

## List of Publications by Year in descending order

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72  
papers

9,934  
citations

61857

43  
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85405

71  
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72  
docs citations

72  
times ranked

6952  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined Effects of UV Exposure Duration and Mechanical Abrasion on Microplastic Fragmentation by Polymer Type. <i>Environmental Science &amp; Technology</i> , 2017, 51, 4368-4376.	4.6	896
2	Size-Dependent Effects of Micro Polystyrene Particles in the Marine Copepod <i>Tigriopus japonicus</i> . <i>Environmental Science &amp; Technology</i> , 2013, 47, 11278-11283.	4.6	719
3	Identification methods in microplastic analysis: a review. <i>Analytical Methods</i> , 2017, 9, 1384-1391.	1.3	628
4	A comparison of microscopic and spectroscopic identification methods for analysis of microplastics in environmental samples. <i>Marine Pollution Bulletin</i> , 2015, 93, 202-209.	2.3	602
5	The physical oceanography of the transport of floating marine debris. <i>Environmental Research Letters</i> , 2020, 15, 023003.	2.2	469
6	Large Accumulation of Micro-sized Synthetic Polymer Particles in the Sea Surface Microlayer. <i>Environmental Science &amp; Technology</i> , 2014, 48, 9014-9021.	4.6	436
7	Sorption capacity of plastic debris for hydrophobic organic chemicals. <i>Science of the Total Environment</i> , 2014, 470-471, 1545-1552.	3.9	415
8	Identification and quantification of microplastics using Nile Red staining. <i>Marine Pollution Bulletin</i> , 2016, 113, 469-476.	2.3	388
9	Spatiotemporal distribution and annual load of microplastics in the Nakdong River, South Korea. <i>Water Research</i> , 2019, 160, 228-237.	5.3	335
10	Relationships among the abundances of plastic debris in different size classes on beaches in South Korea. <i>Marine Pollution Bulletin</i> , 2013, 77, 349-354.	2.3	324
11	Abundance and characteristics of microplastics in market bivalves from South Korea. <i>Environmental Pollution</i> , 2019, 245, 1107-1116.	3.7	309
12	Horizontal and Vertical Distribution of Microplastics in Korean Coastal Waters. <i>Environmental Science &amp; Technology</i> , 2018, 52, 12188-12197.	4.6	218
13	Occurrence and Distribution of Microplastics in the Sea Surface Microlayer in Jinhae Bay, South Korea. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 279-287.	2.1	209
14	Estimation of lost tourism revenue in Geoje Island from the 2011 marine debris pollution event in South Korea. <i>Marine Pollution Bulletin</i> , 2014, 81, 49-54.	2.3	194
15	Marine neustonic microplastics around the southeastern coast of Korea. <i>Marine Pollution Bulletin</i> , 2015, 96, 304-312.	2.3	182
16	Horizontal and vertical distribution of PCBs and chlorinated pesticides in sediments from Masan Bay, Korea. <i>Marine Pollution Bulletin</i> , 2003, 46, 244-253.	2.3	169
17	Distribution of small plastic debris in cross-section and high strandline on Heungnam beach, South Korea. <i>Ocean Science Journal</i> , 2013, 48, 225-233.	0.6	169
18	Styrofoam Debris as a Source of Hazardous Additives for Marine Organisms. <i>Environmental Science &amp; Technology</i> , 2016, 50, 4951-4960.	4.6	166

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19	Abundance, composition, and distribution of microplastics larger than 20µm in sand beaches of South Korea. <i>Environmental Pollution</i> , 2018, 238, 894-902.	3.7	160
20	Qualitative Analysis of Additives in Plastic Marine Debris and Its New Products. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 352-366.	2.1	156
21	A close relationship between microplastic contamination and coastal area use pattern. <i>Water Research</i> , 2020, 171, 115400.	5.3	150
22	Rapid Production of Micro- and Nanoplastics by Fragmentation of Expanded Polystyrene Exposed to Sunlight. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11191-11200.	4.6	144
23	Microplastics in the Ocean. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 265-268.	2.1	142
24	Abundance and Distribution Characteristics of Microplastics in Surface Seawaters of the Incheon/Kyeonggi Coastal Region. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 269-278.	2.1	127
25	Distribution and Size Relationships of Plastic Marine Debris on Beaches in South Korea. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 288-298.	2.1	122
26	Microplastics and nanoplastics in the marine-atmosphere environment. <i>Nature Reviews Earth &amp; Environment</i> , 2022, 3, 393-405.	12.2	121
27	Widespread detection of a brominated flame retardant, hexabromocyclododecane, in expanded polystyrene marine debris and microplastics from South Korea and the Asia-Pacific coastal region. <i>Environmental Pollution</i> , 2017, 231, 785-794.	3.7	118
28	Hexabromocyclododecane in polystyrene based consumer products: An evidence of unregulated use. <i>Chemosphere</i> , 2014, 110, 111-119.	4.2	116
29	Nationwide monitoring of microplastics in bivalves from the coastal environment of Korea. <i>Environmental Pollution</i> , 2021, 270, 116175.	3.7	113
30	Ecological risk assessment of microplastics in coastal, shelf, and deep sea waters with a consideration of environmentally relevant size and shape. <i>Environmental Pollution</i> , 2021, 270, 116217.	3.7	102
31	Sources of plastic marine debris on beaches of Korea: More from the ocean than the land. <i>Ocean Science Journal</i> , 2014, 49, 151-162.	0.6	94
32	Microplastic contamination of table salts from Taiwan, including a global review. <i>Scientific Reports</i> , 2019, 9, 10145.	1.6	87
33	An interlaboratory comparison exercise for the determination of microplastics in standard sample bottles. <i>Marine Pollution Bulletin</i> , 2019, 146, 831-837.	2.3	79
34	Impacts of marine debris on wild animals in the coastal area of Korea. <i>Marine Pollution Bulletin</i> , 2013, 66, 117-124.	2.3	78
35	Potential Threat of Microplastics to Zooplanktivores in the Surface Waters of the Southern Sea of Korea. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 340-351.	2.1	77
36	Enrichment of hexabromocyclododecanes in coastal sediments near aquaculture areas and a wastewater treatment plant in a semi-enclosed bay in South Korea. <i>Science of the Total Environment</i> , 2015, 505, 290-298.	3.9	76

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37	Survey on organochlorine pesticides, PCDD/Fs, dioxin-like PCBs and HCB in sediments from the Han river, Korea. <i>Chemosphere</i> , 2009, 75, 580-587.	4.2	75
38	Temporal trend, spatial distribution, and terrestrial sources of PBDEs and PCBs in Masan Bay, Korea. <i>Marine Pollution Bulletin</i> , 2010, 60, 1836-1841.	2.3	74
39	Distribution characteristics of nonylphenolic chemicals in Masan Bay environments, Korea. <i>Chemosphere</i> , 2008, 71, 1162-1172.	4.2	72
40	Formation of microplastics by polychaetes ( <i>Marphysa sanguinea</i> ) inhabiting expanded polystyrene marine debris. <i>Marine Pollution Bulletin</i> , 2018, 131, 365-369.	2.3	72
41	Releasing of hexabromocyclododecanes from expanded polystyrenes in seawater -field and laboratory experiments. <i>Chemosphere</i> , 2017, 185, 798-805.	4.2	71
42	PCDD/F, PBDE, and nonylphenol contamination in a semi-enclosed bay (Masan Bay, South Korea) and a Mediterranean lagoon (Thau, France). <i>Chemosphere</i> , 2009, 77, 854-862.	4.2	54
43	Characteristics of meso-sized plastic marine debris on 20 beaches in Korea. <i>Marine Pollution Bulletin</i> , 2017, 123, 92-96.	2.3	53
44	Spatial distribution of microplastic in the surface waters along the coast of Korea. <i>Marine Pollution Bulletin</i> , 2020, 155, 110729.	2.3	47
45	Marine Microplastics: Abundance, Distribution, and Composition. , 2018, , 1-26.		46
46	Prevalence of small high-density microplastics in the continental shelf and deep sea waters of East Asia. <i>Water Research</i> , 2021, 200, 117238.	5.3	45
47	Levels and profiles of persistent organic pollutants in resident and migratory birds from an urbanized coastal region of South Korea. <i>Science of the Total Environment</i> , 2014, 470-471, 1463-1470.	3.9	40
48	Source- and region-specific distribution of polycyclic aromatic hydrocarbons in sediments from Jinhae Bay, Korea. <i>Science of the Total Environment</i> , 2014, 470-471, 1485-1493.	3.9	40
49	Temporal changes in TBT pollution in water, sediment, and oyster from Jinhae Bay after the total ban in South Korea. <i>Marine Pollution Bulletin</i> , 2014, 86, 547-554.	2.3	35
50	Three decades of TBT contamination in sediments around a large scale shipyard. <i>Journal of Hazardous Materials</i> , 2011, 192, 634-642.	6.5	32
51	Relative importance of aqueous leachate versus particle ingestion as uptake routes for microplastic additives (hexabromocyclododecane) to mussels. <i>Environmental Pollution</i> , 2021, 270, 116272.	3.7	29
52	Finding solutions for the styrofoam buoy debris problem through participatory workshops. <i>Marine Policy</i> , 2015, 51, 182-189.	1.5	27
53	A comparison of spectroscopic analysis methods for microplastics: Manual, semi-automated, and automated Fourier transform infrared and Raman techniques. <i>Marine Pollution Bulletin</i> , 2021, 173, 113101.	2.3	27
54	A congener-specific survey for polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) contamination in Masan Bay, Korea. <i>Chemosphere</i> , 2007, 68, 1613-1622.	4.2	26

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55	Distribution of persistent organic pollutants in bivalves from the northeast coast of China. <i>Marine Pollution Bulletin</i> , 2008, 57, 775-781.	2.3	26
56	Characterization of cholinesterases in marbled sole, <i>Limanda yokohamae</i> , and their inhibition in vitro by the fungicide iprobenfos. <i>Marine Environmental Research</i> , 2007, 63, 471-478.	1.1	21
57	Multiple In Vitro Bioassay Approach in Sediment Toxicity Evaluation: Masan Bay, Korea. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 32-37.	1.3	15
58	Underwater hidden microplastic hotspots: Historical ocean dumping sites. <i>Water Research</i> , 2022, 216, 118254.	5.3	15
59	Polychlorinated biphenyls (PCBs) in a benthic ecosystem in Gwangyang Bay, South Korea. <i>Marine Pollution Bulletin</i> , 2011, 62, 2863-2868.	2.3	13
60	Persistent organochlorine pollutants in Korean offshore waters: Squid ( <i>Todarodes pacificus</i> ) as a biomonitor. <i>Marine Pollution Bulletin</i> , 2009, 58, 1238-1244.	2.3	12
61	Assessment of sediment contamination by persistent organic pollutants in Gyeonggi Bay, Korea. <i>Toxicology and Environmental Health Sciences</i> , 2009, 1, 56-63.	1.1	12
62	Integrative assessment of sediment quality in terms of chemical contamination in Jinhae Bay, South Korea. <i>Ocean Science Journal</i> , 2014, 49, 265-278.	0.6	11
63	Status and trend of butyltin contamination in Masan Bay, Korea. <i>Toxicology and Environmental Health Sciences</i> , 2011, 3, 46-53.	1.1	10
64	What type of plastic do sea turtles in Korean waters mainly ingest? Quantity, shape, color, size, polymer composition, and original usage. <i>Environmental Pollution</i> , 2022, 298, 118849.	3.7	9
65	Assessment of Persistent Organic and Heavy Metal Contamination in Busan Coast: Application of Sediment Quality Index. <i>Ocean and Polar Research</i> , 2016, 38, 171-184.	0.3	7
66	Dispersion of organic contaminants from wastewater treatment outfall in Masan Bay, Korea. <i>Toxicology and Environmental Health Sciences</i> , 2010, 2, 200-206.	1.1	6
67	Multiple approaches to assessing the risk posed by anthropogenic plastic debris. <i>Marine Pollution Bulletin</i> , 2019, 141, 188-193.	2.3	6
68	Biomonitoring background levels of PCBs and PBDEs in Seoul metropolitan atmosphere for possible health effects. <i>Toxicology and Environmental Health Sciences</i> , 2009, 1, 109-116.	1.1	5
69	Biomarkers in marbled flounder ( <i>Pleuronectes yokohamae</i> ) from contaminated and reference sites in South Korea. <i>Marine Pollution Bulletin</i> , 2009, 58, 1754-1759.	2.3	4
70	Occurrence and spatial distribution of organic contaminants in sediments from Chinhae Bay, Korea. <i>Toxicology and Environmental Health Sciences</i> , 2010, 2, 119-124.	1.1	3
71	Understanding the accumulation features of POPs in squid from the offshore waters of southeast Korea. <i>Fisheries Science</i> , 2010, 76, 325-331.	0.7	2
72	Can Zooplankton Be Entangled by Microfibers in the Marine Environment?: Laboratory Studies. <i>Water (Switzerland)</i> , 2020, 12, 3302.	1.2	2