

# CITATION REPORT

List of articles citing

## Accumulation and fragmentation of plastic debris in global environments

DOI: 10.1098/rstb.2008.0205

Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 1985-98.

**Source:** <https://exaly.com/paper-pdf/46628842/citation-report.pdf>

**Version:** 2024-04-28

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
2281	Bringing home the trash: do colony-based differences in foraging distribution lead to increased plastic ingestion in Laysan albatrosses?. <b>2009</b> , 4, e7623		62
2280	Transport and release of chemicals from plastics to the environment and to wildlife. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 2027-45	5.8	1529
2279	Our plastic age. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 1973-6	5.8	600
2278	Plastics, the environment and human health: current consensus and future trends. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 2153-66	5.8	1384
2277	Structuring policy problems for plastics, the environment and human health: reflections from the UK. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 2141-51	5.8	23
2276	Applications and societal benefits of plastics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 1977-84	5.8	842
2275	Monitoring the abundance of plastic debris in the marine environment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 1999-2012	5.8	787
2274	Biodegradable and compostable alternatives to conventional plastics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 2127-39	5.8	450
2273	Environmental implications of plastic debris in marine settings--entanglement, ingestion, smothering, hangers-on, hitch-hiking and alien invasions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 2013-25	5.8	1033
2272	Plastics recycling: challenges and opportunities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 2115-26	5.8	1244
2271	Assessing marine debris in deep seafloor habitats off California. <b>2010</b> , 60, 131-8		140
2270	Are marine plastic particles transport vectors for organic pollutants to the Arctic?. <b>2010</b> , 60, 1810-4		229
2269	The size, mass, and composition of plastic debris in the western North Atlantic Ocean. <b>2010</b> , 60, 1873-8		419
2268	Degradation of plastic carrier bags in the marine environment. <b>2010</b> , 60, 2279-83		248
2267	The influence of a voluntary fee in the consumption of plastic bags on supermarkets from Madeira Island (Portugal). <b>2010</b> , 53, 883-889		20
2266	Marine Debris in the Island of Santa Catarina, South Brazil: Spatial Patterns, Composition, and Biological Aspects. <b>2010</b> , 26, 993-1000		40
2265	Spatial patterns of plastic debris along Estuarine shorelines. <b>2010</b> , 44, 3404-9		708

2264	Comparative toxicity of leachates from 52 textiles to <i>Daphnia magna</i> . <b>2010</b> , 73, 1629-32	17
2263	A horizon scan of global conservation issues for 2010. <b>2010</b> , 25, 1-7	268
2262	Plastics and health risks. <b>2010</b> , 31, 179-94	460
2261	Thermally-induced transformation of hexabromocyclo dodecanes and isobutoxypenta bromocyclododecanes in flame-proofed polystyrene materials. <b>2010</b> , 80, 701-8	55
2260	A thermodynamic approach for assessing the environmental exposure of chemicals absorbed to microplastic. <b>2011</b> , 45, 1466-72	285
2259	Accumulation of microplastic on shorelines worldwide: sources and sinks. <b>2011</b> , 45, 9175-9	2233
2258	Litter in submarine canyons off the west coast of Portugal. <b>2011</b> , 58, 2489-2496	107
2257	Morphological characterisation of ATAD thermophilic sludge; sludge ecology and settleability. <b>2011</b> , 45, 3427-38	17
2256	Spatio-temporal distribution of floating objects in the German Bight (North Sea). <b>2011</b> , 65, 368-379	74
2255	Man and the last great wilderness: human impact on the deep sea. <b>2011</b> , 6, e22588	466
2254	Environmental and health hazard ranking and assessment of plastic polymers based on chemical composition. <b>2011</b> , 409, 3309-24	725
2253	Plastic particles in coastal pelagic ecosystems of the Northeast Pacific ocean. <b>2011</b> , 71, 41-52	289
2252	Plastic debris ingestion by marine catfish: an unexpected fisheries impact. <b>2011</b> , 62, 1098-102	280
2251	Microplastics in oceans. <b>2011</b> , 62, 1589-91	79
2250	Microplastics in the marine environment. <b>2011</b> , 62, 1596-605	3373
2249	Small plastic debris changes water movement and heat transfer through beach sediments. <b>2011</b> , 62, 1708-13	232
2248	A quantification of the standing stock of macro-debris in Majuro lagoon and its effect on hard coral communities. <b>2011</b> , 62, 1693-701	70
2247	Occurrence and distribution of microplastics in marine sediments along the Belgian coast. <b>2011</b> , 62, 2199-204	811

2246	Habitat associations of floating debris and marine birds in the North East Pacific Ocean at coarse and meso spatial scales. <b>2011</b> , 62, 2496-506	50
2245	Microplastics as contaminants in the marine environment: a review. <b>2011</b> , 62, 2588-97	2650
2244	Crystal structure of <i>l</i> -isobutoxypentabromo-cyclododecanes, kinetics and selectivity of their isomerization during thermal treatment of flame-proofed polystyrenes. <b>2011</b> , 83, 1568-74	6
2243	Distribution and Degradation of Fresh Water Plastic Particles Along the Beaches of Lake Huron, Canada. <b>2011</b> , 220, 365-372	243
2242	New perspectives in plastic biodegradation. <b>2011</b> , 22, 422-6	295
2241	Origin, dynamics and evolution of ocean garbage patches from observed surface drifters. <b>2012</b> , 7, 044040	276
2240	Plastics in the marine environment: the dark side of a modern gift. <b>2012</b> , 220, 1-44	137
2239	Plastic consumption and diet of Glaucous-winged Gulls ( <i>Larus glaucescens</i> ). <b>2012</b> , 64, 2351-6	54
2238	Are baleen whales exposed to the threat of microplastics? A case study of the Mediterranean fin whale ( <i>Balaenoptera physalus</i> ). <b>2012</b> , 64, 2374-9	362
2237	High prevalence of parental delivery of plastic debris in Cory's shearwaters ( <i>Calonectris diomedea</i> ). <b>2012</b> , 64, 2219-23	63
2236	Marine litter in the different functional zones of the Lithuanian coast line. <b>2012</b> ,	
2235	Uptake and effects of microplastics on cells and tissue of the blue mussel <i>Mytilus edulis</i> L. after an experimental exposure. <b>2012</b> , 46, 11327-35	902
2234	Northern fulmars as biological monitors of trends of plastic pollution in the eastern North Pacific. <b>2012</b> , 64, 1776-81	107
2233	Boring crustaceans damage polystyrene floats under docks polluting marine waters with microplastic. <b>2012</b> , 64, 1821-8	57
2232	A new technique for detecting colored macro plastic debris on beaches using webcam images and CIELUV. <b>2012</b> , 64, 1829-36	32
2231	Effects of nanopolystyrene on the feeding behavior of the blue mussel ( <i>Mytilus edulis</i> L.). <b>2012</b> , 31, 2490-7	334
2230	Nacnac(Bn)CuOiPr: a strained geometry resulting in very high lactide polymerization activity. <b>2012</b> , 48, 10334-6	37
2229	The effect of wind mixing on the vertical distribution of buoyant plastic debris. <b>2012</b> , 39, n/a-n/a	347

2228	Microplastics in the marine environment: a review of the methods used for identification and quantification. <b>2012</b> , 46, 3060-75	2218
2227	Long-term decreases in persistent organic pollutants in South African coastal waters detected from beached polyethylene pellets. <b>2012</b> , 64, 2756-60	62
2226	The complex interaction between marine debris and toxic chemicals in the ocean. <b>2012</b> , 46, 12302-15	444
2225	To eat or not to eat? Debris selectivity by marine turtles. <b>2012</b> , 7, e40884	81
2224	Cetaceans and Marine Debris: The Great Unknown. <b>2012</b> , 2012, 1-8	38
2223	Laboratory test methods to determine the degradation of plastics in marine environmental conditions. <b>2012</b> , 3, 225	112
2222	Migrating components in a polyurethane laminating adhesive identified using gas chromatography/mass spectrometry. <b>2012</b> , 26, 1810-6	18
2221	Low-temperature iron-catalyzed depolymerization of polyethers. <b>2012</b> , 5, 1195-8	23
2220	Plastic debris in the digestive tract of sheep and goats: an increasing environmental contamination in Birjand, Iran. <b>2012</b> , 88, 691-4	14
2219	Microplastics in beaches of the East Frisian islands Spiekeroog and Kachelotplate. <b>2012</b> , 89, 213-7	234
2218	Sorption of polycyclic aromatic hydrocarbons (PAHs) to low and high density polyethylene (PE). <b>2012</b> , 19, 1296-304	131
2217	Comparative acute toxicity of leachates from plastic products made of polypropylene, polyethylene, PVC, acrylonitrile-butadiene-styrene, and epoxy to <i>Daphnia magna</i> . <b>2012</b> , 19, 1763-72	132
2216	Persistent organic pollutants in plastic marine debris found on beaches in San Diego, California. <b>2012</b> , 86, 258-63	148
2215	House crickets can accumulate polybrominated diphenyl ethers (PBDEs) directly from polyurethane foam common in consumer products. <b>2012</b> , 86, 500-5	54
2214	Deterioration of bioplastic carrier bags in the environment and assessment of a new recycling alternative. <b>2012</b> , 89, 136-43	87
2213	A strategy for detecting derelict fishing gear at sea. <b>2012</b> , 65, 7-15	14
2212	Numerical modelling of floating debris in the world's oceans. <b>2012</b> , 64, 653-61	458
2211	Neustonic microplastic and zooplankton in the North Western Mediterranean Sea. <b>2012</b> , 64, 861-4	382

2210	Trends in marine debris along the U.S. Pacific Coast and Hawai'i 1998-2007. <b>2012</b> , 64, 994-1004	72
2209	Anthropogenic "Litter" and macrophyte detritus in the deep Northern Gulf of Mexico. <b>2012</b> , 64, 966-73	38
2208	Linking social drivers of marine debris with actual marine debris on beaches. <b>2012</b> , 64, 1580-8	82
2207	The applicability of reflectance micro-Fourier-transform infrared spectroscopy for the detection of synthetic microplastics in marine sediments. <b>2012</b> , 416, 455-63	206
2206	Production of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) by <i>Ralstonia eutropha</i> in high cell density palm oil fermentations. <b>2012</b> , 109, 74-83	105
2205	The influence of biotic and abiotic factors on the rate of degradation of poly(lactic) acid (PLA) coupons buried in compost and soil. <b>2013</b> , 98, 2063-2071	109
2204	Marine Pollution. <b>2013</b> , 127-169	8
2203	Incidence of plastic fragments among burrow-nesting seabird colonies on offshore islands in northern New Zealand. <b>2013</b> , 74, 420-4	16
2202	Flyingfish feeding ecology in the eastern Pacific: prey partitioning within a speciose epipelagic community. <b>2013</b> , 83, 326-42	12
2201	Incidence of entanglements with marine debris by northern gannets ( <i>Morus bassanus</i> ) in the non-breeding grounds. <b>2013</b> , 75, 259-263	35
2200	Distribution of small plastic debris in cross-section and high strandline on Heungnam beach, South Korea. <b>2013</b> , 48, 225-233	129
2199	Conservation priorities. <b>2013</b> , 1-22	17
2198	Effects of natural and anthropogenic processes in the distribution of marine litter in the deep Mediterranean Sea. <b>2013</b> , 118, 273-287	143
2197	Plastic litter accumulation on high-water strandline of urban beaches in Mumbai, India. <b>2013</b> , 185, 7709-19	55
2196	New techniques for the detection of microplastics in sediments and field collected organisms. <b>2013</b> , 70, 227-33	534
2195	Plastic debris in Mediterranean seabirds. <b>2013</b> , 77, 220-6	96
2194	Biodegradability of conventional and bio-based plastics and natural fiber composites during composting, anaerobic digestion and long-term soil incubation. <b>2013</b> , 98, 2583-2591	141
2193	Prevalence and composition of marine debris in Brown Booby ( <i>Sula leucogaster</i> ) nests at Ashmore Reef. <b>2013</b> , 77, 320-4	51

2192	Effects of environmental conditions on latex degradation in aquatic systems. <b>2013</b> , 447, 225-34	62
2191	The plastic-associated microorganisms of the North Pacific Gyre. <b>2013</b> , 75, 126-132	182
2190	Relationships among the abundances of plastic debris in different size classes on beaches in South Korea. <b>2013</b> , 77, 349-54	234
2189	The Ovenbird ( <i>Seiurus aurocapilla</i> ) as a Model for Testing Food-Value Theory. <b>2013</b> , 169, 214-220	6
2188	Effects of microplastic on fitness and PCB bioaccumulation by the lugworm <i>Arenicola marina</i> (L.). <b>2013</b> , 47, 593-600	599
2187	The links between global carbon, water and nutrient cycles in an urbanizing world [the case of coastal eutrophication]. <b>2013</b> , 5, 566-572	31
2186	Quantitative analysis of plastic debris on recreational beaches in Mumbai, India. <b>2013</b> , 77, 107-12	161
2185	Plastic pollution in the South Pacific subtropical gyre. <b>2013</b> , 68, 71-6	385
2184	Microplastic pollution in the surface waters of the Laurentian Great Lakes. <b>2013</b> , 77, 177-82	976
2183	Organophosphorus esters in the oceans and possible relation with ocean gyres. <b>2013</b> , 180, 159-64	31
2182	Single and combined effects of microplastics and pyrene on juveniles (0+ group) of the common goby <i>Pomatoschistus microps</i> (Teleostei, Gobiidae). <b>2013</b> , 34, 641-647	410
2181	Contamination of beach sediments of a subalpine lake with microplastic particles. <b>2013</b> , 23, R867-8	411
2180	Microplastic particles in sediments of Lagoon of Venice, Italy: First observations on occurrence, spatial patterns and identification. <b>2013</b> , 130, 54-61	593
2179	Assessment of marine debris on the Belgian Continental Shelf. <b>2013</b> , 73, 161-9	129
2178	Marine litter: Progress in developing an integrated policy approach in Scotland. <b>2013</b> , 42, 49-55	36
2177	Pelagic microplastics around an archipelago of the Equatorial Atlantic. <b>2013</b> , 75, 305-309	119
2176	Occurrence of microplastics in the gastrointestinal tract of pelagic and demersal fish from the English Channel. <b>2013</b> , 67, 94-9	1074
2175	A multi-criteria evaluation system for marine litter pollution based on statistical analyses of OSPAR beach litter monitoring time series. <b>2013</b> , 92, 61-70	56

2174	Detection and distribution of Tris(2-chloroethyl) phosphate on the East Antarctic ice sheet. <b>2013</b> , 92, 1017-21	14
2173	A simple technique for counting marine debris at sea reveals steep litter gradients between the Straits of Malacca and the Bay of Bengal. <b>2013</b> , 69, 128-36	95
2172	Origin and abundance of marine litter along sandy beaches of the Turkish Western Black Sea Coast. <b>2013</b> , 85, 21-8	144
2171	Anthropogenic marine debris in the coastal environment: a multi-year comparison between coastal waters and local shores. <b>2013</b> , 71, 307-16	213
2170	As main meal for sperm whales: plastics debris. <b>2013</b> , 69, 206-14	150
2169	Communities of Microbial Enzymes Associated with Biodegradation of Plastics. <b>2013</b> , 21, 575-579	85
2168	Crosslinked ionic polysaccharides for stimuli-sensitive drug delivery. <b>2013</b> , 65, 1148-71	342
2167	Ingestion of marine debris plastic by the wedge-tailed shearwater <i>Ardenna pacifica</i> in the Great Barrier Reef, Australia. <b>2013</b> , 72, 244-9	61
2166	Microplastic ingestion by zooplankton. <b>2013</b> , 47, 6646-55	1344
2165	Debris in the deep: Using a 22-year video annotation database to survey marine litter in Monterey Canyon, central California, USA. <b>2013</b> , 79, 96-105	142
2164	Microplastic debris in sandhoppers. <b>2013</b> , 129, 19-22	89
2163	Life in the "plastisphere": microbial communities on plastic marine debris. <b>2013</b> , 47, 7137-46	1232
2162	Recent developments in the fire retardancy of polymeric materials. <b>2013</b> , 38, 1357-1387	405
2161	Plastic in north sea fish. <b>2013</b> , 47, 8818-24	546
2160	Ingested plastic transfers hazardous chemicals to fish and induces hepatic stress. <b>2013</b> , 3, 3263	924
2159	Marine litter within the European Marine Strategy Framework Directive. <b>2013</b> , 70, 1055-1064	346
2158	Application of fatty acid chlorides in the iron-catalyzed depolymerization of polyethers. <b>2013</b> , 115, 239-245	12
2157	Cyanobacterial polyhydroxyalkanoates: an alternative source for plastics. <b>2013</b> , 227-244	4



2156	Iron-catalyzed ring-closing depolymerization of poly(tetrahydrofuran). <b>2013</b> , 6, 1334-6	23
2155	Bees collect polyurethane and polyethylene plastics as novel nest materials. <b>2013</b> , 4, art155	19
2154	Cetaceans Value and Conservation in the Mediterranean Sea. <b>2013</b> , 01,	3
2153	Biodeterioration studies of thermoplastics in nature using indigenous bacterial consortium. <b>2013</b> , 56, 475-484	20
2152	Plastic Pollution in the South Pacific Subtropical Gyre. <b>2013</b> , 69, 38-44	3
2151	Modelled transport of benthic marine microplastic pollution in the Nazarı̇ Canyon. <b>2013</b> , 10, 7957-7970	99
2150	Marine microbes in the Plastic Age. <b>2014</b> , 35, 207	14
2149	Plastic Pollution in the World's Oceans: More than 5 Trillion Plastic Pieces Weighing over 250,000 Tons Afloat at Sea. <b>2014</b> , 9, e111913	2116
2148	Marine litter distribution and density in European seas, from the shelves to deep basins. <b>2014</b> , 9, e95839	364
2147	The future of the oceans past: towards a global marine historical research initiative. <b>2014</b> , 9, e101466	45
2146	Pollution by Marine Debris. <b>2014</b> , 193-236	
2145	Spatial and seasonal variation in diversity and structure of microbial biofilms on marine plastics in Northern European waters. <b>2014</b> , 90, 478-92	236
2144	Rapid bacterial colonization of low-density polyethylene microplastics in coastal sediment microcosms. <b>2014</b> , 14, 232	266
2143	The deep sea is a major sink for microplastic debris. <b>2014</b> , 1, 140317	876
2142	Palaeontological evidence for defining the Anthropocene. <b>2014</b> , 395, 149-165	27
2141	Occurrence, degradation, and effect of polymer-based materials in the environment. <b>2014</b> , 227, 1-53	81
2140	CHAPTER 7:Production of Low-cost Polyesters by Microwaving Heating of Carboxylic Acids and Polyol Blends. <b>2014</b> , 147-162	
2139	Plastic debris in the open ocean. <b>2014</b> , 111, 10239-44	1509

2138	DLC-coated pure bioplastic foil. <b>2014</b> , 26, 42-47	13
2137	Low densities of drifting litter in the African sector of the Southern Ocean. <b>2014</b> , 89, 16-19	27
2136	Microplastic pollution in St. Lawrence River sediments. <b>2014</b> , 71, 1767-1771	319
2135	Amplified responses in materials using linear polymers that depolymerize from end-to-end when exposed to specific stimuli. <b>2014</b> , 131, n/a-n/a	37
2134	Plastics in the marine environment. <b>2014</b> , 33, 5-10	90
2133	A novel approach for waste segregation at source level for effective generation of electricity □ GREENBIN. <b>2014</b> ,	8
2132	Hexabromocyclododecane in polystyrene based consumer products: an evidence of unregulated use. <b>2014</b> , 110, 111-9	95
2131	On the quantity and composition of floating plastic debris entering and leaving the Tamar Estuary, Southwest England. <b>2014</b> , 81, 55-60	376
2130	Interaction between loggerhead sea turtles ( <i>Caretta caretta</i> ) and marine litter in Sardinia (Western Mediterranean Sea). <b>2014</b> , 100, 25-32	65
2129	Comparison of the distribution and degradation of plastic debris along shorelines of the Great Lakes, North America. <b>2014</b> , 40, 288-299	242
2128	Plastic in the Thames: a river runs through it. <b>2014</b> , 78, 196-200	183
2127	Monitoring the impact of litter in large vertebrates in the Mediterranean Sea within the European Marine Strategy Framework Directive (MSFD): constraints, specificities and recommendations. <b>2014</b> , 100, 3-9	76
2126	Prevalence of marine debris in marine birds from the North Atlantic. <b>2014</b> , 84, 411-7	81
2125	A review of strategies to monitor water and sediment quality for a sustainability assessment of marine environment. <b>2014</b> , 21, 813-33	58
2124	Zinc-Catalyzed Depolymerization of End-of-Life Polysiloxanes. <b>2014</b> , 126, 2754-2759	9
2123	Evidence of microplastics in samples of zooplankton from Portuguese coastal waters. <b>2014</b> , 95, 89-95	262
2122	Zinc-Catalyzed Depolymerization of Polyethers to Produce Valuable Building Blocks. <b>2014</b> , 144, 850-859	9
2121	Young green turtles, <i>Chelonia mydas</i> , exposed to plastic in a frontal area of the SW Atlantic. <b>2014</b> , 78, 56-62	48

2120	Amount and distribution of neustonic micro-plastic off the western Sardinian coast (Central-Western Mediterranean Sea). <b>2014</b> , 100, 10-6	148
2119	Fishing impact on deep Mediterranean rocky habitats as revealed by ROV investigation. <b>2014</b> , 171, 167-176	145
2118	A decadal prediction of the quantity of plastic marine debris littered on beaches of the East Asian marginal seas. <b>2014</b> , 81, 174-84	40
2117	Zinc-catalyzed depolymerization of end-of-life polysiloxanes. <b>2014</b> , 53, 2716-21	32
2116	Evaluating the impacts of marine debris on cetaceans. <b>2014</b> , 80, 210-21	172
2115	Transport of persistent organic pollutants by microplastics in estuarine conditions. <b>2014</b> , 140, 14-21	267
2114	Low-temperature depolymerization of polysiloxanes with iron catalysis. <b>2014</b> , 7, 2030-6	17
2113	Occurrence and spatial distribution of microplastics in sediments from Norderney. <b>2014</b> , 186, 248-56	356
2112	Widespread distribution of microplastics in subsurface seawater in the NE Pacific Ocean. <b>2014</b> , 79, 94-9	536
2111	The present and future of microplastic pollution in the marine environment. <b>2014</b> , 185, 352-64	862
2110	A comparative study of marine litter on the seafloor of coastal areas in the Eastern Mediterranean and Black Seas. <b>2014</b> , 89, 296-304	90
2109	Microplastics in four estuarine rivers in the Chesapeake Bay, U.S.A. <b>2014</b> , 48, 14195-202	354
2108	Fate of microplastics in the marine isopod <i>Idotea emarginata</i> . <b>2014</b> , 48, 13451-8	193
2107	Marine wildlife entanglement: Assessing knowledge, attitudes, and relevant behaviour in the Australian community. <b>2014</b> , 89, 136-148	19
2106	Macrodebris and microplastics from beaches in Slovenia. <b>2014</b> , 89, 356-366	258
2105	Cruise tourism environmental impacts – The perspective from the Adriatic Sea. <b>2014</b> , 102, 350-363	73
2104	The effect of fine-scale sampling frequency on estimates of beach litter accumulation. <b>2014</b> , 88, 249-54	50
2103	Deepwater marine litter densities and composition from submersible video-transects around the ABC-islands, Dutch Caribbean. <b>2014</b> , 88, 361-5	22

2102	Assessment of floating plastic debris in surface water along the Seine River. <b>2014</b> , 195, 163-6	159
2101	Out of sight but not out of mind: harmful effects of derelict traps in selected U.S. coastal waters. <b>2014</b> , 86, 19-28	39
2100	Marine litter ensemble transport simulations in the southern North Sea. <b>2014</b> , 86, 219-228	67
2099	Marine debris is selected as nesting material by the brown booby ( <i>Sula leucogaster</i> ) within the Swain Reefs, Great Barrier Reef, Australia. <b>2014</b> , 87, 180-190	47
2098	Use of indicator chemicals to characterize the plastic fragments ingested by Laysan albatross. <b>2014</b> , 87, 230-236	10
2097	Floating debris in the Mediterranean Sea. <b>2014</b> , 86, 494-504	198
2096	Polystyrene Nanoparticles Perturb Lipid Membranes. <b>2014</b> , 5, 241-6	174
2095	Polymers Surface interactions with molten iron: A theoretical study. <b>2014</b> , 443, 107-111	6
2094	Reconstructing Anthropocene extreme flood events by using litter deposits. <b>2014</b> , 122, 23-28	9
2093	High-levels of microplastic pollution in a large, remote, mountain lake. <b>2014</b> , 85, 156-63	728
2092	Microplastics in freshwater ecosystems: what we know and what we need to know. <b>2014</b> , 26, 12	636
2091	Accelerated ageing and lifetime prediction of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) in distilled water. <b>2014</b> , 39, 70-78	46
2090	Relationship of diversity and habitat area in North Pacific plastic-associated rafting communities. <b>2014</b> , 161, 1441-1453	121
2089	Sources of plastic marine debris on beaches of Korea: More from the ocean than the land. <b>2014</b> , 49, 151-162	59
2088	Microplastics in the pelagic environment around oceanic islands of the Western Tropical Atlantic Ocean. <b>2014</b> , 225, 1	77
2087	Recycling of polymers: a review. <b>2014</b> , 7, 1579-93	264
2086	Lactide polymerization catalyzed by Mg and Zn diketiminate complexes with flexible ligand frameworks. <b>2014</b> , 43, 6339-52	40
2085	Microplastic pollution in the Northeast Atlantic Ocean: validated and opportunistic sampling. <b>2014</b> , 88, 325-33	388

2084	Plastic ingestion by fulmars and shearwaters at Sable Island, Nova Scotia, Canada. <b>2014</b> , 87, 68-75	46
2083	Suspended microplastics in the surface water of the Yangtze Estuary System, China: first observations on occurrence, distribution. <b>2014</b> , 86, 562-568	554
2082	Direct Transformation of Edible Vegetable Waste into Bioplastics. <b>2014</b> , 47, 5135-5143	92
2081	Synthesis of branched, nano channeled, ultrafine and nano carbon tubes from PET wastes using the arc discharge method. <b>2014</b> , 34, 2139-45	38
2080	Seawater accelerated ageing of poly(3-hydroxybutyrate-co-3-hydroxyvalerate). <b>2014</b> , 105, 237-247	46
2079	Megafauna of vulnerable marine ecosystems in French mediterranean submarine canyons: Spatial distribution and anthropogenic impacts. <b>2014</b> , 104, 184-207	167
2078	Artificial neural networks for modeling time series of beach litter in the southern North Sea. <b>2014</b> , 98, 14-20	13
2077	Wild gudgeons ( <i>Gobio gobio</i> ) from French rivers are contaminated by microplastics: preliminary study and first evidence. <b>2014</b> , 128, 98-100	260
2076	Annual variation in neustonic micro- and meso-plastic particles and zooplankton in the Bay of Calvi (Mediterranean-Corsica). <b>2014</b> , 79, 293-8	149
2075	The Danube so colourful: a potpourri of plastic litter outnumbers fish larvae in Europe's second largest river. <b>2014</b> , 188, 177-81	507
2074	Plastic debris retention and exportation by a mangrove forest patch. <b>2014</b> , 78, 252-7	113
2073	Ingestion and defecation of marine debris by loggerhead sea turtles, <i>Caretta caretta</i> , from by-catches in the South-West Indian Ocean. <b>2014</b> , 84, 90-6	83
2072	Distribution patterns of microplastics within the plankton of a tropical estuary. <b>2014</b> , 132, 146-55	258
2071	Polymers and Marine Litter. <b>2014</b> , 27-48	
2070	Global research priorities to mitigate plastic pollution impacts on marine wildlife. <b>2014</b> , 25, 225-247	211
2069	Zinc(II)-triflate as catalyst precursor for ring-closing depolymerization of end-of-life polytetrahydrofuran to produce tetrahydrofuran. <b>2014</b> , 131, n/a-n/a	12
2068	Global warming releases microplastic legacy frozen in Arctic Sea ice. <b>2014</b> , 2, 315-320	539
2067	Natural Degradation and Biodegradation of Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate) in Liquid and Solid Marine Environments. <b>2015</b> , 23, 493-505	41

2066	Microplastics in Arctic polar waters: the first reported values of particles in surface and sub-surface samples. <b>2015</b> , 5, 14947	524
2065	Anthropogenic debris in seafood: Plastic debris and fibers from textiles in fish and bivalves sold for human consumption. <b>2015</b> , 5, 14340	677
2064	The frequency of ingested plastic debris and its effects on body condition of Short-tailed Shearwater ( <i>Puffinus tenuirostris</i> ) pre-fledging chicks in Tasmania, Australia. <b>2015</b> , 115, 6-11	20
2063	Human activities and ecosystem service use: impacts and trade-offs. 335-376	
2062	Questions of size and numbers in environmental research on microplastics: methodological and conceptual aspects. <b>2015</b> , 12, 527	152
2061	Seasonal trends in abundance and composition of marine debris in selected public beaches in Peninsular Malaysia. <b>2015</b> ,	2
2060	. <b>2015</b> ,	1
2059	SeaCleaner: Focusing Citizen Science and Environment Education on Unraveling the Marine Litter Problem. <b>2015</b> , 49, 99-118	16
2058	Does size and buoyancy affect the long-distance transport of floating debris?. <b>2015</b> , 10, 084019	128
2057	Depolymerization protocol for linear, branched, and crosslinked end-of-life silicones with boron trifluoride diethyl etherate as the depolymerization reagent. <b>2015</b> , 132, n/a-n/a	8
2056	Seafarers or castaways: ecological traits associated with rafting dispersal in tropical reef fishes. <b>2015</b> , 42, 2323-2333	22
2055	Microplastics in Marine Environments: Possible Interactions with the Microbial Assemblage. <b>2015</b> , 03,	10
2054	Marine litter, future prospects for research. <b>2015</b> , 2,	53
2053	Ionic Liquid-Facilitated Preparation of Lignocellulosic Composites. <b>2015</b> , 2015, 1-8	8
2052	The vertical distribution of buoyant plastics at sea: an observational study in the North Atlantic Gyre. <b>2015</b> , 12, 1249-1256	245
2051	Occurrence and Spatial Distribution of Microplastics in River Shore Sediments of the Rhine-Main Area in Germany. <b>2015</b> , 49, 6070-6	587
2050	Marine debris ingestion by albatrosses in the southwest Atlantic Ocean. <b>2015</b> , 96, 149-54	28
2049	Marine neustonic microplastics around the southeastern coast of Korea. <b>2015</b> , 96, 304-12	133

2048 Protected Shores Contaminated with Plastic. **2015**, 185-195

2047 Composition and potential origin of marine debris stranded in the Western Indian Ocean on remote Alphonse Island, Seychelles. **2015**, 96, 76-86 99

2046 Statistical analyses of the results of 25 years of beach litter surveys on the south-eastern North Sea coast. **2015**, 109, 21-7 38

2045 Does the presence of microplastics influence the acute toxicity of chromium(VI) to early juveniles of the common goby (*Pomatoschistus microps*)? A study with juveniles from two wild estuarine populations. **2015**, 164, 163-74 197

2044 Toxicity of leachate from weathering plastics: An exploratory screening study with *Nitocra spinipes*. **2015**, 132, 114-9 209

2043 Seasonal distribution and interactions between plankton and microplastics in a tropical estuary. **2015**, 165, 213-225 99

2042 Beach debris in the Azores (NE Atlantic): Faial Island as a first case study. **2015**, 101, 575-82 28

2041 Ingestion of Plastic Microfibers by the Crab *Carcinus maenas* and Its Effect on Food Consumption and Energy Balance. **2015**, 49, 14597-604 285

2040 Backwash process of marine macroplastics from a beach by nearshore currents around a submerged breakwater. **2015**, 101, 539-48 22

2039 A global inventory of small floating plastic debris. **2015**, 10, 124006 746

2038 Focal plane array detector-based micro-Fourier-transform infrared imaging for the analysis of microplastics in environmental samples. **2015**, 12, 563 292

2037 Study of interactions between polymer nanoparticles and cell membranes at atomistic levels. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2015**, 370, 20140036 5.8 14

2036 Evaluation of beach cleanup effects using linear system analysis. **2015**, 91, 73-81 20

2035 Microplastics in freshwater systems: a review of the emerging threats, identification of knowledge gaps and prioritisation of research needs. **2015**, 75, 63-82 1250

2034 The impact of debris on marine life. **2015**, 92, 170-179 974

2033 Marine pollution. Plastic waste inputs from land into the ocean. **2015**, 347, 768-71 4850

2032 Microplastic and macroplastic ingestion by a deep diving, oceanic cetacean: the True's beaked whale *Mesoplodon mirus*. **2015**, 199, 185-91 329

2031 Microplastics are taken up by mussels (*Mytilus edulis*) and lugworms (*Arenicola marina*) living in natural habitats. **2015**, 199, 10-7 611

2030	Pollutants bioavailability and toxicological risk from microplastics to marine mussels. <b>2015</b> , 198, 211-22	678
2029	Microbial degradation of low density polyethylene (LDPE): A review. <b>2015</b> , 3, 462-473	159
2028	Modelling the transport and accumulation of floating marine debris in the Mediterranean basin. <b>2015</b> , 91, 249-57	129
2027	Microbeads and Engineering Design in Chemistry: No Small Educational Investigation. <b>2015</b> , 92, 742-746	11
2026	The amount and accumulation rate of plastic debris on marshes and beaches on the Georgia coast. <b>2015</b> , 91, 113-9	14
2025	Plastic debris in the Laurentian Great Lakes: A review. <b>2015</b> , 41, 9-19	210
2024	Zinc-Catalyzed Depolymerization Reactions. <b>2015</b> , 207-218	
2023	Debris ingestion by juvenile marine turtles: an underestimated problem. <b>2015</b> , 93, 37-43	96
2022	Predictive Ecotoxicology and Environmental Assessment. <b>2015</b> , 463-496	4
2021	Methodology Used for the Detection and Identification of Microplastics: A Critical Appraisal. <b>2015</b> , 201-227	169
2020	Global styrene oligomers monitoring as new chemical contamination from polystyrene plastic marine pollution. <b>2015</b> , 300, 359-367	71
2019	Marine plastic pollution: using community science to address a global problem. <b>2015</b> , 66, 665	26
2018	Microplastic concentrations in beach sediments along the German Baltic coast. <b>2015</b> , 99, 216-29	251
2017	Pathways for degradation of plastic polymers floating in the marine environment. <b>2015</b> , 17, 1513-21	621
2016	Occurrence and Distribution of Microplastics in the Sea Surface Microlayer in Jinhae Bay, South Korea. <b>2015</b> , 69, 279-87	136
2015	Single and combined effects of microplastics and copper on the population growth of the marine microalgae <i>Tetraselmis chuii</i> . <b>2015</b> , 167, 269-275	133
2014	Bacterial Community Profiling of Plastic Litter in the Belgian Part of the North Sea. <b>2015</b> , 49, 9629-38	205
2013	Characterisation, quantity and sorptive properties of microplastics extracted from cosmetics. <b>2015</b> , 99, 178-85	413



2012	Effect of Chemical Treatment and Fiber Loading on Mechanical Properties of Borassus (Toddy Palm) Fiber/Epoxy Composites. <b>2015</b> , 20, 612-626	40
2011	First observation on neustonic plastics in waters off NW Spain (spring 2013 and 2014). <b>2015</b> , 111, 27-33	36
2010	Mediterranean marine biodiversity under threat: Reviewing influence of marine litter on species. <b>2015</b> , 98, 58-68	166
2009	Marine litter on the floor of deep submarine canyons of the Northwestern Mediterranean Sea: The role of hydrodynamic processes. <b>2015</b> , 134, 379-403	122
2008	Migration of nonylphenol from food-grade plastic is toxic to the coral reef fish species <i>Pseudochromis fridmani</i> . <b>2015</b> , 139, 223-8	46
2007	Experimental development of a new protocol for extraction and characterization of microplastics in fish tissues: First observations in commercial species from Adriatic Sea. <b>2015</b> , 111, 18-26	410
2006	Microplastics in the Marine Environment: Distribution, Interactions and Effects. <b>2015</b> , 245-307	149
2005	Microplastics in the Marine Environment: Sources, Consequences and Solutions. <b>2015</b> , 185-200	101
2004	Microplastic contamination in brown shrimp ( <i>Crangon crangon</i> , Linnaeus 1758) from coastal waters of the Southern North Sea and Channel area. <b>2015</b> , 98, 179-87	357
2003	Potential Health Impact of Environmentally Released Micro- and Nanoplastics in the Human Food Production Chain: Experiences from Nanotoxicology. <b>2015</b> , 49, 8932-47	511
2002	A Brief History of Marine Litter Research. <b>2015</b> , 1-25	70
2001	Regulation and Management of Marine Litter. <b>2015</b> , 395-428	41
2000	The Contribution of Citizen Scientists to the Monitoring of Marine Litter. <b>2015</b> , 429-447	20
1999	Global Distribution, Composition and Abundance of Marine Litter. <b>2015</b> , 29-56	157
1998	Persistence of Plastic Litter in the Oceans. <b>2015</b> , 57-72	134
1997	Marine Litter as Habitat and Dispersal Vector. <b>2015</b> , 141-181	52
1996	Ingestion of Microplastics by Zooplankton in the Northeast Pacific Ocean. <b>2015</b> , 69, 320-30	517
1995	Microplastics in sediments: A review of techniques, occurrence and effects. <b>2015</b> , 111, 5-17	573

1994	Plastic debris in the coastal environment: The invincible threat? Abundance of buried plastic debris on Malaysian beaches. <b>2015</b> , 33, 812-21	39
1993	First observations on the abundance and composition of floating debris in the North-western Black Sea. <b>2015</b> , 107, 45-49	30
1992	Characterization and quantitation of polyolefin microplastics in personal-care products using high-temperature gel-permeation chromatography. <b>2015</b> , 407, 1253-9	53
1991	Factors Influencing the Spatial Variation of Microplastics on High-Tidal Coastal Beaches in Korea. <b>2015</b> , 69, 299-309	117
1990	Surface properties of beached plastics. <b>2015</b> , 22, 11022-32	60
1989	Interactions between microplastics and phytoplankton aggregates: Impact on their respective fates. <b>2015</b> , 175, 39-46	357
1988	Characterization of small plastic debris on tourism beaches around the South China Sea. <b>2015</b> , 1, 55-62	60
1987	Using a forensic science approach to minimize environmental contamination and to identify microfibrils in marine sediments. <b>2015</b> , 95, 40-6	195
1986	Deep-sea litter: a comparison of seamounts, banks and a ridge in the Atlantic and Indian Oceans reveals both environmental and anthropogenic factors impact accumulation and composition. <b>2015</b> , 2,	60
1985	Xylotrophic bivalves: aspects of their biology and the impacts of humans. <b>2015</b> , 81, 175-186	33
1984	Sampling of riverine litter with citizen scientists--findings and recommendations. <b>2015</b> , 187, 335	68
1983	Microplastic in a macro filter feeder: Humpback whale <i>Megaptera novaeangliae</i> . <b>2015</b> , 95, 248-52	234
1982	Impacts of discarded plastic bags on marine assemblages and ecosystem functioning. <b>2015</b> , 49, 5380-9	90
1981	Introducing Students to Feedstock Recycling of End-of-Life Silicones via a Low-Temperature, Iron-Catalyzed Depolymerization Process. <b>2015</b> , 92, 703-707	8
1980	Hong Kong at the Pearl River Estuary: A hotspot of microplastic pollution. <b>2015</b> , 99, 112-8	214
1979	Occurrence and amount of microplastic ingested by fishes in watersheds of the Gulf of Mexico. <b>2015</b> , 100, 264-269	151
1978	A quantitative analysis of microplastic pollution along the south-eastern coastline of South Africa. <b>2015</b> , 101, 274-279	185
1977	Biodegradation and Mineralization of Polystyrene by Plastic-Eating Mealworms: Part 1. Chemical and Physical Characterization and Isotopic Tests. <b>2015</b> , 49, 12080-6	254

1976	Microplastic in three urban estuaries, China. <b>2015</b> , 206, 597-604	362
1975	Biodegradation and Mineralization of Polystyrene by Plastic-Eating Mealworms: Part 2. Role of Gut Microorganisms. <b>2015</b> , 49, 12087-93	256
1974	Microplastic resin pellets on an urban tropical beach in Colombia. <b>2015</b> , 187, 435	57
1973	Plastic pollution in five urban estuaries of KwaZulu-Natal, South Africa. <b>2015</b> , 101, 473-480	164
1972	Abundance and Distribution Characteristics of Microplastics in Surface Seawaters of the Incheon/Kyeonggi Coastal Region. <b>2015</b> , 69, 269-78	94
1971	Commentary: Plastic ocean and the cancer connection: 7 questions and answers. <b>2015</b> , 142, 575-8	17
1970	Benthic plastic debris in marine and fresh water environments. <b>2015</b> , 17, 1363-9	85
1969	Estimation of the Environmental Load of High- and Low-Density Polyethylene From South Korea Using a Mass Balance Approach. <b>2015</b> , 69, 367-73	7
1968	Beyond the ocean: contamination of freshwater ecosystems with (micro-)plastic particles. <b>2015</b> , 12, 539	278
1967	Detection of Anthropogenic Particles in Fish Stomachs: An Isolation Method Adapted to Identification by Raman Spectroscopy. <b>2015</b> , 69, 331-9	177
1966	Nano-plastics in the aquatic environment. <b>2015</b> , 17, 1712-21	263
1965	Silent spring in the ocean. <b>2015</b> , 112, 11752-3	15
1964	Distribution and Size Relationships of Plastic Marine Debris on Beaches in South Korea. <b>2015</b> , 69, 288-98	79
1963	Use of ROV for assessing marine litter on the seafloor of Saronikos Gulf (Greece): a way to fill data gaps and deliver environmental education. <b>2015</b> , 4, 463	19
1962	Threat of plastic pollution to seabirds is global, pervasive, and increasing. <b>2015</b> , 112, 11899-904	458
1961	Prospects for microbiological solutions to environmental pollution with plastics. <b>2015</b> , 99, 8857-74	231
1960	Microplastics in coastal and marine environments of the western tropical and sub-tropical Atlantic Ocean. <b>2015</b> , 17, 1868-79	42
1959	Marine microplastic-associated biofilms  review. <b>2015</b> , 12, 551	232

1958	A critical assessment of visual identification of marine microplastic using Raman spectroscopy for analysis improvement. <b>2015</b> , 100, 82-91	407
1957	Plastic pollution in Swiss surface waters: nature and concentrations, interaction with pollutants. <b>2015</b> , 12, 582	276
1956	Marine litter education boosts children's understanding and self-reported actions. <b>2015</b> , 90, 209-17	118
1955	Marine debris in a World Heritage Listed Brazilian estuary. <b>2015</b> , 91, 548-53	32
1954	Plastic pollution of the Kuril&amchatka Trench area (NW pacific). <b>2015</b> , 111, 399-405	135
1953	Lost fishing gear and litter at Gorringe Bank (NE Atlantic). <b>2015</b> , 100, 91-98	38
1952	Iron-catalyzed depolymerization of polysiloxanes to produce dichlorodimethylsilane, diacetoxydimethylsilane, or dimethoxydimethylsilane. <b>2015</b> , 132, n/a-n/a	11
1951	The Need for Technical Improvement in the Plastics Recycling Industry in Middle-income Countries: The Peruvian Case. <b>2016</b> , 32, 201-212	3
1950	Using Nudges to Reduce Waste? The Case of Toronto's Plastic Bag Levy. <b>2016</b> ,	1
1949	Other Contaminants. <b>2016</b> , 277-305	1
1948	Microplastics in Aquatic Environments and Their Toxicological Implications for Fish. <b>2016</b> ,	10
1947	Importance of soil physical characteristics for petroleum hydrocarbons phytoremediation: A review. <b>2016</b> , 10, 394-405	14
1946	Seasonal-Dial Shifts of Ichthyoplankton Assemblages and Plastic Debris around an Equatorial Atlantic Archipelago. <b>2016</b> , 4,	21
1945	A Review of the Welfare Impact on Pinnipeds of Plastic Marine Debris. <b>2016</b> , 3,	17
1944	Microplastics in Seawater: Recommendations from the Marine Strategy Framework Directive Implementation Process. <b>2016</b> , 3,	78
1943	Oxidized Polyethylene Wax as a Potential Carbon Source for PHA Production. <b>2016</b> , 9,	28
1942	M. <b>2016</b> , 325-360	
1941	From macroplastic to microplastic: Degradation of high-density polyethylene, polypropylene, and polystyrene in a salt marsh habitat. <b>2016</b> , 35, 1632-40	248

1940	Modeling marine surface microplastic transport to assess optimal removal locations. <b>2016</b> , 11, 014006	80
1939	Release of primary microplastics from consumer products to wastewater in the Netherlands. <b>2016</b> , 35, 1627-31	80
1938	Dangerous hitchhikers? Evidence for potentially pathogenic <i>Vibrio</i> spp. on microplastic particles. <b>2016</b> , 120, 1-8	383
1937	Marine debris occurrence and treatment: A review. <b>2016</b> , 64, 394-402	72
1936	Debris size and buoyancy influence the dispersal distance of stranded litter. <b>2016</b> , 110, 371-377	52
1935	Prevalence of microplastics in the marine waters of Qatar. <b>2016</b> , 111, 260-267	101
1934	Changes in the composition of ichthyoplankton assemblage and plastic debris in mangrove creeks relative to moon phases. <b>2016</b> , 89, 619-40	41
1933	Microplastics profile along the Rhine River. <b>2015</b> , 5, 17988	377
1932	Plastic waste cycle biomimicry of natural nutrient cycle [An integrated technology case study. <b>2016</b> ,	
1931	Nature of Plastic Marine Pollution in the Subtropical Gyres. <b>2016</b> , 135-162	8
1930	The degradation potential of PET bottles in the marine environment: An ATR-FTIR based approach. <b>2016</b> , 6, 23501	129
1929	Abundance and composition of marine litter around Gökçeada Island (Northern Aegean Sea). <b>2016</b> , 19, 461-467	5
1928	Beach debris on Aruba, Southern Caribbean: Attribution to local land-based and distal marine-based sources. <b>2016</b> , 106, 49-57	38
1927	Plastic ingestion by fish in the Southern Hemisphere: A baseline study and review of methods. <b>2016</b> , 107, 286-291	84
1926	Evidence of microbeads from personal care product contaminating the sea. <b>2016</b> , 109, 582-585	74
1925	The preliminary assessment of abundance and composition of marine beach debris in the northern Persian Gulf, Bandar Abbas City, Iran. <b>2016</b> , 96, 131-135	45
1924	Time-of-flight secondary ion mass spectrometry (ToF-SIMS)-based analysis and imaging of polyethylene microplastics formation during sea surf simulation. <b>2016</b> , 563-564, 261-6	40
1923	Looking for Oil-free Building Materials Clay Pipes to Replace Polymer Pipes. <b>2016</b> , 22, 343-350	1

1922	Depolymerization of end-of-life poly(dimethylsilazane) with boron trifluoride diethyl etherate to produce difluorodimethylsilane as useful commodity. <b>2016</b> , 191, 1189-1193	1
1921	Microbial hitchhikers on marine plastic debris: Human exposure risks at bathing waters and beach environments. <b>2016</b> , 118, 10-9	170
1920	Strategies for reducing ocean plastic debris should be diverse and guided by science. <b>2016</b> , 11, 041001	38
1919	Occurrence of microplastics in the beach sand of the Chinese inner sea: the Bohai Sea. <b>2016</b> , 214, 722-730	206
1918	Styrofoam Debris as a Source of Hazardous Additives for Marine Organisms. <b>2016</b> , 50, 4951-60	119
1917	Plastic ingestion by a generalist seabird on the coast of Uruguay. <b>2016</b> , 107, 71-76	27
1916	Microplastic pollution in lakes and lake shoreline sediments - A case study on Lake Bolsena and Lake Chiusi (central Italy). <b>2016</b> , 213, 648-657	304
1915	Environment and gut morphology influence microplastic retention in langoustine, <i>Nephrops norvegicus</i> . <b>2016</b> , 214, 859-865	120
1914	Microplastic pollution of the beaches of Guanabara Bay, Southeast Brazil. <b>2016</b> , 128, 10-17	92
1913	First evaluation of neustonic microplastics in Black Sea waters. <b>2016</b> , 119, 22-30	89
1912	Trends in Wildlife Research: A Bibliometric Approach. <b>2016</b> , 1-28	
1911	Nanoparticle Ecotoxicology. <b>2016</b> , 343-450	8
1910	Presence of microplastics and nanoplastics in food, with particular focus on seafood. <b>2016</b> , 14, e04501	161
1909	Towards the suitable monitoring of ingestion of microplastics by marine biota: A review. <b>2016</b> , 218, 1200-1208	135
1908	Recyclable plastics as substrata for settlement and growth of bryozoans <i>Bugula neritina</i> and barnacles <i>Amphibalanus amphitrite</i> . <b>2016</b> , 218, 973-980	27
1907	Sources and sinks of plastic debris in estuaries: A conceptual model integrating biological, physical and chemical distribution mechanisms. <b>2016</b> , 113, 7-16	83
1906	Leachate from microplastics impairs larval development in brown mussels. <b>2016</b> , 106, 364-370	165
1905	Advance Polymers and Its Applications. <b>2016</b> , 119-146	

1904	Beach litter occurrence in sandy littorals: The potential role of urban areas, rivers and beach users in central Italy. <b>2016</b> , 181, 231-237	53
1903	Recyclable Thermosets Based on Dynamic Amidation and Aza-Michael Addition Chemistry. <b>2016</b> , 49, 7814-7824	29
1902	Sources, Distribution, and Fate of Microscopic Plastics in Marine Environments. <b>2016</b> , 121-133	11
1901	Colonization of Polystyrene Microparticles by <i>Vibrio crassostreae</i> : Light and Electron Microscopic Investigation. <b>2016</b> , 50, 10988-10996	76
1900	Plastics and other anthropogenic debris in freshwater birds from Canada. <b>2016</b> , 571, 251-8	100
1899	Floating plastic debris in the Central and Western Mediterranean Sea. <b>2016</b> , 120, 136-44	96
1898	Plastics and microplastics on recreational beaches in Punta del Este (Uruguay): Unseen critical residents?. <b>2016</b> , 218, 931-941	63
1897	White-faced storm-petrels <i>Pelagodroma marina</i> predated by gulls as biological monitors of plastic pollution in the pelagic subtropical Northeast Atlantic. <b>2016</b> , 112, 117-122	22
1896	Long-term microplastic retention causes reduced body condition in the langoustine, <i>Nephrops norvegicus</i> . <b>2016</b> , 218, 895-900	173
1895	Large amounts of marine debris found in sperm whales stranded along the North Sea coast in early 2016. <b>2016</b> , 112, 134-141	51
1894	A study of wrecked Dovekies ( <i>Alle alle</i> ) in the western North Atlantic highlights the importance of using standardized methods to quantify plastic ingestion. <b>2016</b> , 113, 75-80	27
1893	Uptake, accumulation and elimination of polystyrene microspheres in tadpoles of <i>Xenopus tropicalis</i> . <b>2016</b> , 164, 611-617	86
1892	Plastic ingestion by Newell's ( <i>Puffinus newelli</i> ) and wedge-tailed shearwaters ( <i>Ardenna pacifica</i> ) in Hawaii. <b>2016</b> , 23, 23951-23958	18
1891	Microplastic pollution in the Greenland Sea: Background levels and selective contamination of planktivorous diving seabirds. <b>2016</b> , 219, 1131-1139	143
1890	Microplastics in aquatic environments: Implications for Canadian ecosystems. <b>2016</b> , 218, 269-280	283
1889	Microplastic Size-Dependent Toxicity, Oxidative Stress Induction, and p-JNK and p-p38 Activation in the Monogonont Rotifer ( <i>Brachionus koreanus</i> ). <b>2016</b> , 50, 8849-57	556
1888	State-space modelling of geolocation data reveals sex differences in the use of management areas by breeding northern fulmars. <b>2016</b> , 53, 1880-1889	5
1887	The degree of acetylation affects the microbial degradability of mannans. <b>2016</b> , 133, 36-46	12

1886	Microplastic in surface waters of urban rivers: concentration, sources, and associated bacterial assemblages. <b>2016</b> , 7, e01556	251
1885	Sea surface microplastics in Slovenian part of the Northern Adriatic. <b>2016</b> , 113, 392-399	74
1884	Effects of nanoplastics and microplastics on toxicity, bioaccumulation, and environmental fate of phenanthrene in fresh water. <b>2016</b> , 219, 166-173	319
1883	Polystyrene influences bacterial assemblages in <i>Arenicola marina</i> -populated aquatic environments in vitro. <b>2016</b> , 219, 219-227	27
1882	The effect of particle properties on the depth profile of buoyant plastics in the ocean. <b>2016</b> , 6, 33882	125
1881	Synthesis and characterization of proton exchange membrane employing waste polystyrene as precursor. <b>2016</b> , 1, 35-42	1
1880	Governing the Global Food System Towards the Sustainocene with Artificial Photosynthesis. <b>2016</b> , 373-406	
1879	Valorization of polyethylene degradation products by blending with PHB biopolyester. <b>2016</b> , 91, 1623-1628	6
1878	Abundance and characteristics of microplastics in beach sediments: Insights into microplastic accumulation in northern Gulf of Mexico estuaries. <b>2016</b> , 109, 178-183	157
1877	Biofilms on Plastic Debris and Their Influence on Marine Nutrient Cycling, Productivity, and Hazardous Chemical Mobility. <b>2016</b> , 221-233	27
1876	Measuring Consumer Responses to a Bottled Water Tax Policy. <b>2016</b> , 98, 981-996	8
1875	Evaluation of microplastics in Jurujuba Cove, Niterói RJ, Brazil, an area of mussels farming. <b>2016</b> , 110, 555-558	64
1874	Date-prints on stranded macroplastics: Inferring the timing and extent of overwash deposition on the Skallingen peninsula, Denmark. <b>2016</b> , 109, 373-377	6
1873	Novel bacterial consortia isolated from plastic garbage processing areas demonstrated enhanced degradation for low density polyethylene. <b>2016</b> , 23, 18307-19	54
1872	In situ ingestion of microfibrils by meiofauna from sandy beaches. <b>2016</b> , 216, 584-590	54
1871	Ingestion of microplastics by demersal fish from the Spanish Atlantic and Mediterranean coasts. <b>2016</b> , 109, 55-60	303
1870	Factors influencing the detection of beach plastic debris. <b>2016</b> , 119, 245-51	46
1869	Origin of marine debris is related to disposable packs of ultra-processed food. <b>2016</b> , 109, 192-195	27



1868	Sources and sinks of microplastics in Canadian Lake Ontario nearshore, tributary and beach sediments. <b>2016</b> , 110, 383-395	344
1867	Marine debris: Implications for conservation of rocky reefs in Manabi, Ecuador (Se Pacific Coast). <b>2016</b> , 109, 7-13	9
1866	Plastic waste in the marine environment: A review of sources, occurrence and effects. <b>2016</b> , 566-567, 333-349	645
1865	Sinking rates of microplastics and potential implications of their alteration by physical, biological, and chemical factors. <b>2016</b> , 109, 310-319	242
1864	Transfer of benzo[a]pyrene from microplastics to Artemia nauplii and further to zebrafish via a trophic food web experiment: CYP1A induction and visual tracking of persistent organic pollutants. <b>2016</b> , 35, 1656-66	324
1863	Effects of even and odd number fatty acids cofeeding on PHA production and composition in Pseudomonas putida Bet001 isolated from palm oil mill effluent. <b>2016</b> , 63, 92-100	4
1862	Microplastics in the Mediterranean Sea: Deposition in coastal shallow sediments, spatial variation and preferential grain size. <b>2016</b> , 115, 1-10	303
1861	The geological cycle of plastics and their use as a stratigraphic indicator of the Anthropocene. <b>2016</b> , 13, 4-17	387
1860	Spatial distribution of floating marine debris in offshore continental Portuguese waters. <b>2016</b> , 104, 269-78	20
1859	Microbial colonization and degradation of polyethylene and biodegradable plastic bags in temperate fine-grained organic-rich marine sediments. <b>2016</b> , 103, 168-178	87
1858	Online information search and decision making: Effects of web search stance. <b>2016</b> , 56, 103-118	18
1857	Effects of conventional and biodegradable microplastics on a marine ecosystem engineer (Arenicola marina) and sediment nutrient cycling. <b>2016</b> , 208, 426-34	195
1856	The behaviors of microplastics in the marine environment. <b>2016</b> , 113, 7-17	354
1855	Plastic ingestion by pelagic and demersal fish from the North Sea and Baltic Sea. <b>2016</b> , 102, 134-41	342
1854	Microscopic anthropogenic litter in terrestrial birds from Shanghai, China: Not only plastics but also natural fibers. <b>2016</b> , 550, 1110-1115	178
1853	A Canadian policy framework to mitigate plastic marine pollution. <b>2016</b> , 68, 117-122	100
1852	Short-term exposure with high concentrations of pristine microplastic particles leads to immobilisation of Daphnia magna. <b>2016</b> , 153, 91-9	257
1851	Microplastics in the Terrestrial Ecosystem: Implications for Lumbricus terrestris (Oligochaeta, Lumbricidae). <b>2016</b> , 50, 2685-91	526

1850	Enhancing public awareness and promoting co-responsibility for marine litter in Europe: The challenge of MARLISCO. <b>2016</b> , 102, 309-15	62
1849	Plastic mulching in agriculture. Trading short-term agronomic benefits for long-term soil degradation?. <b>2016</b> , 550, 690-705	590
1848	Oyster reproduction is affected by exposure to polystyrene microplastics. <b>2016</b> , 113, 2430-5	788
1847	Biofouling on buoyant marine plastics: An experimental study into the effect of size on surface longevity. <b>2016</b> , 210, 354-60	273
1846	Discharges to the Sea. <b>2016</b> , 125-168	4
1845	Microplastic contamination in natural mussel beds from a Brazilian urbanized coastal region: Rapid evaluation through bioassessment. <b>2016</b> , 106, 183-9	122
1844	Hazards in hanging gardens: A report on failures of recognition by green turtles and their conservation implications. <b>2016</b> , 105, 98-101	5
1843	Redefining pollution and action: The matter of plastics. <b>2016</b> , 21, 87-110	68
1842	Is there any consistency between the microplastics found in the field and those used in laboratory experiments?. <b>2016</b> , 211, 111-23	260
1841	Feeding type affects microplastic ingestion in a coastal invertebrate community. <b>2016</b> , 102, 95-101	218
1840	Implications of observed PBDE diffusion coefficients in low density polyethylene and silicone rubber. <b>2016</b> , 18, 87-94	34
1839	Microplastics in the aquatic and terrestrial environment: sources (with a specific focus on personal care products), fate and effects. <b>2016</b> , 28, 2	653
1838	Conversion of Poly(methylhydrosiloxane) Waste to Useful Commodities. <b>2016</b> , 146, 345-352	10
1837	Microplastics as vector for heavy metal contamination from the marine environment. <b>2016</b> , 178, 189-195	631
1836	The flip-or-flop boutique: Marine debris on the shores of St Brandon's rock, an isolated tropical atoll in the Indian Ocean. <b>2016</b> , 114, 58-64	52
1835	Are we eating plastic-ingesting fish?. <b>2016</b> , 103, 109-114	114
1834	Plastic and marine turtles: a review and call for research. <b>2016</b> , 73, 165-181	169
1833	Effects of Toxic Leachate from Commercial Plastics on Larval Survival and Settlement of the Barnacle Amphibalanus amphitrite. <b>2016</b> , 50, 924-31	139

1832	Small-scale temporal and spatial variability in the abundance of plastic pellets on sandy beaches: Methodological considerations for estimating the input of microplastics. <b>2016</b> , 102, 114-21	50
1831	Qualitative impact of salinity, UV radiation and turbulence on leaching of organic plastic additives from four common plastics - A lab experiment. <b>2016</b> , 102, 84-94	162
1830	The ecological impacts of marine debris: unraveling the demonstrated evidence from what is perceived. <b>2016</b> , 97, 302-12	283
1829	Evaluation of the effect of reprocessing on the structure and properties of low density polyethylene/thermoplastic starch blends. <b>2016</b> , 136, 210-5	75
1828	Response of indigenously developed bacterial consortia in progressive degradation of polyvinyl chloride. <b>2016</b> , 253, 1023-32	23
1827	Plastics and microplastics in the oceans: From emerging pollutants to emerged threat. <b>2017</b> , 128, 2-11	560
1826	Spatial and temporal variation of macro-, meso- and microplastic abundance on a remote coral island of the Maldives, Indian Ocean. <b>2017</b> , 116, 340-347	129
1825	Abiotic and biotic environmental degradation of the bioplastic polymer poly(lactic acid): A review. <b>2017</b> , 137, 122-130	232
1824	Microplastic litter composition of the Turkish territorial waters of the Mediterranean Sea, and its occurrence in the gastrointestinal tract of fish. <b>2017</b> , 223, 286-294	331
1823	Material properties of the cyanobacterial reserve polymer multi-l-arginyl-poly-l-aspartate (cyanophycin). <b>2017</b> , 109, 238-245	13
1822	Marine anthropogenic litter on British beaches: A 10-year nationwide assessment using citizen science data. <b>2017</b> , 579, 1399-1409	146
1821	Is the feeding type related with the content of microplastics in intertidal fish gut?. <b>2017</b> , 116, 498-500	152
1820	Marine litter on deep Arctic seafloor continues to increase and spreads to the North at the HAUSGARTEN observatory. <b>2017</b> , 120, 88-99	104
1819	Microplastics en route: Field measurements in the Dutch river delta and Amsterdam canals, wastewater treatment plants, North Sea sediments and biota. <b>2017</b> , 101, 133-142	507
1818	Ingestion of marine debris by the White-chinned Petrel ( <i>Procellaria aequinoctialis</i> ): Is it increasing over time off southern Brazil?. <b>2017</b> , 117, 131-135	18
1817	Spatial distribution and seasonality of ichthyoplankton and anthropogenic debris in a river delta in the Caribbean Sea. <b>2017</b> , 90, 1356-1387	19
1816	Microplastics in freshwater and terrestrial environments: Evaluating the current understanding to identify the knowledge gaps and future research priorities. <b>2017</b> , 586, 127-141	1226
1815	Levels of ingested debris vary across species in Canadian Arctic seabirds. <b>2017</b> , 116, 517-520	45

1814	Is Biodegradable Plastic Mulch the Solution to Agriculture's Plastic Problem?. <b>2017</b> , 51, 1068-1069	146
1813	Plastic debris straps on threatened blue shark <i>Prionace glauca</i> . <b>2017</b> , 115, 436-438	20
1812	SOFIAB choices: Discourses, values, and norms of the World Ocean Regime. <b>2017</b> , 78, 26-33	9
1811	Exceptionally high abundances of microplastics in the oligotrophic Israeli Mediterranean coastal waters. <b>2017</b> , 116, 151-155	124
1810	An automated approach for microplastics analysis using focal plane array (FPA) FTIR microscopy and image analysis. <b>2017</b> , 9, 1499-1511	224
1809	Fate of Eight Different Polymers under Uncontrolled Composting Conditions: Relationships Between Deterioration, Biofilm Formation, and the Material Surface Properties. <b>2017</b> , 51, 1988-1997	23
1808	Adverse effects of microplastics and oxidative stress-induced MAPK/Nrf2 pathway-mediated defense mechanisms in the marine copepod <i>Paracyclopsina nana</i> . <b>2017</b> , 7, 41323	183
1807	An analysis of barriers for plastic recycling in the Indian plastic industry. <b>2017</b> , 24, 415-430	32
1806	Effects of micro- and nanoplastics on aquatic ecosystems: Current research trends and perspectives. <b>2017</b> , 124, 624-632	310
1805	International policies to reduce plastic marine pollution from single-use plastics (plastic bags and microbeads): A review. <b>2017</b> , 118, 17-26	502
1804	Floating macro-litter along the Mediterranean French coast: Composition, density, distribution and overlap with cetacean range. <b>2017</b> , 118, 155-166	41
1803	Widespread microplastic ingestion by fish assemblages in tropical estuaries subjected to anthropogenic pressures. <b>2017</b> , 117, 448-455	148
1802	Marine debris in five national parks in Alaska. <b>2017</b> , 117, 371-379	15
1801	Fugacity analysis of polycyclic aromatic hydrocarbons between microplastics and seawater. <b>2017</b> , 52, 43-55	15
1800	Assessment of marine debris on the coastal wetland of Martil in the North-East of Morocco. <b>2017</b> , 117, 302-310	33
1799	Enhanced biodegradation of low and high-density polyethylene by novel bacterial consortia formulated from plastic-contaminated cow dung under thermophilic conditions. <b>2017</b> , 24, 8443-8457	46
1798	Plastic Waste Problem and Education for Plastic Waste Management. <b>2017</b> , 125-140	19
1797	Degradation of common polymer ropes in a sublittoral marine environment. <b>2017</b> , 118, 248-253	81

1796	Microplastic in the surface waters of the Ross Sea (Antarctica): Occurrence, distribution and characterization by FTIR. <b>2017</b> , 175, 391-400	280
1795	Amberstripe scad <i>Decapterus muroadsi</i> (Carangidae) fish ingest blue microplastics resembling their copepod prey along the coast of Rapa Nui (Easter Island) in the South Pacific subtropical gyre. <b>2017</b> , 586, 430-437	266
1794	Distribution pattern of anthropogenic marine debris along the gastrointestinal tract of green turtles ( <i>Chelonia mydas</i> ) as implications for rehabilitation. <b>2017</b> , 119, 231-237	22
1793	Plastic litter in sediments from the coasts of south Tuscany (Tyrrhenian Sea). <b>2017</b> , 119, 372-375	50
1792	Charge-decay electrostatic separation for removing Polyvinyl chloride from mixed plastic wastes. <b>2017</b> , 157, 148-154	11
1791	Monitoring of styrene oligomers as indicators of polystyrene plastic pollution in the North-West Pacific Ocean. <b>2017</b> , 180, 500-505	23
1790	Degradation of Various Plastics in the Environment. <b>2017</b> , 71-92	32
1789	Simultaneous Trace Identification and Quantification of Common Types of Microplastics in Environmental Samples by Pyrolysis-Gas Chromatography-Mass Spectrometry. <b>2017</b> , 51, 5052-5060	253
1788	Exceptional and rapid accumulation of anthropogenic debris on one of the world's most remote and pristine islands. <b>2017</b> , 114, 6052-6055	227
1787	Occurrence of Marine Litter in the Marine Environment: A World Panorama of Floating and Seafloor Plastics. <b>2017</b> , 93-120	7
1786	Investigation of plastic debris ingestion by four species of sea turtles collected as bycatch in pelagic Pacific longline fisheries. <b>2017</b> , 120, 117-125	49
1785	50th Anniversary Perspective: There Is a Great Future in Sustainable Polymers. <b>2017</b> , 50, 3733-3749	470
1784	From the sea to the laboratory: Characterization of microplastic as prerequisite for the assessment of ecotoxicological impact. <b>2017</b> , 13, 500-504	38
1783	Synthetic fibers as microplastics in the marine environment: A review from textile perspective with a focus on domestic washings. <b>2017</b> , 598, 1116-1129	311
1782	Microplastics in the Antarctic marine system: An emerging area of research. <b>2017</b> , 598, 220-227	354
1781	Trophic transfer of microplastics in aquatic ecosystems: Identifying critical research needs. <b>2017</b> , 13, 505-509	110
1780	Sensor array for the detection of organic and inorganic contaminants in post-consumer recycled plastics for food contact. <b>2017</b> , 34, 1681-1689	3
1779	Current understanding of microplastics in the environment: Occurrence, fate, risks, and what we should do. <b>2017</b> , 13, 476-482	120

1778	The plastic in microplastics: A review. <b>2017</b> , 119, 12-22	761
1777	Trophic transfer of microplastics does not affect fish personality. <b>2017</b> , 123, 159-167	77
1776	Microplastics ingestion by a common tropical freshwater fishing resource. <b>2017</b> , 221, 218-226	156
1775	First detection of seven phthalate esters (PAEs) as plastic tracers in superficial neustonic/planktonic samples and cetacean blubber. <b>2017</b> , 9, 1512-1520	59
1774	Gaps in aquatic toxicological studies of microplastics. <b>2017</b> , 184, 841-848	59
1773	Are There Nanoplastics in Your Personal Care Products?. <b>2017</b> , 4, 280-285	262
1772	Impacts of Biofilm Formation on the Fate and Potential Effects of Microplastic in the Aquatic Environment. <b>2017</b> , 4, 258-267	504
1771	Occurrence and effects of plastic additives on marine environments and organisms: A review. <b>2017</b> , 182, 781-793	452
1770	Plastic litter in streams: The behavioral archaeology of a pervasive environmental problem. <b>2017</b> , 84, 93-101	17
1769	An estimation of the average residence times and onshore-offshore diffusivities of beached microplastics based on the population decay of tagged meso- and macrolitter. <b>2017</b> , 122, 17-26	46
1768	Microplastics in gut contents of coastal freshwater fish from R� de la Plata estuary. <b>2017</b> , 122, 85-90	131
1767	Beach macro-litter monitoring and floating microplastic in a coastal area of Indonesia. <b>2017</b> , 122, 217-225	102
1766	River plastic emissions to the world's oceans. <b>2017</b> , 8, 15611	1354
1765	Chemical recycling of waste plastics for new materials production. <b>2017</b> , 1,	509
1764	Finding the missing piece of the aquatic plastic pollution puzzle: Interaction between primary producers and microplastics. <b>2017</b> , 2, 91-104	109
1763	Characterization of oxidized oligomers from polyethylene films by mass spectrometry and NMR spectroscopy before and after biodegradation by a <i>Rhodococcus rhodochrous</i> strain. <b>2017</b> , 184, 366-374	37
1762	Abundance and composition of near surface microplastics and plastic debris in the Stockholm Archipelago, Baltic Sea. <b>2017</b> , 120, 292-302	117
1761	Plastic debris in the Mediterranean Sea: Types, occurrence and distribution along Adriatic shorelines. <b>2017</b> , 67, 385-391	52

1760	Survey on the presence of non-dioxine-like PCBs (NDL-PCBs) in loggerhead turtles ( <i>Caretta caretta</i> ) stranded in south Mediterranean coasts (Sicily, Southern Italy). <b>2017</b> , 36, 2997-3002	9
1759	Interactions between polystyrene microplastics and marine phytoplankton lead to species-specific hetero-aggregation. <b>2017</b> , 228, 454-463	175
1758	Characterisation of plastic microbeads in facial scrubs and their estimated emissions in Mainland China. <b>2017</b> , 122, 53-61	198
1757	Experimental development of a plastic bottle usable as a construction building block created out of polyethylene terephthalate: Testing PET(b)rick 1.0. <b>2017</b> , 12, 239-247	6
1756	Ubiquity of microplastics in coastal seafloor sediments. <b>2017</b> , 121, 104-110	94
1755	Temporal Dynamics of Bacterial and Fungal Colonization on Plastic Debris in the North Sea. <b>2017</b> , 51, 7350-7360	118
1754	Relevant factors for the eco-design of polylactide/sisal biocomposites to control biodegradation in soil in an end-of-life scenario. <b>2017</b> , 143, 9-19	32
1753	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). <b>2017</b> , 225, 211-222	201
1752	Plastic Bag Derived-Microplastics as a Vector for Metal Exposure in Terrestrial Invertebrates. <b>2017</b> , 51, 4714-4721	308
1751	Seasonal dynamics of marine litter along the Bulgarian Black Sea coast. <b>2017</b> , 119, 110-118	54
1750	Rapid and Efficient Method for the Detection of Microplastic in the Gastrointestinal Tract of Fishes. <b>2017</b> , 51, 4522-4530	91
1749	Distribution and importance of microplastics in the marine environment: A review of the sources, fate, effects, and potential solutions. <b>2017</b> , 102, 165-176	990
1748	Composite panels obtained from automotive waste plastics and agricultural macadamia shell waste. <b>2017</b> , 151, 163-171	42
1747	Transport of microplastics by two collembolan species. <b>2017</b> , 225, 456-459	187
1746	A rapid-screening approach to detect and quantify microplastics based on fluorescent tagging with Nile Red. <b>2017</b> , 7, 44501	326
1745	Micro- and mesoplastics in Northeast Levantine coast of Turkey: The preliminary results from surface samples. <b>2017</b> , 118, 341-347	67
1744	Transboundary movement of marine litter in an estuarine gradient: Evaluating sources and sinks using hydrodynamic modelling and ground truthing estimates. <b>2017</b> , 119, 48-63	39
1743	Sustainable Fabrication of Protective Nanoscale TiN Thin Film on a Metal Substrate by Using Automotive Waste Plastics. <b>2017</b> , 5, 1549-1556	4

1742	Microplastic pollution in Vembanad Lake, Kerala, India: The first report of microplastics in lake and estuarine sediments in India. <b>2017</b> , 222, 315-322	233
1741	Ingestion of microplastics by natural zooplankton groups in the northern South China Sea. <b>2017</b> , 115, 217-224	189
1740	Microplastic ingestion reduces energy intake in the clam <i>Atactodea striata</i> . <b>2017</b> , 124, 798-802	84
1739	Using nudges to reduce waste? The case of Toronto's plastic bag levy. <b>2017</b> , 188, 153-162	63
1738	Floating Marine Debris in waters of the Mexican Central Pacific. <b>2017</b> , 115, 225-232	25
1737	Field evidence for transfer of plastic debris along a terrestrial food chain. <b>2017</b> , 7, 14071	274
1736	Macrofouling communities and the degradation of plastic bags in the sea: an experiment. <b>2017</b> , 4, 170549	35
1735	Coastal debris survey in a Remote Island of the Chilean Northern Patagonia. <b>2017</b> , 125, 530-534	20
1734	Transport of microplastics in coastal seas. <b>2017</b> , 199, 74-86	257
1733	Export of microplastics from land to sea. A modelling approach. <b>2017</b> , 127, 249-257	234
1732	Shift in Mass Transfer of Wastewater Contaminants from Microplastics in the Presence of Dissolved Substances. <b>2017</b> , 51, 12254-12263	79
1731	A large-scale investigation of microplastic contamination: Abundance and characteristics of microplastics in European beach sediment. <b>2017</b> , 123, 219-226	198
1730	Plastic as a Persistent Marine Pollutant. <b>2017</b> , 42, 1-26	316
1729	Evaluation of the Munich Plastic Sediment Separator efficiency in extraction of microplastics from natural marine bottom sediments. <b>2017</b> , 15, 967-978	37
1728	Effects of polystyrene microplastics on the fitness of earthworms in an agricultural soil. <b>2017</b> , 61, 012148	73
1727	Production, use, and fate of all plastics ever made. <b>2017</b> , 3, e1700782	4481
1726	Seabirds and marine plastic debris in the northeastern Atlantic: A synthesis and recommendations for monitoring and research. <b>2017</b> , 231, 1291-1301	42
1725	Brain damage and behavioural disorders in fish induced by plastic nanoparticles delivered through the food chain. <b>2017</b> , 7, 11452	281



1724	Baseline evaluation of sediment contamination in the shallow coastal areas of Saudi Arabian Red Sea. <b>2017</b> , 123, 205-218	24
1723	Characteristic of microplastics in the atmospheric fallout from Dongguan city, China: preliminary research and first evidence. <b>2017</b> , 24, 24928-24935	335
1722	Microplastics as a vector for the transport of the bacterial fish pathogen species <i>Aeromonas salmonicida</i> . <b>2017</b> , 125, 301-309	180
1721	Recent Advances in Processing of Stereocomplex-Type Polylactide. <b>2017</b> , 38, 1700454	91
1720	Microplastics in Spanish Table Salt. <b>2017</b> , 7, 8620	154
1719	Microplastic pollution in the surface waters of the Bohai Sea, China. <b>2017</b> , 231, 541-548	237
1718	Marine litter in the Nordic Seas: Distribution composition and abundance. <b>2017</b> , 125, 260-270	53
1717	Recovering microplastics from marine samples: A review of current practices. <b>2017</b> , 123, 6-18	131
1716	Microplastic pollution in deposited urban dust, Tehran metropolis, Iran. <b>2017</b> , 24, 20360-20371	201
1715	Response of soil dissolved organic matter to microplastic addition in Chinese loess soil. <b>2017</b> , 185, 907-917	247
1714	A small-scale, portable method for extracting microplastics from marine sediments. <b>2017</b> , 230, 829-837	226
1713	Spatial distribution of marine debris on the seafloor of Moroccan waters. <b>2017</b> , 124, 303-313	18
1712	The occurrence of microplastic contamination in littoral sediments of the Persian Gulf, Iran. <b>2017</b> , 24, 20459-20468	98
1711	Utilizing CO <sub>2</sub> to suppress the generation of harmful chemicals from thermal degradation of polyvinyl chloride. <b>2017</b> , 162, 1465-1471	20
1710	Chemoreception drives plastic consumption in a hard coral. <b>2017</b> , 124, 198-205	104
1709	Microplastics in livers of European anchovies ( <i>Engraulis encrasicolus</i> , L.). <b>2017</b> , 229, 1000-1005	199
1708	Effects of microplastics on sessile invertebrates in the eastern coast of Thailand: An approach to coastal zone conservation. <b>2017</b> , 124, 349-355	84
1707	Small plastic debris in sediments from the Central Adriatic Sea: Types, occurrence and distribution. <b>2017</b> , 124, 435-440	45

1706	Degradation of Plastics. <b>2017</b> , 235-247	6
1705	Plastic and other microfibers in sediments, macroinvertebrates and shorebirds from three intertidal wetlands of southern Europe and west Africa. <b>2017</b> , 231, 123-133	105
1704	Microplastics alter composition of fungal communities in aquatic ecosystems. <b>2017</b> , 19, 4447-4459	108
1703	Microplastic pollution, a threat to marine ecosystem and human health: a short review. <b>2017</b> , 24, 21530-21547	349
1702	Microplastic ingestion by <i>Mullus surmuletus</i> Linnaeus, 1758 fish and its potential for causing oxidative stress. <b>2017</b> , 159, 135-142	178
1701	Marine litter from beach-based sources: Case study of an Eastern Mediterranean coastal town. <b>2017</b> , 69, 535-544	42
1700	Human Impacts. 26-67	
1699	Influence of Natural Fillers Size and Shape into Mechanical and Barrier Properties of Biocomposites. <b>2017</b> , 459-487	0
1698	Abundant plankton-sized microplastic particles in shelf waters of the northern Gulf of Mexico. <b>2017</b> , 230, 798-809	98
1697	Other Contaminants of Emerging Concern. <b>2017</b> , 453-486	
1696	Sustaining anti-littering behavior within coastal and marine environments: Through the macro-micro level lenses. <b>2017</b> , 119, 87-99	18
1695	Lost, but Found with Nile Red: A Novel Method for Detecting and Quantifying Small Microplastics (1 mm to 20 $\mu$ m) in Environmental Samples. <b>2017</b> , 51, 13641-13648	329
1694	Microplastics in the sediments of Terra Nova Bay (Ross Sea, Antarctica). <b>2017</b> , 122, 161-165	144
1693	Beach litter sourcing: A trawl along the Northern Ireland coastline. <b>2017</b> , 122, 47-64	21
1692	Loggerhead sea turtles ( <i>Caretta caretta</i> ): A target species for monitoring litter ingested by marine organisms in the Mediterranean Sea. <b>2017</b> , 230, 199-209	48
1691	OSPAR standard method and software for statistical analysis of beach litter data. <b>2017</b> , 122, 166-175	30
1690	Inter-annual variation in the density of anthropogenic debris in the Tasman Sea. <b>2017</b> , 124, 51-55	18
1689	The First Evaluation of Microplastics in Sediments from the Complex Lagoon-Channel of Bizerte (Northern Tunisia). <b>2017</b> , 228, 1	78

1688	Effects of dietary polyvinylchloride microparticles on general health, immune status and expression of several genes related to stress in gilthead seabream ( <i>Sparus aurata</i> L.). <b>2017</b> , 68, 251-259	80
1687	Microplastics in Baltic bottom sediments: Quantification procedures and first results. <b>2017</b> , 114, 724-732	134
1686	Fate of nano- and microplastic in freshwater systems: A modeling study. <b>2017</b> , 220, 540-548	360
1685	Comprehensive analysis and quantification of national plastic flows: The case of Austria. <b>2017</b> , 117, 183-194	54
1684	Long-term 2007-2013 monitoring of reproductive disturbance in the dun sentinel <i>Assiminea grayana</i> with regard to polymeric materials pollution at the coast of Lower Saxony, North Sea, Germany. <b>2017</b> , 24, 3352-3362	13
1683	Anthropogenic debris in the nests of kelp gulls in South Africa. <b>2017</b> , 114, 699-704	40
1682	Microplastic in Aquatic Ecosystems. <b>2017</b> , 56, 1720-1739	321
1681	A standardized method for sampling and extraction methods for quantifying microplastics in beach sand. <b>2017</b> , 114, 77-83	156
1680	Marine pollution originating from purse seine and longline fishing vessel operations in the Western and Central Pacific Ocean, 2003-2015. <b>2017</b> , 46, 190-200	18
1679	Presence of microplastic in the digestive tracts of European flounder, <i>Platichthys flesus</i> , and European smelt, <i>Osmerus eperlanus</i> , from the River Thames. <b>2017</b> , 220, 744-751	112
1678	Grab vs. neuston tow net: a microplastic sampling performance comparison and possible advances in the field. <b>2017</b> , 9, 1446-1453	143
1677	Quantifying ingested debris in marine megafauna: a review and recommendations for standardization. <b>2017</b> , 9, 1454-1469	206
1676	Plastic pollution on the Baltic beaches of Kaliningrad region, Russia. <b>2017</b> , 114, 1072-1080	95
1675	Large microplastic particles in sediments of tributaries of the River Thames, UK - Abundance, sources and methods for effective quantification. <b>2017</b> , 114, 218-226	420
1674	Incorporation of microplastics from litter into burrows of <i>Lumbricus terrestris</i> . <b>2017</b> , 220, 523-531	305
1673	Risk assessment reveals high exposure of sea turtles to marine debris in French Mediterranean and metropolitan Atlantic waters. <b>2017</b> , 141, 319-328	32
1672	Toxic effects of microplastic on marine microalgae <i>Skeletonema costatum</i> : Interactions between microplastic and algae. <b>2017</b> , 220, 1282-1288	334
1671	Sources, composition and spatial distribution of marine debris along the Mediterranean coast of Israel. <b>2017</b> , 114, 1036-1045	61

1670	How well is microlitter purified from wastewater? - A detailed study on the stepwise removal of microlitter in a tertiary level wastewater treatment plant. <b>2017</b> , 109, 164-172	345
1669	Mikroplastik in aquatischen Ökosystemen. <b>2017</b> , 129, 1744-1764	10
1668	Effects of biofouling on the sinking behavior of microplastics. <b>2017</b> , 12, 124003	224
1667	Community-wide patterns of plastic ingestion in seabirds breeding at French Frigate Shoals, Northwestern Hawaiian Islands. <b>2017</b> , 123, 269-278	23
1666	Finite element analysis of plastic recycling machine designed for production of thin filament coil. <b>2017</b> , 36, 411	2
1665	Current Advances in Strategies to Mitigate the Impacts of Micro/Nano Plastics: A Review. <b>2017</b> , 07,	1
1664	Energy Payback Time of a Solar Photovoltaic Powered Waste Plastic Recyclebot System. <b>2017</b> , 2, 10	26
1663	Using Numerical Model Simulations to Improve the Understanding of Micro-plastic Distribution and Pathways in the Marine Environment. <b>2017</b> , 4,	103
1662	Molecular Diagnostic for Prospecting Polyhydroxyalkanoate-Producing Bacteria. <b>2017</b> , 4,	6
1661	The Molecular Level Characterization of Biodegradable Polymers Originated from Polyethylene Using Non-Oxygenated Polyethylene Wax as a Carbon Source for Polyhydroxyalkanoate Production. <b>2017</b> , 4,	25
1660	Biodegradable and Petroleum-Based Microplastics Do Not Differ in Their Ingestion and Excretion but in Their Biological Effects in a Freshwater Invertebrate Gammarus fossarum. <b>2017</b> , 14,	81
1659	Lagrangian Transport of Marine Litter in the Mediterranean Sea. <b>2017</b> , 5,	51
1658	Distribution and Modeled Transport of Plastic Pollution in the Great Lakes, the World's Largest Freshwater Resource. <b>2017</b> , 5,	72
1657	Plastic Pollution Patterns in Offshore, Nearshore and Estuarine Waters: A Case Study from Perth, Western Australia. <b>2017</b> , 4,	16
1656	Microplastics Generation: Onset of Fragmentation of Polyethylene Films in Marine Environment Mesocosms. <b>2017</b> , 4,	106
1655	Toward a Harmonized Approach for Monitoring of Riverine Floating Macro Litter Inputs to the Marine Environment. <b>2017</b> , 4,	52
1654	Microplastics Baseline Surveys at the Water Surface and in Sediments of the North-East Atlantic. <b>2017</b> , 4,	141
1653	Modeling the Fate and Distribution of Floating Litter Particles in the Aegean Sea (E. Mediterranean). <b>2017</b> , 4,	27

1652	Mikroplastik in Binnengewässern. <b>2017</b> , 1-35	3
1651	The Problem of Marine Plastic Debris. <b>2017</b> , 1-55	6
1650	Assessment. <b>2017</b> , 143-214	
1649	Recycling of polymer-polymer composites. <b>2017</b> , 263-277	8
1648	The Role of Laboratory Experiments in the Validation of Field Data. <b>2017</b> , 75, 241-273	5
1647	Socio-demographic predictors of health and environmental co-benefit behaviours for climate change mitigation in urban China. <b>2017</b> , 12, e0188661	9
1646	Marine Debris. 389-408	0
1645	Microplastics in the environment: Challenges in analytical chemistry - A review. <b>2018</b> , 1017, 1-19	348
1644	Effectiveness of a methodology of microplastics isolation for environmental monitoring in freshwater systems. <b>2018</b> , 89, 488-495	45
1643	Amount and distribution of benthic marine litter along Sardinian fishing grounds (CW Mediterranean Sea). <b>2018</b> , 75, 131-140	28
1642	Observation of the degradation of three types of plastic pellets exposed to UV irradiation in three different environments. <b>2018</b> , 628-629, 740-747	168
1641	Characterization of microplastic litter from oceans by an innovative approach based on hyperspectral imaging. <b>2018</b> , 76, 117-125	86
1640	High intake rates of microplastics in a Western Atlantic predatory fish, and insights of a direct fishery effect. <b>2018</b> , 236, 706-717	69
1639	Mitigation measures to avert the impacts of plastics and microplastics in the marine environment (a review). <b>2018</b> , 25, 9293-9310	52
1638	Quantity and types of microplastics in the organic tissues of the eastern oyster <i>Crassostrea virginica</i> and Atlantic mud crab <i>Panopeus herbstii</i> from a Florida estuary. <b>2018</b> , 129, 179-185	69
1637	Microplastic accumulation patterns and transfer of benzo[a]pyrene to adult zebrafish ( <i>Danio rerio</i> ) gills and zebrafish embryos. <b>2018</b> , 235, 918-930	122
1636	Investigating microplastic trophic transfer in marine top predators. <b>2018</b> , 238, 999-1007	397
1635	First Evaluation of Microplastic Content in Benthic Filter-feeders of the Gulf of La Spezia (Ligurian Sea). <b>2018</b> , 27, 284-291	21

1634	Marine litter in an EBSA (Ecologically or Biologically Significant Area) of the central Mediterranean Sea: Abundance, composition, impact on benthic species and basis for monitoring entanglement. <b>2018</b> , 236, 405-415	44
1633	Plastic ingestion by <i>Scyliorhinus canicula</i> trawl captured in the North Sea. <b>2018</b> , 130, 6-7	24
1632	Seasonal patterns of floating macro-litter across the Western Mediterranean Sea: a potential threat for cetacean species. <b>2018</b> , 29, 453-467	20
1631	Marine environment microfiber contamination: Global patterns and the diversity of microparticle origins. <b>2018</b> , 237, 275-284	192
1630	Toxicological effects of irregularly shaped and spherical microplastics in a marine teleost, the sheepshead minnow ( <i>Cyprinodon variegatus</i> ). <b>2018</b> , 129, 231-240	156
1629	Below the surface: Twenty-five years of seafloor litter monitoring in coastal seas of North West Europe (1992-2017). <b>2018</b> , 630, 790-798	64
1628	Contamination of table salts from Turkey with microplastics. <b>2018</b> , 35, 1006-1014	94
1627	Ecotoxicological effects of microplastics on biota: a review. <b>2018</b> , 25, 14373-14396	310
1626	Ten inconvenient questions about plastics in the sea. <b>2018</b> , 85, 146-154	42
1625	A new approach for the agglomeration and subsequent removal of polyethylene, polypropylene, and mixtures of both from freshwater systems - a case study. <b>2018</b> , 25, 15226-15234	33
1624	The Hidden Microplastics: New Insights and Figures from the Thorough Separation and Characterization of Microplastics and of Their Degradation Byproducts in Coastal Sediments. <b>2018</b> , 52, 5634-5643	86
1623	How microplastics quantities increase with flood events? An example from Mersin Bay NE Levantine coast of Turkey. <b>2018</b> , 239, 342-350	84
1622	Electrochemical technology for the treatment of real washing machine effluent at pre-pilot plant scale by using active and non-active anodes. <b>2018</b> , 818, 216-222	46
1621	Interaction of <i>Lumbricus terrestris</i> with macroscopic polyethylene and biodegradable plastic mulch. <b>2018</b> , 635, 1600-1608	35
1620	Microplastics in different tissues of fish and prawn from the Musa Estuary, Persian Gulf. <b>2018</b> , 205, 80-87	256
1619	Spatial and temporal distribution of microplastics in water and sediments of a freshwater system (AntuRiver, Portugal). <b>2018</b> , 633, 1549-1559	298
1618	Identification of Chain Scission Products Released to Water by Plastic Exposed to Ultraviolet Light. <b>2018</b> , 5, 272-276	100
1617	Interaction of toxic chemicals with microplastics: A critical review. <b>2018</b> , 139, 208-219	378

1616	Microplastics Affect Energy Balance and Gametogenesis in the Pearl Oyster <i>Pinctada margaritifera</i> . <b>2018</b> , 52, 5277-5286	98
1615	The impact of nanoplastics on marine dissolved organic matter assembly. <b>2018</b> , 634, 316-320	36
1614	Ingestion of plastic by fish destined for human consumption in remote South Pacific Islands. <b>2018</b> , 10, 81-97	24
1613	Plastic ingestion by juvenile polar cod () in the Arctic Ocean. <b>2018</b> , 41, 1269-1278	61
1612	Abundance, composition, and distribution of microplastics larger than 20 µm in sand beaches of South Korea. <b>2018</b> , 238, 894-902	103
1611	Microplastic at nesting grounds used by the northern Gulf of Mexico loggerhead recovery unit. <b>2018</b> , 131, 32-37	24
1610	Microplastics on sandy beaches of the Baja California Peninsula, Mexico. <b>2018</b> , 131, 63-71	65
1609	Plastic Biodegradation: Challenges and Opportunities. <b>2018</b> , 1-29	20
1608	Mikroplastik in der aquatischen Umwelt. <b>2018</b> , 20, 50-55	
1607	The environmental impact of dental amalgam and resin-based composite materials. <b>2018</b> , 224, 542-548	21
1606	Consistent patterns of debris on South African beaches indicate that industrial pellets and other mesoplastic items mostly derive from local sources. <b>2018</b> , 238, 1008-1016	48
1605	Turning the tide on trash: Empowering European educators and school students to tackle marine litter. <b>2018</b> , 96, 227-234	36
1604	Alert calling in port areas: Marine litter as possible secondary dispersal vector for hitchhiking invasive species. <b>2018</b> , 42, 12-18	33
1603	Strategies to modify physicochemical properties of hemicelluloses from biorefinery and paper industry for packaging material. <b>2018</b> , 17, 47-69	26
1602	Composition and abundance of marine debris stranded on the beaches of Sri Lanka: Results from the first island-wide survey. <b>2018</b> , 128, 126-131	33
1601	Microplastic analysis in the South Funen Archipelago, Baltic Sea, implementing manta trawling and bulk sampling. <b>2018</b> , 128, 601-608	76
1600	Novel methodology to isolate microplastics from vegetal-rich samples. <b>2018</b> , 129, 61-69	55
1599	Plastics in the Ocean. <b>2018</b> , 133-149	10

1598	Enhanced degradation properties of polypropylene integrated with iron and cobalt stearates and its synthetic application. <b>2018</b> , 135, 46028	8
1597	Antioxidative and antimicrobial edible chitosan films blended with stem, leaf and seed extracts of <i>Pistacia terebinthus</i> for active food packaging. <b>2018</b> , 8, 3941-3950	117
1596	Continuous Exposure to Microplastics Does Not Cause Physiological Effects in the Cultivated Mussel <i>Perna perna</i> . <b>2018</b> , 74, 594-604	64
1595	Mapping coastal marine debris using aerial imagery and spatial analysis. <b>2018</b> , 132, 52-59	46
1594	Spatio-temporal variation of anthropogenic marine debris on Chilean beaches. <b>2018</b> , 126, 516-524	75
1593	Trophic predator-prey relationships promote transport of microplastics compared with the single <i>Hypoaspis aculeifer</i> and <i>Folsomia candida</i> . <b>2018</b> , 235, 150-154	88
1592	Erosion as a possible mechanism for the decrease of size of plastic pieces floating in oceans. <b>2018</b> , 127, 387-395	31
1591	Plastic and Non-plastic Debris Ingestion in Three Gull Species Feeding in an Urban Landfill Environment. <b>2018</b> , 74, 349-360	37
1590	Differential impact of marine debris ingestion during ontogenetic dietary shift of green turtles in Uruguayan waters. <b>2018</b> , 127, 603-611	24
1589	Assessment tools for microplastics and natural fibres ingested by fish in an urbanised estuary. <b>2018</b> , 234, 552-561	101
1588	In vitro effects of virgin microplastics on fish head-kidney leucocyte activities. <b>2018</b> , 235, 30-38	81
1587	Plastic ingestion in aquatic-associated bird species in southern Portugal. <b>2018</b> , 126, 413-418	19
1586	Microplastics and Nanoplastics in Aquatic Environments: Aggregation, Deposition, and Enhanced Contaminant Transport. <b>2018</b> , 52, 1704-1724	834
1585	Freshwater Microplastics: Challenges for Regulation and Management. <b>2018</b> , 239-272	18
1584	Surface Connectivity and Interocean Exchanges From Drifter-Based Transition Matrices. <b>2018</b> , 123, 514-532	20
1583	Ingestion of microplastics and natural fibres in <i>Sardina pilchardus</i> (Walbaum, 1792) and <i>Engraulis encrasicolus</i> (Linnaeus, 1758) along the Spanish Mediterranean coast. <b>2018</b> , 128, 89-96	130
1582	Biodegradation and ecotoxicological impact of cellulose nanocomposites in municipal solid waste composting. <b>2018</b> , 111, 264-270	22
1581	Ingestion of microplastic debris by green sea turtles ( <i>Chelonia mydas</i> ) in the Great Barrier Reef: Validation of a sequential extraction protocol. <b>2018</b> , 127, 743-751	75



1580	A new approach in separating microplastics from environmental samples based on their electrostatic behavior. <b>2018</b> , 234, 20-28	104
1579	Acute sensitivity of three Cladoceran species to different types of microplastics in combination with thermal stress. <b>2018</b> , 239, 733-740	45
1578	Use of unmanned aerial vehicles for efficient beach litter monitoring. <b>2018</b> , 131, 662-673	86
1577	Formation of microplastics by polychaetes ( <i>Marphysa sanguinea</i> ) inhabiting expanded polystyrene marine debris. <b>2018</b> , 131, 365-369	41
1576	Accumulation of polystyrene microplastics in juvenile <i>Eriocheir sinensis</i> and oxidative stress effects in the liver. <b>2018</b> , 200, 28-36	244
1575	Polyhydroxyalkanoate coatings restrict moisture uptake and associated loss of barrier properties of thermoplastic starch films. <b>2018</b> , 135, 46379	13
1574	Microplastic does not magnify the acute effect of PAH pyrene on predatory performance of a tropical fish ( <i>Lates calcarifer</i> ). <b>2018</b> , 198, 287-293	50
1573	Comparisons of microplastic pollution between mudflats and sandy beaches in Hong Kong. <b>2018</b> , 236, 208-217	93
1572	Microplastic pollution in the surface waters of Italian Subalpine Lakes. <b>2018</b> , 236, 645-651	155
1571	A workflow for improving estimates of microplastic contamination in marine waters: A case study from North-Western Australia. <b>2018</b> , 238, 26-38	59
1570	Application of an enzyme digestion method reveals microlitter in <i>Mytilus trossulus</i> at a wastewater discharge area. <b>2018</b> , 130, 206-214	39
1569	Fungal-mediated deterioration and biodegradation study of low-density polyethylene (LDPE) isolated from municipal dump yard in Chennai, India. <b>2018</b> , 3, 229-236	12
1568	Biodiversity, coastal protection and resource endowment: Policy options for improving ocean health. <b>2018</b> , 40, 242-264	6
1567	Spatial distribution of marine litter along Italian coastal areas in the Pelagos sanctuary (Ligurian Sea - NW Mediterranean Sea): A focus on natural and urban beaches. <b>2018</b> , 130, 140-152	32
1566	Evidence that the Great Pacific Garbage Patch is rapidly accumulating plastic. <b>2018</b> , 8, 4666	617
1565	Microplastics in a wind farm area: A case study at the Rudong Offshore Wind Farm, Yellow Sea, China. <b>2018</b> , 128, 466-474	49
1564	Is the microplastic selective according to the habitat? Records in amphioxus sands, MØrl bed habitats and <i>Cymodocea nodosa</i> habitats. <b>2018</b> , 130, 179-183	33
1563	A meta-analysis of the effects of exposure to microplastics on fish and aquatic invertebrates. <b>2018</b> , 631-632, 550-559	278

1562	Macroplastic and microplastic contamination assessment of a tropical river (Saigon River, Vietnam) transversed by a developing megacity. <b>2018</b> , 236, 661-671	183
1561	Monomer recovery through advanced pyrolysis of waste high density polyethylene (HDPE). <b>2018</b> , 20, 1813-1823	51
1560	Plastic pollution in the Labrador Sea: An assessment using the seabird northern fulmar <i>Fulmarus glacialis</i> as a biological monitoring species. <b>2018</b> , 127, 817-822	58
1559	Evaluation of microplastic release caused by textile washing processes of synthetic fabrics. <b>2018</b> , 236, 916-925	263
1558	Factors influencing the microplastic contamination of bivalves from the French Atlantic coast: Location, season and/or mode of life?. <b>2018</b> , 129, 664-674	121
1557	Variation in plastic abundance at different lake beach zones - A case study. <b>2018</b> , 613-614, 530-537	35
1556	An overview of chemical additives present in plastics: Migration, release, fate and environmental impact during their use, disposal and recycling. <b>2018</b> , 344, 179-199	1105
1555	Marine litter at the seafloor - Abundance and composition in the North Sea and the Baltic Sea. <b>2018</b> , 127, 774-780	23
1554	Using experiential marine debris education to make an impact: Collecting debris, informing policy makers, and influencing students. <b>2018</b> , 127, 804-810	17
1553	Beach litter dynamics on Mediterranean coasts: Distinguishing sources and pathways. <b>2018</b> , 129, 448-457	78
1552	Different partition of polycyclic aromatic hydrocarbon on environmental particulates in freshwater: Microplastics in comparison to natural sediment. <b>2018</b> , 147, 648-655	105
1551	Chronic ingestion of polystyrene microparticles in low doses has no effect on food consumption and growth to the intertidal amphipod <i>Echinogammarus marinus</i> ?. <b>2018</b> , 233, 1125-1130	34
1550	Amount, composition, and spatial distribution of floating macro litter along fixed trans-border transects in the Mediterranean basin. <b>2018</b> , 129, 545-554	51
1549	Spatial variability in the concentrations of metals in beached microplastics. <b>2018</b> , 129, 487-493	109
1548	Potential recyclable materials derived from riverine litter at log boom Sungai Batu in Kuala Lumpur. <b>2018</b> , 20, 1063-1072	4
1547	Plastics in soil: Analytical methods and possible sources. <b>2018</b> , 612, 422-435	511
1546	Quantification of marine macro-debris abundance around Vancouver Island, Canada, based on archived aerial photographs processed by projective transformation. <b>2018</b> , 132, 44-51	22
1545	Modeling the Fate and Transport of Plastic Debris in Freshwaters: Review and Guidance. <b>2018</b> , 125-152	42

1544	Uptake, tissue distribution, and toxicity of polystyrene nanoparticles in developing zebrafish ( <i>Danio rerio</i> ). <b>2018</b> , 194, 185-194	225
1543	Qualitative assessment to determine internal and external factors influencing the origin of styrene oligomers pollution by polystyrene plastic in coastal marine environments. <b>2018</b> , 234, 167-173	15
1542	Circular economy of plastic packaging: Current practice and perspectives in Austria. <b>2018</b> , 72, 55-64	119
1541	An evaluative tool for rapid assessment of derelict vessel effects on coastal resources. <b>2018</b> , 207, 262-268	3
1540	Microplastics as an emerging threat to terrestrial ecosystems. <b>2018</b> , 24, 1405-1416	680
1539	Microplastic-Associated Biofilms: A Comparison of Freshwater and Marine Environments. <b>2018</b> , 181-201	60
1538	Impact of two plastic-derived chemicals, the Bisphenol A and the di-2-ethylhexyl phthalate, exposure on the marine toxic dinoflagellate <i>Alexandrium pacificum</i> . <b>2018</b> , 126, 241-249	23
1537	Ingestion and fragmentation of plastic carrier bags by the amphipod <i>Orchestia gammarellus</i> : Effects of plastic type and fouling load. <b>2018</b> , 127, 154-159	42
1536	Particle effects on fish gills: An immunogenetic approach for rainbow trout and zebrafish. <b>2018</b> , 484, 98-104	25
1535	Enhancement of Physical and Mechanical Properties of <i>Dioscorea Dumetorum</i> Starch Films With Dialdehyde Starch Solution. <b>2018</b> , 70, 1700148	3
1534	Exposure of soil collembolans to microplastics perturbs their gut microbiota and alters their isotopic composition. <b>2018</b> , 116, 302-310	260
1533	Comparative evaluation of sorption kinetics and isotherms of pyrene onto microplastics. <b>2018</b> , 193, 567-573	153
1532	Effects of polystyrene microplastics on early stages of two marine invertebrates with different feeding strategies. <b>2018</b> , 237, 1080-1087	85
1531	Microplastic in beach sediments of the Isle of Rügen (Baltic Sea) - Implementing a novel glass elutriation column. <b>2018</b> , 126, 263-274	70
1530	Responses of reef building corals to microplastic exposure. <b>2018</b> , 237, 955-960	120
1529	Effect of Sodium Chloride and Thiourea on Pollutant Formation during Combustion of Plastics. <b>2018</b> , 11, 2014	2
1528	A combined experimental and modeling study to evaluate pH-dependent sorption of polar and non-polar compounds to polyethylene and polystyrene microplastics. <b>2018</b> , 30, 30	61
1527	Factors Influencing Environmentally Responsible Behavior among Coastal Recreationists. <b>2018</b> , 46, 488-509	8

1526 OBSOLETE: Plastics in the Ocean. **2018**,

1525	Biodegradable Smart Biopolymers for Food Packaging: Sustainable Approach Toward Green Environment. <b>2018</b> , 197-216	9
1524	Simultaneous grading of microplastic size sampling in the Small Islands of Bintan water, Indonesia. <b>2018</b> , 137, 593-600	50
1523	Microplastic leachates impair behavioural vigilance and predator avoidance in a temperate intertidal gastropod. <b>2018</b> , 14,	42
1522	Estimation and prediction of plastic waste annual input into the sea from China. <b>2018</b> , 37, 26-39	19
1521	Abundance, Distribution, and Drivers of Microplastic Contamination in Urban River Environments. <b>2018</b> , 10, 1597	129
1520	Chemical Degradation of Poly(bisphenol A carbonate) Waste Materials: A Review. <b>2018</b> , 3, 11957-11962	7
1519	The imprint of microfibrils in southern European deep seas. <b>2018</b> , 13, e0207033	92
1518	Classification of marine microdebris: A review and case study on fish from the Great Barrier Reef, Australia. <b>2018</b> , 8, 16422	31
1517	Resource or waste? A perspective of plastics degradation in soil with a focus on end-of-life options. <b>2018</b> , 4, e00941	60
1516	Biochemodynamic Features of Metal Ions Bound by Micro- and Nano-Plastics in Aquatic Media. <b>2018</b> , 6, 627	37
1515	Occurrence of microplastics in municipal sewage treatment plants: a review. <b>2018</b> , 33, e2018013-0	41
1514	Microplastic Detection in Soil Amended With Municipal Solid Waste Composts as Revealed by Transmission Electronic Microscopy and Pyrolysis/GC/MS. <b>2018</b> , 2,	63
1513	Study on the microplastics release from fishing nets. <b>2018</b> , 133, 1	10
1512	Mature biofilm communities on synthetic polymers in seawater - Specific or general?. <b>2018</b> , 142, 147-154	80
1511	Cellular Bioreactivity of Micro- and Nano-Plastic Particles in Oysters. <b>2018</b> , 5,	33
1510	First evidence of ingested plastics by a high commercial shrimp species ( <i>Plesionika narval</i> ) in the eastern Mediterranean. <b>2018</b> , 136, 472-476	16
1509	Microplastic and charred microplastic in the Faafu Atoll, Maldives. <b>2018</b> , 136, 464-471	66

1508	Mega-litter and remediation: the case of Mar Piccolo of Taranto (Ionian Sea). <b>2018</b> , 29, 817-824	7
1507	Birds' feathers Suitable samples for determination of environmental pollutants. <b>2018</b> , 109, 97-115	22
1506	Ingestion of plastic by fish: A comparison of Thames Estuary and Firth of Clyde populations. <b>2018</b> , 137, 12-23	27
1505	Plastic waste as a significant threat to environment - a systematic literature review. <b>2018</b> , 33, 383-406	46
1504	The true depth of the Mediterranean plastic problem: Extreme microplastic pollution on marine turtle nesting beaches in Cyprus. <b>2018</b> , 136, 334-340	29
1503	Sustainable Biotechnology- Enzymatic Resources of Renewable Energy. <b>2018</b> ,	7
1502	A watershed-scale, citizen science approach to quantifying microplastic concentration in a mixed land-use river. <b>2018</b> , 147, 382-392	89
1501	The use of anthropogenic marine debris as a nesting material by brown boobies ( <i>Sula leucogaster</i> ). <b>2018</b> , 137, 96-103	25
1500	Microplastics in marine sediments in the area of Pianosa Island (Central Adriatic Sea). <b>2018</b> , 29, 805-809	12
1499	Reducing marine pollution from single-use plastics (SUPs): A review. <b>2018</b> , 137, 157-171	210
1498	Marine debris in Trindade Island, a remote island of the South Atlantic. <b>2018</b> , 137, 180-184	40
1497	A Comprehensive Analysis of Plastics and Microplastic Legislation Worldwide. <b>2018</b> , 229, 1	56
1496	Macro- and microplastics affect cold-water corals growth, feeding and behaviour. <b>2018</b> , 8, 15299	70
1495	Occurrence, sources, human health impacts and mitigation of microplastic pollution. <b>2018</b> , 25, 36046-36063	191
1494	Marine debris as a barrier: Assessing the impacts on sea turtle hatchlings on their way to the ocean. <b>2018</b> , 137, 481-487	11
1493	Engineering Properties of Concrete with Waste Recycled Plastic: A Review. <b>2018</b> , 10, 3875	63
1492	Comparison of Raman and Fourier Transform Infrared Spectroscopy for the Quantification of Microplastics in the Aquatic Environment. <b>2018</b> , 52, 13279-13288	143
1491	Ionizing radiation effects on polymer biodegradation. <b>2018</b> , 173, 842-850	3

1490	Levels of trace metals on microplastic particles in beach sediments of the island of Vis, Adriatic Sea, Croatia. <b>2018</b> , 137, 231-236	55
1489	Polystyrene microplastics did not affect body growth and swimming activity in <i>Xenopus laevis</i> tadpoles. <b>2018</b> , 25, 34644-34651	32
1488	Distribution and composition of benthic marine litter on the shelf of Antalya in the eastern Mediterranean. <b>2018</b> , 136, 171-176	24
1487	Up and away: ontogenic transference as a pathway for aerial dispersal of microplastics. <b>2018</b> , 14,	54
1486	Composition and abundance of benthic marine litter in a coastal area of the central Mediterranean Sea. <b>2018</b> , 136, 243-247	41
1485	Two Birds with One Stone: Fast and Simultaneous Analysis of Microplastics: Microparticles Derived from Thermoplastics and Tire Wear. <b>2018</b> , 5, 608-613	94
1484	A Combined Computational and Experimental Study on the Polymerization of $\epsilon$ -Caprolactone. <b>2018</b> , 57, 13387-13395	16
1483	Plastic pollution and potential solutions. <b>2018</b> , 101, 207-260	135
1482	Investigation of microplastics in aquatic environments: An overview of the methods used, from field sampling to laboratory analysis. <b>2018</b> , 108, 195-202	128
1481	Rapid aggregation of biofilm-covered microplastics with marine biogenic particles. <b>2018</b> , 285,	121
1480	Ability of fungi isolated from plastic debris floating in the shoreline of a lake to degrade plastics. <b>2018</b> , 13, e0202047	61
1479	Biopolymer Synthesis and Biodegradation. <b>2018</b> , 399-421	1
1478	Initial data on adsorption of Cs and Sr to the surfaces of microplastics with biofilm. <b>2018</b> , 190-191, 130-133	46
1477	Quantification of microplastic mass and removal rates at wastewater treatment plants applying Focal Plane Array (FPA)-based Fourier Transform Infrared (FT-IR) imaging. <b>2018</b> , 142, 1-9	292
1476	Linking plastic ingestion research with marine wildlife conservation. <b>2018</b> , 637-638, 1492-1495	27
1475	Biodegradability standards for carrier bags and plastic films in aquatic environments: a critical review. <b>2018</b> , 5, 171792	109
1474	Alternative and Renewable Bio-based and Biodegradable Plastics. <b>2018</b> , 1-20	1
1473	Bacteria enhanced lignocellulosic activated carbon for biofiltration of bisphenols in water. <b>2018</b> , 25, 17227-17239	14

1472	Retention and characteristics of microplastics in natural zooplankton taxa from the East China Sea. <b>2018</b> , 640-641, 232-242	55
1471	Sorption of Toxic Chemicals on Microplastics. <b>2018</b> , 225-247	8
1470	The effects of environmental conditions on the enrichment of antibiotics on microplastics in simulated natural water column. <b>2018</b> , 166, 377-383	52
1469	Assessment on marine litter ingested by fish in the Adriatic and NE Ionian Sea macro-region (Mediterranean). <b>2018</b> , 133, 841-851	51
1468	Laser Ablation as a Versatile Tool To Mimic Polyethylene Terephthalate Nanoplastic Pollutants: Characterization and Toxicology Assessment. <b>2018</b> , 12, 7690-7700	109
1467	Characterization of plastic debris and association of metals with microplastics in coastline sediment along the Persian Gulf. <b>2018</b> , 78, 649-658	114
1466	References. <b>2018</b> , 503-542	
1465	Depolymerization of Waste Plastics to Monomers and Chemicals Using a Hydrosilylation Strategy Facilitated by Brookhart's Iridium(III) Catalyst. <b>2018</b> , 6, 10481-10488	49
1464	Microplastic Contamination in Freshwater Systems: Methodological Challenges, Occurrence and Sources. <b>2018</b> , 51-93	14
1463	Fluorescence photobleaching of microplastics: A cautionary tale. <b>2018</b> , 133, 622-625	2
1462	Influence of microplastic addition on glyphosate decay and soil microbial activities in Chinese loess soil. <b>2018</b> , 242, 338-347	74
1461	Are ocean conditions and plastic debris resulting in a 'double whammy' for marine birds?. <b>2018</b> , 133, 684-692	9
1460	Microplastics in the Terrestrial Environment. <b>2018</b> , 365-378	12
1459	The Effects of Microplastic Pollution on Aquatic Organisms. <b>2018</b> , 249-270	5
1458	Spatio-temporal variability of beached macro-litter on remote islands of the North Atlantic. <b>2018</b> , 133, 304-311	40
1457	Thermogravimetric analysis and kinetic study of marine plastic litter. <b>2018</b> , 133, 472-477	8
1456	Marine litter disrupts ecological processes in reef systems. <b>2018</b> , 133, 464-471	41
1455	First evidence of microplastic ingestion by fishes from the Amazon River estuary. <b>2018</b> , 133, 814-821	113

1454	Mushroom cultivation in the circular economy. <b>2018</b> , 102, 7795-7803	153
1453	Occurrence of microplastics in the water column and sediment in an inland sea affected by intensive anthropogenic activities. <b>2018</b> , 242, 1557-1565	140
1452	Constraints and Priorities for Conducting Experimental Exposures of Marine Organisms to Microplastics. <b>2018</b> , 5,	113
1451	The effects of plastic bags presence on a macrobenthic community in a polluted estuary. <b>2018</b> , 135, 630-635	11
1450	Ingestion and contact with polyethylene microplastics does not cause acute toxicity on marine zooplankton. <b>2018</b> , 360, 452-460	100
1449	Sorption behaviors of tris-(2,3-dibromopropyl) isocyanurate and hexabromocyclododecanes on polypropylene microplastics. <b>2018</b> , 135, 581-586	35
1448	Colonization of Non-biodegradable and Biodegradable Plastics by Marine Microorganisms. <b>2018</b> , 9, 1571	103
1447	Factors influencing microplastic abundances in nearshore, tributary and beach sediments along the Ontario shoreline of Lake Erie. <b>2018</b> , 44, 1002-1009	41
1446	Ingested microplastic as a two-way transporter for PBDEs in <i>Talitrus saltator</i> . <b>2018</b> , 167, 411-417	63
1445	Plastics and Other Solid Wastes. <b>2018</b> , 69-88	1
1444	Frequency of Microplastics in Mesopelagic Fishes from the Northwest Atlantic. <b>2018</b> , 5,	65
1443	Assessment of Marine Litter in the Barents Sea, a Part of the Joint Norwegian-Russian Ecosystem Survey. <b>2018</b> , 5,	32
1442	Ecotoxicological Effects of Chemical Contaminants Adsorbed to Microplastics in the Clam <i>Scrobicularia plana</i> . <b>2018</b> , 5,	68
1441	Biodegradable Plastic Mulch Films: Impacts on Soil Microbial Communities and Ecosystem Functions. <b>2018</b> , 9, 819	139
1440	Microplastic Contamination of Wild and Captive Flathead Grey Mullet ( <i>Mugil cephalus</i> ). <b>2018</b> , 15,	64
1439	Conservation Issues: Temperate Ocean Regions. <b>2018</b> , 203-215	
1438	Effects of microplastics on the uptake, distribution and biotransformation of chiral antidepressant venlafaxine in aquatic ecosystem. <b>2018</b> , 359, 104-112	31
1437	Stereoselectively water resistant hybrid nanopapers prepared by cellulose nanofibers and water-based polyurethane. <b>2018</b> , 199, 286-293	6



1436	Suspended microplastics in a highly polluted bay: Abundance, size, and availability for mesozooplankton. <b>2018</b> , 135, 256-265	44
1435	Preferential accumulation of small (. <b>2018</b> , 144, 393-401	99
1434	A Methodology for Measuring Microplastic Transport in Large or Medium Rivers. <b>2018</b> , 10, 414	47
1433	Comparison of six digestion methods on fluorescent intensity and morphology of the fluorescent polystyrene beads. <b>2018</b> , 131, 515-524	15
1432	A zero percent plastic ingestion rate by silver hake ( <i>Merluccius bilinearis</i> ) from the south coast of Newfoundland, Canada. <b>2018</b> , 131, 267-275	16
1431	Leave no traces - Beached marine litter shelters both invasive and native species. <b>2018</b> , 131, 314-322	16
1430	Occurrence of microplastics in fishes from two landing sites in Tuticorin, South east coast of India. <b>2018</b> , 135, 889-894	62
1429	Type and quantity of coastal debris pollution in Taiwan: A 12-year nationwide assessment using citizen science data. <b>2018</b> , 135, 862-872	25
1428	Dumping to the abyss: single-use marine litter invading bathyal plains of the Sardinian margin (Tyrrhenian Sea). <b>2018</b> , 135, 845-851	24
1427	A critical review on the sources and instruments of marine microplastics and prospects on the relevant management in China. <b>2018</b> , 36, 898-911	62
1426	Microplastics integrating the coastal planktonic community in the inner zone of the R� de la Plata estuary (South America). <b>2018</b> , 243, 134-142	52
1425	Rapid Regeneration and Reuse of Silica Columns from PCR Purification and Gel Extraction Kits. <b>2018</b> , 8, 12870	9
1424	Sea Water Contamination in the Vicinity of the Italian Minor Islands Caused by Microplastic Pollution. <b>2018</b> , 10, 1108	17
1423	Transcriptional effects of polyethylene microplastics ingestion in developing zebrafish ( <i>Danio rerio</i> ). <b>2018</b> , 243, 591-600	80
1422	Microplastics in <i>Talitrus saltator</i> (Crustacea, Amphipoda): new evidence of ingestion from natural contexts. <b>2018</b> , 25, 28725-28729	32
1421	Worldwide distribution and abundance of microplastic: How dire is the situation?. <b>2018</b> , 36, 873-897	148
1420	Microplastic in riverine fish is connected to species traits. <b>2018</b> , 8, 11639	129
1419	Secondary Microplastics Generation in the Sea Swash Zone With Coarse Bottom Sediments: Laboratory Experiments. <b>2018</b> , 5,	85

1418	Seabirds and plastics don't mix: Examining the differences in marine plastic ingestion in wedge-tailed shearwater chicks at near-shore and offshore locations. <b>2018</b> , 135, 852-861	11
1417	First evaluation of floating microplastics in the Northwestern Adriatic Sea. <b>2018</b> , 25, 28546-28561	40
1416	Recyclability of four types of plastics exposed to UV irradiation in a marine environment. <b>2018</b> , 79, 339-345	38
1415	Response. <b>2018</b> , 361, 562-563	2
1414	Advanced fabrication and properties of hybrid polyethylene terephthalate fiber/silica aerogels from plastic bottle waste. <b>2018</b> , 556, 37-42	12
1413	Microplastic abundance and characteristics in French Atlantic coastal sediments using a new extraction method. <b>2018</b> , 243, 228-237	54
1412	Ingested Micronizing Plastic Particle Compositions and Size Distributions within Stranded Post-Hatchling Sea Turtles. <b>2018</b> , 52, 10307-10316	33
1411	Validation of an optimised protocol for quantification of microplastics in heterogenous samples: A case study using green turtle chyme. <b>2018</b> , 5, 812-823	11
1410	Behavior of Microplastics in Coastal Zones. <b>2018</b> , 175-223	18
1409	Ring-Opening Polymerization Reactions of $\epsilon$ -Caprolactone and Lactides Initiated by (Benzimidazolylmethyl)amino Magnesium(II) Alkoxides. <b>2018</b> , 71, 341	0
1408	Cellular responses of Pacific oyster ( <i>Crassostrea gigas</i> ) gametes exposed in vitro to polystyrene nanoparticles. <b>2018</b> , 208, 764-772	66
1407	Eco-evolutionary Dynamics Linked to Horizontal Gene Transfer in <i>Vibrios</i> . <b>2018</b> , 72, 89-110	34
1406	The Occurrence, Fate, and Effects of Microplastics in the Marine Environment. <b>2018</b> , 133-173	6
1405	Anthropogenic marine litter composition in coastal areas may be a predictor of potentially invasive rafting fauna. <b>2018</b> , 13, e0191859	40
1404	Styrene impairs normal embryo development in the Mediterranean mussel ( <i>Mytilus galloprovincialis</i> ). <b>2018</b> , 201, 58-65	11
1403	Decay patterns of invasive plants and plastic trash in urban streams. <b>2018</b> , 21, 817-830	1
1402	Microplastics in Marine Food Webs. <b>2018</b> , 339-363	18
1401	Sorption properties of tylosin on four different microplastics. <b>2018</b> , 209, 240-245	185

1400	Now, you see me: High concentrations of floating plastic debris in the coastal waters of the Balearic Islands (Spain). <b>2018</b> , 133, 636-646	39
1399	Microplastic ingestion by riverine macroinvertebrates. <b>2019</b> , 646, 68-74	167
1398	The Impact of Microplastics on Marine Copepods. <b>2019</b> , 429-442	1
1397	Seasonal variability in vulnerability for Cassin's auklets ( <i>Ptychoramphus aleuticus</i> ) exposed to microplastic pollution in the Canadian Pacific region. <b>2019</b> , 649, 50-60	13
1396	Micro- and Macroplastics in Aquatic Ecosystems. <b>2019</b> , 116-125	2
1395	The abundance of Plastic Marine Debris on Beaches in Ambon Bay. <b>2019</b> , 253, 012037	2
1394	Influence of Near-Surface Currents on the Global Dispersal of Marine Microplastic. <b>2019</b> , 124, 6086-6096	53
1393	Plastic Biodegradation: Challenges and Opportunities. <b>2019</b> , 333-361	1
1392	Technological Approaches for the Reduction of Microplastic Pollution in Seawater Desalination Plants and for Sea Salt Extraction. <b>2019</b> ,	6
1391	Adsorption behavior of organic pollutants and metals on micro/nanoplastics in the aquatic environment. <b>2019</b> , 694, 133643	190
1390	Impacts of plastic products used in daily life on the environment and human health: What is known?. <b>2019</b> , 72, 103239	58
1389	Diet-related selectivity of macroplastic ingestion in green turtles ( <i>Chelonia mydas</i> ) in the eastern Mediterranean. <b>2019</b> , 9, 11581	28
1388	References. <b>2019</b> , 287-355	
1387	Index. <b>2019</b> , 356-362	
1386	Analysis of mismanaged plastic waste in Samoa to suggest proper waste management in Pacific island countries. <b>2019</b> , 37, 1207-1216	2
1385	Shedding light on the invisible: addressing the potential for groundwater contamination by plastic microfibers. <b>2019</b> , 27, 2719-2727	38
1384	Anthropogenic Marine Debris assessment with Unmanned Aerial Vehicle imagery and deep learning: A case study along the beaches of the Republic of Maldives. <b>2019</b> , 693, 133581	64
1383	Geochemistry and environmental effects of potentially toxic elements, polycyclic aromatic hydrocarbons and microplastics in coastal sediments of the Persian Gulf. <b>2019</b> , 78, 1	23

1382	Polymeric chains and petrolic imaginaries: world literature, plastic, and negative value. <b>2019</b> , 23, 179-193	0
1381	Internalization and toxicity: A preliminary study of effects of nanoplastic particles on human lung epithelial cell. <b>2019</b> , 694, 133794	123
1380	Colonization Characteristics of Bacterial Communities on Plastic Debris Influenced by Environmental Factors and Polymer Types in the Haihe Estuary of Bohai Bay, China. <b>2019</b> , 53, 10763-10773	67
1379	Quantification of microplastics along the Caribbean Coastline of Colombia: Pollution profile and biological effects on <i>Caenorhabditis elegans</i> . <b>2019</b> , 146, 574-583	30
1378	Polyethylene microplastics do not increase bioaccumulation or toxicity of nonylphenol and 4-MBC to marine zooplankton. <b>2019</b> , 692, 1-9	41
1377	Current practices and future perspectives of microplastic pollution in freshwater ecosystems in China. <b>2019</b> , 691, 697-712	87
1376	Seafloor litter from the continental shelf and canyons in French Mediterranean Water: Distribution, typologies and trends. <b>2019</b> , 146, 653-666	26
1375	Recycled materials in concrete. <b>2019</b> , 19-54	7
1374	From macroplastics to microplastics: Role of water in the fragmentation of polyethylene. <b>2019</b> , 236, 124409	86
1373	The leaching of additive-derived flame retardants (FRs) from plastics in avian digestive fluids: The significant risk of highly lipophilic FRs. <b>2019</b> , 85, 200-207	20
1372	Benthic marine litter in shallow fishing grounds in the NW Mediterranean Sea. <b>2019</b> , 95, 620-627	11
1371	Study of the degradation and recyclability of polyethylene and polypropylene present in the marine environment. <b>2019</b> , 136, 48215	8
1370	Exploring microplastic ingestion by three deep-water elasmobranch species: A case study from the Tyrrhenian Sea. <b>2019</b> , 253, 342-350	34
1369	Impacts of polystyrene microplastics on the behavior and metabolism in a marine demersal teleost, black rockfish ( <i>Sebastes schlegelii</i> ). <b>2019</b> , 380, 120861	69
1368	Anthropogenic debris accumulated in nests of seabirds in an uninhabited island in West Africa. <b>2019</b> , 236, 586-592	16
1367	Distribution and characteristics of microplastics in the sediments of Poyang Lake, China. <b>2019</b> , 79, 1868-1877	36
1366	First evidence of microplastic contamination in the supraglacial debris of an alpine glacier. <b>2019</b> , 253, 297-301	119
1365	Glitters as a Source of Primary Microplastics: An Approach to Environmental Responsibility and Ethics. <b>2019</b> , 32, 459-478	22

1364	Trace analysis of polystyrene microplastics in natural waters. <b>2019</b> , 236, 124321	55
1363	Interactive effects of microplastics and glyphosate on the dynamics of soil dissolved organic matter in a Chinese loess soil. <b>2019</b> , 182, 104177	21
1362	Out of sight, out of mind: Plastic waste exports, psychological distance and consumer plastic purchasing. <b>2019</b> , 58, 101943	38
1361	cf. Bloom in Currais, Brazil: Phylogeny, Toxin Profile and Contamination of Mussels and Marine Plastic Litter. <b>2019</b> , 11,	19
1360	Degradation of Cosmetic Microplastics via Functionalized Carbon Nanosprings. <b>2019</b> , 1, 745-758	140
1359	Wind, waves, tides, and human error? - Influences on litter abundance and composition on German North Sea coastlines: An exploratory analysis. <b>2019</b> , 146, 155-172	15
1358	Seasonal variation in the abundance of marine plastic debris in Banderas Bay, Mexico. <b>2019</b> , 145, 604-610	22
1357	Marine Debris in India: Quantifying Type and Abundance of Beach Litter Along Chennai, East Coast of India. <b>2019</b> , 217-230	0
1356	Microplastic in the sediments of a highly eutrophic tropical estuary. <b>2019</b> , 146, 326-335	37
1355	Small-Sized Microplastics Negatively Affect Rotifers: Changes in the Key Life-History Traits and Rotifer- Population Dynamics. <b>2019</b> , 53, 9241-9251	32
1354	Using FTIRS as pre-screening method for detection of microplastic in bulk sediment samples. <b>2019</b> , 689, 341-346	15
1353	The influence of human activity and morphological characteristics of beaches on plastic debris distribution along the Caspian Sea as a closed water body. <b>2019</b> , 26, 25712-25724	16
1352	Plastics at sea: Treaty design for a global solution to marine plastic pollution. <b>2019</b> , 100, 94-104	39
1351	Slow degradation of compostable plastic carrier bags in a stream and its riparian area. <b>2019</b> , 55, 18	1
1350	A baseline assessment of beach macrolitter and microplastics along northeastern Atlantic shores. <b>2019</b> , 149, 110649	12
1349	Advanced Multifunctional Field Effect Devices Using Common Gate for Both 2D Transition-Metal Dichalcogenide and InGaZnO Channels. <b>2019</b> , 5, 1900730	5
1348	Sorption of tri-n-butyl phosphate and tris(2-chloroethyl) phosphate on polyethylene and polyvinyl chloride microplastics in seawater. <b>2019</b> , 149, 110490	21
1347	Is central Croatian Adriatic Sea under plastic attack? Preliminary results of composition, abundance and sources of marine litter on three beaches. <b>2019</b> , 30, 797-806	11

1346	Low levels of microplastics recorded from the common periwinkle, <i>Littorina littorea</i> on the west coast of Ireland. <b>2019</b> , 149, 110645	11
1345	Microplastics in the crustaceans <i>Nephrops norvegicus</i> and <i>Aristeus antennatus</i> : Flagship species for deep-sea environments?. <b>2019</b> , 255, 113107	56
1344	Evidence for non-selective ingestion of microplastic in demersal fish. <b>2019</b> , 149, 110523	32
1343	Enhanced Visible Light Photodegradation of Microplastic Fragments with Plasmonic Platinum/Zinc Oxide Nanorod Photocatalysts. <b>2019</b> , 9, 819	50
1342	Using a marine microalga as a chassis for polyethylene terephthalate (PET) degradation. <b>2019</b> , 18, 171	77
1341	Mediterranean dirty edge: High level of meso and macroplastics pollution on the Turkish coast. <b>2019</b> , 255, 113351	17
1340	Boops boops as a bioindicator of microplastic pollution along the Spanish Catalan coast. <b>2019</b> , 149, 110648	30
1339	Marine Debris Polymers on Main Hawaiian Island Beaches, Sea Surface, and Seafloor. <b>2019</b> , 53, 12218-12226	21
1338	Bioengineering a Future Free of Marine Plastic Waste. <b>2019</b> , 6,	15
1337	Mixing of passive tracers at the ocean surface and its implications for plastic transport modelling. <b>2019</b> , 1, 115001	3
1336	Hydrodynamic forcing and sand permeability influence the distribution of anthropogenic microparticles in beach sediment. <b>2019</b> , 230, 106429	5
1335	Future scenarios of global plastic waste generation and disposal. <b>2019</b> , 5,	518
1334	Microplastics induce transcriptional changes, immune response and behavioral alterations in adult zebrafish. <b>2019</b> , 9, 15775	100
1333	The Fate of Marine Litter in Semi-Enclosed Seas: A Case Study of the Black Sea. <b>2019</b> , 6,	16
1332	Rheological, Thermal, and Degradation Properties of PLA/PPG Blends. <b>2019</b> , 12,	6
1331	Dietary administration of PVC and PE microplastics produces histological damage, oxidative stress and immunoregulation in European sea bass ( <i>Dicentrarchus labrax</i> L.). <b>2019</b> , 95, 574-583	60
1330	Plastic microbeads: small yet mighty concerning. <b>2021</b> , 31, 788-804	6
1329	Advances in Sustainable Polymers. <b>2019</b> ,	5

1328	Microplastic in Aquatic Environments. <b>2019</b> , 149-179	1
1327	A novel, thermotolerant, extracellular PHB depolymerase producer <i>Paenibacillus alvei</i> PHB28 for bioremediation of biodegradable plastics. <b>2019</b> , 44, 344-353	3
1326	Assessment of microplastic pollution: occurrence and characterisation in Vesijärvi lake and Pikku Vesijärvi pond, Finland. <b>2019</b> , 191, 652	41
1325	Synthetic microfibers in marine sediments and surface seawater from the Argentinean continental shelf and a Marine Protected Area. <b>2019</b> , 149, 110618	26
1324	Microplastics are ubiquitous on California beaches and enter the coastal food web through consumption by Pacific mole crabs. <b>2019</b> , 139, 231-237	34
1323	Negligible effects of microplastics on animal fitness and HOC bioaccumulation in earthworm <i>Eisenia fetida</i> in soil. <b>2019</b> , 249, 776-784	124
1322	Catalyzing the Hydrocracking of Low Density Polyethylene. <b>2019</b> , 58, 20601-20609	21
1321	Maternal Polystyrene Microplastic Exposure during Gestation and Lactation Altered Metabolic Homeostasis in the Dams and Their F1 and F2 Offspring. <b>2019</b> , 53, 10978-10992	89
1320	How to get rid of ingested microplastic fibers? A straightforward approach of the Atlantic ditch shrimp <i>Palaemon varians</i> . <b>2019</b> , 254, 113068	26
1319	Size-dependent elimination of ingested microplastics in the Mediterranean mussel <i>Mytilus galloprovincialis</i> . <b>2019</b> , 149, 110512	36
1318	Microplastics pollution along the Lebanese coast (Eastern Mediterranean Basin): Occurrence in surface water, sediments and biota samples. <b>2019</b> , 696, 133933	58
1317	The accumulation of microplastics in fish from an important fish farm and mariculture area, Haizhou Bay, China. <b>2019</b> , 696, 133948	88
1316	Identification of surface macro debris in river flow and estuary of Musi River, South Sumatera Province, Indonesia. <b>2019</b> , 1282, 012106	2
1315	An experimental and theoretical study of the erosion of semi-crystalline polymers and the subsequent generation of microparticles. <b>2019</b> , 15, 8302-8312	5
1314	Plastic Literature. <b>2019</b> , 88, 277-291	1
1313	Environmental occurrences, fate, and impacts of microplastics. <b>2019</b> , 184, 109612	135
1312	Maternal exposure to different sizes of polystyrene microplastics during gestation causes metabolic disorders in their offspring. <b>2019</b> , 255, 113122	69
1311	Effects of microplastics and attached heavy metals on growth, immunity, and heavy metal accumulation in the yellow seahorse, <i>Hippocampus kuda</i> Bleeker. <b>2019</b> , 149, 110510	38

1310	Microplastics modify the toxicity of glyphosate on <i>Daphnia magna</i> . <b>2019</b> , 697, 134194	44
1309	Mikroplastik in der aquatischen Umwelt. <b>2019</b> ,	1
1308	Effects of Microplastics in Soil Ecosystems: Above and Below Ground. <b>2019</b> , 53, 11496-11506	274
1307	Monitoring nest incorporation of anthropogenic debris by Northern Gannets across their range. <b>2019</b> , 255, 113152	16
1306	Green Composite Materials from Biopolymers Reinforced with Agroforestry Waste. <b>2019</b> , 27, 2651-2673	24
1305	The impact of sediment dumping sites on the concentrations of microplastic in the inner continental shelf of Rio de Janeiro/Brazil. <b>2019</b> , 149, 110558	17
1304	EMODnet marine litter data management at pan-European scale. <b>2019</b> , 181, 104930	7
1303	Assessing factors driving the distribution and characteristics of shoreline macroplastics in a subtropical reservoir. <b>2019</b> , 696, 133992	10
1302	Magnetic seeded filtration for the separation of fine polymer particles from dilute suspensions: Microplastics. <b>2019</b> , 207, 1278-1287	20
1301	Temperature and clone-dependent effects of microplastics on immunity and life history in <i>Daphnia magna</i> . <b>2019</b> , 255, 113178	20
1300	A global mass budget for positively buoyant macroplastic debris in the ocean. <b>2019</b> , 9, 12922	133
1299	Nile red staining in microplastic analysis-proposal for a reliable and fast identification approach for large microplastics. <b>2019</b> , 191, 612	39
1298	The Parcels v2.0 Lagrangian framework: new field interpolation schemes. <b>2019</b> , 12, 3571-3584	65
1297	Riverine Microplastic Pollution in the Pearl River Delta, China: Are Modeled Estimates Accurate?. <b>2019</b> , 53, 11810-11817	83
1296	Validation of an extraction method for microplastics from human materials. <b>2019</b> , 73, 203-217	4
1295	Multi-Laboratory Hazard Assessment of Contaminated Microplastic Particles by Means of Enhanced Fish Embryo Test With the Zebrafish ( <i>Danio rerio</i> ). <b>2019</b> , 7,	14
1294	Ingestion of microplastics by nematodes depends on feeding strategy and buccal cavity size. <b>2019</b> , 255, 113227	39
1293	Complete Genome Sequence and Characterization of a Polyethylene Biodegradation Strain, LBX-2. <b>2019</b> , 7,	13



1292	Feeding and digestion of the marine isopod <i>Idotea emarginata</i> challenged by poor food quality and microplastics. <b>2019</b> , 226, 108586	11
1291	Safely Dissolvable and Healable Active Packaging Films Based on Alginate and Pectin. <b>2019</b> , 11,	23
1290	Effects of micro-sized polyethylene spheres on the marine microalga <i>Dunaliella salina</i> : Focusing on the algal cell to plastic particle size ratio. <b>2019</b> , 216, 105296	55
1289	A value-added insight of reusing microplastic waste: Carrier particle in fluidized bed bioreactor for simultaneous carbon and nitrogen removal from septic wastewater. <b>2019</b> , 151, 107300	12
1288	Adhesion to coral surface as a potential sink for marine microplastics. <b>2019</b> , 255, 113281	43
1287	A simple method for detecting and quantifying microplastics utilizing fluorescent dyes - Safranin T, fluorescein isophosphate, Nile red based on thermal expansion and contraction property. <b>2019</b> , 255, 113283	30
1286	Hydrothermal carbonization (HTC) of marine plastic debris. <b>2019</b> , 257, 116033	15
1285	Global Review of Beach Debris Monitoring and Future Recommendations. <b>2019</b> , 53, 12158-12167	48
1284	Temporal and spatial variability of beach litter in Mangaluru, India. <b>2019</b> , 149, 110541	11
1283	Microplastics in a freshwater mussel ( <i>Anodonta anatina</i> ) in Northern Europe. <b>2019</b> , 697, 134192	27
1282	Rummaging through the bin: Modelling marine litter distribution using Artificial Neural Networks. <b>2019</b> , 149, 110580	15
1281	Potential Benefits and Risks for Soil Health Derived From the Use of Organic Amendments in Agriculture. <b>2019</b> , 9, 542	45
1280	A review on the environmental impacts of shipping on aquatic and nearshore ecosystems. <b>2019</b> , 695, 133637	31
1279	Microplastic pollution in water and fish samples around Nanxun Reef in Nansha Islands, South China Sea. <b>2019</b> , 696, 134022	57
1278	Can biotechnology strategies effectively manage environmental (micro)plastics?. <b>2019</b> , 697, 134200	31
1277	Sorption of 3,6-dibromocarbazole and 1,3,6,8-tetrabromocarbazole by microplastics. <b>2019</b> , 138, 458-463	25
1276	Towards more realistic reference microplastics and nanoplastics: preparation of polyethylene micro/nanoparticles with a biosurfactant. <b>2019</b> , 6, 315-324	32
1275	Applications of PHA in Agriculture. <b>2019</b> , 347-361	16

1274	An effect factor approach for quantifying the entanglement impact on marine species of macroplastic debris within life cycle impact assessment. <b>2019</b> , 99, 61-66	29
1273	Effects of Particle Properties on the Settling and Rise Velocities of Microplastics in Freshwater under Laboratory Conditions. <b>2019</b> , 53, 1958-1966	104
1272	Influence of Stainless-Steel Catalyst Substrate Type and Pretreatment on Growing Carbon Nanotubes from Waste Postconsumer Plastics. <b>2019</b> , 58, 3009-3023	22
1271	Depuration reduces microplastic content in wild and farmed mussels. <b>2019</b> , 140, 241-247	55
1270	Microplastics in marine mammals stranded around the British coast: ubiquitous but transitory?. <b>2019</b> , 9, 1075	141
1269	Can plastics affect near surface layer ocean processes and climate?. <b>2019</b> , 140, 274-280	12
1268	Social media as a novel source of data on the impact of marine litter on megafauna: The Philippines as a case study. <b>2019</b> , 140, 51-59	16
1267	Microplastic Contamination in Karst Groundwater Systems. <b>2019</b> , 57, 189-196	139
1266	Plastic Pollution in the Coastal Environment: Current Challenges and Future Solutions. <b>2019</b> , 595-609	9
1265	Plastic ingestion in seabirds of the western Indian Ocean. <b>2019</b> , 140, 308-314	23
1264	Impacts of Micro- and Nano-Sized Plastic Particles on Benthic Invertebrates: A Literature Review and Gap Analysis. <b>2019</b> , 7,	109
1263	Scavenging as a pathway for plastic ingestion by marine animals. <b>2019</b> , 248, 159-165	13
1262	Impact of hydrolytic degradation on mechanical properties of PET - Towards an understanding of microplastics formation. <b>2019</b> , 161, 175-182	39
1261	Microplastic pollution in estuaries across a gradient of human impact. <b>2019</b> , 247, 457-466	74
1260	Detection of microplastics in local marine organisms using a multi-technology system. <b>2019</b> , 11, 78-87	61
1259	Polystyrene microplastics ingestion induced behavioral effects to the cladoceran <i>Daphnia magna</i> . <b>2019</b> , 231, 423-431	53
1258	Assessing the risk of marine litter accumulation in estuarine habitats. <b>2019</b> , 144, 117-128	14
1257	Uncovering the sub-lethal impacts of plastic ingestion by shearwaters using fatty acid analysis. <b>2019</b> , 7, coz017	8

1256	A novel and simple method for polyethylene terephthalate (PET) nanoparticle production. <b>2019</b> , 6, 2031-2036	23
1255	Formation of Environmentally Persistent Free Radicals on Microplastics under Light Irradiation. <b>2019</b> , 53, 8177-8186	120
1254	Degradation of Low-Density Polyethylene Film Exposed to UV Radiation in Four Environments. <b>2019</b> , 23, 04019015	22
1253	Urban solid waste management in developing countries from the sustainable supply chain management perspective: A case study of Brazil's largest slum. <b>2019</b> , 233, 1377-1386	42
1252	A State-of-the-Art Compact Surface Drifter Reveals Pathways of Floating Marine Litter in the German Bight. <b>2019</b> , 6,	16
1251	River Deltas as hotspots of microplastic accumulation: The case study of the Ebro River (NW Mediterranean). <b>2019</b> , 687, 1186-1196	105
1250	Simulating human exposure to indoor airborne microplastics using a Breathing Thermal Manikin. <b>2019</b> , 9, 8670	205
1249	Environmental implications of microplastic pollution in the Northwestern Pacific Ocean. <b>2019</b> , 146, 215-224	28
1248	Distribution and impacts of microplastic incorporation within sea ice. <b>2019</b> , 145, 463-473	38
1247	Microplastic accumulation and biomagnification in a coastal marine reserve situated in a sparsely populated area. <b>2019</b> , 146, 54-59	25
1246	Marine debris in Indonesia: A review of research and status. <b>2019</b> , 146, 134-144	33
1245	Uptake and effects of orally ingested polystyrene microplastic particles in vitro and in vivo. <b>2019</b> , 93, 1817-1833	153
1244	Plastic debris in sediments from the east coast of Surabaya. <b>2019</b> , 462, 012050	1
1243	Wildlife utilization in East and Southern Africa. <b>2019</b> , 55-72	
1242	References. <b>2019</b> , 247-250	
1241	Adverse effects of non-biodegradable and compostable plastic bags on the establishment of coastal dune vegetation: First experimental evidences. <b>2019</b> , 252, 188-195	17
1240	Microplastic removal by Red Sea giant clam ( <i>Tridacna maxima</i> ). <b>2019</b> , 252, 1257-1266	41
1239	Microplastics at the strandlines of Slovenian beaches. <b>2019</b> , 145, 334-342	39

1238	Human Consumption of Microplastics. <b>2019</b> , 53, 7068-7074	565
1237	Sorption of polybrominated diphenyl ethers by microplastics. <b>2019</b> , 145, 260-269	59
1236	Ingestion of macroplastics by odontocetes of the Greek Seas, Eastern Mediterranean: Often deadly!. <b>2019</b> , 146, 67-75	34
1235	An evaluation of the Fishing For Litter (FFL) scheme in the UK in terms of attitudes, behavior, barriers and opportunities. <b>2019</b> , 144, 48-60	16
1234	A methodology to assess the probability of marine litter accumulation in estuaries. <b>2019</b> , 144, 309-324	12
1233	Simultaneous bioconversion of lignocellulosic residues and oxodegradable polyethylene by <i>Pleurotus ostreatus</i> for biochar production, enriched with phosphate solubilizing bacteria for agricultural use. <b>2019</b> , 14, e0217100	9
1232	Shotgun Metagenomics Reveals the Benthic Microbial Community Response to Plastic and Bioplastic in a Coastal Marine Environment. <b>2019</b> , 10, 1252	63
1231	Recent advances in toxicological research of nanoplastics in the environment: A review. <b>2019</b> , 252, 511-521	190
1230	Occurrence and distribution of microplastics in the surface water and sediment of two typical estuaries in Bohai Bay, China. <b>2019</b> , 21, 1143-1152	49
1229	Microplastic distribution in surface sediments along the Spanish Mediterranean continental shelf. <b>2019</b> , 26, 21264-21273	42
1228	Biosynthesis and statistical optimization of polyhydroxyalkanoate (PHA) produced by <i>Bacillus cereus</i> VIT-SSR1 and fabrication of biopolymer films for sustained drug release. <b>2019</b> , 135, 945-958	27
1227	Occurrence and Ecological Impacts of Microplastics in Soil Systems: A Review. <b>2019</b> , 102, 741-749	114
1226	Towards an urban marine ecology: characterizing the drivers, patterns and processes of marine ecosystems in coastal cities. <b>2019</b> , 128, 1215-1242	79
1225	EnviGreen Biotech: An Eco-friendly Alternative to Plastic Bags. <b>2019</b> , 8, 207-214	
1224	Release of radiolabeled multi-walled carbon nanotubes (14C-MWCNT) from epoxy nanocomposites into quartz sand-water systems and their uptake by <i>Lumbricus variegatus</i> . <b>2019</b> , 14, 100159	1
1223	Occurrence of microplastic fragments in the Pasig River. <b>2019</b> , 2, 92-100	13
1222	Microplastics and nanoplastics: would they affect global biodiversity change?. <b>2019</b> , 26, 19997-20002	29
1221	Distribution, sedimentary record, and persistence of microplastics in the Pearl River catchment, China. <b>2019</b> , 251, 862-870	97

1220	Fusion of microplastics into the mussel byssus. <b>2019</b> , 252, 420-426	34
1219	Sorption of Tonalide, Musk Xylene, Galaxolide, and Musk Ketone by microplastics of polyethylene and polyvinyl chloride. <b>2019</b> , 144, 129-133	11
1218	Debris ingestion by carnivorous consumers: Does the position in the water column truly matter?. <b>2019</b> , 144, 134-139	7
1217	The influence of microplastics pollution on the feeding behavior of a prominent sandy beach amphipod, <i>Orchestoidea tuberculata</i> (Nicolet, 1849). <b>2019</b> , 145, 23-27	21
1216	Dispersion, Accumulation, and the Ultimate Fate of Microplastics in Deep-Marine Environments: A Review and Future Directions. <b>2019</b> , 7,	136
1215	Adverse outcome pathways potentially related to hazard identification of microplastics based on toxicity mechanisms. <b>2019</b> , 231, 249-255	89
1214	Life in a polluted world: A global review of anthropogenic materials in bird nests. <b>2019</b> , 251, 717-722	36
1213	Plastic leachates impair growth and oxygen production in , the ocean's most abundant photosynthetic bacteria. <b>2019</b> , 2, 184	61
1212	Marine debris: A review of impacts and global initiatives. <b>2019</b> , 37, 987-1002	40
1211	Microplastics in municipal mixed-waste organic outputs induce minimal short to long-term toxicity in key terrestrial biota. <b>2019</b> , 252, 522-531	91
1210	On Social Distress, Littering and Nature Conservation: The Case of Jisr A-Zarka. <b>2019</b> , 47, 347-361	
1209	Can the Atlantic ghost crab be a potential biomonitor of microplastic pollution of sandy beaches sediment?. <b>2019</b> , 145, 5-13	21
1208	Microplastic contamination in freshwater: first observation in Lake Ulansuhai, Yellow River Basin, China. <b>2019</b> , 17, 1821-1830	44
1207	Microbial Genes for a Circular and Sustainable Bio-PET Economy. <b>2019</b> , 10,	64
1206	Mikroplastik. <b>2019</b> , 15-242	1
1205	Identification and visualisation of microplastics by Raman mapping. <b>2019</b> , 1077, 191-199	64
1204	Polystyrene microbeads modulate the energy metabolism of the marine diatom <i>Chaetoceros neogracile</i> . <b>2019</b> , 251, 363-371	44
1203	A 61% lighter cell culture dish to reduce plastic waste. <b>2019</b> , 14, e0216251	2

1202	Anthropogenic particles ingestion in fish species from two areas of the western Mediterranean Sea. <b>2019</b> , 144, 325-333	43
1201	Microplastic pollution at the intersection of the Aegean and Mediterranean Seas: A study of the Dat̄a Peninsula (Turkey). <b>2019</b> , 145, 47-55	34
1200	Aging Significantly Affects Mobility and Contaminant-Mobilizing Ability of Nanoplastics in Saturated Loamy Sand. <b>2019</b> , 53, 5805-5815	118
1199	The Plastisphere - Uncovering tightly attached plastic "specific" microorganisms. <b>2019</b> , 14, e0215859	82
1198	Bleaching and necrosis of staghorn coral ( <i>Acropora formosa</i> ) in laboratory assays: Immediate impact of LDPE microplastics. <b>2019</b> , 228, 528-535	42
1197	Identifying floating plastic marine debris using a deep learning approach. <b>2019</b> , 26, 17091-17099	26
1196	Presence of plastic debris and retained fishing hooks in oceanic sharks. <b>2019</b> , 143, 6-11	9
1195	Modelling global river export of microplastics to the marine environment: Sources and future trends. <b>2019</b> , 673, 392-401	79
1194	Ultrahigh-throughput screening system for directed polymer binding peptide evolution. <b>2019</b> , 116, 1856-1867	10
1193	Microplastics abundance and characteristics in surface waters from the Northwest Pacific, the Bering Sea, and the Chukchi Sea. <b>2019</b> , 143, 58-65	62
1192	Climate Change and the Anthropocene. <b>2019</b> , 200-241	
1191	Efficient biodegradation of polyethylene (HDPE) waste by the plastic-eating lesser waxworm ( <i>Achroia grisella</i> ). <b>2019</b> , 26, 18509-18519	66
1190	Experimental investigation on in-situ hydrogenation induced gasification characteristics of acrylonitrile butadiene styrene (ABS) microplastics in supercritical water. <b>2019</b> , 192, 170-178	22
1189	Study of marine debris around a tourist city in East China: Implication for waste management. <b>2019</b> , 676, 278-289	28
1188	Municipal solid waste (MSW) landfill: A source of microplastics? -Evidence of microplastics in landfill leachate. <b>2019</b> , 159, 38-45	225
1187	Microplastics and the gut microbiome: How chronically exposed species may suffer from gut dysbiosis. <b>2019</b> , 143, 193-203	93
1186	Prospects for the Use of Whey for Polyhydroxyalkanoate (PHA) Production. <b>2019</b> , 10, 992	61
1185	History and Development of the Anthropocene as a Stratigraphic Concept. <b>2019</b> , 1-40	

1184 Stratigraphic Signatures of the Anthropocene. **2019**, 41-108

1183 The Biostratigraphic Signature of the Anthropocene. **2019**, 109-136

1182 The Stratigraphic Boundary of the Anthropocene. **2019**, 242-286

1181 Alternative and Renewable Bio-based and Biodegradable Plastics. **2019**, 2935-2954

10

1180 Toxicity assessment of pollutants sorbed on environmental microplastics collected on beaches: Part II-adverse effects on Japanese medaka early life stages. **2019**, 248, 1098-1107

36

1179 Biofilm-enhanced adsorption of strong and weak cations onto different microplastic sample types: Use of spectroscopy, microscopy and radiotracer methods. **2019**, 158, 392-400

49

1178 Inhabiting the technosphere: The encroachment of anthropogenic marine litter in Neotropical mangrove forests and its use as habitat by macrobenthic biota. **2019**, 142, 559-568

17

1177 The Technosphere and Its Physical Stratigraphic Record. **2019**, 137-155

1

1176 Microplastic in wild populations of the omnivorous crab *Carcinus aestuarii*: A review and a regional-scale test of extraction methods, including microfibrils. **2019**, 251, 117-127

34

1175 Environmental Deterioration of Biodegradable, Oxo-biodegradable, Compostable, and Conventional Plastic Carrier Bags in the Sea, Soil, and Open-Air Over a 3-Year Period. **2019**, 53, 4775-4783

144

1174 Development and Validation of an Efficient Method for Processing Microplastics in Biota Samples. **2019**, 38, 1400-1408

23

1173 Particle percolation in a poly(lactic acid)/calcium carbonate nanocomposite with a small amount of a secondary phase and its influence on the mechanical properties. **2019**, 40, 4023-4032

7

1172 Prevalence of microplastic pollution in the Northwestern Pacific Ocean. **2019**, 225, 735-744

21

1171 Seawater degradable PVA/PCL blends with water-soluble polyvinyl alcohol as degradation accelerator. **2019**, 163, 195-205

24

1170 The why and how of micro(nano)plastic research. **2019**, 114, 196-201

67

1169 A 3D numerical model to Track Marine Plastic Debris (TrackMPD): Sensitivity of microplastic trajectories and fates to particle dynamical properties and physical processes. **2019**, 141, 256-272

45

1168 The complex issue of chemicals and microplastic pollution: A case study in North Pacific lanternfish. **2019**, 248, 1000-1009

26

1167 Microplastics in the marine environment: Current trends in environmental pollution and mechanisms of toxicological profile. **2019**, 68, 61-74

278

1166	Microplastics and synthetic particles ingested by deep-sea amphipods in six of the deepest marine ecosystems on Earth. <b>2019</b> , 6, 180667	149
1165	Interaction between microplastics and microorganism as well as gut microbiota: A consideration on environmental animal and human health. <b>2019</b> , 667, 94-100	148
1164	Pollution and Environmental Perturbations in the Global System. <b>2019</b> , 457-476	19
1163	A Comprehensive Literature Study on Microfibres from Washing Machines. <b>2019</b> , 56, 94-104	12
1162	Solid-State Foaming of Acrylonitrile-Butadiene-Styrene/Recycled Polyethylene Terephthalate Using Carbon Dioxide as a Blowing Agent. <b>2019</b> , 11,	6
1161	Marine litter from fishery activities in the Western Mediterranean sea: The impact of entanglement on marine animal forests. <b>2019</b> , 249, 472-481	39
1160	Application of Matrix Scoring Techniques to evaluate marine debris sources in the remote islands of the Azores Archipelago. <b>2019</b> , 249, 666-675	17
1159	How much innovation is needed to protect the ocean from plastic contamination?. <b>2019</b> , 670, 789-799	45
1158	Promising techniques and open challenges for microplastic identification and quantification in environmental matrices. <b>2019</b> , 411, 3743-3756	89
1157	Understanding plastics pollution: The role of economic development and technological research. <b>2019</b> , 249, 812-821	59
1156	Spatial trends and drivers of marine debris accumulation on shorelines in South Eleuthera, The Bahamas using citizen science. <b>2019</b> , 142, 145-154	54
1155	Distribution and composition of plastic debris along the river shore in the Selenga River basin in Mongolia. <b>2019</b> , 26, 14059-14072	33
1154	Plastics in sea surface waters around the Antarctic Peninsula. <b>2019</b> , 9, 3977	120
1153	The English Plastic Bag Charge Changed Behavior and Increased Support for Other Charges to Reduce Plastic Waste. <b>2019</b> , 10, 266	32
1152	Plastic waste occurrence on a beach off southwestern Luzon, Philippines. <b>2019</b> , 141, 416-419	19
1151	Terrestrial ecologists should stop ignoring plastic pollution in the Anthropocene time. <b>2019</b> , 668, 1025-1029	34
1150	Cotransport and Deposition of Iron Oxides with Different-Sized Plastic Particles in Saturated Quartz Sand. <b>2019</b> , 53, 3547-3557	53
1149	Sorption behaviors of phenanthrene, nitrobenzene, and naphthalene on mesoplastics and microplastics. <b>2019</b> , 26, 12563-12573	16



1148	Phytotoxicity assessment of conventional and biodegradable plastic bags using seed germination test. <b>2019</b> , 102, 569-580	36
1147	Insights into the uptake, elimination and accumulation of microplastics in mussel. <b>2019</b> , 249, 321-329	60
1146	Plastics and microplastics: A threat to environment. <b>2019</b> , 14, 100352	64
1145	Marine Plastic Pollution: Other Than Microplastic. <b>2019</b> , 425-442	10
1144	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). <b>2019</b> , 6,	24
1143	Microplastics as Contaminant in Freshwater Ecosystem: A Modern Environmental Issue. <b>2019</b> , 1-24	
1142	Microbial Production and Properties of LA-based Polymers and Oligomers from Renewable Feedstock. <b>2019</b> , 361-390	3
1141	Fishing marine debris in a northeast Brazilian beach: Composition, abundance and tidal changes. <b>2019</b> , 142, 428-432	8
1140	Hyperspectral Imaging Based Method for Rapid Detection of Microplastics in the Intestinal Tracts of Fish. <b>2019</b> , 53, 5151-5158	33
1139	Occurrence and Species-Specific Distribution of Plastic Debris in Wild Freshwater Fish from the Pearl River Catchment, China. <b>2019</b> , 38, 1504-1513	28
1138	Nearshore survey and cleanup of benthic marine debris using citizen science divers along the Mediterranean coast of Israel. <b>2019</b> , 175, 17-32	10
1137	Nano silver embedded starch hybrid graphene oxide sandwiched poly(ethylmethacrylate) for packaging application. <b>2019</b> , 18, 100300	21
1136	Assessment of the Plastic Inputs From the Seine Basin to the Sea Using Statistical and Field Approaches. <b>2019</b> , 6,	34
1135	Microplastics FTIR characterisation and distribution in the water column and digestive tracts of small pelagic fish in the Gulf of Lions. <b>2019</b> , 142, 510-519	60
1134	Microplastics in coastal areas and seafood: implications for food safety. <b>2019</b> , 36, 674-711	98
1133	Exposure to microplastics (. <b>2019</b> , 157, 365-371	105
1132	Microplastics in commercial molluscs from the lagoon of Bizerte (Northern Tunisia). <b>2019</b> , 142, 243-252	81
1131	Marine litter on the Baltic seafloor collected by the international fish-trawl survey. <b>2019</b> , 141, 448-461	13

1130	Beached microplastics in the Northwestern Mediterranean Sea. <b>2019</b> , 142, 263-273	53
1129	Massive benthic litter funnelled to deep sea by flash-flood generated hyperpycnal flows. <b>2019</b> , 9, 5330	63
1128	Occurrence and seasonal distribution of microplastics and phthalates in sediments from the urban channel of the Ria and coast of Campeche, Mexico. <b>2019</b> , 672, 97-105	48
1127	Impacts of leachates from single-use polyethylene plastic bags on the early development of clam <i>Meretrix meretrix</i> (Bivalvia: Veneridae). <b>2019</b> , 142, 54-57	20
1126	Scientific note: first global report of a bee nest built only with plastic. <b>2019</b> , 50, 230-233	6
1125	Size effect of polystyrene microplastics on sorption of phenanthrene and nitrobenzene. <b>2019</b> , 173, 331-338	111
1124	Toxicity assessment of pollutants sorbed on environmental sample microplastics collected on beaches: Part I-adverse effects on fish cell line. <b>2019</b> , 248, 1088-1097	38
1123	Leachates of micronized plastic toys provoke embryotoxic effects upon sea urchin <i>Paracentrotus lividus</i> . <b>2019</b> , 247, 706-715	81
1122	Is plastic ingestion in birds as toxic as we think? Insights from a plastic feeding experiment. <b>2019</b> , 665, 660-667	22
1121	Polyhydroxyalkanoates: Biodegradable Plastics and Their Applications. <b>2019</b> , 2873-2900	6
1120	Assessment of seabed litter in the Northern and Central Adriatic Sea (Mediterranean) over six years. <b>2019</b> , 141, 24-35	28
1119	Characterization of microplastics in the surface waters of Kingston Harbour. <b>2019</b> , 664, 753-760	51
1118	Techniques for separation of plastic wastes. <b>2019</b> , 9-37	12
1117	Biodegradation of bisphenol A by bacterial consortia isolated directly from river sediments. <b>2019</b> , 14, 100314	28
1116	Research and management of plastic pollution in coastal environments of China. <b>2019</b> , 248, 898-905	52
1115	Spatio-temporal monitoring of coastal floating marine debris in the Balearic Islands from sea-cleaning boats. <b>2019</b> , 141, 205-214	10
1114	Anthropocene Chemostratigraphy. <b>2019</b> , 156-199	
1113	. <b>2019</b> , 47, 106-109	4

1112	A temporal sediment record of microplastics in an urban lake, London, UK. <b>2019</b> , 61, 449-462	80
1111	The ecotoxicological effects of microplastics on aquatic food web, from primary producer to human: A review. <b>2019</b> , 173, 110-117	218
1110	Effect of microplastics on the toxicity of chlorpyrifos to the microalgae <i>Isochrysis galbana</i> , clone t-ISO. <b>2019</b> , 173, 103-109	57
1109	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. <b>2019</b> , 140, 416-422	50
1108	Polyvinyl Chloride Microplastics Affect Methane Production from the Anaerobic Digestion of Waste Activated Sludge through Leaching Toxic Bisphenol-A. <b>2019</b> , 53, 2509-2517	156
1107	Floating microplastics and aggregate formation in the Western Mediterranean Sea. <b>2019</b> , 140, 523-535	101
1106	The results of the research on the pipelines protection from <i>Dreissena</i> on the water intake technological complexes of multi-purpose water supply systems for urban farms. <b>2019</b> , 698, 055041	4
1105	Remanufacturing of end-of-life glass-fiber reinforced composites via UV-assisted 3D printing. <b>2019</b> , 26, 981-992	9
1104	Plastics Waste Metabolism in a Petro-Island State: Towards Solving a "Wicked Problem" in Trinidad and Tobago. <b>2019</b> , 11, 6580	6
1103	Microplastics: A Global Water Pollution Problem. <b>2019</b> , 1-15	0
1102	Development of protective measures providing environmental safety in areas affected by water-intake constructions of urban households. <b>2019</b> , 698, 077053	6
1101	Methodological measurement basis environmental safety in construction and operation of water management facilities. <b>2019</b> , 126, 00066	1
1100	Community Approaches To Recycling Plastics. <b>2019</b> ,	1
1099	Evaluation of environmental safety of waterworks for urban water supply systems. <b>2019</b> , 698, 077060	3
1098	Eulerian Modeling of the Three-Dimensional Distribution of Seven Popular Microplastic Types in the Global Ocean. <b>2019</b> , 124, 8558-8573	35
1097	Plastics Waste [Consumer and Industry. <b>2019</b> , 73-96	
1096	Measuring Marine Plastic Debris from Space: Initial Assessment of Observation Requirements. <b>2019</b> , 11, 2443	45
1095	Plastic waste management and current scenario in India: a review. <b>2019</b> , 1-13	2

1094	Impact of Plastic Pollution on Marine Life in the Mediterranean Sea. <b>2019</b> , 1	11
1093	Selection of Plastic Degradation Indigenous bacteria Isolated from Tamangapa Landfill Macassar City. <b>2019</b> , 1341, 022023	2
1092	Assessment of qualitative indicators of drinking water and their influence on human health, as ecological safety factor of population. <b>2019</b> , 126, 00067	1
1091	The Problem of Microplastics and Regulatory Strategies in Italy. <b>2019</b> , 1	4
1090	Abundance of plastic debris across European and Asian rivers. <b>2019</b> , 14, 124051	49
1089	Sediment sampling with a core sampler equipped with aluminum tubes and an onboard processing protocol to avoid plastic contamination. <b>2019</b> , 6, 2662-2668	7
1088	Impacts of polystyrene microplastic on the gut barrier, microbiota and metabolism of mice. <b>2019</b> , 649, 308-317	285
1087	Metal matrix composite from recycled materials by using additive manufacturing assisted investment casting. <b>2019</b> , 207, 129-135	26
1086	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). <b>2019</b> , 222, 89-100	84
1085	Microplastics, a food safety issue?. <b>2019</b> , 84, 55-57	55
1084	Commercial plastics claiming biodegradable status: Is this also accurate for marine environments?. <b>2019</b> , 366, 714-722	65
1083	Accumulation and distribution of marine debris on barrier islands across the northern Gulf of Mexico. <b>2019</b> , 139, 14-22	18
1082	Ecotoxicological effects of microplastics: Examination of biomarkers, current state and future perspectives. <b>2019</b> , 111, 37-46	202
1081	A perspective on a locally managed decentralized circular economy for waste plastic in developing countries. <b>2019</b> , 38, 3-11	16
1080	Anthropogenically altered trophic webs: alien catfish and microplastics in the diet of Eurasian otters. <b>2019</b> , 64, 165-174	22
1079	Review on the occurrence and fate of microplastics in Sewage Treatment Plants. <b>2019</b> , 367, 504-512	148
1078	Inter-hemispherical shoreline surveys of anthropogenic marine debris - A binational citizen science project with schoolchildren. <b>2019</b> , 138, 464-473	32
1077	Physical-chemical characterization of microplastics present in some exfoliating products from Spain. <b>2019</b> , 139, 91-99	41

1076	Quantity and spatial distribution of seafloor marine debris in the Moroccan Mediterranean Sea. <b>2019</b> , 139, 163-173	24
1075	Microplastic contamination in surface waters in Guanabara Bay, Rio de Janeiro, Brazil. <b>2019</b> , 139, 157-162	51
1074	Ecotoxicological characterization of possible degradation products of the polymeric flame retardant "Polymeric FR" using algae and Daphnia OECD tests. <b>2019</b> , 656, 101-107	7
1073	Embracing an interdisciplinary approach to plastics pollution awareness and action. <b>2019</b> , 48, 855-866	5
1072	Megafauna distribution along active submarine canyons of the central Mediterranean: Relationships with environmental variables. <b>2019</b> , 171, 49-69	14
1071	Process targeting: An energy based comparison of waste plastic processing technologies. <b>2019</b> , 170, 273-283	26
1070	Cosmeceuticals: What's Real, What's Not. <b>2019</b> , 37, 107-115	23
1069	Structure-related properties of bionanocomposites based on poly(lactic acid), cellulose nanocrystals and organic impact modifier. <b>2019</b> , 34, 143-156	10
1068	Phthalate Release from Plastic Fragments and Degradation in Seawater. <b>2019</b> , 53, 166-175	143
1067	Pressure and impact of anthropogenic litter on marine and estuarine reptiles: an updated "blacklist" highlighting gaps of evidence. <b>2019</b> , 26, 1238-1249	23
1066	Tailoring Hydrocarbon Polymers and All-Hydrocarbon Composites for Circular Economy. <b>2019</b> , 40, e1800608	34
1065	The Role of Biodegradable Plastic in Solving Plastic Solid Waste Accumulation. <b>2019</b> , 469-505	18
1064	Plastic ingestion in aquatic birds in Portugal. <b>2019</b> , 138, 19-24	27
1063	Assessing plastic debris in aquatic food webs: what we know and don't know about uptake and trophic transfer. <b>2019</b> , 27, 304-317	64
1062	Distinctive impact of polystyrene nano-spherules as an emergent pollutant toward the environment. <b>2019</b> , 26, 1537-1547	21
1061	Emissions and Environmental Burdens Associated With Plastic Solid Waste Management. <b>2019</b> , 313-342	11
1060	Toward Infinitely Recyclable Plastics Derived from Renewable Cyclic Esters. <b>2019</b> , 5, 284-312	106
1059	Selective accumulation of plastic debris at the breaking wave area of coastal waters. <b>2019</b> , 245, 702-710	25

1058	Emerging threats and persistent conservation challenges for freshwater biodiversity. <b>2019</b> , 94, 849-873	807
1057	Effect of salinity and humic acid on the aggregation and toxicity of polystyrene nanoplastics with different functional groups and charges. <b>2019</b> , 245, 836-843	96
1056	Life Cycle Assessment of the existing and proposed plastic waste management options in India: A case study. <b>2019</b> , 211, 1268-1283	73
1055	Microplastics do not increase toxicity of a hydrophobic organic chemical to marine plankton. <b>2019</b> , 138, 58-62	40
1054	Nearshore sea surface macro marine debris in Maui County, Hawaii: Distribution, drivers, and polymer composition. <b>2019</b> , 138, 70-83	3
1053	Raman microspectroscopic identification of microplastic particles in freshwater bivalves ( <i>Unio pictorum</i> ) exposed to sewage treatment plant effluents under different exposure scenarios. <b>2019</b> , 26, 2007-2012	20
1052	Profiles of bacterial assemblages from microplastics of tropical coastal environments. <b>2019</b> , 655, 313-320	76
1051	Marine litter in the Croatian part of the middle Adriatic Sea: Simultaneous assessment of floating and seabed macro and micro litter abundance and composition. <b>2019</b> , 139, 427-439	44
1050	Low-density polyethylene microplastics as a source and carriers of agrochemicals to soil and earthworms. <b>2019</b> , 16, 8	73
1049	Chemoselective, Postpolymerization Modification of Bioactive, Degradable Polymers. <b>2019</b> , 20, 1018-1027	15
1048	Targeting microplastic particles in the void of diluted suspensions. <b>2019</b> , 123, 428-435	41
1047	Microplastics and attached microorganisms in sediments of the Vitória bay estuarine system in SE Brazil. <b>2019</b> , 169, 247-253	54
1046	Degradation of the Polymeric Brominated Flame Retardant "Polymeric FR" by Heat and UV Exposure. <b>2019</b> , 53, 1453-1462	14
1045	Evaluating exposure of northern fur seals, <i>Callorhinus ursinus</i> , to microplastic pollution through fecal analysis. <b>2019</b> , 138, 213-221	39
1044	Influence of oceanographic and meteorological events on the quantity and quality of marine debris along an estuarine gradient. <b>2019</b> , 139, 282-298	22
1043	Micro(nano)plastics: Unignorable vectors for organisms. <b>2019</b> , 139, 328-331	82
1042	Emergence of Nanoplastic in the Environment and Possible Impact on Human Health. <b>2019</b> , 53, 1748-1765	356
1041	Trace elements in microplastics in Cartagena: A hotspot for plastic pollution at the Caribbean. <b>2019</b> , 139, 402-411	54

1040	A harmonized and coordinated assessment of the abundance and composition of seafloor litter in the Adriatic-Ionian macroregion (Mediterranean Sea). <b>2019</b> , 139, 412-426	29
1039	mutagenicity and genotoxicity of raw and simulated leachates from plastic waste dumpsite. <b>2019</b> , 29, 403-410	3
1038	Microfibres from apparel and home textiles: Prospects for including microplastics in environmental sustainability assessment. <b>2019</b> , 652, 483-494	214
1037	Abundance and distribution of microplastics in the surface sediments from the northern Bering and Chukchi Seas. <b>2019</b> , 245, 122-130	90
1036	Bioavailability and effects of microplastics on marine zooplankton: A review. <b>2019</b> , 245, 98-110	313
1035	Accumulation and characteristics of plastic debris along five beaches in Cape Town. <b>2019</b> , 138, 451-457	36
1034	A nutritional perspective on plastic ingestion in wildlife. <b>2019</b> , 656, 789-796	17
1033	Micro(nano)plastics: An un-ignorable carbon source?. <b>2019</b> , 657, 108-110	35
1032	The first application of quantitative <sup>1</sup> H NMR spectroscopy as a simple and fast method of identification and quantification of microplastic particles (PE, PET, and PS). <b>2019</b> , 411, 823-833	35
1031	Microplastics in soils: assessment, analytics and risks. <b>2019</b> , 16, 18	70
1030	Uptake of nanopolystyrene particles induces distinct metabolic profiles and toxic effects in <i>Caenorhabditis elegans</i> . <b>2019</b> , 246, 578-586	100
1029	A 2-Tier standard method to test the toxicity of microplastics in marine water using <i>Paracentrotus lividus</i> and <i>Acartia clausi</i> larvae. <b>2019</b> , 38, 630-637	18
1028	Marine litter in stomach content of small pelagic fishes from the Adriatic Sea: sardines ( <i>Sardina pilchardus</i> ) and anchovies ( <i>Engraulis encrasicolus</i> ). <b>2019</b> , 26, 2771-2781	60
1027	First record of debris ingestion by the shorebird American Oystercatcher ( <i>Haematopus palliatus</i> ) on the Southern coast of Brazil. <b>2019</b> , 138, 235-240	7
1026	Debris in Deep Water. <b>2019</b> , 251-268	7
1025	Macroplastics Pollution in the Marine Environment. <b>2019</b> , 305-328	26
1024	Using waste flexible polyvinyl chloride treated with DOP/calcium hydroxide for enriching the performance of oxidizing bitumen. <b>2019</b> , 136, 1079-1091	3
1023	Examining effects of ontogenic microplastic transference on <i>Culex</i> mosquito mortality and adult weight. <b>2019</b> , 651, 871-876	28

1022	Microplastic contamination in gudgeons ( <i>Gobio gobio</i> ) from Flemish rivers (Belgium). <b>2019</b> , 244, 675-684	60
1021	Microplastics in juvenile Chinook salmon and their nearshore environments on the east coast of Vancouver Island. <b>2019</b> , 244, 135-142	48
1020	Microplastics in the Northwestern Pacific: Abundance, distribution, and characteristics. <b>2019</b> , 650, 1913-1922	151
1019	Marine Microbial Assemblages on Microplastics: Diversity, Adaptation, and Role in Degradation. <b>2020</b> , 12, 209-232	137
1018	Behavior of microplastics and plastic film residues in the soil environment: A critical review. <b>2020</b> , 703, 134722	198
1017	Theories, Vectors, and Computer Models: Marine Invasion Science in the Anthropocene. <b>2020</b> , 195-209	1
1016	Microplastic concentrations, size distribution, and polymer types in the surface waters of a northern European lake. <b>2020</b> , 92, 149-156	54
1015	An overview of microplastics characterization by thermal analysis. <b>2020</b> , 242, 125170	52
1014	Defense responses in earthworms ( <i>Eisenia fetida</i> ) exposed to low-density polyethylene microplastics in soils. <b>2020</b> , 187, 109788	66
1013	Microplastic pollution in vegetable farmlands of suburb Wuhan, central China. <b>2020</b> , 257, 113449	117
1012	As(III) adsorption onto different-sized polystyrene microplastic particles and its mechanism. <b>2020</b> , 239, 124792	74
1011	Effects of microplastics on greenhouse gas emissions and the microbial community in fertilized soil. <b>2020</b> , 256, 113347	96
1010	Micro- and nano-plastics in marine environment: Source, distribution and threats - A review. <b>2020</b> , 698, 134254	198
1009	How much are microplastics harmful to the health of amphibians? A study with pristine polyethylene microplastics and <i>Physalaemus cuvieri</i> . <b>2020</b> , 382, 121066	60
1008	Bioavailability and toxicity of microplastics to fish species: A review. <b>2020</b> , 189, 109913	136
1007	Analysis and inorganic composition of microplastics in commercial Malaysian fish meals. <b>2020</b> , 150, 110687	39
1006	Microplastics: Sources and distribution in surface waters and sediments of Todos Santos Bay, Mexico. <b>2020</b> , 703, 134838	38
1005	Cytogenotoxic potential of a hazardous material, polystyrene microparticles on <i>Allium cepa</i> L. <b>2020</b> , 385, 121560	39



1004	A microplastic used as infill material in artificial sport turfs reduces plant growth. <b>2020</b> , 2, 157-166	23
1003	Focus topics on microplastics in soil: Analytical methods, occurrence, transport, and ecological risks. <b>2020</b> , 257, 113570	117
1002	Marine litter pollution on the Northern Island of the Novaya Zemlya archipelago. <b>2020</b> , 150, 110671	15
1001	Convolutional neural network for soil microplastic contamination screening using infrared spectroscopy. <b>2020</b> , 702, 134723	32
1000	Microplastic occurrence and effects in commercially harvested North American finfish and shellfish: Current knowledge and future directions. <b>2020</b> , 5, 113-136	20
999	Marine invertebrate larvae love plastics: Habitat selection and settlement on artificial substrates. <b>2020</b> , 257, 113571	25
998	Dynamic probabilistic material flow analysis of rubber release from tires into the environment. <b>2020</b> , 258, 113573	38
997	A preliminary study of the interactions between microplastics and citrate-coated silver nanoparticles in aquatic environments. <b>2020</b> , 385, 121601	38
996	Selectively enrichment of antibiotics and ARGs by microplastics in river, estuary and marine waters. <b>2020</b> , 708, 134594	68
995	Microplastic pollution in water, sediment, and fish from artificial reefs around the Ma'an Archipelago, Shengsi, China. <b>2020</b> , 703, 134768	73
994	Microplastic accumulation in fish from Zhanjiang mangrove wetland, South China. <b>2020</b> , 708, 134839	62
993	Microplastic concentrations in two Oregon bivalve species: Spatial, temporal, and species variability. <b>2020</b> , 5, 54-65	42
992	Experimental study on gasification performance of polypropylene (PP) plastics in supercritical water. <b>2020</b> , 191, 116527	55
991	Microplastic study reveals the presence of natural and synthetic fibres in the diet of King Penguins ( <i>Aptenodytes patagonicus</i> ) foraging from South Georgia. <b>2020</b> , 134, 105303	51
990	Environmental fate and impacts of microplastics in soil ecosystems: Progress and perspective. <b>2020</b> , 708, 134841	143
989	A National-Scale Framework for Visualizing Riverine Concentrations of Microplastics Released from Municipal Wastewater Treatment Incorporating Generalized Instream Losses. <b>2020</b> , 39, 210-219	2
988	Occurrence, distribution and size relationships of plastic debris along shores and sediment of northern Lake Victoria. <b>2020</b> , 257, 113442	30
987	Wetland soil microplastics are negatively related to vegetation cover and stem density. <b>2020</b> , 256, 113391	68

986	Greenland Sea Gyre increases microplastic pollution in the surface waters of the Nordic Seas. <b>2020</b> , 712, 136484	47
985	Potential interferences of microplastics in the phytoremediation of Cd and Cu by the salt marsh plant <i>Phragmites australis</i> . <b>2020</b> , 8, 103658	14
984	Temporal dynamic of anthropogenic fibers in a tropical river-estuarine system. <b>2020</b> , 259, 113897	25
983	The analysis of the accumulation of solid waste debris in the summer season along the Shilaoren Beach Qingdao, China. <b>2020</b> , 34, 101041	5
982	Bottom-trawl catch composition in a highly polluted coastal area reveals multifaceted native biodiversity and complex communities of fouling organisms on litter discharge. <b>2020</b> , 155, 104875	20
981	Cotransport of naphthalene with polystyrene nanoplastics (PSNP) in saturated porous media: Effects of PSNP/naphthalene ratio and ionic strength. <b>2020</b> , 245, 125602	19
980	Occurrence of organic pollutants in plastics on beach: Stranded foams can be sources of pollutants in islands. <b>2020</b> , 707, 136119	8
979	Carbonization: A feasible route for reutilization of plastic wastes. <b>2020</b> , 710, 136250	53
978	Immunotoxicity of microplastics and two persistent organic pollutants alone or in combination to a bivalve species. <b>2020</b> , 258, 113845	85
977	A new thermoanalytical method for the quantification of microplastics in industrial wastewater. <b>2020</b> , 259, 113862	22
976	Characterisation of microplastic contamination in sediment of England's inshore waters. <b>2020</b> , 151, 110788	4
975	Micro- and nanoplastic toxicity on aquatic life: Determining factors. <b>2020</b> , 709, 136050	164
974	Energy and environmental assessment of plastic granule production from recycled greenhouse covering films in a circular economy perspective. <b>2020</b> , 254, 109796	16
973	Quali-quantitative analysis of plastics and synthetic microfibers found in demersal species from Southern Tyrrhenian Sea (Central Mediterranean). <b>2020</b> , 150, 110596	38
972	Plasticizer Degradation by Marine Bacterial Isolates: A Proteogenomic and Metabolomic Characterization. <b>2020</b> , 54, 2244-2256	36
971	Quantity of plastic waste input into the ocean from China based on a material flow analysis model. <b>2020</b> , 3, 1-5	6
970	Scientific note: mass-nesting of a native bee <i>Hylaeus (Euprosopoides) ruficeps kalamundae</i> (Cockerell, 1915) (Hymenoptera: Colletidae: Hylaeinae) in polystyrene. <b>2020</b> , 51, 107-111	3
969	Comparative biodegradation study of polymer from plastic bottle waste using novel isolated bacteria and fungi from marine source. <b>2020</b> , 27, 1	21

968	Fabrication and properties of thermoplastic starch/montmorillonite composite using dialdehyde starch as a crosslinker. <b>2020</b> , 69, 317-327	12
967	Effect of nanoplastics on fish health and performance: A review. <b>2020</b> , 151, 110791	38
966	Microplastics and seafood: lower trophic organisms at highest risk of contamination. <b>2020</b> , 190, 110066	137
965	Potential health impact of environmental micro- and nanoplastics pollution. <b>2020</b> , 40, 4-15	79
964	Plastic pollution in paradise: Daily accumulation rates of marine litter on Cousine Island, Seychelles. <b>2020</b> , 151, 110803	26
963	Occurrence and pollution characteristics of microplastics in surface water of the Manas River Basin, China. <b>2020</b> , 710, 136099	39
962	Potential adverse health effects of ingested micro- and nanoplastics on humans. Lessons learned from and mammalian models. <b>2020</b> , 23, 51-68	87
961	Incidence of anthropogenic material in <i>Sula leucogaster</i> nests in a distant archipelago of Brazil. <b>2020</b> , 151, 110815	6
960	Spatial and temporal distribution of marine litter on the seafloor of the Balearic Islands (western Mediterranean Sea). <b>2020</b> , 155, 103178	10
959	Microplastics in the sediment of Lake Ulansuhai of Yellow River Basin, China. <b>2020</b> , 92, 829-839	14
958	A review of the potential utilisation of plastic waste as adsorbent for removal of hazardous priority contaminants from aqueous environments. <b>2020</b> , 258, 113698	31
957	What is known and unknown about the effects of plastic pollution: A meta-analysis and systematic review. <b>2020</b> , 30, e02044	140
956	Assessment of microplastics in freshwater systems: A review. <b>2020</b> , 707, 135578	219
955	Seasonal microplastics variation in nival and pluvial stretches of the Rhine River - From the Swiss catchment towards the North Sea. <b>2020</b> , 707, 135579	43
954	Microplastic (1 and 5 $\mu$ m) exposure disturbs lifespan and intestine function in the nematode <i>Caenorhabditis elegans</i> . <b>2020</b> , 705, 135837	39
953	Transport of engineered nanoparticles in porous media and its enhancement for remediation of contaminated groundwater. <b>2020</b> , 50, 2301-2378	8
952	Microplastics in stormwater runoff in a semiarid region, Tijuana, Mexico. <b>2020</b> , 704, 135411	46
951	Microplastic consumption and excretion by fathead minnows ( <i>Pimephales promelas</i> ): Influence of particles size and body shape of fish. <b>2020</b> , 704, 135433	25

950	Microplastics ingestion in the ephyra stage of <i>Aurelia</i> sp. triggers acute and behavioral responses. <b>2020</b> , 189, 109983	29
949	Impact of artificial digestion on the sizes and shapes of microplastic particles. <b>2020</b> , 135, 111010	29
948	Research landscape of a global environmental challenge: Microplastics. <b>2020</b> , 170, 115358	31
947	Distribution of microplastics in surface water and sediments of Qin river in Beibu Gulf, China. <b>2020</b> , 708, 135176	71
946	Microplastics in subsurface waters of the western equatorial Atlantic (Brazil). <b>2020</b> , 150, 110705	21
945	Microplastics composition and load from three wastewater treatment plants discharging into Mersin Bay, north eastern Mediterranean Sea. <b>2020</b> , 150, 110776	61
944	Microplastics have lethal and sublethal effects on stream invertebrates and affect stream ecosystem functioning. <b>2020</b> , 259, 113898	23
943	Microplastics and Nanoplastics in the Freshwater and Terrestrial Environment: A Review. <b>2020</b> , 12, 2633	60
942	Exposure of microalgae <i>Euglena gracilis</i> to polystyrene microbeads and cadmium: Perspective from the physiological and transcriptional responses. <b>2020</b> , 228, 105650	11
941	The Paleoecology of Microplastic Contamination. <b>2020</b> , 8,	14
940	Microplastic abundance and accumulation behavior in Lake Onego sediments: a journey from the river mouth to pelagic waters of the large boreal lake. <b>2020</b> , 8, 104367	15
939	Fate of river-borne floating litter during the flooding event in the northeastern part of the Black Sea in October 2018. <b>2020</b> , 160, 111678	11
938	Anthropogenic debris in the digestive tract of a southern right whale ( <i>Eubalaena australis</i> ) stranded in Golfo Nuevo, Argentina. <b>2020</b> , 161, 111738	3
937	Protective Effect of Nanochitosan Incorporated with Free/nanoliposome Cumin ( <i>Cuminum cyminum</i> L.) Aqueous Extract on Sardine Fish. <b>2020</b> , 29, 949-961	8
936	The Way of Macroplastic through the Environment. <b>2020</b> , 7, 73	29
935	Airborne Microplastics. <b>2020</b> , 1-25	1
934	Biodegradation of Polyvinyl Chloride (PVC) in <i>Tenebrio molitor</i> (Coleoptera: Tenebrionidae) larvae. <b>2020</b> , 145, 106106	48
933	Plastic pollution in the marine environment. <b>2020</b> , 6, e04709	95

932	Incorporation of anthropogenic debris into double-crested cormorant nests, Toronto, Ontario. <b>2020</b> , 46, 1761-1766	3
931	Red-legged cormorant uses plastic as nest material in an artificial breeding colony of Atacama Desert coast. <b>2020</b> , 160, 111632	9
930	Degradation of bio-based and biodegradable plastics in a salt marsh habitat: Another potential source of microplastics in coastal waters. <b>2020</b> , 160, 111518	19
929	Microplastic ingestion in important commercial fish in the southern Caspian Sea. <b>2020</b> , 160, 111598	23
928	Assessing the Toxicity of Leachates From Weathered Plastics on Photosynthetic Marine Bacteria Prochlorococcus. <b>2020</b> , 7,	12
927	Exploring the relation between plastic ingestion in species and its presence in seafloor bottoms. <b>2020</b> , 160, 111641	14
926	First report from North America of microplastics in the gastrointestinal tract of stranded bottlenose dolphins ( <i>Tursiops truncatus</i> ). <b>2020</b> , 160, 111677	11
925	Marine debris in Moroccan Mediterranean beaches: An assessment of their abundance, composition and sources. <b>2020</b> , 160, 111692	8
924	Regional study of microplastics in surface waters and deep sea sediments south of the Algarve Coast. <b>2020</b> , 40, 101488	9
923	Microplastic Pollution in China, an Invisible Threat Exacerbated by Food Delivery Services. <b>2021</b> , 107, 778-785	5
922	Microplastics in Wastewater. <b>2020</b> , 1-33	1
921	Transfer of Additive Chemicals From Marine Plastic Debris to the Stomach Oil of Northern Fulmars. <b>2020</b> , 8,	15
920	Assessment of Microplastics in Roadside Suspended Dust from Urban and Rural Environment of Nagpur, India. <b>2020</b> , 14, 629-640	13
919	Assessing the risk of whale entanglement with fishing gear debris. <b>2020</b> , 161, 111720	2
918	Ultraviolet-C and vacuum ultraviolet inducing surface degradation of microplastics. <b>2020</b> , 186, 116360	37
917	Systematic meta-review analysis of review papers in the marine plastic pollution literature. <b>2020</b> , 161, 111690	12
916	Identification and characterization of micro-plastics in the marine environment: A mini review. <b>2020</b> , 160, 111704	10
915	Essential oils as antimicrobial agents in biopolymer-based food packaging - A comprehensive review. <b>2020</b> , 38, 100785	28

914	Spatial patterns of mesoplastics and coarse microplastics in floodplain soils as resulting from land use and fluvial processes. <b>2020</b> , 267, 115390	33
913	Occurrence and spatial distribution of microplastics in beach sediments of Cox's Bazar, Bangladesh. <b>2020</b> , 160, 111587	23
912	Small scale habitat effects on anthropogenic litter material and sources in a coastal lagoon system. <b>2020</b> , 160, 111689	1
911	Chemical composition and abundance of microplastics in the muscle of commercial shrimp <i>Pleoticus muelleri</i> at an impacted coastal environment (Southwestern Atlantic). <b>2020</b> , 161, 111700	32
910	Benthic macrofauna as an indicator of Ecological Integrity at an ocean beach with touristic purpose; Playa El Rivero, Punta Del Diablo, Rocha, Uruguay. <b>2020</b> , 39, 101441	0
909	Copernicus Marine Service Ocean State Report, Issue 4. <b>2020</b> , 13, S1-S172	26
908	Shading by marine litter impairs the health of the two Indo-Pacific scleractinian corals <i>Porites rus</i> and <i>Pavona cactus</i> . <b>2020</b> , 158, 111429	5
907	Abundance and characteristics of microfibers detected in sediment trap material from the deep subtropical North Atlantic Ocean. <b>2020</b> , 738, 140354	16
906	Microplastic Characterization by Infrared Spectroscopy. <b>2020</b> , 1-33	2
905	Monitoring and analysis of marine litter in Vodenjak cove on IIsland, central Croatian Adriatic Sea. <b>2020</b> , 31, 905-912	7
904	High prevalence of plastic ingestion by <i>Eriocheir sinensis</i> and <i>Carcinus maenas</i> (Crustacea: Decapoda: Brachyura) in the Thames Estuary. <b>2020</b> , 265, 114972	11
903	Microplastics in Polar Samples. <b>2020</b> , 1-42	7
902	Protein based packaging of plant origin: Fabrication, properties, recent advances and future perspectives. <b>2020</b> , 164, 707-716	15
901	Investigating the presence of microplastics in demersal sharks of the North-East Atlantic. <b>2020</b> , 10, 12204	14
900	Degradation Rates of Plastics in the Environment. <b>2020</b> , 8, 3494-3511	466
899	Effective uptake of submicrometre plastics by crop plants via a crack-entry mode. <b>2020</b> , 3, 929-937	191
898	<i>Tenebrio molitor</i> and its gut bacteria growth in polystyrene (PS) presence as the sole source carbon. <b>2020</b> , 25, 37-53	1
897	Sampling and Quality Assurance and Quality Control: A Guide for Scientists Investigating the Occurrence of Microplastics Across Matrices. <b>2020</b> , 74, 1099-1125	75

896	In Vivo Accumulation of Plastic-Derived Chemicals into Seabird Tissues. <b>2020</b> , 30, 723-728.e3	47
895	Spatio-temporal distribution of plastic and microplastic debris in the surface water of the Bohai Sea, China. <b>2020</b> , 158, 111343	19
894	Microplastics in sandy environments in the Florida Keys and the panhandle of Florida, and the ingestion by sea cucumbers (Echinodermata: Holothuroidea) and sand dollars (Echinodermata: Echinoidea). <b>2020</b> , 158, 111437	11
893	A systems analysis of microplastic pollution in Laizhou Bay, China. <b>2020</b> , 745, 140815	26
892	Nanoplastics impact the zebrafish ( <i>Danio rerio</i> ) transcriptome: Associated developmental and neurobehavioral consequences. <b>2020</b> , 266, 115090	32
891	Microplastic fluxes in a large and a small Mediterranean river catchments: The Tě and the Rhěe, Northwestern Mediterranean Sea. <b>2020</b> , 716, 136984	35
890	The Bay of Biscay as a trapping zone for exogenous plastics of different sizes. <b>2020</b> , 163, 101929	7
889	An overview of analytical methods for detecting microplastics in the atmosphere. <b>2020</b> , 130, 115981	42
888	The contamination of inland waters by microplastic fibres under different anthropogenic pressure: Preliminary study in Central Europe (Poland). <b>2020</b> , 38, 1231-1238	11
887	Quantification and morphological characterization of plastic litter (0.30-100 mm) in surface waters of off Colombo, west coast of Sri Lanka. <b>2020</b> , 192, 509	6
886	Structural Diversity in Early-Stage Biofilm Formation on Microplastics Depends on Environmental Medium and Polymer Properties. <b>2020</b> , 12, 3216	6
885	First marine litter survey on beaches in Solomon Islands and Vanuatu, South Pacific: Using OSPAR protocol to inform the development of national action plans to tackle land-based solid waste pollution. <b>2020</b> , 161, 111827	10
884	Biodegradable, Hygienic, and Compostable Tableware from Hybrid Sugarcane and Bamboo Fibers as Plastic Alternative. <b>2020</b> , 3, 2066-2079	32
883	Predicting the Dispersal and Accumulation of Microplastic Pellets Within the Estuarine and Coastal Waters of South-Eastern Brazil Using Integrated Rainfall Data and Lagrangian Particle Tracking Models. <b>2020</b> , 8,	6
882	A Review of the Production, Recycling and Management of Marine Plastic Pollution. <b>2020</b> , 8, 945	10
881	Spatio-Temporal Variability of Anthropogenic and Natural Wrack Accumulations along the Driftline: Marine Litter Overcomes Wrack in the Northern Sandy Beaches of Portugal. <b>2020</b> , 8, 966	3
880	Interaction of Invertebrates and Synthetic Polymers in Soil: A Review. <b>2020</b> , 51, 503-517	6
879	Microplastic Exposure by Razor Clam Recreational Harvester-Consumers Along a Sparsely Populated Coastline. <b>2020</b> , 7,	7

878	Life Below Water. <b>2020</b> , 1-11	0
877	3D printing as an enabling technology to implement maritime plastic Circular Economy. <b>2020</b> , 51, 635-641	3
876	Environmental sustainability in endodontics. A life cycle assessment (LCA) of a root canal treatment procedure. <b>2020</b> , 20, 348	5
875	Microplastics distribution and contamination from the Cochin coastal zone, India. <b>2020</b> , 40, 101533	8
874	Determination of Construction Design to Reduce the Amount of Marine Litter at Seawater Intake Using Particle Tracking Module of Numerical Method by Mike 21 (Case Study: Tanjung Awar - Awar, Tuban, East Java). <b>2020</b> , 1625, 012045	0
873	Toward Balancing the Budget: Surface Macro-Plastics Dominate the Mass of Particulate Pollution Stranded on Beaches. <b>2020</b> , 7,	13
872	A Review on the Production of Thermo-Plastic Starch From the Wastes of Starchy Fruits and Vegetables. <b>2020</b> ,	
871	Crystal structure of an acetyl-CoA acetyltransferase from PHB producing bacterium <i>Bacillus cereus</i> ATCC 14579. <b>2020</b> , 533, 442-448	1
870	Ingestion of Microplastic by Fish of Different Feeding Habits in Urbanized and Non-urbanized Streams in Southern Brazil. <b>2020</b> , 231, 1	16
869	Evidence of microplastics from benthic jellyfish ( <i>Cassiopea xamachana</i> ) in Florida estuaries. <b>2020</b> , 159, 111521	18
868	Microplastic and tire wear particle occurrence in fishes from an urban estuary: Influence of feeding characteristics on exposure risk. <b>2020</b> , 160, 111539	22
867	Bibliometric Profile of Global Microplastics Research from 2004 to 2019. <b>2020</b> , 17,	19
866	3D Printing of Polymer Waste for Improving People's Awareness about Marine Litter. <b>2020</b> , 12,	14
865	Microplastic-associated trophic transfer of benzo(k)fluoranthene in a limnic food web: Effects in two freshwater invertebrates ( <i>Daphnia magna</i> , <i>Chironomus riparius</i> ) and zebrafish ( <i>Danio rerio</i> ). <b>2020</b> , 237, 108849	3
864	Combined effect of plastic litter and increased atmospheric nitrogen deposition on vegetative propagules of dune plants: A further threat to coastal ecosystems. <b>2020</b> , 266, 115281	8
863	Polyethylene Terephthalate Deconstruction Catalyzed by a Carbon-Supported Single-Site Molybdenum-Dioxo Complex. <b>2020</b> , 59, 19857-19861	34
862	Biodegradation of polyethylene: a brief review. <b>2020</b> , 63,	68
861	Rapid Identification of Marine Plastic Debris via Spectroscopic Techniques and Machine Learning Classifiers. <b>2020</b> , 54, 10630-10637	31



860	Utilization of Solid Waste from Refined Sugar Industry (Filter Cake) as Biodegradable Foam (Biofoam). <b>2020</b> , 473, 012108	0
859	Environmental Sustainability of Plastic in Agriculture. <b>2020</b> , 10, 310	5
858	Microplastics in Biota. <b>2020</b> , 1-23	
857	Microplastic Pollution and Reduction Strategies. <b>2020</b> , 1-33	0
856	Coupling Gastro-Intestinal Tract Analysis With an Airborne Contamination Control Method to Estimate Litter Ingestion in Demersal Elasmobranchs. <b>2020</b> , 8,	5
855	Rapid Sampling of Suspended and Floating Microplastics in Challenging Riverine and Coastal Water Environments in Japan. <b>2020</b> , 12, 1903	15
854	Studying the Concentration of Microplastic Particles in Water, Bottom Sediments and Subsoils in the Coastal Area of the Neva Bay, the Gulf of Finland. <b>2020</b> , 47, 599-607	4
853	An intelligent way for discerning plastics at the shorelines and the seas. <b>2020</b> , 27, 42631-42643	9
852	Assessing the potential risk and relationship between microplastics and phthalates in surface seawater of a heavily human-impacted metropolitan bay in northern China. <b>2020</b> , 204, 111067	17
851	Microplastics and accumulated heavy metals in restored mangrove wetland surface sediments at Jinjiang Estuary (Fujian, China). <b>2020</b> , 159, 111482	33
850	Marine macro-litter composition and distribution along the Kenyan Coast: The first-ever documented study. <b>2020</b> , 159, 111497	11
849	The long-term legacy of plastic mass production. <b>2020</b> , 746, 141115	25
848	First ecotoxicological characterization of paraffin microparticles: a biomarker approach in a marine suspension-feeder, <i>Mytilus</i> sp. <b>2020</b> , 27, 41946-41960	2
847	Toxicological effects of microplastics and heavy metals on the <i>Daphnia magna</i> . <b>2020</b> , 746, 141254	38
846	Plastic ingestion by seabirds in the circumpolar Arctic: a review. <b>2020</b> , 28, 506-516	9
845	A Review of Microplastics in Freshwater Environments: Locations, Methods, and Pollution Loads. <b>2020</b> , 65-90	1
844	In pursuit of environmentally friendly straws: a comparative life cycle assessment of five straw material options in South Africa. <b>2020</b> , 25, 1818-1832	16
843	Microplastic degradation by bacteria in aquatic ecosystem. <b>2020</b> , 431-467	13

842	Use of plastic mulch in agriculture and strategies to mitigate the associated environmental concerns. <b>2020</b> , 164, 231-287	13
841	Assessing urban microplastic pollution in a benthic habitat of Patagonia Argentina. <b>2020</b> , 159, 111491	14
840	Environmental perspectives of microplastic pollution in the aquatic environment: a review. <b>2020</b> , 2, 414-430	6
839	Quantifying impacts of plastic debris on marine wildlife identifies ecological breakpoints. <b>2020</b> , 23, 1479-1487	20
838	Microplastic pollution as a grand challenge in marine research: A closer look at their adverse impacts on the immune and reproductive systems. <b>2020</b> , 204, 111109	37
837	Microplastic pollutants in the coastal dunes of Lake Erie and Lake Ontario. <b>2020</b> , 46, 1754-1760	2
836	The effect of sodium hypochlorite concentration on extraction of poly-β-hydroxy-butyrate (PHB) produced from soil bacteria Burkholderia sp B37. <b>2020</b> , 483, 012006	0
835	Microplastics in Soils and Sediment: Sources, Methodologies, and Interactions with Microorganisms. <b>2020</b> , 1-31	
834	Estimations of densities of marine litter on the fringing reefs of Mayotte (France - South Western Indian Ocean) - impacts on coral communities. <b>2020</b> , 160, 111643	6
833	Microplastics in the Environment: Raising Awareness in Primary Education. <b>2020</b> , 82, 478-487	4
832	Microbial and Enzymatic Degradation of Synthetic Plastics. <b>2020</b> , 11, 580709	104
831	Ingestion and elimination of anthropogenic fibres and microplastic fragments by the European anchovy ( <i>Engraulis encrasicolus</i> ) of the NW Mediterranean Sea. <b>2020</b> , 167, 1	5
830	Floating marine macro litter: Density reference values and monitoring protocol settings from coast to offshore. Results from the MEDSEALITTER project. <b>2020</b> , 160, 111647	7
829	Plastics in surface water of southern coastal belt of Sri Lanka (Northern Indian Ocean): Distribution and characterization by FTIR. <b>2020</b> , 161, 111750	11
828	Cladophora algae cellulose and starch based bio-composite as an alternative for environmentally friendly packaging material. <b>2020</b> ,	7
827	Plastic pollution on the beaches of outer Ambon Bay. <b>2020</b> , 584, 012058	1
826	Exponential increase of plastic burial in mangrove sediments as a major plastic sink. <b>2020</b> , 6,	71
825	A Very Hungry Caterpillar: Polyethylene Metabolism and Lipid Homeostasis in Larvae of the Greater Wax Moth (). <b>2020</b> , 54, 14706-14715	11

824	Microplastics as novel sedimentary particles in coastal wetlands: A review. <b>2020</b> , 161, 111739	14
823	Effects of microplastics and nanoplastics on marine environment and human health. <b>2020</b> , 27, 44743-44756	41
822	Anthropogenic Contaminants and Histopathological Findings in Stranded Cetaceans in the Southeastern United States, 2012-2018. <b>2020</b> , 7,	11
821	Microplastics in Ecosystems: From Current Trends to Bio-Based Removal Strategies. <b>2020</b> , 25,	10
820	A review on degradation mechanisms of polylactic acid: Hydrolytic, photodegradative, microbial, and enzymatic degradation. <b>2020</b> , 60, 2061-2075	93
819	Enzymatic Biodegradation by Exploring the Rational Protein Engineering of the Polyethylene Terephthalate Hydrolyzing Enzyme PETase from <i>Ideonella sakaiensis</i> 201-F6. <b>2020</b> , 161-174	1
818	Occurrence, Composition, and Relationships in Marine Plastic Debris on the First Long Beach Adjacent to the Land-Based Source, South China Sea. <b>2020</b> , 8, 666	7
817	Is Awareness on Plastic Pollution Being Raised in Schools? Understanding Perceptions of Primary and Secondary School Educators. <b>2020</b> , 12, 6775	9
816	Research Status of Microplastics Pollution in Abiotic Environment in China. <b>2020</b> , 546, 032044	0
815	Microplastic and Fibre Contamination in a Remote Mountain Lake in Switzerland. <b>2020</b> , 12, 2410	15
814	Polyethylene Terephthalate Deconstruction Catalyzed by a Carbon-Supported Single-Site Molybdenum-Dioxo Complex. <b>2020</b> , 132, 20029-20033	9
813	Direkte Mikro- und Makroplastiktransportmessungen an großen und mittleren Flüssen sowie im Ablauf von Kläranlagen. <b>2020</b> , 72, 394-402	1
812	Classification and Quantification of Microplastics (. <b>2020</b> , 92, 13724-13733	37
811	Impacts of Marine Litter on Mediterranean Reef Systems: From Shallow to Deep Waters. <b>2020</b> , 7,	20
810	An Assessment of Methanotrophs Producing Industrial-Grade Lipids for Biofuels and Other Commercial Chemicals. <b>2020</b> , 13, 3887	1
809	Macroplastic Storage and Remobilization in Rivers. <b>2020</b> , 12, 2055	29
808	Becoming an island: Making connections and places through waste mobilities. <b>2020</b> , 45, 891-905	3
807	Bioavailability of Microplastics to Marine Zooplankton: Effect of Shape and Infochemicals. <b>2020</b> , 54, 12024-12033	3

806	Microplastics pollution in China water ecosystems: a review of the abundance, characteristics, fate, risk and removal. <b>2020</b> , 82, 1495-1508	6
805	Investigating Detection of Floating Plastic Litter from Space Using Sentinel-2 Imagery. <b>2020</b> , 12, 2648	30
804	Effects of MP Polyethylene Microparticles on Microbiome and Inflammatory Response of Larval Zebrafish. <b>2020</b> , 8,	11
803	Life cycle impact assessment of microplastics as one component of marine plastic debris. <b>2020</b> , 25, 2008-2026	19
802	Occurrence, Sources, Transport, and Fate of Microplastics in the Great LakesSt. Lawrence River Basin. <b>2020</b> , 15-47	4
801	Microplastics in a dam lake in Turkey: type, mesh size effect, and bacterial biofilm communities. <b>2020</b> , 27, 45688-45698	13
800	A Field Experiment on Reducing Drinking Straw Consumption by Default. <b>2020</b> , 11, 2266	3
799	Macroplastic in Seabirds at Mirny, Antarctica. <b>2020</b> , 1, 13-18	5
798	Biosynthesis of Polyhydroxyalkanoates (PHAs) by the Valorization of Biomass and Synthetic Waste. <b>2020</b> , 25,	7
797	Hints at the Applicability of Microalgae and Cyanobacteria for the Biodegradation of Plastics. <b>2020</b> , 12, 10449	8
796	Photocatalytic Degradation of Polyamide 66; Evaluating the Feasibility of Photocatalysis as a Microfibre-Targeting Technology. <b>2020</b> , 12, 3551	6
795	Reverse Logistics of End-of-Life Plastics Using Industrial IoT and LPWAN Technologies [A Proposed Solution for the Bottled Water Industry. <b>2020</b> , 51, 1680-1687	5
794	Kinetics and isotherm of cadmium adsorption onto polyethylene microbeads in artificial seawater. <b>2020</b> , 476, 012130	2
793	Developing data approaches for accumulation of plastic waste modelling using environment and socio-economic data product. <b>2020</b> , 592, 012013	1
792	Plasticizers as Microplastics Tracers in Tunisian Marine Environment. <b>2020</b> , 7,	6
791	Bacterial and fungal diversity in the gut of polystyrene-fed <i>Alphitobius diaperinus</i> (Insecta: Coleoptera). <b>2020</b> , 17-18, 200109	3
790	Influence of synthetic wastewater on entrapped air on the isotactic and atactic polypropylene microplastic surfaces. <b>2020</b> , 18, 1569-1579	1
789	Investigating the Applicability of Blockchain Technology and Ontology in Plastics Recycling by the Adoption of ZERO Plastic Model. <b>2020</b> , 2, 1	7

788	Beach orientation and exposure accumulate types of marine debris on the coast of Dullah Island, kei archipelago, Indonesia. <b>2020</b> , 517, 012015	
787	Current status of microplastics pollution in tianjin coastal waters. <b>2020</b> , 546, 032033	
786	Current State of Knowledge and Conservation Perspectives on the Cetaceans of the Aegean Sea. <b>2020</b> , 1	2
785	Norwegian Kindergarten Children's Knowledge about the Environmental Component of Sustainable Development. <b>2020</b> , 12, 8037	9
784	The Marine Plastic Litter Issue: A Social-Economic Analysis. <b>2020</b> , 12, 8677	24
783	Neurotoxic potential of polystyrene nanoplastics in primary cells originating from mouse brain. <b>2020</b> , 81, 189-196	11
782	Factors affecting polyhydroxyalkanoates biodegradation in soil. <b>2020</b> , 182, 109408	18
781	Experimental exposure to microplastics does not affect the physiology of healthy or moderately bleached <i>Anomastreaa irregularis</i> and <i>Pocillopora verrucosa</i> corals. <b>2022</b> , 169, 1	0
780	Disordered, Sub-Nanometer Ru Structures on CeO <sub>2</sub> are Highly Efficient and Selective Catalysts in Polymer Upcycling by Hydrogenolysis. 4618-4627	4
779	Earthworms' Degradable Bioplastic Diet of Polylactic Acid: Easy to Break Down and Slow to Excrete.. <b>2022</b> , 56, 5020-5028	2
778	Seasonal deposition of marine debris on an important marine turtle Nesting Beach in Costa Rica.. <b>2022</b> , 177, 113525	0
777	Deposition rates and residence time of litter varies among beaches in the Lofoten archipelago, Norway.. <b>2022</b> , 177, 113533	0
776	Marine plastics in Mediterranean islands: Evaluating the distribution and composition of plastic pollution in the surface waters along four islands of the Western Sea Basin.. <b>2022</b> , 119268	0
775	The influence of seabirds on their breeding, roosting, and nesting grounds: a systematic review and meta-analysis.. <b>2022</b> ,	0
774	An exploratory analysis of seabed litter dynamics in the SE German Bight.. <b>2022</b> , 177, 113515	
773	Distribution and environmental risk assessment of microplastics in continental shelf sediments in the southern East China Sea: A high-spatial-resolution survey.. <b>2022</b> , 177, 113548	0
772	Transport fuel from waste plastics pyrolysis [A review on technologies, challenges and opportunities. <b>2022</b> , 258, 115451	4
771	The patterns of trophic transfer of microplastic ingestion by fish in the artificial reef area and adjacent waters of Haizhou Bay.. <b>2022</b> , 177, 113565	0

770	Fishing for Litter: Creating an Economic Market for Marine Plastics in a Sustainable Fisheries Model. <b>2022</b> , 9,	0
769	Polystyrene nanoplastics demonstrate high structural stability in vivo: A comparative study with silica nanoparticles via SERS tag labeling.. <b>2022</b> , 134567	0
768	Contamination and Removal Efficiency of Microplastics and Synthetic Fibres in a Conventional Drinking Water Treatment Plant. <b>2022</b> , 4,	0
767	Leaching of microplastic-associated additives in aquatic environments: A critical review.. <b>2022</b> , 119258	0
766	Developing future visions for bio-plastics substituting PET [A backcasting approach. <b>2022</b> , 31, 370-383	2
765	First inventory of marine debris on Aleganza, an uninhabited island in the Northeast Atlantic.. <b>2022</b> , 178, 113604	0
764	Impact of plastic bags on the benthic system of a tropical estuary: An experimental study.. <b>2022</b> , 178, 113623	0
763	Beach debris quantity and composition around the world: A bibliometric and systematic review.. <b>2022</b> , 178, 113637	0
762	Airborne microplastics: A review of current perspectives and environmental implications. <b>2022</b> , 347, 131048	6
761	Micro(nano)plastics sources, fate, and effects: What we know after ten years of research. <b>2022</b> , 6, 100057	1
760	A review on microplastic emission from textile materials and its reduction techniques. <b>2022</b> , 199, 109901	5
759	Assessment of microplastics contamination on agricultural farmlands in central Bangladesh. <b>2022</b> , 5, 100195	1
758	A rapid assessment technique for coastal plastic debris sampling: Applications for remote regions and community science.. <b>2022</b> , 178, 113641	
757	Spatial distribution of macro- and micro-litter items along rocky and sandy beaches of a Marine Protected Area in the western Mediterranean Sea.. <b>2022</b> , 178, 113520	1
756	In-situ construction of particle-accumulated hydrophobic packing layer from rigid polyurethane wastes for gas pre-dehydration. <b>2022</b> , 643, 128694	0
755	A review of microplastic impacts on seagrasses, epiphytes, and associated sediment communities.. <b>2022</b> , 303, 119108	2
754	Sources and fate of atmospheric microplastics revealed from inverse and dispersion modelling: From global emissions to deposition.. <b>2022</b> , 432, 128585	1
753	Plastic leachates: Bridging the gap between a conspicuous pollution and its pernicious effects on marine life.. <b>2022</b> , 154091	2

752	The fate of missing ocean plastics: Are they just a marine environmental problem?. <b>2022</b> , 825, 153935	1
751	Recycling of full components of polyester/cotton blends catalyzed by betaine-based deep eutectic solvents. <b>2022</b> , 10, 107512	1
750	Ingestion and characterization of plastic debris by loggerhead sea turtle, <i>Caretta caretta</i> , in the Balearic Islands.. <b>2022</b> , 154159	0
749	Antidote or Trojan horse for submerged macrophytes: Role of microplastics in copper toxicity in aquatic environments.. <b>2022</b> , 216, 118354	2
748	Internalization, reduced growth, and behavioral effects following exposure to micro and nano tire particles in two estuarine indicator species.. <b>2022</b> , 133934	1
747	Microplastics in intertidal water of South Australia and the mussel <i>Mytilus</i> spp.; the contrasting effect of population on concentration.. <b>2022</b> , 831, 154875	0
746	Aging of microplastics increases their adsorption affinity towards organic contaminants.. <b>2022</b> , 298, 134238	8
745	Small-sized microplastics (2022, 304, 119121)	1
744	Polystyrene microplastics increase Pb bioaccumulation and health damage in the Chinese mitten crab <i>Eriocheir sinensis</i> .. <b>2022</b> , 829, 154586	1
743	Impact of microplastics from polyethylene and biodegradable mulch films on rice ( <i>Oryza sativa</i> L.).. <b>2022</b> , 154579	4
742	Microplastic ingestion in zooplankton from the Fram Strait in the Arctic.. <b>2022</b> , 154886	3
741	Spatial distribution of microplastics in volcanic lake water and sediments: Relationships with depth and sediment grain size.. <b>2022</b> , 829, 154659	1
740	Occurrence of macroplastic debris in the long-term plastic film-mulched agricultural soil: A case study of Northwest China.. <b>2022</b> , 831, 154881	1
739	Microplastic contamination in commercially important bivalves from the southwest coast of India.. <b>2022</b> , 305, 119250	0
738	A review of analytical methods and models used in atmospheric microplastic research.. <b>2022</b> , 154487	4
737	Review on migration, transformation and ecological impacts of microplastics in soil. <b>2022</b> , 176, 104486	2
736	Exploring the effect of adding harmful waste instead of straw in mud bricks from an environmental viewpoint. <b>2021</b> ,	
735	Tracking the Stranded Area of Marine Debris in Indonesian coasts by using Floating Drifter. <b>2021</b> , 925, 012034	0

734	Critical Evaluation of Plastic waste remediation through Microbial Degradation. <b>2021</b> ,	
733	Plastics: The good, the bad and the ugly. <b>2021</b> , 16, 170-179	
732	Assessment of the Microplastics Size Range and Ingestion Intensity by <i>Gmelinoides fasciatus</i> Stebbing, an Invasive Species of Lake Onego. <b>2021</b> ,	0
731	How to establish a sustainable sea area governance mechanism? The case of marine waste. 1-15	1
730	µCT-Based Topography Analysis of Inaccessible Surfaces Exemplified by a Biofouling-Covered Plastic. <b>2022</b> , 94, 186-193	
729	Microplastics: Small Particles, Big Threat. 9,	
728	Occurrence of microplastics in the sediments of Baseco Port area at Manila Bay, Philippines. <b>2021</b> , 958, 012009	1
727	Nanoplastics influence the perfluorooctane sulfonate (PFOS) mediated toxicity on marine mussel <i>Perna viridis</i> : Single and mixture exposure study. <b>2021</b> ,	2
726	Ban the Bag: Support for Plastic Bag Reduction Strategies in Northeast Ohio. <b>2021</b> , 174, 61-84	1
725	Transport of microplastics in the South China Sea: A review. <b>2021</b> ,	1
724	Contaminación por microplásticos en playas del Pacífico de Guatemala: abundancia y características. <b>2021</b> , 8, 260-268	
723	İnci ̇stiridyesi <i>Pinctada imbricata radiata</i> da Mikroplastik Varlığı	
722	MICROPLASTICS IN LANDFILL LEACHATES IN THREE NORDIC COUNTRIES. <b>2021</b> , 58-70	1
721	Presence and the global implications of plastics in wild commercial fish in the Alboran Sea.	
720	Untoward effects of micro- and nanoplastics: An expert review of their biological impact and epigenetic effects.. <b>2021</b> ,	0
719	Using Community Science to Address Pollution in an Urban Watershed: Lessons about Trash, Diverse Engagement, and the Need for Science Mindsets. <b>2021</b> , 174, 21-44	0
718	Microplastics in the Food Chain.. <b>2021</b> , 11,	7
717	Performance Evaluation of Plastic Concrete Modified with E-Waste Plastic as a Partial Replacement of Coarse Aggregate.. <b>2021</b> , 15,	3



716	Controlling Factors of Microplastic Riverine Flux and Implications for Reliable Monitoring Strategy.. <b>2022</b> , 56, 48-61	2
715	Minimizing Oxygen Permeability in Chitin/Cellulose Nanomaterial Coatings by Tuning Chitin Deacetylation. <b>2022</b> , 10, 124-133	2
714	Role of Microplastics as Attachment Media for the Growth of Microorganisms. <b>2022</b> , 313-325	0
713	Sustainability of Municipal Solid Waste Management Systems in Bolivian Cities: Challenges, Opportunities, Responses, and Implications for Transition Pathways. <b>2022</b> , 99-121	
712	Portable particle mass spectrometer.. <b>2022</b> ,	
711	Systematic Evaluation of Physical Parameters Affecting the Terminal Settling Velocity of Microplastic Particles in Lakes Using CFD. <b>2022</b> , 10,	0
710	İleri atksu arĖma metotlarĖnĖ mikroplastik giderim veriminin incelenmesi.	
709	Microplastics in 48 wastewater treatment plants reveal regional differences in physical characteristics and shape-dependent removal in the transition zone between North and South China.. <b>2022</b> , 155320	0
708	Microplastic occurrence in deep-sea fish species <i>Alepocephalus bairdii</i> and <i>Coryphaenoides rupestris</i> from the Porcupine Bank (North Atlantic).. <b>2022</b> , 155150	0
707	Biodegradation of petroleum based and bio-based plastics: approaches to increase the rate of biodegradation.. <b>2022</b> , 204, 258	2
706	Reducing Plastic Waste by Visualizing Marine Consequences. 001391652210901	0
705	Investigating the dispersal of macro- and microplastics on agricultural fields 30 years after sewage sludge application.. <b>2022</b> , 12, 6401	1
704	An effect factor approach for quantifying the impact of plastic additives on aquatic biota in life cycle assessment. <b>2022</b> , 27, 564	0
703	Microplastics in freshwater environment: occurrence, analysis, impact, control measures and challenges.	0
702	Effect of biofilm colonization on Pb(II) adsorption onto poly(butylene succinate) microplastic during its biodegradation.. <b>2022</b> , 155251	0
701	Ingestion and egestion of polystyrene microplastic fragments by the Pacific oyster, <i>Crassostrea gigas</i> .. <b>2022</b> , 119217	0
700	First documentation of plastic ingestion in the arctic glaucous gull ( <i>Larus hyperboreus</i> ).. <b>2022</b> , 155340	0
699	Baseline Marine Litter Surveys along Vietnam Coasts Using Citizen Science Approach. <b>2022</b> , 14, 4919	0

- 698 The effect of polyethylene microplastics on the disinfection of Escherichia coli by sodium hypochlorite.. **2022**, 155322 0
- 697 Source, fate and management of recreational fishing marine debris.. **2022**, 178, 113500 0
- 696 Seasonal Distribution, Composition, and Inventory of Plastic Debris on the Yugang Park Beach in Zhanjiang Bay, South China Sea.. **2022**, 19, 1
- 695 Enrichment of polystyrene microplastics induces histological damage, oxidative stress, Keap1-Nrf2 signaling pathway-related gene expression in loach juveniles (*Paramisgurnus dabryanus*).. **2022**, 237, 113540 1
- 694 Data\_Sheet\_1.PDF. **2020**,
- 693 Data\_Sheet\_2.PDF. **2020**,
- 692 Table\_1.docx. **2018**,
- 691 Image\_1.TIFF. **2018**,
- 690 Table\_1.pdf. **2018**,
- 689 Data\_Sheet\_1.xlsx. **2018**,
- 688 Image\_1.pdf. **2018**,
- 687 Video\_1.MP4. **2018**,
- 686 Data\_Sheet\_1.PDF. **2020**,
- 685 Table\_1.xls. **2020**,
- 684 Video\_1.mov. **2018**,
- 683 Data\_Sheet\_1.PDF. **2020**,
- 682 Table\_1.DOCX. **2020**,
- 681 Table\_1.DOCX. **2019**,

680 Image\_1.tiff. **2019**,

679 Image\_2.tiff. **2019**,

678 Image\_3.tiff. **2019**,

677 Image\_4.tiff. **2019**,

676 Table\_1.DOCX. **2019**,

675 Table\_2.DOCX. **2019**,

674 Data\_Sheet\_1.docx. **2019**,

673 Image\_1.JPEG. **2019**,

672 Video\_1.MP4. **2019**,

671 Video\_2.MP4. **2019**,

670 Data\_Sheet\_1.docx. **2019**,

669 Data\_Sheet\_2.docx. **2019**,

668 Data\_Sheet\_3.docx. **2019**,

667 Data\_Sheet\_4.docx. **2019**,

666 Data\_Sheet\_5.docx. **2019**,

665 Data\_Sheet\_1.PDF. **2020**,

664 Data\_Sheet\_1.xlsx. **2019**,

663 Data\_Sheet\_2.xlsx. **2019**,

662 Image\_1.jpg. 2020,

661 Table\_1.docx. 2020,

660 Table\_2.docx. 2020,

659 Table\_3.docx. 2020,

658 Table\_4.docx. 2020,

657 Table\_5.docx. 2020,

656 Table\_1.pdf. 2020,

655 Data\_Sheet\_1.PDF. 2020,

654 Data\_Sheet\_2.PDF. 2020,

653 Table\_1.docx. 2020,

652 Image\_1.PDF. 2020,

651 Image\_2.PDF. 2020,

650 Image\_3.PDF. 2020,

649 Image\_4.PDF. 2020,

648 Image\_5.PDF. 2020,

647 Image\_6.PDF. 2020,

646 Image\_7.PDF. 2020,

645 Image\_8.PDF. 2020,

644 Data\_Sheet\_1.docx. **2020**,

643 Table\_1.XLSX. **2019**,

642 Data\_Sheet\_1.PDF. **2018**,

641 Data\_Sheet\_2.PDF. **2018**,

640 Data\_Sheet\_3.PDF. **2018**,

639 Data\_Sheet\_4.PDF. **2018**,

638 Data\_Sheet\_5.pdf. **2018**,

637 Biofilm assemblage and activity on plastic in urban streams at a continental scale: Site characteristics are more important than substrate type.. **2022**, 155398

0

636 [Adsorption mechanism of typical monohydroxyphenanthrene on polyvinyl chloride microplastics]. **2021**, 39, 870-877

635 Plastic Waste Management: Current Overview and Future Prospects. **2022**, 471-494

634 Microbial Degradation of Conventional Polyethylene Waste: Current Status and Future Prospective. **2022**, 15-32

633 Ocean Restoration and the Strategic Plan of the Marine Microbiome. **2022**, 731-766

632 Application of two modified kaolin materials in removing micro-plastics from water. 1

0

631 Photocatalytic Conversion of Plastic Waste: From Photodegradation to Photosynthesis. 2200435

3

630 Polylactic Acid (PLA)-Based Composites in Food Packaging. **2022**, 264-281

0

629 A Review of Polylactic Acid as a Replacement Material for Single-Use Laboratory Components.. **2022**, 15,

5

628 Impact and Solution of Marine Plastic Pollution: A Review. 813-820

627 Alleviation of Tris(2-chloroethyl) Phosphate Toxicity on the Marine Rotifer by Polystyrene Microplastics: Features and Molecular Evidence.. **2022**, 23,

0

- 626 Seasonal evaluation of floating microplastics in a shallow Mediterranean coastal lagoon: Abundance, distribution, chemical composition, and influence of environmental factors. **2022**, 107859 1
- 625 A critical review of microbiological colonisation of nano- and microplastics (NMP) and their significance to the food chain.
- 624 Microbial Interactions with Particulate and Floating Pollutants in the Oceans: A Review. **2022**, 2, 257-276 1
- 623 Analysis of Plastic-Derived Fuel Oil Produced from High- and Low-Density Polyethylene. **2022**, 7, 29 1
- 622 Fate of face masks after being discarded into seawater: aging and microbial colonization. **2022**, 129084 1
- 621 Stranded pellets in Fildes Peninsula (King George Island, Antarctica): New evidence of Southern Ocean connectivity.. **2022**, 155830 0
- 620 Evidence of micro and macroplastic toxicity along a stream detrital food-chain.. **2022**, 436, 129064 0
- 619 Microalgal Biomass as Feedstock for Bacterial Production of PHA: Advances and Future Prospects. **2022**, 10, 1
- 618 Tracking synthetic microdebris contamination in a highly urbanized estuary through crabs as sentinel species: An ecological trait-based approach.. **2022**, 837, 155631 0
- 617 Standing stock and daily accumulation of beach litter in KwaZulu-Natal, South Africa. **2022**, 102421
- 616 Microplastics distribution and possible ingestion by fish in lacustrine waters (Lake Bracciano, Italy).. **2022**, 1
- 615 Resin-based composite materials: elution and pollution.. **2022**, 232, 644-652 0
- 614 Promoting pro-environmental behavior through citizen science? A case study with Chilean schoolchildren on marine plastic pollution. **2022**, 105035 1
- 613 The influence of coastal geomorphology and human activity on plastic debris distribution on a micro-tidal recreational beach on the north coast of Trinidad. **2022**, 26, 1
- 612 Farklı Ekosistemlerde Mikroplastik Kirlilik: Oluşum, Toksikite ve Riskler.
- 611 Microplastics in the environment: their sources, distribution, and dangerous status. **2022**, 233, 1 0
- 610 Crack Patterns of Environmental Plastic Fragments.. **2022**, 1
- 609 Effectiveness of microplastics removal in wastewater treatment plants: A critical analysis of wastewater treatment processes. **2022**, 107831 1

608	Mesocosm trials reveal the potential toxic risk of degrading bioplastics to marine life.. <b>2022</b> , 179, 113673	0
607	Coral reef conservation in Bali in light of international best practice, a literature review. <b>2022</b> , 67, 126190	0
606	Occurrence of microplastics in bivalve molluscs <i>Anomalocardia flexuosa</i> captured in Pernambuco, Northeast Brazil.. <b>2022</b> , 179, 113659	1
605	Ocean connectedness and consumer responses to single-use packaging. <b>2022</b> , 81, 101814	0
604	Microplastic contamination in the sediments of the Saint Martin Island, Bangladesh. <b>2022</b> , 53, 102401	1
603	Flotsam, an overlooked vector of alien dispersal from ports. <b>2022</b> , 271, 107879	1
602	Can we quantify the aquatic environmental plastic load from aquaculture?. <b>2022</b> , 219, 118551	8
601	The use of surrogate standards as a QA/QC tool for routine analysis of microplastics in sewage sludge.. <b>2022</b> , 155485	0
600	Plastic ingestion in Asian elephants in the forested landscapes of Uttarakhand, India. <b>2022</b> , 68, 126196	0
599	The use of recycling bags: An overview of collection policies and a spatial assessment of bag use. <b>2022</b> , 8, 100535	
598	Effect of fragmentation on the transport of polyvinyl chloride and low-density polyethylene in saturated quartz sand.. <b>2022</b> , 836, 155657	0
597	Different plastics ingestion preferences and efficiencies of superworm ( <i>Zophobas atratus</i> Fab.) and yellow mealworm ( <i>Tenebrio molitor</i> Linn.) associated with distinct gut microbiome changes.. <b>2022</b> , 837, 155719	4
596	First detection of microplastics in <i>Xyrichtys novacula</i> (Linnaeus 1758) digestive tract from Eivissa Island (Western Mediterranean).. <b>2022</b> , 1	1
595	Influences of material and processing conditions on the depolymerization speed of anhydride-cured epoxy during the solvent-assisted recycling. <b>2022</b> , 124964	0
594	Consumer Concern and Willingness to Pay for Plastic Alternatives in Food Service. <b>2022</b> , 14, 5992	0
593	A synthetic microplastic fiber-manufacturing method and analysis of airborne microplastic fiber transport behavior in porous media.. <b>2022</b> , 155888	
592	Nanotextiles materials suitable for respiratory tract protection but a source of nano- and microplastic particles in the environment. <b>2022</b> , 15, 44-53	0
591	Dissolution of HwbKP with [Bmim]Cl-DMF Solvent and Production of Cellulose Beads: Effect of Mixing Ratio of Solvents. <b>2022</b> , 54, 27-36	0

590	Factors driving the spatial distribution of microplastics in nearshore and offshore sediment of Lake Huron, North America.. <b>2022</b> , 179, 113709	1
589	Matching fishery-specific drivers of abandoned, lost and discarded fishing gear to relevant interventions. <b>2022</b> , 141, 105097	0
588	Microplastic properties and their interaction with hydrophobic organic contaminants: a review.. <b>2022</b> ,	0
587	Polystyrene microplastic exposure induces insulin resistance in mice via dysbacteriosis and pro-inflammation.. <b>2022</b> , 155937	0
586	Coastal Pollution: An Overview. <b>2022</b> , 155-166	0
585	Plastic pollution and beyond: do microbes hold the key towards a sustainable solution to this global crisis?. <b>2022</b> ,	0
584	Potential Risks of Microplastic Fomites to Aquatic Organisms with Special Emphasis on Polyethylene-Microplastic-Glyphosate Exposure Case in Aquacultured Shrimp. <b>2022</b> , 12, 5135	0
583	The extended avian urban phenotype: Anthropogenic solid waste pollution, nest design and fitness. <b>2022</b> , 156034	1
582	Microplastics in environment: global concern, challenges, and controlling measures.	2
581	Distribution characteristics of microplastics in surface and subsurface Antarctic seawater. <b>2022</b> , 156051	1
580	What Are Lake Beaches Made of? An Assessment of Plastic Beach Litter on the Shores of Como Bay (Italy). <b>2022</b> , 12, 5388	0
579	Acute exposure to polystyrene nanoplastics impairs skin cells and ion regulation in zebrafish embryos. <b>2022</b> , 248, 106203	1
578	Accumulation of marine litter in cold-water coral habitats: A comparative study of two Irish Special Areas of Conservation, NE Atlantic. <b>2022</b> , 180, 113764	0
577	Tracking the exposure of a pelagic seabird to marine plastic pollution. <b>2022</b> , 180, 113767	0
576	Phthalate esters (PAEs) concentration pattern reflects dietary habitats (δ13C) in blood of Mediterranean loggerhead turtles (Caretta caretta). <b>2022</b> , 239, 113619	1
575	Valorization of urban and marine PET waste by optimized chemical recycling. <b>2022</b> , 184, 106413	2
574	Current and future applications of IR and NIR spectroscopy in ecology, environmental studies, wildlife and plant investigations. <b>2022</b> , 45-76	3
573	The Role of Microplastics Size and Density on Their Vertical Turbulent Mixing and Transport. <b>2022</b> , 253-265	



572	Marine Litter, Plastic, and Microplastics on the Seafloor. <b>2022</b> , 151-197	0
571	Ingestion of Microplastics by Marine Animals. <b>2022</b> , 349-366	2
570	Plastics in the Anthropocene. <b>2022</b> , 1-42	0
569	The streaming of plastic in the Mediterranean Sea. <b>2022</b> , 13,	1
568	Transport of persistent organic pollutants: Another effect of microplastic pollution?.	0
567	Insights into plastic biodegradation: community composition and functional capabilities of the superworm ( <i>Zophobas morio</i> ) microbiome in styrofoam feeding trials.	0
566	Subacute Oral Toxicity Evaluation of Expanded-Polystyrene-Fed <i>Tenebrio molitor</i> (Yellow Mealworm) Larvae Powder in Sprague-Dawley Rats.	0
565	In Vivo Toxicity and Pharmacokinetics of Polytetrafluoroethylene Microplastics in ICR Mice. <b>2022</b> , 14, 2220	0
564	Huge quantities of microplastics are hidden in the sediment of China's largest urban lake, Tangxun Lake. <b>2022</b> , 119500	0
563	Preparation and Characterization of Antioxidant, Antimicrobial, and UV-Light Protection Film Based on Poly(vinyl alcohol) and Garlic Peel Extract.	0
562	Distinct microplastic patterns in the sediment and biota of an urban stream. <b>2022</b> , 156477	0
561	Combined proteomic and gene expression analysis to investigate reduced performance in rainbow trout ( <i>Oncorhynchus mykiss</i> ) caused by environmentally relevant microplastic exposure. <b>2022</b> , 2,	0
560	A Mechanistic Understanding of Polyethylene Biodegradation by the Marine Bacterium <i>Alcanivorax</i> . <b>2022</b> , 129278	1
559	Weathering and fragmentation of plastic debris in the ocean environment. <b>2022</b> , 180, 113761	0
558	Global qualitative and quantitative distribution of micropollutants in the deep sea. <b>2022</b> , 307, 119414	1
557	Tracking the microplastic accumulation from past to present in the freshwater ecosystems: A case study in Susurluk Basin, Turkey. <b>2022</b> , 303, 135007	0
556	First assessment of microplastic and artificial microfiber contamination in surface waters of the Amazon Continental Shelf. <b>2022</b> , 839, 156259	2
555	Occurrence, characterization, and source delineation of microplastics in the coastal waters and shelf sediments of the central east coast of India, Bay of Bengal. <b>2022</b> , 303, 135135	0

554	Environmental Impact of Polyurethane Chemistry. 393-411	2
553	Microalgae: a promising tool for plastic degradation. <b>2022</b> , 575-587	
552	The Impact of Chlorination on the Tetracycline Sorption Behavior of Microplastics in Aqueous Solution.	
551	Toxicity of nanoplastics to zooplankton is influenced by temperature, salinity, and natural particulate matter.	0
550	Chapter 4. Nanotechnology for the Remediation of Plastic Wastes. <b>2022</b> , 117-143	
549	Will it Float? Rising and Settling Velocities of Common Macroplastic Foils. <b>2022</b> , 2, 975-981	2
548	The effects of environmental information provision on plastic bag use and marine environment status in the context of the environmental levy in Greece.	0
547	Synthesized effects of medium-term exposure to seawater acidification and microplastics on the physiology and energy budget of the thick shell mussel <i>Mytilus coruscus</i> . <b>2022</b> , 119598	0
546	River-Groundwater Interaction and Recharge Effects on Microplastics Contamination of Groundwater in Confined Alluvial Aquifers. <b>2022</b> , 14, 1913	0
545	Repulsive Interactions of Eco-corona-Covered Microplastic Particles Quantitatively Follow Modeling of Polymer Brushes.	2
544	Embryotoxicity of Polystyrene Microspheres of Different Sizes to the Marine Medaka <i>Oryzias melastigma</i> (McClelland, 1839). <b>2022</b> , 14, 1831	0
543	Screening of PCDDs/Fs and DL-PCBs by AhR-CALUX bioassay in bovine milk and environment ash from India.	0
542	Ecotoxic effects of microplastics and contaminated microplastics I Emerging evidence and perspective. <b>2022</b> , 156593	1
541	Sources and Pathways of Marine Litter. <b>2022</b> , 1-27	
540	Plastics in the environment as potential threat to life: an overview.	0
539	Local waste management successfully reduces coastal plastic pollution. <b>2022</b> , 5, 666-676	0
538	Plastic Filtration and Decomposition According to Ricochet Filtering Mechanism Using <i>Ideonella sakaiensis</i> . 9,	
537	SEM/EDX analysis of stomach contents of a sea slug snacking on a polluted seafloor reveal microplastics as a component of its diet. <b>2022</b> , 12,	1

536	Effects of microplastics alone and with adsorbed benzo(a)pyrene on the gills proteome of <i>Scrobicularia plana</i> . <b>2022</b> , 156895	0
535	The Effect of Microplastics on Living Things. <b>2022</b> , 31, 94-98	
534	Ontogenetic Transfer of Microplastics in Bloodsucking Mosquitoes <i>Aedes aegypti</i> L. (Diptera: Culicidae) Is a Potential Pathway for Particle Distribution in the Environment. <b>2022</b> , 14, 1852	0
533	Benthic marine litter in the Marmara Sea, Turkey. <b>2022</b> , 39, 111-119	
532	UV Blocking and Oxygen Barrier Coatings Based on Polyvinyl Alcohol and Zinc Oxide Nanoparticles for Packaging Applications. <b>2022</b> , 12, 897	1
531	Species diversity and community structure of microalgae living on microplastics in Luoyuan Bay, China. <b>2022</b> , 180, 113809	0
530	Occurrence of persistent organic pollutants (POPs) in the atmosphere of South Korea: A review. <b>2022</b> , 307, 119586	0
529	Plastic burial by flash-flood deposits in a prodelta environment (Gulf of Patti, Southern Tyrrhenian Sea). <b>2022</b> , 181, 113819	0
528	First evidence of plastic pollution in beach sediments of the Skikda coast (northeast of Algeria). <b>2022</b> , 181, 113831	0
527	Microplastics in fishmeal: A threatening issue for sustainable aquaculture and human health. <b>2022</b> , 25, 101205	0
526	Identification of ceRNA network to explain the mechanism of cognitive dysfunctions induced by PS NPs in mice. <b>2022</b> , 241, 113785	
525	A review on microplastics and nanoplastics in the environment: Their occurrence, exposure routes, toxic studies, and potential effects on human health. <b>2022</b> , 181, 113832	2
524	Tomographic microstructural investigation of waste fishing net-reinforced high performance cementitious composites. <b>2022</b> , 56, 104829	1
523	Seasonal and spatial distribution of microplastics in sediments by FTIR imaging throughout a continuum lake - lagoon- beach from the Tunisian coast. <b>2022</b> , 838, 156519	2
522	Ingestion of plastics by terrestrial small mammals. <b>2022</b> , 842, 156679	0
521	Hydrochar and microplastics disturb soil dissolved organic matter and prominently mitigate ammonia volatilization from wheat growing soil. <b>2022</b> , 178, 104552	2
520	Comprehensive understanding the impacts of dietary exposure to polyethylene microplastics on genetically improved farmed tilapia ( <i>Oreochromis niloticus</i> ): tracking from growth, microbiota, metabolism to gene expressions. <b>2022</b> , 841, 156571	2
519	Factors Influencing the Variation of Microplastic Uptake in Demersal Fishes from the Upper Thames River Ontario.	

518	Microplastic Accelerate the Phosphorus-Related Metabolism of Bacteria to Promote the Decomposition of Methylphosphonate to Methane.	
517	Remediation of Plastic Waste Through Cohesive Approaches. <b>2022</b> , 337-363	
516	Microplastics. <b>2022</b> , 998-1007	
515	Seasonal and Spatial Variations in Microplastics Abundances in St. Andrew Bay, Florida.	
514	Does Microplastic Exposure and Sex Influence Shell Selection and Motivation in the Common European Hermit Crab, Pagurus Bernhardus?.	
513	Insights into plastic biodegradation: community composition and functional capabilities of the superworm ( <i>Zophobas morio</i> ) microbiome in styrofoam feeding trials. <b>2022</b> , 8,	0
512	Interactions between microplastics and benthic biofilms in fluvial ecosystems: knowledge gaps and future trends.	0
511	Qualitative characterisation and identification of microplastics in a freshwater dam at Gauteng Province, South Africa, using pyrolysis-gas chromatography-time of flight-mass spectrometry (Py-GC/ToFMS).	
510	Turning Food Protein Waste into Sustainable Technologies.	3
509	Editorial: Marine Pollution - Emerging Issues and Challenges. 9,	0
508	Adsorption of PAHs and PCDD/Fs in Microplastics: A Review. <b>2022</b> , 1, 346-358	0
507	Sustainable and Eco-Friendly Packaging Films Based on Poly (Vinyl Alcohol) and Glass Flakes. <b>2022</b> , 12, 701	0
506	Plastics derived from disposable greenhouse plastic films and irrigation pipes in agricultural soils: a case study from Turkey.	0
505	In situ laboratory for plastic degradation in the Red Sea. <b>2022</b> , 12,	
504	Interactive effect of urbanization and flood in modulating microplastic pollution in rivers. <b>2022</b> , 119760	1
503	Nanoplastic Toxicity: Insights and Challenges from Experimental Model Systems. 2201680	3
502	A Novel Analytical Approach to Assessing Sorption of Trace Organic Compounds into Micro- and Nanoplastic Particles. <b>2022</b> , 12, 953	1
501	Sources of micro(nano)plastics and interaction with co-existing pollutants in wastewater treatment plants. 1-21	1

500	Aqueous Aggregation and Deposition Kinetics of Fresh and Carboxyl-Modified Nanoplastics in the Presence of Divalent Heavy Metals. <b>2022</b> , 118877	0
499	Tracing Land-Based Microplastic Sources in Coastal Waters of Zhanjiang Bay, China: Spatiotemporal Pattern, Composition, and Flux. 9,	0
498	Recent global insight into mitigation of plastic pollutants, sustainable biodegradable alternatives, and recycling strategies.	0
497	Evaluating biodegradable alternatives to plastic mesh for small-scale oyster reef restoration.	
496	Macro- and Microplastics in the Antarctic Environment: Ongoing Assessment and Perspectives. <b>2022</b> , 9, 93	1
495	Experimental study of non-buoyant microplastic transport beneath breaking irregular waves on a live sediment bed. <b>2022</b> , 181, 113902	0
494	Temporal changes of plastic litter and associated encrusting biota: Evidence from Central Italy (Mediterranean Sea). <b>2022</b> , 181, 113890	0
493	Seasonal variation in microplastics and zooplankton abundances and characteristics: The ecological vulnerability of an oceanic island system. <b>2022</b> , 181, 113906	1
492	Environmentally relevant concentrations of microplastics modulated the immune response and swimming activity, and impaired the development of marine medaka <i>Oryzias melastigma</i> larvae. <b>2022</b> , 241, 113843	0
491	Seasonal heterogeneity and a link to precipitation in the release of microplastic during COVID-19 outbreak from the Greater Jakarta area to Jakarta Bay, Indonesia. <b>2022</b> , 181, 113926	1
490	Moulded pulp fibers for disposable food packaging: A state-of-the-art review. <b>2022</b> , 33, 100908	3
489	A holistic assessment of microplastic ubiquitousness: Pathway for source identification in the environment. <b>2022</b> , 33, 113-145	0
488	Increased clearance of non-biodegradable polystyrene nanoplastics by exocytosis through inhibition of retrograde intracellular transport. <b>2022</b> , 439, 129576	
487	Occurrence and distribution of microplastics in organic fertilizers in China. <b>2022</b> , 844, 157061	2
486	Potential impacts of plastic from cannabis cultivation on fish and wildlife resources. <b>2020</b> , 106,	
485	Fragmented fibre (including microplastic) pollution from textiles. <b>2021</b> , 53, 123-182	1
484	Microplastics in commercial clams from the intertidal zone of the South Yellow Sea, China. 9,	0
483	Frequent observations of novel plastic forms in the Ariho River estuary, Honshu, Japan. <b>2022</b> , 157638	0

- 482 Modeling three-dimensional transport of and impacts of biofouling in Lake Erie and Lake Ontario. **2022**, 1
- 481 Identification and quantification of common microplastics in table salts by a multi-technique-based analytical method. 0
- 480 Benthic litter in the continental slope of the Gulf of Naples (central-western Mediterranean Sea) hosts limited fouling communities but facilitates molluscan spawning. **2022**, 181, 113915 0
- 479 Trojan horse in the intestine: A review on the biotoxicity of microplastics combined environmental contaminants. **2022**, 439, 129652 1
- 478 A whale of a plastic tale: A plea for interdisciplinary studies to tackle micro- and nanoplastic pollution in the marine realm. **2022**, 846, 157187 0
- 477 Distribution and Characteristics of Microplastics in Barnacles and Wild Bivalves on the Coast of the Yellow Sea, China. 8, 0
- 476 Miniaturized near-infrared spectroscopy in current analytical chemistry: from natural products to forensics. **2022**, 141-188
- 475 Microplastics: A threat to freshwater ecosystems and urban water quality. **2022**, 273-298
- 474 Temporal trends in anthropogenic marine macro-debris and micro-debris accumulation on the California Channel Islands. 9, 0
- 473 Sustainable Biodegradable Plastics and their Applications: A Mini Review. **2022**, 1248, 012008
- 472 An In Situ Study to Understand Community Structure of Estuarine Microbes on the Plastisphere. **2022**, 10, 1543
- 471 Combating the Global Plastic Packaging Waste Problem in the Grocery Sector: A Case Study of Publix Supermarkets. **2022**, 13,
- 470 3D printing to enable the reuse of marine plastic waste with reduced environmental impacts. 1
- 469 Tidal variation shaped microplastic enrichment patterns in mangrove blue carbon ecosystem of northern Beibu Gulf, China. 9, 1
- 468 Epoxy paint from waste polycarbonate (PC).
- 467 Divergent Forms of Pyroplastic: Lessons Learned from the M/V X-Press Pearl Ship Fire. 1
- 466 PS-NPs Induced Neurotoxic Effects in SHSY-5Y Cells via Autophagy Activation and Mitochondrial Dysfunction. **2022**, 12, 952 0
- 465 Effects of micro- and nano-plastics on accumulation and toxicity of pyrene in water spinach (*Ipomoea aquatica* Forsk). 0

- 464 The removal of microplastics from water by coagulation: A comprehensive review. **2022**, 158224 3
- 463 Adsorption characteristics of antibiotics on microplastics: The effect of surface contamination with an anionic surfactant. **2022**, 136195 0
- 462 Micro-plastics in the Vicinity of an Urban Solid Waste Management Facility in India: Assessment and Policy Implications.
- 461 Physicochemical and biological ageing processes of (micro)plastics in the environment: a multi-tiered study on polyethylene. 0
- 460 Preparation method of marine microplastic model in a short degradation time.
- 459 Increased Incidence of Entanglements and Ingested Marine Debris in Dutch Seals from 2010 to 2020. **2022**, 3, 389-400
- 458 Toward a decade of ocean science for sustainable development through acoustic animal tracking. 0
- 457 Plastic contamination of sandy beaches along the southern Baltic  $\square$  one season field survey results. **2022**, 0
- 456 Sedimenting elastic filaments in turbulent flows. **2022**, 7,
- 455 Fresh-marketable tomato yields enhanced by moderate weed control and suppressed fruit dehiscence with woodchip mulching. **2022**, 12,
- 454 Polystyrene microplastics induce apoptosis in chicken testis via crosstalk between NF- $\kappa$ B and Nrf2 pathways. **2022**, 109444 1
- 453 Effects of Human Activity on Markers of Oxidative Stress in the Intestine of *Holothuria tubulosa*, with Special Reference to the Presence of Microplastics. **2022**, 23, 9018 1
- 452 Riverine macroplastic gradient along watercourses: A global overview. 10, 3
- 451 Health risk analysis of microplastics in soil in the 21st century: A scientometrics review. 10, 0
- 450 Polystyrene microplastics induced oxidative stress, inflammation and necroptosis via NF- $\kappa$ B and RIP1/RIP3/MLKL pathway in chicken kidney. **2022**, 478, 153296 0
- 449 Amazing Fungi for Eco-Friendly Composite Materials: A Comprehensive Review. **2022**, 8, 842 3
- 448 Exposure of gametes to aged nano-sized plastic particles during fertilization can influence early larval development in the European whitefish (*Coregonus lavaretus*). **2022**, 250, 106264
- 447 Influence of windward versus leeward settings on microplastic distribution in beach sediments of Kish Island, Gulf region. **2022**, 55, 102585

- 446 Temporal trends and spatial distribution of research topics in anthropogenic marine debris study: Topic modelling using latent Dirichlet allocation. **2022**, 182, 113917 1
- 445 Metabolism deficiency and oxidative stress induced by plastic particles in the rotifer *Brachionus plicatilis*: Common and distinct phenotypic and transcriptomic responses to nano- and microplastics. **2022**, 182, 113981 1
- 444 Plastic debris forms: Rock analogues emerging from marine pollution. **2022**, 182, 114031 0
- 443 Spatio-temporal variation and seasonal dynamics of stranded beach anthropogenic debris on Indonesian beach from the results of nationwide monitoring. **2022**, 182, 114035 0
- 442 Sources and distribution of microplastics in the east China sea under a three-dimensional numerical modelling. **2022**, 311, 119910 0
- 441 Deploying deep learning to estimate the abundance of marine debris from video footage. **2022**, 183, 114049 0
- 440 Characteristics and the potential impact factors of microplastics in wastewater originated from different human activity. **2022**, 166, 78-85 0
- 439 Spatio-temporal patterns of occurrence of microplastics in the freshwater fish *Gambusia affinis* from the Brantas River, Indonesia. **2022**, 311, 119958 0
- 438 Ecotoxicological effects of plastics on plants, soil fauna and microorganisms: A meta-analysis. **2022**, 310, 119892 0
- 437 The relative effects of interspecific and intraspecific diversity on microplastic trapping in coastal biogenic habitats. **2022**, 848, 157771 0
- 436 The impact of chlorination on the tetracycline sorption behavior of microplastics in aqueous solution. **2022**, 849, 157800 1
- 435 Microplastic in oysters: A review of global trends and comparison to southern Australia. **2022**, 307, 136065 0
- 434 Plastic invasion tolling: First evaluation of microplastics in water and two crab species from the nature reserve lagoony complex of Kune-Vain, Albania. **2022**, 849, 157799 0
- 433 LDPE microplastics affect soil microbial community and form a unique plastisphere on microplastics. **2022**, 180, 104623 1
- 432 Presence and implications of plastics in wild commercial fishes in the Alboran Sea (Mediterranean Sea). **2022**, 850, 158025 0
- 431 Assessing Microplastic Prevalence and Dispersion from Saigon Urban Canals via Can Gio Mangrove Reserve to East Sea by Raman Scattering Microscopy. **2022**, 1, 536-553 0
- 430 Gender difference in hepatic AMPK pathway activated lipid metabolism induced by aged polystyrene microplastics exposure. **2022**, 245, 114105 0
- 429 The coastal tourism industry in the Mediterranean: A critical review of the socio-economic and environmental pressures & impacts. **2022**, 44, 101007 0



- 428 Microplastics as potential carriers of viruses could prolong virus survival and infectivity. **2022**, 225, 119115 ○
- 427 A numerical framework for modeling fate and transport of microplastics in inland and coastal waters. **2022**, 184, 114119 ○
- 426 Litter on the seafloor along the African coast and in the Bay of Bengal based on trawl bycatches from 2011 to 2020. **2022**, 184, 114094 ○
- 425 Factors influencing the variation of microplastic uptake in demersal fishes from the upper Thames River Ontario. **2022**, 313, 120095 ○
- 424 Occurrence and sources of microplastics and polycyclic aromatic hydrocarbons in surface sediments of Svalbard, Arctic. **2022**, 184, 114116 ○
- 423 The contribution of estuaries to the abundance of microplastics in Jakarta Bay, Indonesia. **2022**, 184, 114117 ○
- 422 The effect of microplastics on the interspecific competition of *Daphnia*. **2022**, 313, 120121 ○
- 421 Influence of contaminant-spiked polyethylene-type microplastics on the growth and primary production of the freshwater phytoplankton species *Scenedesmus armatus* and *Microcystis aeruginosa*. **2022**, 203, 105061 ○
- 420 Microplastics in ASEAN region countries: A review on current status and perspectives. **2022**, 184, 114118 ○
- 419 Towards a circular economy for the plastic packaging sector: Insights from the Italian case. **2022**, 34, 78-89 ○
- 418 Spatio-temporal variation of plastic pellets dispersion in the coastline of Sri Lanka: An assessment of pellets originated from the X-Press Pearl incident during the Southwest monsoon in 2021. **2022**, 184, 114145 ○
- 417 Microplastic contamination and risk assessment in blue shark (*Prionace glauca*) from the eastern tropical Pacific Ocean. **2022**, 184, 114138 ○
- 416 Degradation-fragmentation of marine plastic waste and their environmental implications: A critical review. **2022**, 15, 104262 2
- 415 Probiotics ameliorate polyethylene microplastics-induced liver injury by inhibition of oxidative stress in Nile tilapia (*Oreochromis niloticus*). **2022**, 130, 261-272 ○
- 414 Long-term impacts of polyethylene terephthalate (PET) microplastics in membrane bioreactor. **2022**, 323, 116234 ○
- 413 Hydrothermal deconstruction of single-use personal protective equipment during the COVID-19 pandemic. **2022**, 153, 178-187 ○
- 412 The influence of Pb(II) adsorption on (Non) biodegradable microplastics by UV/O<sub>3</sub> oxidation treatment. **2022**, 10, 108615 ○
- 411 Seasonal and spatial variations in microplastics abundances in St. Andrew Bay, Florida. **2022**, 852, 158422 ○

410	Biodegradation of polyethylene by <i>Meyerozyma guilliermondii</i> and <i>Serratia marcescens</i> isolated from the gut of waxworms (larvae of <i>Plodia interpunctella</i> ). <b>2022</b> , 853, 158604	1
409	Constructing a fine dispersion and chemical interface based on an electrostatic self-assembly and aqueous phase compound in GO/SiO <sub>2</sub> /SBR composites to achieve high-wear resistance in eco-friendly green tires. <b>2023</b> , 452, 139113	1
408	Nano- and microplastics as carriers for antibiotics and antibiotic resistance genes. <b>2023</b> , 361-385	1
407	Does microplastic exposure and sex influence shell selection and motivation in the common European hermit crab, <i>Pagurus bernhardus</i> ?. <b>2023</b> , 855, 158576	2
406	Investigation of the Mechanical Properties of M40-Grade Concrete with PCB Fiber from Recycled Electronic Waste. <b>2023</b> , 27,	0
405	Microplastics (MPs) and nanoplastics (NPs): Introduction. <b>2023</b> , 1-32	0
404	Occurrence of MPs and NPs in freshwater environment. <b>2023</b> , 125-150	0
403	Water-stable, strong, biodegradable lignocellulose straws replacement for plastic straws. <b>2023</b> , 451, 138970	1
402	Bio fillers for biocomposites. <b>2022</b> , 121-140	0
401	Welche Folgen kann Plastik in der Umwelt haben?. <b>2022</b> , 43-59	0
400	From City to Sea: Spatiotemporal Dynamics of Floating Macrolitter in the Tiber River.	0
399	Environmental Toxicity, Health Hazards, and Bioremediation Strategies for Removal of Microplastics from Wastewater. <b>2022</b> , 149-186	0
398	Human health effects of airborne microplastics. <b>2022</b> ,	0
397	Is the Paraíba do Sul River colourful? Prevalence of microplastics in freshwater, south-eastern Brazil. <b>2022</b> ,	0
396	Transport Pathways. <b>2022</b> , 25-30	0
395	Prevalence of Microplastics in the Gastrointestinal Tracts of Dabbling and Ground Foraging Waterfowl in the Midwest Prairie Pothole Region.	0
394	Announcing the Minderoo Monaco Commission on Plastics and Human Health. <b>2022</b> , 88,	1
393	Indian Avian Diversity: Status, Challenges, and Solutions. <b>2022</b> , 175-190	0

- 392 Environmental Risk Assessment of Plastics and Its Additives. **2022**, 1-26 ○
- 391 Microplastics in aquatic systems, a comprehensive review: origination, accumulation, impact, and removal technologies. **2022**, 12, 28318-28340 2
- 390 Action Program and Socialization of Plastic Waste Hazards for Health and Environment in Tanjung Kramat, Gorontalo. **2022**, 3, 52-58 ○
- 389 Occurrence and distribution of microplastics in coastal plain soils under three land-use types. **2023**, 855, 159023 ○
- 388 Aging of poly (lactic acid)/poly (butylene adipate-co-terephthalate) blends under different conditions: Environmental concerns on biodegradable plastic. **2023**, 855, 158921 ○
- 387 Occupational Exposure to Dust and the Relationship with the Respiratory Symptoms, Lung Function among Construction Workers of the University of Malaysia Sabah. **2022**, 10, 1390-1396 ○
- 386 Exploration of Bioplastics: A Review. **2022**, 38, 840-854 ○
- 385 Nanoplastic occurrence, transformation and toxicity: a review. ○
- 384 Past, Present, and Possible Future Policies on Plastic Use in the USA, Particularly Microplastics and Nanoplastics: A Review. ○
- 383 Polystyrene nanoplastic exposure enhances LPS-induced lung inflammation in mice by inducing M1 polarization of macrophages via ROS/JAK/STAT signaling pathway. ○
- 382 Properties and Recyclability of Abandoned Fishing Net-Based Plastic Debris. **2022**, 12, 948 ○
- 381 Extending the Operating Life of Thermoplastic Components via On-Demand Patching and Repair Using Fused Filament Fabrication. **2022**, 6, 103 ○
- 380 Microplastics profile in fishes from selected burrow pits: a case of plastic pollution in Kano metropolis, Nigeria. 1-11 ○
- 379 Insights into the characteristics, adsorption and desorption behaviors of microplastics aged with or without fulvic acid. ○
- 378 Year-Long Microbial Succession on Microplastics in Wastewater: Chaotic Dynamics Outweigh Preferential Growth. **2022**, 10, 1775 ○
- 377 Biotechnology for the Management of Plastics and Microplastics. **2022**, 396-411 ○
- 376 An overview of microplastic research in marine and freshwater habitats using topic modeling. ○
- 375 Distribution patterns of microplastics in subtidal sediments from the Sado river estuary and the ArrBida marine park, Portugal. 10, ○

374	Microplastics in Marine Nearshore Surface Waters of Dar es Salaam and Zanzibar, East Africa.	0
373	A comparative cradle-to-grave life cycle assessment of single-use plastic shopping bags and various alternatives available in South Africa.	0
372	Effects of spatially heterogeneous lakeside development on nearshore biotic communities in a large, deep, oligotrophic lake.	0
371	Micro- and Nanoplastics Effects on Protein Folding and Amyloidosis. <b>2022</b> , 23, 10329	1
370	Acidic hydrolysis of recycled polyethylene terephthalate plastic for the production of its monomer terephthalic acid. 147776062211280	0
369	Differentiation of Plastics by Combining Raman Spectroscopy and Machine Learning. <b>2022</b> , 89, 790-798	0
368	Physical and biomimetic treatment methods to reduce microplastic waste accumulation.	1
367	Modeling drift and fate of microplastics in the Baltic Sea. 9,	0
366	Abiotic aging assisted bio-oxidation and degradation of LLDPE/LDPE packaging polyethylene film by stimulated enrichment culture. <b>2022</b> , 110156	0
365	Material and Environmental Properties of Natural Polymers and Their Composites for Packaging Applications A Review. <b>2022</b> , 14, 4033	1
364	Evaluating the collection and composition of plastic waste in the digital waste bank and the reduction of potential leakage into the ocean. 0734242X2211234	0
363	Analytical methods for microplastics in the environment: a review.	0
362	Polyvinyl chloride degradation by a bacterium isolated from the gut of insect larvae. <b>2022</b> , 13,	4
361	Marine litter in submarine canyons: A systematic review and critical synthesis. 9,	0
360	Degradation and fragmentation behavior of polypropylene and polystyrene in water..	0
359	Exposure to Environmentally Relevant Concentrations of Polystyrene Microplastics Increases Hexavalent Chromium Toxicity in Aquatic Animals. <b>2022</b> , 10, 563	1
358	Blockchain technology and AI -facilitated polymers recycling: Utilization, realities, and sustainability.	0
357	No Plastic, No Pollution: Replacement of Plastics in the Equipments of Personal Protection. <b>2022</b> , 229-242	0

- 356 Insights into the Titania (TiO<sub>2</sub>) Photocatalysis on the Removal of Phthalic Acid Esters (PAEs) in Water. **2022**, 17, 608-626 ○
- 355 Effects of solution chemistry and humic acid on transport and deposition of aged microplastics in unsaturated porous media. **2022**, 136658 ○
- 354 Uptake of microplastics by marine worms depends on feeding mode and particle shape but not exposure time. **2022**, 159287 ○
- 353 Acute exposure to microplastics induces metabolic disturbances and gut dysbiosis in adult zebrafish (*Danio rerio*). **2022**, 245, 114125 1
- 352 A critical review of microplastic degradation and material flow analysis towards a circular economy. **2022**, 120334 ○
- 351 Environmental risk, toxicity, and biodegradation of polyethylene: a review. 1
- 350 Evaluating the performance of the Beabin™ fixed point mechanical litter removal device for sheltered waters. **2022**, 184, 114199 ○
- 349 Entrainment and vertical mixing of aquatic microplastics in turbulent flow: The coupled role of particle size and density. **2022**, 184, 114160 ○
- 348 An inevitable but underestimated photoaging behavior of plastic waste in the aquatic environment: Critical role of nitrate. **2022**, 314, 120307 ○
- 347 Microplastics in sewage sludge destined to anaerobic digestion: The potential role of thermal pretreatment. **2022**, 309, 136669 1
- 346 Biodegradability under marine conditions of bio-based and petroleum-based polymers as substitutes of conventional microparticles. **2022**, 206, 110159 ○
- 345 Coastal Pollution. **2022**, 251-286 ○
- 344 The Mediterranean Monk Seal (*Monachus monachus*) in the Aegean Sea. The Living Myth of the Sirens **2022**, ○
- 343 A strategy to enhance recyclability of degradable block copolymers by introducing low-temperature formability. ○
- 342 The Problem of Plastic in the Arctic. **2022**, 3-17 ○
- 341 Marine Litter, Plastics and Microplastics in the Aegean Archipelago: Current Knowledge and Priorities for the Future. **2022**, ○
- 340 Legal Implications of Nanobiosensors Concerning Environmental Monitoring. **2022**, 439-458 ○
- 339 Effect of microplastics on nasal and intestinal microbiota of the high-exposure population. 10, 1

338	Interactions Between Soil Physical Fractions and Microplastics [An Attenuated Total Reflectance-Mid Infrared and Chemometrics Study. <b>2022</b> , 104422	0
337	Evaluating the Presence of Marine Litter in Cetaceans Stranded in the Balearic Islands (Western Mediterranean Sea). <b>2022</b> , 11, 1468	1
336	Interactions of Ingested Polystyrene Microplastics with Heavy Metals (Cadmium or Silver) as Environmental Pollutants: A Comprehensive In Vivo Study Using <i>Drosophila melanogaster</i> . <b>2022</b> , 11, 1470	2
335	Quantifying Spatial and Temporal Trends of Microplastic Pollution in Surface Water and in the Eastern Oyster <i>Crassostrea virginica</i> for a Dynamic Florida Estuary. <b>2022</b> , 9, 131	0
334	Can Microplastic Pollution Change Soil-Water Dynamics? Results from Controlled Laboratory Experiments. <b>2022</b> , 14, 3430	0
333	Interface Design of a Mobile Application Oriented to Packaging Sustainability. <b>2023</b> , 177-190	0
332	Combined Effects of Polystyrene Nanoplastics and Enrofloxacin on the Life Histories and Gut Microbiota of <i>Daphnia magna</i> . <b>2022</b> , 14, 3403	0
331	Potential human health risk assessment of microplastic exposure: current scenario and future perspectives. <b>2022</b> , 194,	0
330	Baseline study on microplastics distribution, polymer composition, size, and shape in the Korean Southwest Sea.	0
329	Current status and trends of research on microplastic fugacity characteristics and pollution levels in mangrove wetlands. 10,	0
328	Are the diets of sympatric Pygoscelid penguins more similar than previously thought?. <b>2022</b> , 45, 1559-1569	0
327	Evaluation of Neurotoxicity in BALB/c Mice following Chronic Exposure to Polystyrene Microplastics. <b>2022</b> , 130,	1
326	Business for ocean sustainability: Early responses of ocean governance in the private sector.	1
325	Microplastics characteristics of <i>lorjuk Solen</i> sp. in east coastal waters of Surabaya. <b>2022</b> , 1095, 012034	0
324	Local order parameter that distinguishes crystalline and amorphous portions in polymer crystal lamellae.	0
323	Microplastics in the Marine Environment: A Review of Their Sources, Formation, Fate, and Ecotoxicological Impact.	1
322	Underestimated and ignored? The impacts of microplastic on soil invertebrates[Current scientific knowledge and research needs. 10,	0
321	Abundance, characteristics, and spatial[temporal distribution of microplastics in sea salts along the Cox[ Bazar coastal area, Bangladesh.	0

320	Spatial and seasonal distribution of microplastic in surface water of Bueng Boraphet Wetland Ramsar wetland in Thailand. <b>2022</b> , 194,	0
319	Climbing perch <i>Anabas testudineus</i> avoid expanded polystyrene pellets ingestion.	0
318	Exposure to Polymethylmethacrylate Microplastics Induces a Particle Size-Dependent Immune Response in Mediterranean Mussel <i>Mytilus galloprovincialis</i> . <b>2022</b> , 7, 307	0
317	Nanoplastics as an Invisible Threat to Humans and the Environment. <b>2022</b> , 2022, 1-15	1
316	Anthropogenic microparticles in the emerald rockcod <i>Trematomus bernacchii</i> (Nototheniidae) from the Antarctic. <b>2022</b> , 12,	0
315	Plastic leachates impair picophytoplankton and dramatically reshape the marine microbiome. <b>2022</b> , 10,	0
314	Effect of Chemical Agents on the Morphology and Chemical Structures of Microplastics. <b>2022</b> , 14, 4353	0
313	Abundance and composition of marine litter on the coasts of the Dardanelles (Canakkale Strait, Turkey). <b>2023</b> , 195,	0
312	High-Throughput Screening for Thermostable Polyester Hydrolases. <b>2023</b> , 153-165	0
311	From inshore to offshore: distribution of microplastics in three Italian seawaters.	2
310	Effects of plastic fragments on plant performance are mediated by soil properties and drought. <b>2022</b> , 12,	0
309	Microplastics in human food chains: Food becoming a threat to health safety. <b>2022</b> , 159834	1
308	Neurotoxic effects of different sizes of plastics (nano, micro, and macro) on juvenile common carp ( <i>Cyprinus carpio</i> ). 15,	0
307	Early stage biofilm formation on bio-based microplastics in a freshwater reservoir. <b>2022</b> , 159569	0
306	Detection of Microplastics by Various Types of Whiteleg Shrimp ( <i>Litopenaeus vannamei</i> ) in the Korean Sea. <b>2022</b> , 9, 332	0
305	Degradation and fragmentation behavior of polypropylene and polystyrene in water. <b>2022</b> , 12,	0
304	Microplastics: A potential threat to groundwater resources. <b>2022</b> , 19, 100852	0
303	Determining the Properties that Govern Selective Ingestion and Egestion of Microplastics by the Blue Mussel ( <i>Mytilus edulis</i> ) and Eastern Oyster ( <i>Crassostrea virginica</i> ).	0

- 302 Microplastic Accumulation in Crayfish *Astacus leptodactylus* (Eschscholtz 1823) and Sediments of Durusu (Terkos) Lake (Turkey). **2022**, 233, 0
- 301 Marine Bacteria Associated with Colonization and Alteration of Plastic Polymers. **2022**, 12, 11093 0
- 300 Risk assessment of microplastic pollution in urban lakes and peripheral Rivers of Dhaka, Bangladesh. **2022**, 8, 100187 0
- 299 Recycled Polyethylene Terephthalate Fibers Aerogels Modified with Graphene Oxide for Adsorption of Methylene Blue and Coated with Polydimethylsiloxane Tetraethyl Orthosilicate for Oil Removal. 0
- 298 Time-course distribution of fluorescent microplastics in target tissues of mussels and polychaetes. **2022**, 137087 0
- 297 Magnetic effervescent tablets containing deep eutectic solvent as a green microextraction for removal of polystyrene nanoplastics from water. **2022**, 188, 736-745 0
- 296 Microplastics distribution in sediment and mussels along the British Columbia Coast, Canada. **2022**, 185, 114273 0
- 295 Toxicity of nanomixtures to human macrophages: Joint action of silver and polystyrene nanoparticles. **2022**, 368, 110225 0
- 294 Unravelling macroplastic pollution in seagrass beds of Iligan City, Mindanao, Philippines. **2022**, 185, 114233 0
- 293 Diet and debris ingestion of skuas on Fildes Peninsula, King George Island, Antarctica. **2022**, 185, 114211 0
- 292 Irrigation-facilitated low-density polyethylene microplastic vertical transport along soil profile: An empirical model developed by column experiment. **2022**, 247, 114232 2
- 291 Abundance, composition and sources of beach litter on the Cape Verdean island Sã Vicente. **2022**, 185, 114258 0
- 290 Beach litter contamination of the Turkish middle Black Sea coasts: Spatial and temporal variation, composition, and possible sources. **2022**, 185, 114248 0
- 289 The occurrence, speciation, and ecological effect of plastic pollution in the bay ecosystems. **2023**, 857, 159601 0
- 288 Microplastics are transferred by soil fauna and regulate soil function as material carriers. **2023**, 857, 159690 0
- 287 Examining the release of synthetic microfibrils to the environment via two major pathways: Atmospheric deposition and treated wastewater effluent. **2023**, 857, 159317 1
- 286 A novel approach to extract, purify, and fractionate microplastics from environmental matrices by isopycnic ultracentrifugation. **2023**, 857, 159610 0
- 285 From city to sea: Spatiotemporal dynamics of floating macrolitter in the Tiber River. **2023**, 857, 159713 1



284	Microplastic materials in the environment: Problem and strategical solutions. <b>2023</b> , 132, 101035	2
283	Chapter 15. Dosimetry and Imaging of Micro and Nanoparticles by Means of High Resolution Techniques. <b>2022</b> , 363-388	0
282	Leaching of di-2-ethylhexyl phthalate from biodegradable and conventional microplastics and the potential risks. <b>2023</b> , 311, 137208	0
281	Microplastic accelerate the phosphorus-related metabolism of bacteria to promote the decomposition of methylphosphonate to methane. <b>2023</b> , 858, 160020	0
280	Microplastic dynamics in a free water surface constructed wetland. <b>2023</b> , 858, 160113	2
279	Microplastics in different fish and shellfish species in the mangrove estuary of Bangladesh and evaluation of human exposure. <b>2023</b> , 858, 159754	0
278	Marine environmental monitoring with unmanned vehicle platforms: Present applications and future prospects. <b>2023</b> , 858, 159741	1
277	Microplastics in urban catchments: Review of sources, pathways, and entry into stormwater. <b>2023</b> , 858, 159781	0
276	Microplastics reduce nitrogen uptake in peanut plants by damaging root cells and impairing soil nitrogen cycling. <b>2023</b> , 443, 130384	2
275	PLEESE - Plastic Reuse Reminder System using Computer Vision Deep Learning. <b>2022</b> ,	0
274	Örne Sularıve Gđalarda Mikroplastikler.	0
273	Selection of microorganisms capable of polyethylene (PE) and polypropylene (PP) degradation. <b>2022</b> , 127251	0
272	Microplastics in commercial seafood: Pleoticus muelleri as a case study in an estuarine environment highly affected by human pressure (Southwestern Atlantic).. <b>2022</b> , 114738	1
271	Research Progress of Microplastic Pollution in the Vadose Zone. <b>2022</b> , 14, 3586	0
270	Human health risk and food safety implications of microplastic consumption by fish from coastal waters of the eastern equatorial Atlantic Ocean. <b>2022</b> , 109503	1
269	Plastic ingestion by fishing cats suggests trophic transfer in urban wetlands. <b>2022</b> , 120694	0
268	Microplastic in Sediments and Ingestion Rates in Three Edible Bivalve Mollusc Species in a Southern Philippine Estuary. <b>2022</b> , 233,	0
267	Taking the Next Step Model-Based Analysis of Robust and Non-Toxic Zn Catalysts for the Ring Opening Polymerization of Lactide in the Polymer Melt. 2200359	0

- 266 Land cover type modulates the distribution of litter in a Nordic cultural landscape. **2022**, 17, e0275463 ○
- 265 Characterizing microplastic ingestion, transformation, and excretion in insects using fluorescent plastics. ○
- 264 Pathways and Hot Spots of Floating and Submerged Microplastics in Atlantic Iberian Marine Waters: A Modelling Approach. **2022**, 10, 1640 ○
- 263 Assessment of microplastic as contaminants in the coal mine area of an industrial region, Barapukuria, Bangladesh. **2022**, e11666 1
- 262 Resolving natural organic matter and nanoplastics in binary or ternary systems via UV-Vis analysis. **2022**, ○
- 261 Plastic burdens in northern fulmars from Svalbard: Looking back 25 years. **2022**, 185, 114333 ○
- 260 Seasonal change of microplastics uptake in the Pacific oysters *Crassostrea gigas* cultured in the Yellow Sea and Bohai Sea, China. **2022**, 185, 114341 ○
- 259 Plastic debris decrease fish feeding pressure on tropical reefs. **2022**, 185, 114330 ○
- 258 Transport of micron-sized polyethylene particles in confined aquifer: Effects of size, ageing, and confining pressure. ○
- 257 Cellulose Textiles from Hemp Biomass: Opportunities and Challenges. **2022**, 14, 15337 1
- 256 Spatial and temporal variability of microplastic abundance in estuarine intertidal sediments: Implications for sampling frequency. **2022**, 160308 ○
- 255 Microplastics in water surface and in the gastrointestinal tract of target marine organisms in Salento coastal seas (Italy, Southern Puglia). **2022**, 120702 1
- 254 Sources and management of marine litter pollution along the Bay of Bengal coast of Bangladesh. **2022**, 185, 114362 ○
- 253 In situ degradation of low-density polyethylene film in irrigation maize field: Thickness-dependent effect. **2023**, 858, 159999 ○
- 252 Particulate plastics in drinking water and potential human health effects: Current knowledge for management of freshwater plastic materials in Africa. **2023**, 316, 120714 ○
- 251 Micro plastic contaminant in marine environment in Chennai coast. **2022**, ○
- 250 Polystyrene nanoplastics promote the apoptosis in Caco-2 cells induced by okadaic acid more than microplastics. **2023**, 249, 114375 ○
- 249 Marine debris ingestion by odontocete species from the Southwest Atlantic Ocean: Absence also matter. **2023**, 186, 114486 ○

248	Abundance and distribution of mesoplastics in the sediment of the southern coast of the Caspian Sea. <b>2023</b> , 57, 102767	0
247	Polymer and its effect on environment. <b>2023</b> , 100, 100821	1
246	Marine litter on the beaches of the Kanyakumari, Southern India: An assessment of their abundance and pollution indices. <b>2023</b> , 186, 114443	0
245	New insights into adsorption mechanism of pristine and weathered polyamide microplastics towards hydrophilic organic compounds. <b>2023</b> , 317, 120818	1
244	Time-dependent immune injury induced by short-term exposure to nanoplastics in the <i>Sepia esculenta</i> larvae. <b>2023</b> , 132, 108477	0
243	Evaluation of plastic packaging waste degradation in seawater and simulated solar radiation by spectroscopic techniques. <b>2023</b> , 207, 110215	2
242	Assessing and managing environmental hazards of polymers: historical development, science advances and policy options.	0
241	Eye in the sky—Off-the-shelf unmanned aerial vehicle (UAV) highlights exposure of marine turtles to floating litter (FML) in nearshore waters of Mayo Bay, Philippines. <b>2023</b> , 186, 114489	0
240	High incidence of plastic debris in Andean condors from remote areas: Evidence for marine-terrestrial trophic transfer. <b>2023</b> , 317, 120742	2
239	Responses of microRNA in digestive glands of mussel <i>Mytilus galloprovincialis</i> exposed to polystyrene nanoplastics. <b>2023</b> , 249, 114412	0
238	The relative size of microalgal cells and microplastics determines the toxicity of microplastics to microalgae. <b>2023</b> , 169, 860-868	0
237	Fate and effects of microplastics in combination with pharmaceuticals and endocrine disruptors in freshwaters: Insights from a microcosm experiment. <b>2023</b> , 859, 160387	0
236	Plastic waste reprocessing for circular economy: A systematic scoping review of risks to occupational and public health from legacy substances and extrusion. <b>2023</b> , 859, 160385	0
235	Sustainable application of biodegradable materials for thermal shield in electronic devices. <b>2023</b> , 288, 116197	0
234	Nano- and microplastics: a comprehensive review on their exposure routes, translocation, and fate in humans. <b>2023</b> , 29, 100441	0
233	Effect of low-density polyethylene, polyvinyl chloride, and high-density polyethylene micro-plastic contamination on the index and engineering properties of clayey soil- an experimental study. <b>2023</b> , 218, 115016	0
232	A comprehensive review on the production of alternative fuel through medical plastic waste. <b>2023</b> , 55, 102924	0
231	Microplastic contamination in commercial fish species in southern coastal region of India. <b>2023</b> , 313, 137486	0

- 230 Abundance, spatial distribution, and characteristics of microplastics in agricultural soils and their relationship with contributing factors. **2023**, 328, 117006 ○
- 229 Microplastic accumulation in *Halophila ovalis* beds in the Swan-Canning Estuary, Western Australia. **2023**, 187, 114480 ○
- 228 Integrated effects of residual plastic films on soil-rhizosphere microbe-plant ecosystem. **2023**, 445, 130420 ○
- 227 Masses and size distributions of mechanically fragmented microplastics from LDPE and EPS under simulated landfill conditions. **2023**, 445, 130542 ○
- 226 Comparison of two procedures for microplastics analysis in sediments based on an interlaboratory exercise. **2023**, 313, 137479 ○
- 225 Farmers' attitudes towards agricultural plastics [Management and disposal, awareness and perceptions of the environmental impacts. **2023**, 864, 160955 ○
- 224 Aquatic plants entrap different size of plastics in indoor flume experiments. **2023**, 863, 161051 ○
- 223 Experimental investigation on strength properties of concrete with metal slag and plastic granules. **2022**, ○
- 222 The potential usage of fishing net line waste for fabrication of electrospun nylon 6,6 nanofiber membrane. **2022**, ○
- 221 Microbial Degradation of Plastics. **2022**, 1-8 ○
- 220 Marine Trash Collection: A Multi-Agent, Multi-Target Search. **2022**, ○
- 219 Plastic pollution can affect the emergence patterns of the loggerhead turtle hatchlings. ○
- 218 Microplastics in the Inshore and Offshore Surface Water in the Andaman Sea. **2022**, 233, ○
- 217 Effects of Plastic Ingestion on Blood Chemistry, Gene Expression and Body Condition in Wedge-Tailed Shearwaters (*Ardenna Pacifica*). ○
- 216 Marine Solid Pollution From Macroplastics to Nanoplastics. **2023**, 63-110 ○
- 215 The Impact of Marine Litter on Production Risk and Technical Efficiency in the Trawl Fisheries of Vietnam. 000-000 ○
- 214 Geomorphological and hydro-oceanographic analysis related to the characteristics of marine debris on the south coast of Yogyakarta, Indonesia. ○
- 213 Gross Negligence: Impacts of Microplastics and Plastic Leachates on Phytoplankton Community and Ecosystem Dynamics. ○

212	Characteristics and patterns of marine debris in the Chinese beach-sea continuum. 9,	0
211	Polyethylene (PE) Waste Minimization Study of Cement Mortar with Adding PE Content under Different W/B Ratios. <b>2022</b> , 12, 2117	0
210	A sustainable approach on thermal and catalytic conversion of waste plastics into fuels. <b>2022</b> , 126977	0
209	Understanding the Interplay between Antimicrobial Resistance, Microplastics and Xenobiotic Contaminants: A Leap towards One Health?. <b>2023</b> , 20, 42	0
208	Photoassisted Radical Depolymerization. <b>2022</b> , 11, 1390-1395	3
207	A Blue Future: developing a national marine litter action plan in SIDS Lessons learnt in Belize.	0
206	Polyurethane biodegradation by <i>Serratia</i> sp. HY-72 isolated from the intestine of the Asian mantis <i>Hierodula patellifera</i> . 13,	0
205	The more synthetic polymer types pollute the soil, the stronger the growth suppression of invasive alien and native plants.	0
204	Effect of Adding Waste Polyethylene and GGBFS on the Engineering Properties of Cement Mortar. <b>2022</b> , 12, 12665	1
203	Identification and quantification of potential microplastics in shellfish harvested in Sardinia (Italy) by using transillumination stereomicroscopy. <b>2022</b> , 11,	0
202	Potential of sediment bacterial communities from Manila Bay (Philippines) to degrade low-density polyethylene (LDPE). <b>2023</b> , 205,	0
201	Assessment of Microplastics in Green Mussel ( <i>Perna viridis</i> ) and Surrounding Environments around Sri Racha Bay, Thailand. <b>2023</b> , 15, 9	0
200	Drivers of litter ingestion by sea turtles: Three decades of empirical data collected in Atlantic Europe and the Mediterranean. <b>2022</b> , 185, 114364	0
199	Selective Lanthanide-Organic Catalyzed Depolymerization of Nylon-6 to $\gamma$ -Caprolactam.	1
198	Selective Lanthanide-Organic Catalyzed Depolymerization of Nylon-6 to $\gamma$ -Caprolactam.	0
197	Soil heterogeneity in the horizontal distribution of microplastics influences productivity and species composition of plant communities. 13,	0
196	Aquatic Eco-systems Under Influence of Climate Change and Anthropogenic Activities. <b>2023</b> , 307-331	1
195	Current Situation and Ecological Effects of Microplastic Pollution in Soil. <b>2022</b> , 260,	0

- 194 Developing Scenario of Plastic Waste Leakage in the Jakarta Hydrology Environment Using Seasonal Data Conditions and Socioeconomic Aspects. **2023**, 65-88 ○
- 193 Thermodynamic Assessment of the Impact of Selected Plastics on the Energy Parameters of Explosives. **2022**, 15, 9583 ○
- 192 New Methods for the Quantification of Ingested Nano- and Ultrafine Plastics in Seabirds. ○
- 191 Carbon Footprint of Single-Use Plastic Items and Their Substitution. **2022**, 14, 16563 ○
- 190 First Assessment of Micro-Litter Ingested by Dolphins, Sea Turtles and Monk Seals Found Stranded along the Coasts of Samos Island, Greece. **2022**, 12, 3499 ○
- 189 Environmental risks due to the presence of microplastics in coastal and marine environments of the Colombian Caribbean. **2022**, 185, 114357 ○
- 188 Microplastics in Freshwater: A Focus on the Russian Inland Waters. **2022**, 14, 3909 ○
- 187 Finding of Novel Galactose Utilizing Halomonas sp. YK44 for Polyhydroxybutyrate (PHB) Production. **2022**, 14, 5407 1
- 186 Marine litter pollution of breeding colony and habitat use patterns of Black-tailed gulls in South Korea. **2022**, 185, 114363 ○
- 185 Morphological Alterations in the Early Developmental Stages of Zebrafish (*Danio rerio*; Hamilton 1822) Induced by Exposure to Polystyrene Microparticles. **2023**, 110, ○
- 184 Microplastics in the Surface Water and Gastrointestinal Tract of *Salmo trutta* from the Mahodand Lake, Kalam Swat in Pakistan. **2023**, 11, 3 ○
- 183 Evidence and Mass Quantification of Atmospheric Microplastics in a Coastal New Zealand City. **2022**, 56, 17556-17568 ○
- 182 Microplastics Dynamics in the Bathing Seawater Affected by the Ebb Tide in Zhanjiang Bay, China. **2022**, 10, 1947 ○
- 181 Preliminary investigation on effects of size, polymer type, and surface behaviour on the vertical mobility of microplastics in a porous media. **2022**, 161148 ○
- 180 Poly(Vinyl Alcohol) as Sustainable and Eco-Friendly Packaging: A Review. 1
- 179 Evaluating community science sampling for microplastics in shore sediments of large river watersheds. **2023**, 8, 1-15 ○
- 178 Bacteria Release from Microplastics into New Aquatic Environments. **2023**, 15, 115 ○
- 177 Prevalence and implications of microplastics in potable water system: An update. **2023**, 137848 1

- 176 Microplastic levels on sandy beaches: Are the effects of tourism and coastal recreation really important?. **2023**, 137842 ○
- 175 Polystyrene microplastics induced nephrotoxicity associated with oxidative stress, inflammation, and endoplasmic reticulum stress in juvenile rats. 9, ○
- 174 Plastic Biodegradation by the Wax Moth: A Viable Alternative. **2023**, 76-89 ○
- 173 Plastic ingestion by carnivore fish in a neotropical floodplain: seasonal and interspecific variations. ○
- 172 Insights into the degradation mechanism of PET and PP under marine conditions using FTIR. **2023**, 130796 ○
- 171 Effects of Microplastic Contamination on the Aquatic Plant *Lemna minuta* (Least Duckweed). **2023**, 12, 207 ○
- 170 Biodegradable blends from bacterial biopolyester PHBV and bio-based PBSA: Study of the effect of chain extender on the thermal, mechanical and morphological properties. **2023**, 225, 1291-1305 ○
- 169 Dietary intake of microplastics impairs digestive performance, induces hepatic dysfunction, and shortens lifespan in the annual fish *Nothobranchius guentheri*. 1
- 168 Effects of micro-plastics in non-point source pollution on various water sources, sediments, and fishes. ○
- 167 Optimize lettuce washing methods to reduce the risk of microplastics ingestion: The evidence from microplastics residues on the surface of lettuce leaves and in the lettuce washing wastewater. **2023**, 161726 ○
- 166 Microplastic Contaminants in the Sediment of the East Coast of Saudi Arabia. ○
- 165 The Risks of Microplastic Pollution in the Aquatic Ecosystem. ○
- 164 Microplastic Toxicity in Aquatic Organisms and Aquatic Ecosystems: a Review. **2023**, 234, ○
- 163 River engage: Insights on plastic debris polluting the Aturukuku River in Uganda, the Ayung River in Indonesia, and the Connecticut River in the United States. 10, ○
- 162 Microplastics in multimedia environment: A systematic review on its fate, transport, quantification, health risk, and remedial measures. **2023**, 20, 100889 ○
- 161 Experimental investigation on the nearshore transport of buoyant microplastic particles. **2023**, 187, 114610 ○
- 160 Investigating variability among fisheries litter accumulation on beaches in Paran Brazil. **2023**, 187, 114607 ○
- 159 Wave-induced cross-shore distribution of different densities, shapes, and sizes of plastic debris in coastal environments: A laboratory experiment. **2023**, 187, 114561 ○

- 158 In situ microplastic ingestion by neritic zooplankton of the central Mexican Pacific. **2023**, 319, 120994 ○
- 157 Influence of polyvinyl chloride microplastic on chromium uptake and toxicity in sweet potato. **2023**, 251, 114526 ○
- 156 Biodegradation of poly(ethylene terephthalate): Mechanistic insights, advances, and future innovative strategies. **2023**, 457, 141230 2
- 155 Marine debris and associated organic pollutants in surface waters of Chilo in the Northern Chilean Patagonia (42°34'S). **2023**, 187, 114558 ○
- 154 Microplastic abundance in feces of lagomorphs in relation to urbanization. **2023**, 864, 161025 ○
- 153 Microplastic emission characteristics of stormwater runoff in an urban area: Intra-event variability and influencing factors. **2023**, 866, 161318 1
- 152 Measuring the effects of diethyl phthalate microplastics on marine algae growth using dielectric spectroscopy. **2023**, 865, 161221 ○
- 151 Variations in the spatial distribution of expanded polystyrene marine debris: Are Asian's coastlines more affected?. **2023**, 11, 100342 ○
- 150 Hand-Crafted Features for Floating Plastic Detection. **2022**, ○
- 149 Climbing perch *Anabas testudineus* avoid expanded polystyrene pellets ingestion. ○
- 148 Macroplastics in Lakes: An Underrepresented Ecological Problem?. **2023**, 15, 60 1
- 147 Current scenario and challenges of plastic pollution in Bangladesh: a focus on farmlands and terrestrial ecosystems. **2023**, 17, ○
- 146 Influence of Different Environments and Temperatures on the Photo-Oxidation Behaviour of the Polypropylene. **2023**, 15, 74 1
- 145 Microplastics in the Ecosystem: An Overview on Detection, Removal, Toxicity Assessment, and Control Release. **2023**, 15, 51 2
- 144 Combining industrial ecology tools to assess potential greenhouse gas reductions of a circular economy: Method development and application to Switzerland. ○
- 143 Microplastics pollution in the river Karnaphuli: a preliminary study on a tidal confluence river in the southeast coast of Bangladesh. ○
- 142 Quantification and characterisation of microplastic pollution and its ecological risk in the coastline of Tuticorin, India. 104-121 ○
- 141 Generation and impact of microplastics and nanoplastics from bioplastic sources. **2023**, 83-99 ○



- 140 Floating Riverine Litter Flux to the White Sea: Seasonal Changes in Abundance and Composition. **2023**, 11, 293 ○
- 139 Tire and Road Wear Particle-Containing Sediments with High Organic Content Impact Behavior and Survival of Chironomid Larvae (*Chironomus riparius*). **2023**, 10, 23 ○
- 138 The analytical/measurement sources of multivariate errors. A case study: Detecting microplastics in sand. **2023**, 95-118 ○
- 137 Litter Reduction during Beach Closure in the Context of the COVID-19 Pandemic: Quantifying the Impact of Users on Beach Litter Generation. **2023**, 15, 2009 ○
- 136 Impacts, evolution, and changes of pressure on marine ecosystems in recent times. Toward new emerging and unforeseen impacts within a changing world. **2023**, 1-16 ○
- 135 Initial discovery of microplastic pollution in *Mnemiopsis leidyi* (Ctenophora: Lobata). **2023**, 100140 ○
- 134 Protein-Based Biological Materials: Molecular Design and Artificial Production. ○
- 133 Microbial attachment studies on plastic-specific microorganisms. **2023**, 309-337 ○
- 132 Microplastics in mainstem Mississippi River fishes. 10, ○
- 131 Distribution of Microplastic Abundance and Composition in Surface Water around Anthropogenic Areas (Case Study: Jeneberang River, South Sulawesi, Indonesia). **2023**, 1134, 012039 ○
- 130 The role of nanomaterials in plastics biodegradability. **2023**, 283-308 ○
- 129 Spectacle lens and contact lens recycling in South Africa. **2023**, 82, ○
- 128 Biodegradability and current status of polyethylene terephthalate. **2023**, 155-177 ○
- 127 The Complex Dynamics of Microplastic Migration through Different Aquatic Environments: Subsidies for a Better Understanding of Its Environmental Dispersion. **2023**, 2, 62-77 1
- 126 Forecasting marine debris spill accumulation patterns in the south-eastern Australia water: an intercomparison between global ocean forecast models. ○
- 125 Microplastics in a pelagic squid (*Dosidicus gigas*) from the Eastern tropical Pacific Ocean: Characteristics, spatial variation, and preliminary risk assessment. 11, ○
- 124 Phytotoxic Effects of Polystyrene and Polymethyl Methacrylate Microplastics on *Allium cepa* Roots. **2023**, 12, 747 ○
- 123 Reducing single-use plastic on college campuses: Theory of planned behavior-based brief interventions. **2023**, 4, 100098 ○

- 122 The Impact of Ecolabels and Green Taxes on Market Outcomes. **2023**, 159-171 ○
- 121 Determination of polyurethanes within microplastics in complex environmental samples by analytical pyrolysis. ○
- 120 Assessment on the pollution level and risk of microplastics on bathing beaches: a case study of Liandao, China. **2023**, 195, ○
- 119 Short-Term Microplastic Exposure Impairs Cognition in Hermit Crabs. **2023**, 13, 1055 ○
- 118 Exploring the Potential Hormonal Effects of Tire Polymers (TPs) on Different Species Based on a Theoretical Computational Approach. **2023**, 15, 1719 ○
- 117 Polystyrene microplastics induce endoplasmic reticulum stress, apoptosis and inflammation by disrupting the gut microbiota in carp intestines. **2023**, 323, 121233 ○
- 116 Investigation of dynamic change in microplastics vertical distribution patterns: The seasonal effect on vertical distribution. **2023**, 189, 114674 ○
- 115 Contrasting the effects of microplastic types, concentrations and nutrient enrichment on freshwater communities and ecosystem functioning. **2023**, 255, 114834 ○
- 114 Tracking microplastics contamination in drinking water in Zahedan, Iran: From source to consumption taps. **2023**, 872, 162121 ○
- 113 Material flow analysis of commercial fishing gears in Taiwan. **2023**, 190, 114822 ○
- 112 First record of an Anthropocene marker plastiglomerate in Andaman Island, India. **2023**, 190, 114802 ○
- 111 Microplastic ingestion by common terns (*Sterna hirundo*) and their prey during the non-breeding season. **2023**, 327, 121627 ○
- 110 Effect of gillnet twine thickness on capture pattern and efficiency in the Northeast-Arctic cod (*Gadus morhua*) fishery. **2023**, 191, 114927 ○
- 109 Micro- and nanoplastic toxicity: A review on size, type, source, and test-organism implications. **2023**, 878, 162954 ○
- 108 Improved Cadmium Removal Induced by Interaction of Nanoscale Zero-Valent Iron and Microplastics Debris. **2023**, 149, ○
- 107 Assessment of microplastics in edible salts from solar salt pans and commercial salts. **2023**, 6, 100032 ○
- 106 Important effects of polypropylene on migration of ciprofloxacin in groundwater. **2023**, 11, 109847 ○
- 105 From prey to predators: Evidence of microplastic trophic transfer in tuna and large pelagic species in the southwestern Tropical Atlantic. **2023**, 327, 121532 ○

104	Accumulation, functional and antioxidant responses to acute exposure to Di(2-ethylhexyl)phthalate (DEHP) in <i>Mytilus galloprovincialis</i> . <b>2023</b> , 191, 114923	0
103	First quantification and chemical characterization of atmospheric microplastics observed in Seoul, South Korea. <b>2023</b> , 327, 121481	0
102	Exposure to polypropylene microplastics via diet and water induces oxidative stress in <i>Cyprinus carpio</i> . <b>2023</b> , 259, 106540	0
101	Microlitter occurrence, distribution, and summertime transport trajectories in the coastal waters of the north-eastern Tyrrhenian Sea (Italy). <b>2023</b> , 2, 100192	0
100	Photoreforming of Waste Polymers for Sustainable Hydrogen Fuel and Chemicals Feedstock: Waste to Energy.	0
99	Assessing bioplastics biodegradability by standard and research methods: Current trends and open issues. <b>2023</b> , 11, 109424	0
98	Occurrence and sources of micro-plastics in various water bodies, sediments, and fishes in Ansan, South Korea.	0
97	Quantification and characterization of microplastics in surface water samples from the Northeast Atlantic Ocean using laser direct infrared imaging. <b>2023</b> , 190, 114880	0
96	Long term trends in floating plastic pollution within a marine protected area identifies threats for Endangered northern bottlenose whales. <b>2023</b> , 227, 115686	0
95	Adsorption of highly toxic chlorophenylacetonitriles on typical microplastics in aqueous solutions: Kinetics, isotherm, impact factors and mechanism. <b>2023</b> , 880, 163261	0
94	Microplastics pollution studies in India: A recent review of sources, abundances and research perspectives. <b>2023</b> , 61, 102863	0
93	Settling velocity of microplastic particles having regular and irregular shapes. <b>2023</b> , 228, 115783	0
92	LDPE and biodegradable PLA-PBAT plastics differentially affect plant-soil nitrogen partitioning and dynamics in a <i>Hordeum vulgare</i> mesocosm. <b>2023</b> , 447, 130825	0
91	Characterization of microplastic pollution in the Pasur river of the Sundarbans ecosystem (Bangladesh) with emphasis on water, sediments, and fish. <b>2023</b> , 868, 161704	0
90	Leaving a plastic legacy: Current and future scenarios for mismanaged plastic waste in rivers. <b>2023</b> , 869, 161821	0
89	Microplastics in terrestrial ecosystem: Sources and migration in soil environment. <b>2023</b> , 318, 137946	0
88	Characterization of pyrolysis oil produced from organic and plastic wastes using an auger reactor. <b>2023</b> , 278, 116723	0
87	Microplastics in the Atmosphere and Water Bodies of Coastal Agglomerations: A Mini-Review. <b>2023</b> , 20, 2466	1

- 86 Settling behaviors of microplastic disks in water. **2023**, 188, 114657 ○
- 85 Unfolding the science behind policy initiatives targeting plastic pollution. **2023**, 3, ○
- 84 Physicochemical and structural evidence that *Bacillus cereus* isolated from the gut of waxworms (*Galleria mellonella* larvae) biodegrades polypropylene efficiently in vitro. ○
- 83 Baseline assessment of microplastics in commercially important marine bivalves from New York, U.S.A.. **2023**, 188, 114625 ○
- 82 Plastic microfibers as a risk factor for the health of aquatic organisms: A bibliometric and systematic review of plastic pandemic. **2023**, 870, 161949 ○
- 81 Effects of organic matter on the aggregation of anthropogenic microplastic particles in turbulent environments. **2023**, 232, 119706 ○
- 80 Extruded polystyrene microplastics as a source of brominated flame retardant additives in the marine environment: long-term field and laboratory experiments. **2023**, 172, 107797 ○
- 79 Microplastics in Freshwater River in Rio de Janeiro and Its Role as a Source of Microplastic Pollution in Guanabara Bay, SE Brazil. **2023**, 3, 208-223 1
- 78 Transport of Micron-Sized Polyethylene Particles in Confined Aquifer: Effects of Size, Aging, And Confining Pressure. ○
- 77 Insights into the distribution and ingestion of prey-like plastic fishing lures in Mediterranean rough-toothed dolphins. **2023**, 188, 114701 ○
- 76 Effect of mulching on soil properties, microbial diversity and activities, and crop yield. ○
- 75 The effect of polystyrene foam in different doses on the blood parameters and relative mass of internal organs of white mice. **2022**, 30, 436-441 ○
- 74 Marine litter in mangroves: composition, magnitude, and impacts. **2022**, 50-60 ○
- 73 Microplastics: The stemming environmental challenge and the quest for the missing mitigation strategies. **2023**, 179, 105581 ○
- 72 Synergistic Mutations Create *Bacillus Subtilisin* Variants with Enhanced Poly-l-Lactic Acid Depolymerization Activity. **2023**, 24, 1141-1154 ○
- 71 New possibility for PET plastic recycling by a tailored hydrolytic enzyme. **2023**, ○
- 70 Interactions between breeding gulls and monofilament lines at one of the main recreational fishing sites in Argentina. **2023**, 188, 114720 ○
- 69 Anthropogenic litter in terrestrial flora and fauna: Is the situation as bad as in the ocean? A field study in Southern Germany on five meadows and 150 ruminants in comparison with marine debris. **2023**, 323, 121304 ○

- 68 Practical ways to recycle plastic: current status and future aspects. ○
- 67 Microplastics assessment in Arabian Sea fishes: accumulation, characterization, and method development. 84, ○
- 66 The risks of marine micro/nano-plastics on seafood safety and human health. **2023**, 229-271 ○
- 65 Multilevel Toxicity Evaluations of Polyethylene Microplastics in Zebrafish (*Danio rerio*). **2023**, 20, 3617 ○
- 64 Effect of Microplastics Pollution on Hydrogen Production from Biomass: A Comprehensive Review. **2023**, 62, 3835-3843 ○
- 63 Microplastic occurrence and ecological risk assessment in the eight outlets of the Pearl River Estuary, a new insight into the riverine microplastic input to the northern South China Sea. **2023**, 189, 114719 ○
- 62 Plastic waste in surface waters of an urban estuary. **2023**, 74, 500-510 ○
- 61 ESG Investing in 'White Gold'—The Case of Lebanese Salinas. **2023**, 16, 147 ○
- 60 There's something in the air: A review of sources, prevalence and behaviour of microplastics in the atmosphere. **2023**, 874, 162193 ○
- 59 Insights on experimental methodologies and theoretical models for microplastics transport in soils and sediments based on meta-analysis. ○
- 58 Microplastic Detection and Analysis from Water and Sediment: A Review. **2023**, 407, ○
- 57 Microplastic pollution: An emerging contaminant in aquaculture. **2023**, 8, 603-616 ○
- 56 The Microplastics: Their Occurrence and Impacts in India—A Review. ○
- 55 Effect of emerging contaminants on soil microbial community composition, soil enzyme activity, and strawberry plant growth in polyethylene microplastic-containing soils. **2023**, 2, 629-644 ○
- 54 Occurrence and risk assessment of microplastics in the Lhasa River—remote plateau river on the Qinghai-Tibet Plateau, China. **2023**, 195, ○
- 53 Direct numerical simulation of the distribution of floating microplastic particles in an open channel flow. ○
- 52 Tropical sharks feasting on and swimming through microplastics: First evidence from Malaysia. **2023**, 189, 114762 ○
- 51 Effect of aging of microplastics on gene expression levels of the marine mussel *Mytilus edulis*: Comparison in vitro/in vivo exposures. **2023**, 189, 114767 ○

- 50 Production and characterization of plastic oil from mixed plastic waste through the pyrolysis process. **2023**, ○
- 49 Persistence of Micro- and Nanoplastics in Soil. **2023**, 97-124 ○
- 48 Emerging Techniques for the Mitigation of Micro and Nanoplastics in Soil. **2023**, 383-411 ○
- 47 The original polyethylene microplastics inhibit the growth of sweet potatoes and increase the safety risk of cadmium. 14, ○
- 46 Abundance and Distribution of MPs and NPs in Soil: A Global Scenario. **2023**, 35-57 ○
- 45 Detection of Sub-20  $\mu\text{m}$  Microplastic Particles by Attenuated Total Reflection Fourier Transform Infrared Spectroscopy and Comparison with Raman Spectroscopy. **2023**, 8, 10335-10341 ○
- 44 Unaccounted Microplastics in the Outlet of Wastewater Treatment Plants Challenges and Opportunities. **2023**, 11, 810 ○
- 43 Seasonal effects, spatial distribution, and possible sources of microplastics in the Chao Phraya River estuary, Thailand. **2023**, 58, 256-266 ○
- 42 Analysis and forecasting of national marine litter based on coastal data in South Korea from 2009 to 2021. **2023**, 189, 114803 ○
- 41 Ruthenium/TiO<sub>2</sub>-Catalyzed Hydrogenolysis of Polyethylene Terephthalate: Reaction Pathways Dominated by Coordination Environment. ○
- 40 Ruthenium/TiO<sub>2</sub>-Catalyzed Hydrogenolysis of Polyethylene Terephthalate: Reaction Pathways Dominated by Coordination Environment. ○
- 39 Characterization and Process Optimization for Enhanced Production of Polyhydroxybutyrate (PHB)-Based Biodegradable Polymer from *Bacillus flexus* Isolated from Municipal Solid Waste Landfill Site. **2023**, 15, 1407 ○
- 38 Understanding the factors affecting the quantity and composition of street litter: Implication for management practices. **2023**, 9, e14245 ○
- 37 Scientometric analysis of the development of plastic packaging considering the circular economy and clean technologies: A review. 0734242X2311600 ○
- 36 Sensing the interaction of living organisms with microplastics by microscopy methods. **2023**, ○
- 35 Microplastics in European sea salts An example of exposure through consumer choice and of interstudy methodological discrepancies. **2023**, 255, 114782 ○
- 34 Solvent-induced competing processes in polycarbonate degradation: depolymerization, chain scission, and branching/crosslinking. ○
- 33 Analysis of the limits for the detection of small garbage island immersed in clutter radar. 551-559 ○

- 32 The Minderoo-Monaco Commission on Plastics and Human Health. **2023**, 89, ○
- 31 Problems of Centralized Depuration Systems. ○
- 30 Ecocomposites Based on High-Impact Polystyrene (HIPS) and Amazon Açaí (*Euterpe oleracea*) Fibers: Influence of NaOH Treatment on Its Structural, Thermal, and Mechanical Properties. **2023**, 59, 147-158 ○
- 29 Rapid oxidative fragmentation of polypropylene with pH control in seawater for preparation of realistic reference microplastics. **2023**, 13, ○
- 28 Risk of Expanded Polystyrene Ingestion by Climbing Perch *Anabas testudineus*. **2023**, 15, 1294 ○
- 27 Mechanical and Thermal Properties of HDPE/PET Microplastics, Applications, and Impact on Environment and Life. ○
- 26 Characteristics and fluxes of plastic debris based on socio-economic data for Patos Lagoon, a choked coastal Lagoon in South Brazil. ○
- 25 Degradation of PET Bottles by an Engineered *Ideonella sakaiensis* PETase. **2023**, 15, 1779 ○
- 24 Nanotechnology in Plastic Degradation. **2023**, 20, 53-68 ○
- 23 Exploring microplastic pollution in a Mediterranean river: The role of introduced species as bioindicators. **2023**, 9, e15069 ○
- 22 The future for biochemical recycling of poly(ethylene terephthalate): from lab to process. **2023**, 100822 ○
- 21 Molecular Toxicity Mechanism of Microplastics in the Reservoir. **2023**, 173-181 ○
- 20 A mixed method assessment of research productivity on microplastics in various compartments in the environment. ○
- 19 Vultures in the southeastern United States ingest more plastic in landscapes with more developed landcover. 11, ○
- 18 Verification of the existence of copper-based antifouling paint particles in the sea and their implications for marine microplastic degradation. ○
- 17 Potential of Optical Spaceborne Sensors for the Differentiation of Plastics in the Environment. **2023**, 15, 2020 ○
- 16 Effects of PET microplastics on the freshwater crustacean *Daphnia similis* Claus, 1976. 35, ○
- 15 Microplastics and Nanoplastics Effects on Plant-Pollinator Interaction and Pollination Biology. ○

- 14 Verification of the existence of copper-based antifouling paint particles in the sea and their implications for marine microplastic degradation. ○
- 13 Assessing the effectiveness of MARPOL Annex V at reducing marine debris on Australian beaches. **2023**, 191, 114929 ○
- 12 Screening for Microplastic Uptake in an Urbanized Freshwater Ecosystem: *Chondrostoma nasus* (Linnaeus, 1758) Case Study. **2023**, 15, 1578 ○
- 11 New insights in to the environmental behavior and ecological toxicity of microplastics. **2023**, 100298 ○
- 10 Recycled polyvinyl chloride microplastics: investigation of environmentally relevant concentrations on toxicity in adult zebrafish. 1-14 ○
- 9 Reduced cellular process and developmental process genotoxicity of polystyrene nanoplastics in zebrafish embryogenesis using *Aurelia aurita* proteins. ○
- 8 Factors affecting the distribution of microplastics in soils of China. **2023**, 17, ○
- 7 Microplastics as an emerging menace to environment: Insights into their uptake, prevalence, fate, and sustainable solutions. **2023**, 115922 ○
- 6 New insights into the migration, distribution and accumulation of micro-plastic in marine environment: A critical mechanism review. **2023**, 138572 ○
- 5 Comparing effects of microplastic exposure, FPOM resource quality, and consumer density on the response of a freshwater particle feeder and associated ecosystem processes. **2023**, 85, ○
- 4 Waste polyethylene terephthalate (PET) fiber reinforced mortar in enhancing the bond behavior of masonry. **2023**, 53, 908-923 ○
- 3 First comparative assessment of contamination by plastics and non-synthetic particles in three bivalve species from an Italian sub-alpine lake. **2023**, 330, 121752 ○
- 2 Interaction behaviors of sulfamethoxazole and microplastics in marine condition: Focusing on the synergistic effects of salinity and temperature. **2023**, 259, 115009 ○
- 1 Single-use take-away cups of paper are as toxic to aquatic midge larvae as plastic cups. **2023**, 330, 121836 ○