

# Won-joon Shim

## List of Publications by Citations

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

191 papers	9,761 citations	55 h-index	92 g-index
195 ext. papers	11,865 ext. citations	6.3 avg, IF	6.58 L-index

#	Paper	IF	Citations
191	Size-dependent effects of micro polystyrene particles in the marine copepod <i>Tigriopus japonicus</i> . <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11278-83	10.3	534
190	Combined Effects of UV Exposure Duration and Mechanical Abrasion on Microplastic Fragmentation by Polymer Type. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 4368-4376	10.3	453
189	A comparison of microscopic and spectroscopic identification methods for analysis of microplastics in environmental samples. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 93, 202-9	6.7	405
188	Identification methods in microplastic analysis: a review. <i>Analytical Methods</i> , <b>2017</b> , 9, 1384-1391	3.2	373
187	Large accumulation of micro-sized synthetic polymer particles in the sea surface microlayer. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 9014-21	10.3	305
186	Sorption capacity of plastic debris for hydrophobic organic chemicals. <i>Science of the Total Environment</i> , <b>2014</b> , 470-471, 1545-52	10.2	303
185	Relationships among the abundances of plastic debris in different size classes on beaches in South Korea. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 77, 349-54	6.7	234
184	Identification and quantification of microplastics using Nile Red staining. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 113, 469-476	6.7	220
183	The physical oceanography of the transport of floating marine debris. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 023003	6.2	186
182	Spatiotemporal distribution and annual load of microplastics in the Nakdong River, South Korea. <i>Water Research</i> , <b>2019</b> , 160, 228-237	12.5	165
181	Abundance and characteristics of microplastics in market bivalves from South Korea. <i>Environmental Pollution</i> , <b>2019</b> , 245, 1107-1116	9.3	156
180	Horizontal and vertical distribution of PCBs and chlorinated pesticides in sediments from Masan Bay, Korea. <i>Marine Pollution Bulletin</i> , <b>2003</b> , 46, 244-53	6.7	155
179	Estimation of lost tourism revenue in Geoje Island from the 2011 marine debris pollution event in South Korea. <i>Marine Pollution Bulletin</i> , <b>2014</b> , 81, 49-54	6.7	149
178	Occurrence and Distribution of Microplastics in the Sea Surface Microlayer in Jinhae Bay, South Korea. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2015</b> , 69, 279-87	3.2	136
177	Marine neustonic microplastics around the southeastern coast of Korea. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 96, 304-12	6.7	133
176	Spatio-temporal distribution and characteristics of PAHs in sediments from Masan Bay, Korea. <i>Marine Pollution Bulletin</i> , <b>2005</b> , 50, 319-26	6.7	133
175	Distribution of small plastic debris in cross-section and high strandline on Heungnam beach, South Korea. <i>Ocean Science Journal</i> , <b>2013</b> , 48, 225-233	1.1	129

174	Horizontal and Vertical Distribution of Microplastics in Korean Coastal Waters. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 12188-12197	10.3	123
173	Styrofoam Debris as a Source of Hazardous Additives for Marine Organisms. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 4951-60	10.3	119
172	Qualitative Analysis of Additives in Plastic Marine Debris and Its New Products. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2015</b> , 69, 352-66	3.2	117
171	Abundance, composition, and distribution of microplastics larger than 20 $\mu$ m in sand beaches of South Korea. <i>Environmental Pollution</i> , <b>2018</b> , 238, 894-902	9.3	103
170	Microplastics as a vector of hydrophobic contaminants: Importance of hydrophobic additives. <i>Integrated Environmental Assessment and Management</i> , <b>2017</b> , 13, 494-499	2.5	96
169	Nationwide monitoring of polychlorinated biphenyls and organochlorine pesticides in sediments from coastal environment of Korea. <i>Chemosphere</i> , <b>2006</b> , 64, 1479-88	8.4	96
168	Geographical distribution and accumulation features of organochlorine residues in bivalves from coastal areas of South Korea. <i>Marine Pollution Bulletin</i> , <b>2002</b> , 45, 268-79	6.7	96
167	Hexabromocyclododecane in polystyrene based consumer products: an evidence of unregulated use. <i>Chemosphere</i> , <b>2014</b> , 110, 111-9	8.4	95
166	Congener-specific survey for polychlorinated biphenyls in sediments of industrialized bays in Korea: regional characteristics and pollution sources. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 7380-8	10.3	95
165	Abundance and Distribution Characteristics of Microplastics in Surface Seawaters of the Incheon/Kyeonggi Coastal Region. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2015</b> , 69, 269-78	3.2	94
164	Fingerprint and weathering characteristics of stranded oils after the Hebei Spirit oil spill. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 197, 60-9	12.8	94
163	Oil spill environmental forensics: the Hebei Spirit oil spill case. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 6431-7	10.3	93
162	Microplastics in the Ocean. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2015</b> , 69, 265-8	3.2	92
161	Distribution and characteristics of PAHs in sediments from the marine environment of Korea. <i>Chemosphere</i> , <b>2007</b> , 68, 85-92	8.4	88
160	Geologically distinct crude oils cause a common cardiotoxicity syndrome in developing zebrafish. <i>Chemosphere</i> , <b>2013</b> , 91, 1146-55	8.4	86
159	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> , <b>2017</b> , 231, 785-794	9.3	86
158	Hebei Spirit oil spill monitored on site by fluorometric detection of residual oil in coastal waters off Taean, Korea. <i>Marine Pollution Bulletin</i> , <b>2010</b> , 60, 383-9	6.7	86
157	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> , <b>2000</b> , 49, 435-51	3.3	84

156	Distribution and Size Relationships of Plastic Marine Debris on Beaches in South Korea. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2015</b> , 69, 288-98	3.2	79
155	Two years after the Hebei Spirit oil spill: residual crude-derived hydrocarbons and potential AhR-mediated activities in coastal sediments. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 1406-14	10.3	74
154	Benzotriazole-type ultraviolet stabilizers and antioxidants in plastic marine debris and their new products. <i>Science of the Total Environment</i> , <b>2017</b> , 579, 745-754	10.2	72
153	Biomarker responses in pelagic and benthic fish over 1 year following the Hebei Spirit oil spill (Taean, Korea). <i>Marine Pollution Bulletin</i> , <b>2011</b> , 62, 1859-66	6.7	70
152	Temporal trend, spatial distribution, and terrestrial sources of PBDEs and PCBs in Masan Bay, Korea. <i>Marine Pollution Bulletin</i> , <b>2010</b> , 60, 1836-41	6.7	67
151	Distribution characteristics of nonylphenolic chemicals in Masan Bay environments, Korea. <i>Chemosphere</i> , <b>2008</b> , 71, 1162-72	8.4	66
150	Persistent organochlorine residues in estuarine and marine sediments from Ha Long Bay, Hai Phong Bay, and Ba Lat Estuary, Vietnam. <i>Chemosphere</i> , <b>2008</b> , 72, 1193-202	8.4	63
149	Seasonal flux of nonylphenol in Han River, Korea. <i>Chemosphere</i> , <b>2004</b> , 56, 1-6	8.4	63
148	Accumulation of tributyl- and triphenyltin compounds in Pacific oyster, <i>Crassostrea gigas</i> , from the Chinhae Bay System, Korea. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1998</b> , 35, 41-7	3.2	62
147	Impacts of marine debris on wild animals in the coastal area of Korea. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 66, 117-24	6.7	61
146	First characterisation of the populations and immune-related activities of hemocytes from two edible gastropod species, the disk abalone, <i>Haliotis discus discus</i> and the spiny top shell, <i>Turbo cornutus</i> . <i>Fish and Shellfish Immunology</i> , <b>2010</b> , 28, 87-97	4.3	61
145	Heavy metal-induced differential gene expression of metallothionein in Javanese medaka, <i>Oryzias javanicus</i> . <i>Marine Biotechnology</i> , <b>2006</b> , 8, 654-62	3.4	60
144	A close relationship between microplastic contamination and coastal area use pattern. <i>Water Research</i> , <b>2020</b> , 171, 115400	12.5	60
143	Sources of plastic marine debris on beaches of Korea: More from the ocean than the land. <i>Ocean Science Journal</i> , <b>2014</b> , 49, 151-162	1.1	59
142	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> , <b>2015</b> , 505, 290-8	10.2	58
141	Genotoxicity and endocrine-disruption potentials of sediment near an oil spill site: two years after the Hebei Spirit oil spill. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 7481-8	10.3	57
140	Survey on organochlorine pesticides, PCDD/Fs, dioxin-like PCBs and HCB in sediments from the Han river, Korea. <i>Chemosphere</i> , <b>2009</b> , 75, 580-587	8.4	57
139	Horizontal distribution of butyltins in surface sediments from an enclosed bay system, Korea. <i>Environmental Pollution</i> , <b>1999</b> , 106, 351-7	9.3	57

138	Potential Threat of Microplastics to Zooplanktivores in the Surface Waters of the Southern Sea of Korea. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2015</b> , 69, 340-51	3.2	56
137	Levels of persistent organochlorine contaminants in fish from Korea and their potential health risk. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2005</b> , 48, 358-66	3.2	55
136	PCDD/F, PBDE, and nonylphenol contamination in a semi-enclosed bay (Masan Bay, South Korea) and a Mediterranean lagoon (Thau, France). <i>Chemosphere</i> , <b>2009</b> , 77, 854-62	8.4	52
135	An interlaboratory comparison exercise for the determination of microplastics in standard sample bottles. <i>Marine Pollution Bulletin</i> , <b>2019</b> , 146, 831-837	6.7	51
134	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> , <b>2013</b> , 47, 758-68	12.5	51
133	Assessment of TBT and organic booster biocide contamination in seawater from coastal areas of South Korea. <i>Marine Pollution Bulletin</i> , <b>2014</b> , 78, 201-8	6.7	50
132	Rapid Production of Micro- and Nanoplastics by Fragmentation of Expanded Polystyrene Exposed to Sunlight. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 11191-11200	10.3	50
131	Microplastic contamination of table salts from Taiwan, including a global review. <i>Scientific Reports</i> , <b>2019</b> , 9, 10145	4.9	47
130	The comparison of naturally weathered oil and artificially photo-degraded oil at the molecular level by a combination of SARA fractionation and FT-ICR MS. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 263 Pt 2, 404-11	12.8	45
129	Differential Toxicokinetics Determines the Sensitivity of Two Marine Embryonic Fish Exposed to Iranian Heavy Crude Oil. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13639-48	10.3	43
128	Acute and chronic toxicity study of the water accommodated fraction (WAF), chemically enhanced WAF (CEWAF) of crude oil and dispersant in the rock pool copepod <i>Tigriopus japonicus</i> . <i>Chemosphere</i> , <b>2013</b> , 92, 1161-8	8.4	43
127	Accumulation of butyl- and phenyltin compounds in starfish and bivalves from the coastal environment of Korea. <i>Environmental Pollution</i> , <b>2005</b> , 133, 489-99	9.3	43
126	A practical review on photooxidation of crude oil: laboratory lamp setup and factors affecting it. <i>Water Research</i> , <b>2015</b> , 68, 304-15	12.5	42
125	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> , <b>2021</b> , 270, 116217	9.3	42
124	Formation of microplastics by polychaetes ( <i>Marphysa sanguinea</i> ) inhabiting expanded polystyrene marine debris. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 131, 365-369	6.7	41
123	Stronger impact of dispersant plus crude oil on natural plankton assemblages in short-term marine mesocosms. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 217-218, 338-49	12.8	41
122	AhR-mediated potency of sediments and soils in estuarine and coastal areas of the Yellow Sea region: a comparison between Korea and China. <i>Environmental Pollution</i> , <b>2012</b> , 171, 216-25	9.3	41
121	Releasing of hexabromocyclododecanes from expanded polystyrenes in seawater -field and laboratory experiments. <i>Chemosphere</i> , <b>2017</b> , 185, 798-805	8.4	40

120	Effect-directed analysis and mixture effects of AhR-active PAHs in crude oil and coastal sediments contaminated by the Hebei Spirit oil spill. <i>Environmental Pollution</i> , <b>2015</b> , 199, 110-8	9.3	39
119	Distribution of butyltins and alternative antifouling biocides in sediments from shipping and shipbuilding areas in South Korea. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 95, 484-90	6.7	38
118	Assessment of butyl- and phenyltin pollution in the coastal environment of Korea using mussels and oysters. <i>Marine Pollution Bulletin</i> , <b>2005</b> , 51, 922-31	6.7	37
117	Oil-suspended particulate matter aggregates: Formation mechanism and fate in the marine environment. <i>Ocean Science Journal</i> , <b>2014</b> , 49, 329-341	1.1	36
116	Horizontal and vertical distribution of butyltin compounds in sediments from shipyards in Korea. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2002</b> , 43, 277-83	3.2	35
115	Source- and region-specific distribution of polycyclic aromatic hydrocarbons in sediments from Jinhae Bay, Korea. <i>Science of the Total Environment</i> , <b>2014</b> , 470-471, 1485-93	10.2	34
114	Naphthenic acids in coastal sediments after the Hebei Spirit oil spill: a potential indicator for oil contamination. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 4153-62	10.3	34
113	Prediction of ecotoxicity of heavy crude oil: contribution of measured components. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 2962-70	10.3	34
112	Environmental and ecological effects and recoveries after five years of the Hebei Spirit oil spill, Taean, Korea. <i>Ocean and Coastal Management</i> , <b>2014</b> , 102, 522-532	3.9	34
111	Monitoring toxicity of polycyclic aromatic hydrocarbons in intertidal sediments for five years after the Hebei Spirit oil spill in Taean, Republic of Korea. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 76, 241-9	6.7	34
110	A survey of polychlorinated dibenzo-p-dioxins and furans in Korean seafood-a congener-specific approach. <i>Marine Pollution Bulletin</i> , <b>2005</b> , 50, 1121-7	6.7	34
109	Hard/soft heterometallic network complex of a macrocycle with endo/exocyclic coordination. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 10241-3	5.1	33
108	Effects of crude oil on marine microbial communities in short term outdoor microcosms. <i>Journal of Microbiology</i> , <b>2010</b> , 48, 594-600	3	33
107	eDNA-based bioassessment of coastal sediments impacted by an oil spill. <i>Environmental Pollution</i> , <b>2018</b> , 238, 739-748	9.3	32
106	Venting sites along the Fonualei and Northeast Lau Spreading Centers and evidence of hydrothermal activity at an off-axis caldera in the northeastern Lau Basin. <i>Geochemical Journal</i> , <b>2009</b> , 43, 1-13	0.9	31
105	Bioaccessibility of AhR-active PAHs in sediments contaminated by the Hebei Spirit oil spill: Application of Tenax extraction in effect-directed analysis. <i>Chemosphere</i> , <b>2016</b> , 144, 706-12	8.4	30
104	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> , <b>2014</b> , 470-471, 1463-70	10.2	30
103	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> , <b>2014</b> , 86, 547-554	6.7	30



102	Expression of three novel cytochrome P450 (CYP) and antioxidative genes from the polychaete, <i>Perinereis nuntia</i> exposed to water accommodated fraction (WAF) of Iranian crude oil and benzo[a]pyrene. <i>Marine Environmental Research</i> , <b>2013</b> , 90, 75-84	3.3	30
101	Assessment of pollution and ecological risk of heavy metals in the surface sediments of Ulsan Bay, Korea. <i>Ocean Science Journal</i> , <b>2014</b> , 49, 279-289	1.1	30
100	Initial impacts of the Hebei Spirit oil spill on the sandy beach macrobenthic community west coast of Korea. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 70, 189-96	6.7	29
99	Three decades of TBT contamination in sediments around a large scale shipyard. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 192, 634-42	12.8	29
98	Spatial and vertical distributions of sedimentary halogenated polycyclic aromatic hydrocarbons in moderately polluted areas of Asia. <i>Environmental Pollution</i> , <b>2015</b> , 196, 331-40	9.3	28
97	Endocrine disrupting potential of PAHs and their alkylated analogues associated with oil spills. <i>Environmental Sciences: Processes and Impacts</i> , <b>2017</b> , 19, 1117-1125	4.3	28
96	Spatial variability of biochemical responses in resident fish after the M/V Hebei Spirit Oil Spill (Taeon, Korea). <i>Ocean Science Journal</i> , <b>2012</b> , 47, 209-214	1.1	28
95	Nationwide monitoring of microplastics in bivalves from the coastal environment of Korea. <i>Environmental Pollution</i> , <b>2021</b> , 270, 116175	9.3	28
94	Measured and predicted affinities of binding and relative potencies to activate the AhR of PAHs and their alkylated analogues. <i>Chemosphere</i> , <b>2015</b> , 139, 23-9	8.4	27
93	Structure-dependent degradation of polar compounds in weathered oils observed by atmospheric pressure photo-ionization hydrogen/deuterium exchange ultrahigh resolution mass spectrometry. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 296, 93-100	12.8	27
92	Characteristics of meso-sized plastic marine debris on 20 beaches in Korea. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 123, 92-96	6.7	27
91	Phytotoxic effects of antifouling compounds on nontarget plant species. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2003</b> , 71, 881-6	2.7	26
90	Seasonal and spatial distribution of nonylphenol and IBP in Saemangeum Bay, Korea. <i>Marine Pollution Bulletin</i> , <b>2005</b> , 51, 966-74	6.7	26
89	Distribution of persistent organic pollutants in bivalves from the northeast coast of China. <i>Marine Pollution Bulletin</i> , <b>2008</b> , 57, 775-81	6.7	24
88	Application of pressurized fluid extraction technique in the gas chromatography-mass spectrometry determination of sterols from marine sediment samples. <i>Journal of Chromatography A</i> , <b>2007</b> , 1160, 64-70	4.5	24
87	A congener-specific survey for polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) contamination in Masan Bay, Korea. <i>Chemosphere</i> , <b>2007</b> , 68, 1613-22	8.4	24
86	Finding solutions for the styrofoam buoy debris problem through participatory workshops. <i>Marine Policy</i> , <b>2015</b> , 51, 182-189	3.5	23
85	Temporal and geographical trends in the genotoxic effects of marine sediments after accidental oil spill on the blood cells of striped beakperch ( <i>Oplegnathus fasciatus</i> ). <i>Marine Pollution Bulletin</i> , <b>2011</b> , 62, 2264-8	6.7	23

84	Biochemical changes in rockfish, <i>Sebastes schlegeli</i> , exposed to dispersed crude oil. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2009</b> , 150, 218-23	3.2	23
83	Assessment of tributyltin contamination in a shipyard area using a mussel transplantation approach. <i>Marine Pollution Bulletin</i> , <b>2008</b> , 57, 883-8	6.7	21
82	Improved cleanup technique for gas chromatographic-mass spectrometric determination of alkylphenols from biota extract. <i>Journal of Chromatography A</i> , <b>2007</b> , 1171, 15-21	4.5	21
81	Thyroid Hormone Disruption by Water-Accommodated Fractions of Crude Oil and Sediments Affected by the Hebei Spirit Oil Spill in Zebrafish and GH3 Cells. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 5972-80	10.3	21
80	Biomarker responses in caged rockfish ( <i>Sebastes schlegeli</i> ) from Masan Bay and Haegeumgang, South Korea. <i>Marine Pollution Bulletin</i> , <b>2008</b> , 57, 599-606	6.7	20
79	Human Exposure to Dioxin-Like Compounds in Fish and Shellfish Consumed in South Korea. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2007</b> , 13, 223-235	4.9	20
78	Characterization of the contribution of road deposited sediments to the contamination of the close marine environment with trace metals: Case of the port city of Busan (South Korea). <i>Marine Pollution Bulletin</i> , <b>2020</b> , 161, 111717	6.7	20
77	Spatial distribution of microplastic in the surface waters along the coast of Korea. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 155, 110729	6.7	19
76	Chemical tracers, sterol biomarkers and satellite imagery in the study of a river plume ecosystem in the Yellow Sea. <i>Continental Shelf Research</i> , <b>2012</b> , 33, 29-36	2.4	19
75	Nonylphenol in bivalves and sediments in the northeast coast of China. <i>Journal of Environmental Sciences</i> , <b>2010</b> , 22, 1735-40	6.4	19
74	A preliminary report of persistent organochlorine pollutants in the Yellow Sea. <i>Marine Pollution Bulletin</i> , <b>2005</b> , 50, 217-22	6.7	19
73	Marine Microplastics: Abundance, Distribution, and Composition <b>2018</b> , 1-26		19
72	Characterization of cholinesterases in marbled sole, <i>Limanda yokohamae</i> , and their inhibition in vitro by the fungicide iprobenfos. <i>Marine Environmental Research</i> , <b>2007</b> , 63, 471-8	3.3	18
71	Corrections to "Combined Effects of UV Exposure Duration and Mechanical Abrasion on Microplastic Fragmentation by Polymer Type". <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 3831-3832	10.3	17
70	Evaluation of biomarker potential of cytochrome P450 1A (CYP1A) gene in the marine medaka, <i>Oryzias melastigma</i> exposed to water-accommodated fractions (WAFs) of Iranian crude oil. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2013</b> , 157, 172-82	3.2	17
69	Particle-size distribution of polycyclic aromatic hydrocarbons in urban road dust of Masan, Korea. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2012</b> , 63, 189-98	3.2	17
68	Tracing origins of sewage and organic matter using dissolved sterols in Masan and Haengam Bay, Korea. <i>Ocean Science Journal</i> , <b>2011</b> , 46, 95-103	1.1	16
67	Optimization and application of atmospheric pressure chemical and photoionization hydrogen-deuterium exchange mass spectrometry for speciation of oxygen-containing compounds. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 3281-93	4.4	15



66	Multiple in vitro bioassay approach in sediment toxicity evaluation: Masan Bay, Korea. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2012</b> , 89, 32-7	2.7	15
65	Interrelationship of Pyrogenic Polycyclic Aromatic Hydrocarbon (PAH) Contamination in Different Environmental Media. <i>Sensors</i> , <b>2009</b> , 9, 9582-602	3.8	15
64	Molecular cloning of vitellogenin cDNA in rockfish ( <i>Sebastes schlegeli</i> ) and effects of 2,2',4,4',5,5'-hexachlorobiphenyl (PCB 153) on its gene expression. <i>Marine Pollution Bulletin</i> , <b>2005</b> , 51, 794-800	6.7	15
63	Isotopic dilution determination of emerging flame retardants in marine sediments by HPLC-APCI-MS/MS. <i>Analytical Methods</i> , <b>2013</b> , 5, 1771	3.2	14
62	Long-Term Monitoring of PAH Contamination in Sediment and Recovery After the Hebei Spirit Oil Spill. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2017</b> , 73, 93-102	3.2	14
61	Molecular characterization, expression, and functional analysis of two thioredoxins in the black rockfish ( <i>Sebastes schlegelii</i> ). <i>Fish and Shellfish Immunology</i> , <b>2012</b> , 32, 808-15	4.3	14
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