect of Chemical Digestion Treatments on Polystyrene Microplastics: Recommended Updates to Chemical Digestion Protocols. 2100485	2
188	3D-Printed Hierarchical Ceramic Architectures for Ultrafast Emulsion Treatment and Simultaneous Oil/Water Filtration. 2022 , 4, 740-750	2
187	Acute toxicity of bioplastic leachates to <i>Paracentrotus lividus</i> sea urchin larvae.. 2022 , 176, 105605	2
186	Distribution and environmental risk assessment of microplastics in continental shelf sediments in the southern East China Sea: A high-spatial-resolution survey.. 2022 , 177, 113548	0
185	Understanding health effects pathways and thresholds: filling a critical need to support microplastics management. 2022 , 2,	0
184	Polystyrene nanoplastics aggravated ecotoxicological effects of polychlorinated biphenyls in on zebrafish (<i>Danio rerio</i>) embryos. 2022 , 13, 101376	0
183	Automatic quantification and classification of microplastics in scanning electron micrographs via deep learning.. 2022 , 153903	2
182	Microplastics decrease the toxicity of sulfamethoxazole to marine algae (<i>Skeletonema costatum</i>) at the cellular and molecular levels.. 2022 , 824, 153855	1
181	Micro(nano)plastics pollution and human health: A carcinogenesis concern for humans.. 2022 , 134267	11
180	Microplastics in intertidal water of South Australia and the mussel <i>Mytilus</i> spp.; the contrasting effect of population on concentration.. 2022 , 831, 154875	0
179	Global transportation of plastics and microplastics: A critical review of pathways and influences.. 2022 , 154884	2
178	Evidence of Microplastic Size Impact on Mobility and Transport in the Marine Environment: A Review and Synthesis of Recent Research. 2021 , 8,	6
177	Depth Profiles of Microplastics in Sediment Cores from Two Mangrove Forests in Northern Vietnam. 2021 , 9, 1381	2

176	Environmental Impacts of Microplastics and Nanoplastics: A Current Overview.. 2021 , 12, 768297	9
175	Microplastics Pollution in Rivers. 2022 , 21-40	
174	The Role of Rivers in Microplastics Spread and Pollution. 2022 , 65-88	0
173	Female mosquito-a potential vector for transporting plastic residues to humans.. 2022 , 134666	1
172	A Meta-Analysis of the Characterisations of Plastic Ingested by Fish Globally.. 2022 , 10,	1
171	Microplastic occurrence in deep-sea fish species <i>Alepocephalus bairdii</i> and <i>Coryphaenoides rupestris</i> from the Porcupine Bank (North Atlantic).. 2022 , 155150	0
170	Data_Sheet_1.PDF. 2020 ,	
169	Data_Sheet_2.PDF. 2020 ,	
168	Table_1.docx. 2018 ,	
167	Data_Sheet_1.docx. 2020 ,	
166	Data_Sheet_1.PDF. 2020 ,	
165	Table_1.DOCX. 2020 ,	
164	Table_1.DOCX. 2020 ,	
163	Data_Sheet_1.DOCX. 2020 ,	
162	Data_Sheet_1.docx. 2019 ,	
161	Data_Sheet_2.docx. 2019 ,	
160	Data_Sheet_3.docx. 2019 ,	
159	Data_Sheet_4.docx. 2019 ,	

158	Data_Sheet_5.docx. 2019 ,		
157	Data_Sheet_1.docx. 2020 ,		
156	(Micro)plastics in aquatic systems: Current research focal areas, under-studied matrices, and future directions. 2022 , 103-119		
155	Seasonal evaluation of floating microplastics in a shallow Mediterranean coastal lagoon: Abundance, distribution, chemical composition, and influence of environmental factors. 2022 , 107859		1
154	Resin-based composite materials: elution and pollution.. 2022 , 232, 644-652		0
153	The effect of a polystyrene nanoplastic on the intestinal microbes and oxidative stress defense of the freshwater crayfish, <i>Procambarus clarkii</i> .. 2022 , 155722		1
152	Can we quantify the aquatic environmental plastic load from aquaculture?. 2022 , 219, 118551		8
151	Biphasic Magnetic Levitation to Detect Organic Pollutants on Microplastics.. 2022 ,		2
150	Microplastics distribution in bottom sediments of the Baltic Sea Proper. 2022 , 179, 113743		0
149	Marine Microplastics: Chemical, Physical, Biological, and Social Perspectives. 2022 , 607-620		
148	Comparison of Microplastic abundance in varying depths of deep-sea sediments, Bay of Bengal. 2022 ,		
147	Microplastic Identification in Fisheries Commodities in Sayung Waters, Demak. 2022 , 1, 1-7		
146	Potential Risks of Microplastic Fomites to Aquatic Organisms with Special Emphasis on Polyethylene-Microplastic-Glyphosate Exposure Case in Aquacultured Shrimp. 2022 , 12, 5135		0
145	Occurrence, analysis of microplastics in sewage sludge and their fate during composting: A literature review. 2022 , 317, 115364		2
144	Marine Litter, Plastic, and Microplastics on the Seafloor. 2022 , 151-197		0
143	Plastics in the Anthropocene. 2022 , 1-42		0
142	Global qualitative and quantitative distribution of micropollutants in the deep sea. <i>Environmental Pollution</i> , 2022 , 307, 119414	9.3	1
141	The Impact of Chlorination on the Tetracycline Sorption Behavior of Microplastics in Aqueous Solution.		

- 140 Microplastics and Nanoplastics in Aquatic Environment. **2022**, 71-89
- 139 Microplastic pollution in the surface water and sediments from Kallar Kahar wetland, Pakistan: occurrence, distribution, and characterization by ATR-FTIR. **2022**, 194, 1
- 138 A Review of Microplastic Pollution Characteristics in Global Urban Freshwater Catchments. **2022**, 28-48
- 137 Plastic Filtration and Decomposition According to Ricochet Filtering Mechanism Using *Ideonella sakaiensis*. 9,
- 136 First evidence of microplastics in Antarctic snow. **2022**, 16, 2127-2145 6
- 135 Simulation of the transport of marine microplastic particles in the Ionian Archipelago (NE Ionian Sea) using a Lagrangian model and the control mechanisms affecting their transport. **2022**, 437, 129349 2
- 134 Microplastics Pollution and its Potential Correlation between and Environmental Factors in Daya Bay, South China Sea.
- 133 Marine Protected Areas in Areas Beyond National Jurisdiction. **2022**, 981-986
- 132 Editorial: Marine Pollution - Emerging Issues and Challenges. 9, 0
- 131 Tide-driven microplastics transport in an elongated semi-closed bay: A case study in Xiangshan Bay, China. **2022**, 157374 0
- 130 Presence of microplastics in drinking water from different freshwater sources in Flanders (Belgium), an urbanized region in Europe. **2022**, 9, 0
- 129 Distribution characteristics of microplastics in urban rivers in Chengdu city: The influence of land-use type and population and related suggestions. **2022**, 157411 0
- 128 Comparative profiling and exposure assessment of microplastics in differently sized Manila clams from South Korea by FTIR and Nile Red staining. **2022**, 181, 113846 1
- 127 Airborne microplastic particle concentrations and characterization in indoor urban microenvironments. *Environmental Pollution*, **2022**, 308, 119707 9.3 0
- 126 A holistic assessment of microplastic ubiquitousness: Pathway for source identification in the environment. **2022**, 33, 113-145 0
- 125 Recent advances in the breakdown of microplastics: strategies and future perspectives. 0
- 124 Influence of Microplastics on Microbial Structure, Function, and Mechanical Properties of Stream Periphyton. 10,
- 123 Was passiert mit Plastik in der Umwelt?. **2022**, 27-41

122	Plastics are a new threat to Palau's coral reefs. 2022 , 17, e0270237	1
121	Review on the ecotoxicological impacts of plastic pollution on the freshwater invertebrate <i>Daphnia</i> .	2
120	Improved microplastic processing from complex biological samples using a customized vacuum filtration apparatus.	0
119	Abundance, Composition, and Potential Ecological Risks of Microplastics in Surface Water at Different Seasons in the Pearl River Delta, China. 2022 , 14, 2545	1
118	Microplastics found in the World Heritage Site Cocos Island National Park, Costa Rica. 2022 , 35,	
117	A Novel Impedimetric Sensor Based on Cyanobacterial Extracellular Polymeric Substances for Microplastics Detection.	1
116	Comparison of the combined toxicity of polystyrene microplastics and different concentrations of cadmium in zebrafish. 2022 , 250, 106259	0
115	Machine learning aided meta-analysis of microplastic polymer composition in global marine environment. 2022 , 440, 129801	0
114	The impact of chlorination on the tetracycline sorption behavior of microplastics in aqueous solution. 2022 , 849, 157800	1
113	Chronic toxic effects of polystyrene micro-plastics, DCOIT and their combination on marine <i>Chlorella</i> sp. 2022 , 261, 109426	0
112	Microplastic pollution in soils, plants, and animals: A review of distributions, effects and potential mechanisms. 2022 , 850, 157857	2
111	Presence and implications of plastics in wild commercial fishes in the Alboran Sea (Mediterranean Sea). 2022 , 850, 158025	
110	An inexpensive atmospheric microplastic collector for use in remote areas. 2022 , 13, 101550	0
109	Transport and accumulation of plastic particles on the varying sediment bed cover: Open-channel flow experiment. 2022 , 183, 114079	0
108	Impact of returning scientific cruises and prolonged on-site presence on litter abundance at the deep-sea nodule fields in the Peru Basin. 2022 , 184, 114162	0
107	Are sediment textural parameters an influencer of microplastics presence in beach environments?. 2022 , 184, 114125	0
106	Microplastics in ASEAN region countries: A review on current status and perspectives. 2022 , 184, 114118	0
105	No evidence of microplastic ingestion in emperor penguin chicks (<i>Aptenodytes forsteri</i>) from the Atka Bay colony (Dronning Maud Land, Antarctica). 2022 , 851, 158314	0

104	Semi-crystalline microplastics in wastewater plant effluents and removal efficiencies of post-treatment filtration systems. 2022 , 17, 100156	1
103	Polystyrene microplastics inhibit the neurodevelopmental toxicity of mercury in zebrafish (<i>Danio rerio</i>) larvae with size-dependent effects. 2022 , 314, 120216	0
102	Comprehensive analysis of spatial distribution of microplastics in Rawal Lake, Pakistan using trawl net and sieve sampling methods. 2022 , 308, 136111	2
101	Flow and stock accumulation of plastics in China: Patterns and drivers. 2022 , 852, 158513	0
100	Flows and waste reduction strategies of PE, PP, and PET plastics under plastic limit order in China. 2023 , 188, 106668	0
99	Climate change interaction with microplastics and nanoplastics pollution. 2023 , 387-403	0
98	A 75-year history of microplastic fragment accumulation rates in a semi-enclosed hypoxic basin. 2023 , 854, 158751	1
97	Occurrence of MPs and NPs in freshwater environment. 2023 , 125-150	0
96	Wie kann Plastik in der Umwelt untersucht werden?. 2022 , 79-94	0
95	Microplastics in aquatic systems, a comprehensive review: origination, accumulation, impact, and removal technologies. 2022 , 12, 28318-28340	2
94	Panacea for the Nanoplastic Surge in Africa: A Review of Production, Consumption, Impacts, Detection, Remediation, and Management Problems.	0
93	Microplastic rapid screening method development using automated mineralogy. 10,	0
92	Distribution patterns of microplastics in subtidal sediments from the Sado river estuary and the ArrBida marine park, Portugal. 10,	0
91	Understanding plasticiser leaching from polystyrene microplastics. 2022 , 159099	0
90	Comparison of pre-treatment methods and heavy density liquids to optimize microplastic extraction from natural marine sediments. 2022 , 12,	0
89	Interactions of Microplastics and Methane Seepage in the Deep-Sea Environment. 2022 ,	0
88	Analytical methods for microplastics in the environment: a review.	0
87	Microplastic Removal Time in Saigon River. 2023 , 1037-1045	0

- 86 Extraction efficiency of different microplastic polymers from deep-sea sediments and their quantitative relevance. 9, ○
- 85 Anthropocene microplastic stratigraphy of Xiamen Bay, China: A history of plastic production and waste management. **2022**, 119215 ○
- 84 Emerging marine pollution from container ship accidents: Risk characteristics, response strategies, and regulation advancements. **2022**, 376, 134266 1
- 83 Entrainment and vertical mixing of aquatic microplastics in turbulent flow: The coupled role of particle size and density. **2022**, 184, 114160 ○
- 82 Determination of microplastics in pond water. **2022**, ○
- 81 Specific Ion Effects on the Enzymatic Degradation of Polyester Films. ○
- 80 Sources, Aging, and Management of Coastal Plastics in Shanghai. **2022**, 233, ○
- 79 Effect of Chemical Agents on the Morphology and Chemical Structures of Microplastics. **2022**, 14, 4353 ○
- 78 Environmental Pollution in Belgium and Implications for Aquatic Health. ○
- 77 Corrigendum: Microplastic rapid screening method development using automated mineralogy. 10, ○
- 76 H₂O₂ concentration influenced the photoaging mechanism and kinetics of polystyrene microplastic under UV irradiation: Direct and indirect photolysis. **2022**, 135046 ○
- 75 Abundance, composition, and distribution of microplastics in intertidal sediment and soft tissues of four species of Bivalvia from Southeast Brazilian urban beaches. **2023**, 857, 159352 ○
- 74 The interplay of larval age and particle size regulates micro-polystyrene biodegradation and development of *Tenebrio molitor* L.. **2023**, 857, 159335 ○
- 73 Microplastic materials in the environment: Problem and strategical solutions. **2023**, 132, 101035 2
- 72 Plastic Waste Generation and Emissions from the Domestic Open Burning of Plastic Waste in Guatemala. ○
- 71 Airborne microplastics: Occurrence, sources, fate, risks and mitigation. **2023**, 858, 159943 ○
- 70 Classification of (micro)plastics using cathodoluminescence and machine learning. **2023**, 253, 123985 ○
- 69 Bioaccumulation and Ecotoxicological Impact of Micro(nano)Plastics in Aquatic and Land Snails: Historical Review, Current Research and Emerging Trends. **2022**, 130382 ○

68	Digestion of preserved and unpreserved fish intestines for microplastic analysis with emphasis on quality assurance. 2022 , 1-17	0
67	Panacea for the nanoplastic surge in Africa: A state-of-the-art review. 2022 , e11562	1
66	Sponges as libraries: Increase in microplastics in <i>Cinachyrella alloclada</i> after 36 years. 2022 , 185, 114339	1
65	A reference methodology for microplastic particle size distribution analysis: sampling, filtration and detection by optical microscopy and image processing.	0
64	Preliminary investigations of microplastic pollution in karst systems, from surface watercourses to cave waters. 2022 , 104117	0
63	Toxicological effects and transcriptome mechanisms of rice (<i>Oryza sativa</i> L.) under stress of quinclorac and polystyrene nanoplastics. 2023 , 249, 114380	2
62	First assessment of microplastics in offshore sediments along the Lebanese coast, South-Eastern Mediterranean. 2023 , 186, 114422	0
61	Advances and prospects of carbon dots for microplastic analysis. 2023 , 313, 137433	2
60	Concurrent production and purification of glycolic acid from mixed esters via selective hydrolysis reactions catalyzed and thermodynamically promoted by MgO. 2023 , 308, 122979	0
59	Tracking How Biodegraded Microplastics Enter the Ecosystem with CuInS ₂ @ZnS QDs. 2022 , 126, 20605-20612	0
58	A New Monitoring Strategy of Large Micro-, Meso- and Macro-Litter: A Case Study on Sandy Beaches of Baltic Lagoons and Estuaries.	0
57	Plastibodies for multiplexed detection and sorting of microplastic particles in high-throughput. 2022 , 160450	0
56	Human health risk perspective study on characterization, quantification and spatial distribution of microplastics in surface water, groundwater and coastal sediments of thickly populated Chennai coast of South India. 1-23	0
55	Distribution and controlling factors of microplastics in surface sediments of typical deep-sea geomorphological units in the northern South China Sea. 9,	0
54	Microplastics in coastal urban sediments: Discrepancies in concentration and character revealed by different approaches to sample processing. 2022 , 161140	0
53	Nanoporous membrane filter cascade for size-selective analysis of nano- and microplastic particles.	0
52	Deep Sea Microplastic Pollution Extends Out to Sediments in the Northeast Atlantic Ocean Margins.	0
51	Towards a Better Understanding of the Contribution of Wastewater Treatment Plants to the Microplastic Pollution in Receiving Waterways.	0

- 50 Current research trends on cosmetic microplastic pollution and its impacts on the ecosystem: A review. **2023**, 121106 ○
- 49 Polypropylene microplastics affect the physiology in *Drosophila* model. 1-6 ○
- 48 High temporal resolution records of outdoor and indoor airborne microplastics. ○
- 47 Microplastic pollution in the food web: observation of ingestion by the talitrid amphipod *Cryptorchestia garbinii* on the shores of Lake Garda. **2023**, 90, 73-82 ○
- 46 Impacts of nano/micro-plastics on safety and quality of aquatic food products. **2023**, ○
- 45 Digital holographic approaches to detection and characterization of microplastics in water environments. ○
- 44 Microplastic Toxicity in Aquatic Organisms and Aquatic Ecosystems: a Review. **2023**, 234, ○
- 43 Bioaccumulation of functionalized polystyrene nanoplastics in sea cucumber *Apostichopus japonicus* (Selenka, 1867) and their toxic effects on oxidative stress, energy metabolism and mitochondrial pathway. **2023**, 319, 121015 ○
- 42 First record of microplastics in the *Gigantidas platifrons* (Mytilidae: *Bathymodiolus*) and *Shinkaia crosnieri* (Munidopsidae: *Shinkaia*) from cold-seep in the South China Sea. **2023**, 187, 114523 ○
- 41 Distribution characteristics of microplastics in storm-drain inlet sediments affected by the types of urban functional areas, economic and demographic conditions in southern Beijing. **2023**, 220, 115224 ○
- 40 A review on state-of-the-art detection techniques for micro- and nano-plastics with prospective use in point-of-site detection. **2023**, ○
- 39 The Journey of Microplastics across the Marine Food Web in China's Largest Fishing Ground. **2023**, 15, 445 ○
- 38 Tire and Road Wear Particle-Containing Sediments with High Organic Content Impact Behavior and Survival of Chironomid Larvae (*Chironomus riparius*). **2023**, 10, 23 ○
- 37 Initial discovery of microplastic pollution in *Mnemiopsis leidyi* (Ctenophora: *Lobata*). **2023**, 100140 ○
- 36 Estimated discharge of microplastics via urban stormwater during individual rain events. 11, ○
- 35 The Complex Dynamics of Microplastic Migration through Different Aquatic Environments: Subsidies for a Better Understanding of Its Environmental Dispersion. **2023**, 2, 62-77 1
- 34 Polystyrene nanoplastics' accumulation in roots induces adverse physiological and molecular effects in water spinach *Ipomoea aquatica* Forsk. **2023**, 872, 162278 ○
- 33 Distribution of microplastics in freshwater systems in an urbanized region: A case study in Flanders (Belgium). **2023**, 872, 162192 ○

- 32 Stressors of emerging concern in deep-sea environments: microplastics, pharmaceuticals, personal care products and deep-sea mining. **2023**, 876, 162557 ○
- 31 A review on analytical performance of micro- and nanoplastics analysis methods. **2023**, 16, 104686 ○
- 30 Assessment of microplastics in edible salts from solar saltpans and commercial salts. **2023**, 6, 100032 ○
- 29 Characteristics analysis of plastisphere biofilm and effect of aging products on nitrogen metabolizing flora in microcosm wetlands experiment. **2023**, 452, 131336 ○
- 28 Source, occurrence, distribution, fate, and implications of microplastic pollutants in freshwater on environment: A critical review and way forward. **2023**, 325, 138367 ○
- 27 Mangrove and microplastic pollution: A case study from a small island (Mauritius). **2023**, 62, 102906 ○
- 26 Microplastics pollution studies in India: A recent review of sources, abundances and research perspectives. **2023**, 61, 102863 ○
- 25 Sources and hotspots of microplastics of the rivers ending to the southern Caspian Sea. **2023**, 188, 114562 ○
- 24 From marine to freshwater environment: A review of the ecotoxicological effects of microplastics. **2023**, 251, 114564 1
- 23 First assessment of debris pollution in the gastrointestinal content of juvenile Magellanic penguins (*Spheniscus magellanicus*) stranded on the west south Atlantic coasts. **2023**, 188, 114628 ○
- 22 Effects of organic matter on the aggregation of anthropogenic microplastic particles in turbulent environments. **2023**, 232, 119706 ○
- 21 The occurrence of microplastic in aquatic environment and toxic effects for organisms. ○
- 20 Eco-friendly microplastic removal through physical and chemical techniques: a review. **2023**, 7, ○
- 19 Microplastics and leaf litter decomposition dynamics: New insights from a lotic ecosystem (Northeastern Italy). **2023**, 147, 109995 ○
- 18 Seasonal variation observed in microplastic deposition rates in boreal lake sediments. **2023**, 23, 1960-1970 ○
- 17 Occurrence and risk assessment of microplastics in the Lhasa River—a remote plateau river on the Qinghai-Tibet Plateau, China. **2023**, 195, ○
- 16 Recent trends on microplastics abundance and risk assessment in coastal Antarctica: Regional meta-analysis. **2023**, 324, 121385 ○
- 15 Distribution, compositional characteristics, and historical pollution records of microplastics in tidal flats of South Korea. **2023**, 189, 114741 ○

- 14 Seasonal effects, spatial distribution, and possible sources of microplastics in the Chao Phraya River estuary, Thailand. **2023**, 58, 256-266 ○
- 13 Progress on the Effects of Microplastics on Aquatic Crustaceans: A Review. **2023**, 24, 5523 ○
- 12 Social Responsibility and Plastic. **2023**, 203-222 ○
- 11 Research status and prospects of microplastic pollution in lakes. **2023**, 195, ○
- 10 Chemical composition of microplastics floating on the Mediterranean Sea surface. 484-493 ○
- 9 Overview of microplastic pollution and its influence on the health of organisms. **2023**, 58, 412-422 ○
- 8 Abundance and characteristics of microplastics in major urban lakes of Dhaka, Bangladesh. **2023**, 9, e14587 ○
- 7 Preliminary study on microplastic abundance in mangrove sediment cores at Mae Klong River, upper Gulf of Thailand. 11, ○
- 6 Microplastics in freshwater wild and farmed fish species of Bangladesh. ○
- 5 Abundance of Microplastics in Two Venus Clams (*Meretrix lyrata* and *Paratapes undulatus*) from Estuaries in Central Vietnam. **2023**, 15, 1312 ○
- 4 Microplastic contamination in salted and sun dried fish and implications for food security [A study on the effect of location, style and constituents of dried fish on microplastics load. **2023**, 191, 114909 ○
- 3 Feasibility Study for the Development of a Low-Cost, Compact, and Fast Sensor for the Detection and Classification of Microplastics in the Marine Environment. **2023**, 23, 4097 ○
- 2 New insights into the migration, distribution and accumulation of micro-plastic in marine environment: A critical mechanism review. **2023**, 138572 ○
- 1 Microplastics in the Mediterranean and elsewhere in coastal seas. **2023**, ○