

Sang Hee Hong

List of Publications by Year in descending order

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97
papers

9,065
citations

53660

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40881

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times ranked

6528
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#	ARTICLE	IF	CITATIONS
1	Combined Effects of UV Exposure Duration and Mechanical Abrasion on Microplastic Fragmentation by Polymer Type. <i>Environmental Science & Technology</i> , 2017, 51, 4368-4376.	4.6	896
2	Identification methods in microplastic analysis: a review. <i>Analytical Methods</i> , 2017, 9, 1384-1391.	1.3	628
3	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
4	Large Accumulation of Micro-sized Synthetic Polymer Particles in the Sea Surface Microlayer. <i>Environmental Science & Technology</i> , 2014, 48, 9014-9021.	4.6	436
5	Identification and quantification of microplastics using Nile Red staining. <i>Marine Pollution Bulletin</i> , 2016, 113, 469-476.	2.3	388
6	Spatiotemporal distribution and annual load of microplastics in the Nakdong River, South Korea. <i>Water Research</i> , 2019, 160, 228-237.	5.3	335
7	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
8	Abundance and characteristics of microplastics in market bivalves from South Korea. <i>Environmental Pollution</i> , 2019, 245, 1107-1116.	3.7	309
9	Horizontal and Vertical Distribution of Microplastics in Korean Coastal Waters. <i>Environmental Science & Technology</i> , 2018, 52, 12188-12197.	4.6	218
10	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
11	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
12	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
13	Styrofoam Debris as a Source of Hazardous Additives for Marine Organisms. <i>Environmental Science & Technology</i> , 2016, 50, 4951-4960.	4.6	166
14	Abundance, composition, and distribution of microplastics larger than 20 μ m in sand beaches of South Korea. <i>Environmental Pollution</i> , 2018, 238, 894-902.	3.7	160
15	Microplastics as a vector of hydrophobic contaminants: Importance of hydrophobic additives. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 494-499.	1.6	158
16	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
17	A close relationship between microplastic contamination and coastal area use pattern. <i>Water Research</i> , 2020, 171, 115400.	5.3	150
18	Spatio-temporal distribution and characteristics of PAHs in sediments from Masan Bay, Korea. <i>Marine Pollution Bulletin</i> , 2005, 50, 319-326.	2.3	146

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19	Rapid Production of Micro- and Nanoplastics by Fragmentation of Expanded Polystyrene Exposed to Sunlight. <i>Environmental Science & Technology</i> , 2020, 54, 11191-11200.	4.6	144
20	Benzotriazole-type ultraviolet stabilizers and antioxidants in plastic marine debris and their new products. <i>Science of the Total Environment</i> , 2017, 579, 745-754.	3.9	123
21	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
22	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
23	Fingerprint and weathering characteristics of stranded oils after the Hebei Spirit oil spill. <i>Journal of Hazardous Materials</i> , 2011, 197, 60-69.	6.5	116
24	Hexabromocyclododecane in polystyrene based consumer products: An evidence of unregulated use. <i>Chemosphere</i> , 2014, 110, 111-119.	4.2	116
25	Nationwide monitoring of microplastics in bivalves from the coastal environment of Korea. <i>Environmental Pollution</i> , 2021, 270, 116175.	3.7	113
26	Geographical distribution and accumulation features of organochlorine residues in bivalves from coastal areas of South Korea. <i>Marine Pollution Bulletin</i> , 2002, 45, 268-279.	2.3	107
27	Nationwide monitoring of polychlorinated biphenyls and organochlorine pesticides in sediments from coastal environment of Korea. <i>Chemosphere</i> , 2006, 64, 1479-1488.	4.2	107
28	Congener-Specific Survey for Polychlorinated Biphenyls in Sediments of Industrialized Bays in Korea: A Regional Characteristics and Pollution Sources. <i>Environmental Science & Technology</i> , 2005, 39, 7380-7388.	4.6	102
29	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
30	Hebei Spirit oil spill monitored on site by fluorometric detection of residual oil in coastal waters off Taean, Korea. <i>Marine Pollution Bulletin</i> , 2010, 60, 383-389.	2.3	98
31	Distribution and characteristics of PAHs in sediments from the marine environment of Korea. <i>Chemosphere</i> , 2007, 68, 85-92.	4.2	97
32	Imposex in the rock shell, <i>Thais clavigera</i> , as evidence of organotin contamination in the marine environment of Korea. <i>Marine Environmental Research</i> , 2000, 49, 435-451.	1.1	89
33	Methods of analysing chemicals associated with microplastics: a review. <i>Analytical Methods</i> , 2017, 9, 1361-1368.	1.3	86
34	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
35	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
36	Persistent organochlorine residues in estuarine and marine sediments from Ha Long Bay, Hai Phong Bay, and Ba Lat Estuary, Vietnam. <i>Chemosphere</i> , 2008, 72, 1193-1202.	4.2	74

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37	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
38	Distribution characteristics of nonylphenolic chemicals in Masan Bay environments, Korea. <i>Chemosphere</i> , 2008, 71, 1162-1172.	4.2	72
39	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
40	Releasing of hexabromocyclododecanes from expanded polystyrenes in seawater -field and laboratory experiments. <i>Chemosphere</i> , 2017, 185, 798-805.	4.2	71
41	Assessment of TBT and organic booster biocide contamination in seawater from coastal areas of South Korea. <i>Marine Pollution Bulletin</i> , 2014, 78, 201-208.	2.3	68
42	Levels of Persistent Organochlorine Contaminants in Fish from Korea and Their Potential Health Risk. <i>Archives of Environmental Contamination and Toxicology</i> , 2005, 48, 358-366.	2.1	62
43	Petroleum hydrocarbon contaminations in the intertidal seawater after the Hebei Spirit oil spill “ Effect of tidal cycle on the TPH concentrations and the chromatographic characterization of seawater extracts. <i>Water Research</i> , 2013, 47, 758-768.	5.3	62
44	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
45	Characteristics of meso-sized plastic marine debris on 20 beaches in Korea. <i>Marine Pollution Bulletin</i> , 2017, 123, 92-96.	2.3	53
46	Spatial distribution of microplastic in the surface waters along the coast of Korea. <i>Marine Pollution Bulletin</i> , 2020, 155, 110729.	2.3	47
47	Marine Microplastics: Abundance, Distribution, and Composition. , 2018, , 1-26.		46
48	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
49	Accumulation of butyl- and phenyltin compounds in starfish and bivalves from the coastal environment of Korea. <i>Environmental Pollution</i> , 2005, 133, 489-499.	3.7	43
50	Distribution of butyltins and alternative antifouling biocides in sediments from shipping and shipbuilding areas in South Korea. <i>Marine Pollution Bulletin</i> , 2015, 95, 484-490.	2.3	43
51	Horizontal and Vertical Distribution of Butyltin Compounds in Sediments from Shipyards in Korea. <i>Archives of Environmental Contamination and Toxicology</i> , 2002, 43, 277-283.	2.1	40
52	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
53	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
54	Assessment of butyl- and phenyltin pollution in the coastal environment of Korea using mussels and oysters. <i>Marine Pollution Bulletin</i> , 2005, 51, 922-931.	2.3	37

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55	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
56	A survey of polychlorinated dibenzo-p-dioxins and furans in Korean seafood—a congener-specific approach. <i>Marine Pollution Bulletin</i> , 2005, 50, 1121-1127.	2.3	34
57	Photosynthesis enhancement in four marine microalgal species exposed to expanded polystyrene leachate. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 109936.	2.9	30
58	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
59	Seasonal and spatial distribution of nonylphenol and IBP in Saemangeum Bay, Korea. <i>Marine Pollution Bulletin</i> , 2005, 51, 966-974.	2.3	27
60	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
61	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
62	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
63	Particle-Size Distribution of Polycyclic Aromatic Hydrocarbons in Urban Road Dust of Masan, Korea. <i>Archives of Environmental Contamination and Toxicology</i> , 2012, 63, 189-198.	2.1	24
64	Human Exposure to Dioxin-Like Compounds in Fish and Shellfish Consumed in South Korea. <i>Human and Ecological Risk Assessment (HERA)</i> , 2007, 13, 223-235.	1.7	22
65	Identification of PAHs Sources in Bivalves and Sediments 5 Years After the Sea Prince Oil Spill in Korea. <i>Environmental Forensics</i> , 2002, 3, 357-366.	1.3	20
66	A preliminary report of persistent organochlorine pollutants in the Yellow Sea. <i>Marine Pollution Bulletin</i> , 2005, 50, 217-222.	2.3	20
67	Chemical tracers, sterol biomarkers and satellite imagery in the study of a river plume ecosystem in the Yellow Sea. <i>Continental Shelf Research</i> , 2012, 33, 29-36.	0.9	20
68	Isotopic dilution determination of emerging flame retardants in marine sediments by HPLC-APCI-MS/MS. <i>Analytical Methods</i> , 2013, 5, 1771.	1.3	19
69	Tracing origins of sewage and organic matter using dissolved sterols in Masan and Haengam Bay, Korea. <i>Ocean Science Journal</i> , 2011, 46, 95-103.	0.6	16
70	Origins of suspended particulate matter based on sterol distribution in low salinity water mass observed in the offshore East China Sea. <i>Marine Pollution Bulletin</i> , 2016, 108, 281-288.	2.3	16
71	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
72	Underwater hidden microplastic hotspots: Historical ocean dumping sites. <i>Water Research</i> , 2022, 216, 118254.	5.3	15

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73	Accumulation of Tributyltin in Olive Flounder, <i>Paralichthys olivaceus</i> : Its Effect on Hepatic Cytochrome P450. Archives of Environmental Contamination and Toxicology, 2003, 44, 390-397.	2.1	14
74	Spatial distribution and temporal trends of classical and emerging persistent organic pollutants (POPs) in black-tailed gull (<i>Larus crassirostris</i>) eggs from Korea. Science of the Total Environment, 2022, 845, 157244.	3.9	14
75	Polychlorinated biphenyls (PCBs) in a benthic ecosystem in Gwangyang Bay, South Korea. Marine Pollution Bulletin, 2011, 62, 2863-2868.	2.3	13
76	Imposex in <i>Reishia clavigera</i> as an Indicator to Assess Recovery of TBT Pollution After a Total Ban in South Korea. Archives of Environmental Contamination and Toxicology, 2017, 73, 301-309.	2.1	13
77	Persistent organochlorine pollutants in Korean offshore waters: Squid (<i>Todarodes pacificus</i>) as a biomonitor. Marine Pollution Bulletin, 2009, 58, 1238-1244.	2.3	12
78	Assessment of sediment contamination by persistent organic pollutants in Gyeonggi Bay, Korea. Toxicology and Environmental Health Sciences, 2009, 1, 56-63.	1.1	12
79	Comparative Toxicities of Organotin Compounds on Fertilization and Development of Sea Urchin (<i>Anthodidaris crassispira</i>). Bulletin of Environmental Contamination and Toxicology, 2006, 77, 755-762.	1.3	11
80	Integrative assessment of sediment quality in terms of chemical contamination in Jinhae Bay, South Korea. Ocean Science Journal, 2014, 49, 265-278.	0.6	11
81	Status and trend of butyltin contamination in Masan Bay, Korea. Toxicology and Environmental Health Sciences, 2011, 3, 46-53.	1.1	10
82	Congener-specific accumulation and environmental risk assessment of polybrominated diphenyl ethers in diverse Korean sewage sludge types. Environmental Science and Pollution Research, 2014, 21, 7480-7488.	2.7	9
83	Chemicals Associated With Marine Plastic Debris and Microplastics: Analyses and Contaminant Levels. , 2018, , 271-315.		9
84	What type of plastic do sea turtles in Korean waters mainly ingest? Quantity, shape, color, size, polymer composition, and original usage. Environmental Pollution, 2022, 298, 118849.	3.7	9
85	Evaluating the fate of hexabromocyclododecanes in the coastal environment: Fugacity analysis using field data. Environmental Pollution, 2021, 286, 117461.	3.7	8
86	Assessment of Persistent Organic and Heavy Metal Contamination in Busan Coast: Application of Sediment Quality Index. Ocean and Polar Research, 2016, 38, 171-184.	0.3	7
87	Dispersion of organic contaminants from wastewater treatment outfall in Masan Bay, Korea. Toxicology and Environmental Health Sciences, 2010, 2, 200-206.	1.1	6
88	Biomonitoring background levels of PCBs and PBDEs in Seoul metropolitan atmosphere for possible health effects. Toxicology and Environmental Health Sciences, 2009, 1, 109-116.	1.1	5
89	Levels and profiles of perfluorinated alkyl acids in liver tissues of birds with different habitat types and trophic levels from an urbanized coastal region of South Korea. Science of the Total Environment, 2022, 806, 151263.	3.9	5
90	Identification of novel polar aryl hydrocarbon receptor agonists accumulated in liver of black-tailed gulls in Korea using advanced effect-directed analysis. Journal of Hazardous Materials, 2022, 429, 128305.	6.5	5

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91	Non-O,O'-Chlorine Substituted Congeners in Commercial Polychlorinated Biphenyl (PCB) Mixtures of the World. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005, 75, 897-902.	1.3	4
92	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
93	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
94	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
95	Fish biological effect monitoring of chemical stressors using a generalized linear model in South Sea, Korea. <i>Marine Pollution Bulletin</i> , 2014, 78, 230-234.	2.3	2
96	Can Zooplankton Be Entangled by Microfibers in the Marine Environment?: Laboratory Studies. <i>Water (Switzerland)</i> , 2020, 12, 3302.	1.2	2
97	Accumulation of tributyltin and triphenyltin compounds in laboratory exposure and their induction of imposex in rock shell (<i>Thais clavigera</i>). <i>Toxicology and Environmental Health Sciences</i> , 2009, 1, 182-187.	1.1	1