

Jong Seong Khim

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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.

235
papers

6,202
citations

42
h-index

69
g-index

252
ext. papers

7,238
ext. citations

6.4
avg, IF

5.81
L-index

#	Paper	IF	Citations
235	Characterization and Distribution of Trace Organic Contaminants in Sediment from Masan Bay, Korea. 1. Instrumental Analysis. <i>Environmental Science & Technology</i> , 1999 , 33, 4199-4205	10.3	205
234	Perfluorinated compounds in water, sediment, soil and biota from estuarine and coastal areas of Korea. <i>Environmental Pollution</i> , 2010 , 158, 1237-44	9.3	201
233	Relative potencies of individual polychlorinated naphthalenes to induce dioxin-like responses in fish and mammalian in vitro bioassays. <i>Archives of Environmental Contamination and Toxicology</i> , 2000 , 39, 273-81	3.2	192
232	Endocrine disruption and consequences of chronic exposure to ibuprofen in Japanese medaka (<i>Oryzias latipes</i>) and freshwater cladocerans <i>Daphnia magna</i> and <i>Moina macrocopa</i> . <i>Aquatic Toxicology</i> , 2010 , 98, 256-264	5.1	184
231	Relative potencies of individual polycyclic aromatic hydrocarbons to induce dioxinlike and estrogenic responses in three cell lines. <i>Environmental Toxicology</i> , 2002 , 17, 128-37	4.2	169
230	A review of sources, multimedia distribution and health risks of perfluoroalkyl acids (PFAAs) in China. <i>Chemosphere</i> , 2015 , 129, 87-99	8.4	156
229	Hydroxylated polybrominated diphenyl ethers and bisphenol A in pregnant women and their matching fetuses: placental transfer and potential risks. <i>Environmental Science & Technology</i> , 2010 , 44, 5233-9	10.3	133
228	Polychlorinated dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), biphenyls (PCBs), and polycyclic aromatic hydrocarbons (PAHs) and 2,3,7,8-TCDD equivalents (TEQs) in sediment from the Hyeongsan River, Korea. <i>Environmental Pollution</i> , 2004 , 132, 489-501	9.3	126
227	Polychlorinated Naphthalenes and Polychlorinated Biphenyls in Fishes from Michigan Waters Including the Great Lakes. <i>Environmental Science & Technology</i> , 2000 , 34, 566-572	10.3	122
226	Perfluorinated compounds in streams of the Shihwa Industrial Zone and Lake Shihwa, South Korea. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 2374-80	3.8	120
225	Trace organic contaminants in sediment and water from Ulsan Bay and its vicinity, Korea. <i>Archives of Environmental Contamination and Toxicology</i> , 2001 , 40, 141-50	3.2	120
224	Aquatic toxicology of perfluorinated chemicals. <i>Reviews of Environmental Contamination and Toxicology</i> , 2010 , 202, 1-52	3.5	112
223	Perfluorinated compounds in surface waters from Northern China: comparison to level of industrialization. <i>Environment International</i> , 2012 , 42, 37-46	12.9	103
222	Ecological risk assessment of arsenic and metals in sediments of coastal areas of northern Bohai and Yellow Seas, China. <i>Ambio</i> , 2010 , 39, 367-75	6.5	102
221	Distributions and bioconcentration characteristics of perfluorinated compounds in environmental samples collected from the west coast of Korea. <i>Chemosphere</i> , 2013 , 90, 387-94	8.4	100
220	Biosurfactant-assisted bioremediation of crude oil by indigenous bacteria isolated from Taean beach sediment. <i>Environmental Pollution</i> , 2018 , 241, 254-264	9.3	87
219	Perfluorinated compounds in estuarine and coastal areas of north Bohai Sea, China. <i>Marine Pollution Bulletin</i> , 2011 , 62, 1905-14	6.7	83

218	Relative potencies of individual chlorinated and brominated polycyclic aromatic hydrocarbons for induction of aryl hydrocarbon receptor-mediated responses. <i>Environmental Science & Technology</i> , 2009 , 43, 2159-65	10.3	83
217	. <i>Environmental Toxicology and Chemistry</i> , 1999 , 18, 2424	3.8	79
216	Alkylphenols, polycyclic aromatic hydrocarbons, and organochlorines in sediment from Lake Shihwa, Korea: Instrumental and bioanalytical characterization. <i>Environmental Toxicology and Chemistry</i> , 1999 , 18, 2424-2432	3.8	77
215	Two years after the Hebei Spirit oil spill: residual crude-derived hydrocarbons and potential AhR-mediated activities in coastal sediments. <i>Environmental Science & Technology</i> , 2012 , 46, 1406-14	10.3	74
214	Characterization and Distribution of Trace Organic Contaminants in Sediment from Masan Bay, Korea. 2. In Vitro Gene Expression Assays. <i>Environmental Science & Technology</i> , 1999 , 33, 4206-4211	10.3	74
213	Microbial community composition and PAHs removal potential of indigenous bacteria in oil contaminated sediment of Taean coast, Korea. <i>Environmental Pollution</i> , 2018 , 234, 503-512	9.3	73
212	The Blue Economy and the United Nations' sustainable development goals: Challenges and opportunities. <i>Environment International</i> , 2020 , 137, 105528	12.9	71
211	Characterization of trace organic contaminants in marine sediment from Yeongil Bay, Korea: 1. Instrumental analyses. <i>Environmental Pollution</i> , 2006 , 142, 39-47	9.3	69
210	Bioaccumulation characteristics of perfluoroalkyl acids (PFAAs) in coastal organisms from the west coast of South Korea. <i>Chemosphere</i> , 2015 , 129, 157-63	8.4	66
209	In situ fate and partitioning of waterborne perfluoroalkyl acids (PFAAs) in the Youngsan and Nakdong River Estuaries of South Korea. <i>Science of the Total Environment</i> , 2013 , 445-446, 136-45	10.2	65
208	The impact of heavy metal pollution gradients in sediments on benthic macrofauna at population and community levels. <i>Environmental Pollution</i> , 2011 , 159, 2622-9	9.3	65
207	Ecological risk assessment of heavy metals in sediments and water from the coastal areas of the Bohai Sea and the Yellow Sea. <i>Environment International</i> , 2020 , 136, 105512	12.9	63
206	The Korean tidal flat of the Yellow Sea: Physical setting, ecosystem and management. <i>Ocean and Coastal Management</i> , 2014 , 102, 398-414	3.9	62
205	Historical trends of inorganic and organic fluorine in sediments of Lake Michigan. <i>Chemosphere</i> , 2014 , 114, 203-9	8.4	61
204	Genotoxicity and endocrine-disruption potentials of sediment near an oil spill site: two years after the Hebei Spirit oil spill. <i>Environmental Science & Technology</i> , 2011 , 45, 7481-8	10.3	57
203	Perfluoroalkyl acids in marine organisms from Lake Shihwa, Korea. <i>Archives of Environmental Contamination and Toxicology</i> , 2009 , 57, 552-60	3.2	57
202	Traditional and new POPs in environments along the Bohai and Yellow Seas: An overview of China and South Korea. <i>Chemosphere</i> , 2017 , 169, 503-515	8.4	56
201	Perfluorinated compounds in water, sediment and soil from Guanting Reservoir, China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011 , 87, 74-9	2.7	55

200	Analysis of trace organic contaminants in sediment, pore water, and water samples from Onsan Bay, Korea: Instrumental analysis and in vitro gene expression assay. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 1796-1803	3.8	52
199	Environmental and ecological effects of Lake Shihwa reclamation project in South Korea: A review. <i>Ocean and Coastal Management</i> , 2014 , 102, 545-558	3.9	51
198	Effects of sulfathiazole, oxytetracycline and chlortetracycline on steroidogenesis in the human adrenocarcinoma (H295R) cell line and freshwater fish <i>Oryzias latipes</i> . <i>Journal of Hazardous Materials</i> , 2010 , 182, 494-502	12.8	51
197	Instrumental and bioanalytical measures of dioxin-like and estrogenic compounds and activities associated with sediment from the Korean coast. <i>Ecotoxicology and Environmental Safety</i> , 2005 , 61, 366-79	7.9	51
196	Anthropogenic impacts on the contamination of pharmaceuticals and personal care products (PPCPs) in the coastal environments of the Yellow and Bohai seas. <i>Environment International</i> , 2020 , 135, 105306	12.9	51
195	Tidal resuspension of microphytobenthic chlorophyll a in a Nanaura mudflat, Saga, Ariake Sea, Japan: flood?ebb and spring?neap variations. <i>Marine Ecology - Progress Series</i> , 2006 , 312, 85-100	2.6	49
194	PAHs in surface sediments from coastal and estuarine areas of the northern Bohai and Yellow Seas, China. <i>Environmental Geochemistry and Health</i> , 2012 , 34, 445-56	4.7	44
193	Are styrene oligomers in coastal sediments of an industrial area aryl hydrocarbon-receptor agonists?. <i>Environmental Pollution</i> , 2016 , 213, 913-921	9.3	42
192	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> , 2012 , 171, 216-25	9.3	41
191	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> , 2015 , 199, 110-8	9.3	39
190	Accumulation and ecological risk of heavy metals in soils along the coastal areas of the Bohai Sea and the Yellow Sea: A comparative study of China and South Korea. <i>Environment International</i> , 2020 , 137, 105519	12.9	38
189	HCH and DDT in sediments from marine and adjacent riverine areas of North Bohai Sea, China. <i>Archives of Environmental Contamination and Toxicology</i> , 2010 , 59, 71-9	3.2	38
188	In vitro response of fish and mammalian cells to complex mixtures of polychlorinated naphthalenes, polychlorinated biphenyls, and polycyclic aromatic hydrocarbons. <i>Aquatic Toxicology</i> , 2001 , 54, 125-41	5.1	37
187	Improved water quality in response to pollution control measures at Masan Bay, Korea. <i>Marine Pollution Bulletin</i> , 2012 , 64, 427-35	6.7	36
186	Contribution of synthetic and naturally occurring organobromine compounds to bromine mass in marine organisms. <i>Environmental Science & Technology</i> , 2010 , 44, 6068-73	10.3	36
185	Species- and tissue-specific bioaccumulation of arsenicals in various aquatic organisms from a highly industrialized area in the Pohang City, Korea. <i>Environmental Pollution</i> , 2014 , 192, 27-35	9.3	35
184	Revised relative potency values for PCDDs, PCDFs, and non-ortho-substituted PCBs for the optimized H4IIIE-luc in vitro bioassay. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 8590-9	5.1	35
183	In vitro bioassay determination of dioxin-like and estrogenic activity in sediment and water from Ulsan Bay and its vicinity, Korea. <i>Archives of Environmental Contamination and Toxicology</i> , 2001 , 40, 151-60	3.2	35

182	Analysis of forty years long changes in coastal land use and land cover of the Yellow Sea: The gains or losses in ecosystem services. <i>Environmental Pollution</i> , 2018 , 241, 74-84	9.3	35
181	Naphthenic acids in coastal sediments after the Hebei Spirit oil spill: a potential indicator for oil contamination. <i>Environmental Science & Technology</i> , 2014 , 48, 4153-62	10.3	34
180	Assessment of trace pollutants in Korean coastal sediments using the triad approach: a review. <i>Science of the Total Environment</i> , 2014 , 470-471, 1450-62	10.2	34
179	Environmental and ecological effects and recoveries after five years of the Hebei Spirit oil spill, Taean, Korea. <i>Ocean and Coastal Management</i> , 2014 , 102, 522-532	3.9	34
178	Perfluorinated compounds in a coastal industrial area of Tianjin, China. <i>Environmental Geochemistry and Health</i> , 2012 , 34, 301-11	4.7	34
177	Instrumental and bioanalytical measures of persistent organochlorines in blue mussel (<i>Mytilus edulis</i>) from Korean coastal waters. <i>Archives of Environmental Contamination and Toxicology</i> , 2000 , 39, 360-8	3.2	34
176	eDNA-based bioassessment of coastal sediments impacted by an oil spill. <i>Environmental Pollution</i> , 2018 , 238, 739-748	9.3	32
175	Sources and distribution of polychlorinated-dibenzo-p-dioxins and -dibenzofurans in soil and sediment from the Yellow Sea region of China and Korea. <i>Environmental Pollution</i> , 2011 , 159, 907-17	9.3	32
174	Perfluorinated compounds in water and sediment from coastal regions of the northern Bohai Sea, China. <i>Chemistry and Ecology</i> , 2011 , 27, 165-176	2.3	31
173	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> , 2016 , 144, 706-12	8.4	30
172	Bioaccumulation of polychlorinated dibenzo-p-dioxins, dibenzofurans, and dioxin-like polychlorinated biphenyls in fishes from the Tittabawassee and Saginaw Rivers, Michigan, USA. <i>Science of the Total Environment</i> , 2010 , 408, 2394-401	10.2	30
171	Remote sensing and water quality indicators in the Korean West coast: Spatio-temporal structures of MODIS-derived chlorophyll-a and total suspended solids. <i>Marine Pollution Bulletin</i> , 2017 , 121, 425-434	6.7	29
170	Within-day and seasonal patterns of microphytobenthos biomass determined by co-measurement of sediment and water column chlorophylls in the intertidal mudflat of Nanaura, Saga, Ariake Sea, Japan. <i>Estuarine, Coastal and Shelf Science</i> , 2007 , 72, 42-52	2.9	29
169	The Saemangeum tidal flat: Long-term environmental and ecological changes in marine benthic flora and fauna in relation to the embankment. <i>Ocean and Coastal Management</i> , 2014 , 102, 559-571	3.9	28
168	Endocrine disrupting potential of PAHs and their alkylated analogues associated with oil spills. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 1117-1125	4.3	28
167	Long-term changes in distributions of dioxin-like and estrogenic compounds in sediments of Lake Sihwa, Korea: Revisited mass balance. <i>Chemosphere</i> , 2017 , 181, 767-777	8.4	27
166	Measured and predicted affinities of binding and relative potencies to activate the AhR of PAHs and their alkylated analogues. <i>Chemosphere</i> , 2015 , 139, 23-9	8.4	27
165	Large-scale monitoring and assessment of metal contamination in surface water of the Selenga River Basin (2007-2009). <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2856-67	5.1	27

164	Importance of accurate trophic level determination by nitrogen isotope of amino acids for trophic magnification studies: A review. <i>Environmental Pollution</i> , 2018 , 238, 677-690	9.3	26
163	Receptor-mediated in vitro bioassay for characterization of Ah-R-active compounds and activities in sediment from Korea. <i>Chemosphere</i> , 2006 , 62, 1261-71	8.4	26
162	The morphology and molecular phylogenetics of some marine diatom taxa within the Fragilariaceae, including twenty undescribed species and their relationship to Nanofrustulum, Opephora and Pseudostaurosira. <i>Phyotaxa</i> , 2018 , 355, 1	0.7	25
161	Mercury in coastal watersheds along the Chinese Northern Bohai and Yellow Seas. <i>Journal of Hazardous Materials</i> , 2012 , 215-216, 199-207	12.8	25
160	Newly Identified AhR-Active Compounds in the Sediments of an Industrial Area Using Effect-Directed Analysis. <i>Environmental Science & Technology</i> , 2019 , 53, 10043-10052	10.3	24
159	Environmentally associated spatial changes of a macrozoobenthic community in the Saemangeum tidal flat, Korea. <i>Journal of Sea Research</i> , 2011 , 65, 390-400	1.9	24
158	Importance of functional diversity in assessing the recovery of the microbial community after the Hebei Spirit oil spill in Korea. <i>Environment International</i> , 2019 , 128, 89-94	12.9	23
157	Environmental Impacts and Recovery After the Hebei Spirit Oil Spill in Korea. <i>Archives of Environmental Contamination and Toxicology</i> , 2017 , 73, 47-54	3.2	23
156	Characterization of trace organic contaminants in marine sediment from Yeongil Bay, Korea: 2. Dioxin-like and estrogenic activities. <i>Environmental Pollution</i> , 2006 , 142, 48-57	9.3	23
155	Large-scale monitoring and ecological risk assessment of persistent toxic substances in riverine, estuarine, and coastal sediments of the Yellow and Bohai seas. <i>Environment International</i> , 2020 , 137, 105517	12.9	23
154	Ecogenomic responses of benthic communities under multiple stressors along the marine and adjacent riverine areas of northern Bohai Sea, China. <i>Chemosphere</i> , 2017 , 172, 166-174	8.4	22
153	In vitro and in vivo toxicities of sediment and surface water in an area near a major steel industry of Korea: endocrine disruption, reproduction, or survival effects combined with instrumental analysis. <i>Science of the Total Environment</i> , 2014 , 470-471, 1509-16	10.2	22
152	Effect-directed analysis: Current status and future challenges. <i>Ocean Science Journal</i> , 2016 , 51, 413-433	1.1	22
151	Occurrence, distribution and affecting factors of microplastics in agricultural soils along the lower reaches of Yangtze River, China. <i>Science of the Total Environment</i> , 2021 , 794, 148694	10.2	22
150	Distributions of persistent organic contaminants in sediments and their potential impact on macrobenthic faunal community of the Geum River Estuary and Saemangeum Coast, Korea. <i>Chemosphere</i> , 2017 , 173, 216-226	8.4	21
149	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 & Technology</i> , 2016 , 50, 5972-80	10.3	21
148	Arsenic speciation in water, suspended particles, and coastal organisms from the Taehwa River Estuary of South Korea. <i>Marine Pollution Bulletin</i> , 2016 , 108, 155-62	6.7	20
147	Polycyclic aromatic hydrocarbons in soils along the coastal and estuarine areas of the northern Bohai and Yellow Seas, China. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 8185-95	3.1	20

146	Environmental concentrations and bioaccumulations of cadmium and zinc in coastal watersheds along the Chinese Northern Bohai and Yellow Seas. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 831-40	3.8	20
145	Polychlorinated biphenyls, polycyclic aromatic hydrocarbons and alkylphenols in sediments from the Odra River and its tributaries, Poland. <i>Toxicological and Environmental Chemistry</i> , 2003 , 85, 51-60	1.4	20
144	Natural and anthropogenic signatures on sedimentary organic matters across varying intertidal habitats in the Korean waters. <i>Environment International</i> , 2019 , 133, 105166	12.9	19
143	Assessment of potential biological activities and distributions of endocrine-disrupting chemicals in sediments of the west coast of South Korea. <i>Chemosphere</i> , 2017 , 168, 441-449	8.4	19
142	Hard science is essential to restoring soft-sediment intertidal habitats in burgeoning East Asia. <i>Chemosphere</i> , 2017 , 168, 765-776	8.4	19
141	Arsenic speciation in environmental multimedia samples from the Youngsan River Estuary, Korea: A comparison between freshwater and saltwater. <i>Environmental Pollution</i> , 2018 , 237, 842-850	9.3	19
140	Multiple Bioassays and Targeted and Nontargeted Analyses to Characterize Potential Toxicological Effects Associated with Sediments of Masan Bay: Focusing on AhR-Mediated Potency. <i>Environmental Science & Technology</i> , 2020 , 54, 4443-4454	10.3	18
139	Integrated assessment of persistent toxic substances in sediments from Masan Bay, South Korea: Comparison between 1998 and 2014. <i>Environmental Pollution</i> , 2018 , 238, 317-325	9.3	18
138	Carbon and nitrogen stable isotope signatures linked to anthropogenic toxic substances pollution in a highly industrialized area of South Korea. <i>Marine Pollution Bulletin</i> , 2019 , 144, 152-159	6.7	18
137	Exposure and effects assessment of resident mink (<i>Mustela vison</i>) exposed to polychlorinated dibenzofurans and other dioxin-like compounds in the Tittabawassee River basin, Midland, Michigan, USA. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 2076-87	3.8	18
136	Chapter 2 Emission, Contamination and Exposure, Fate and Transport, and National Management Strategy of Persistent Organic Pollutants in South Korea. <i>Developments in Environmental Science</i> , 2007 , 7, 31-157		18
135	Identification of sources and seasonal variability of organic matter in Lake Sihwa and surrounding inland creeks, South Korea. <i>Chemosphere</i> , 2017 , 177, 109-119	8.4	17
134	Chemical-, site-, and taxa-dependent benthic community health in coastal areas of the Bohai Sea and northern Yellow Sea: A sediment quality triad approach. <i>Science of the Total Environment</i> , 2018 , 645, 743-752	10.2	17
133	Instrumental and bioanalytical measures of dioxin-like compounds and activities in sediments of the Pohang Area, Korea. <i>Science of the Total Environment</i> , 2014 , 470-471, 1517-25	10.2	17
132	Major AhR-active chemicals in sediments of Lake Sihwa, South Korea: Application of effect-directed analysis combined with full-scan screening analysis. <i>Environment International</i> , 2019 , 133, 105199	12.9	16
131	Perfluorinated Compounds in Aquatic Products from Bohai Bay, Tianjin, China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2011 , 17, 1279-1291	4.9	16
130	Distribution characteristics of the fish assemblages to varying environmental conditions in artificial reefs of the Jeju Island, Korea. <i>Marine Pollution Bulletin</i> , 2017 , 118, 388-396	6.7	15
129	Bioaccumulation of Polycyclic Aromatic Hydrocarbons (PAHs) by the Marine Clam, <i>Macra veneriformis</i> , Chronically Exposed to Oil-Suspended Particulate Matter Aggregates. <i>Environmental Science & Technology</i> , 2018 , 52, 7910-7920	10.3	15

128	Microphytobenthos of Korean tidal flats: A review and analysis on floral distribution and tidal dynamics. <i>Ocean and Coastal Management</i> , 2014 , 102, 471-482	3.9	15
127	Seasonal variability of community structure and breeding activity in marine phytoplankton harpacticoid copepods on <i>Ulva pertusa</i> from Pohang, east coast of Korea. <i>Journal of Sea Research</i> , 2010 , 63, 1-10	1.9	15
126	A comparative review and analysis of tentative ecological quality objectives (EcoQOs) for protection of marine environments in Korea and China. <i>Environmental Pollution</i> , 2018 , 242, 2027-2039	9.3	15
125	Seasonal variability of estuarine dynamics due to freshwater discharge and its influence on biological productivity in Yeongsan River Estuary, Korea. <i>Chemosphere</i> , 2017 , 181, 390-399	8.4	14
124	Impacts of environmental and anthropogenic stresses on macrozoobenthic communities in Jinhae Bay, Korea. <i>Chemosphere</i> , 2017 , 171, 681-691	8.4	14
123	Toxicokinetics of 2,3,7,8-TCDF and 2,3,4,7,8-PeCDF in mink (<i>Mustela vison</i>) at ecologically relevant exposures. <i>Toxicological Sciences</i> , 2008 , 105, 33-43	4.4	14
122	Lethal and sub-lethal effects of elevated CO ₂ concentrations on marine benthic invertebrates and fish. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 14945-56	5.1	13
121	Short-term variability of microphytobenthic primary production associated with in situ diel and tidal conditions. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 112, 236-242	2.9	13
120	Spatiotemporal distributions of butyltin compounds in various intertidal organisms along the Samcheok and Tongyeong coasts of Korea. <i>Chemosphere</i> , 2017 , 172, 268-277	8.4	12
119	Towards a multigene phylogeny of the Cymatosiraceae (Bacillariophyta, Mediophyceae) I: novel taxa within the subfamily cymatosiroideae based on molecular and morphological data. <i>Journal of Phycology</i> , 2017 , 53, 342-360	3	12
118	Performance evaluation and validation of ecological indices toward site-specific application for varying benthic conditions in Korean coasts. <i>Science of the Total Environment</i> , 2016 , 541, 1161-1171	10.2	12
117	Organochlorine pesticides (HCHs and DDTs) in soils along the north coastal areas of the Bohai Sea, China. <i>Chemistry and Ecology</i> , 2010 , 26, 339-352	2.3	12
116	Perfluoroalkyl acids in rapidly developing coastal areas of China and South Korea: Spatiotemporal variation and source apportionment. <i>Science of the Total Environment</i> , 2021 , 761, 143297	10.2	12
115	Modulates Glutamate-Nitric Oxide-cGMP and Nrf2/ARE/HO-1 Pathways and Attenuates Oxidative Stress and Hematological Alterations in Hyperammonemic Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 7369671	6.7	11
114	Distribution and bioaccumulation of lead in the coastal watersheds of the Northern Bohai and Yellow Seas in China. <i>Environmental Geochemistry and Health</i> , 2015 , 37, 491-506	4.7	11
113	Designation processes for marine protected areas in the coastal wetlands of South Korea. <i>Ocean and Coastal Management</i> , 2010 , 53, 703-710	3.9	11
112	Rapid recovery of coastal environment and ecosystem to the Hebei Spirit oil spill's impact. <i>Environment International</i> , 2020 , 136, 105438	12.9	11
111	Spatiotemporal variability in microphytobenthic primary production across bare intertidal flat, saltmarsh, and mangrove forest of Asia and Australia. <i>Marine Pollution Bulletin</i> , 2020 , 151, 110707	6.7	11

110	Temporal dynamics and spatial heterogeneity of microalgal biomass in recently reclaimed intertidal flats of the Saemangeum area, Korea. <i>Journal of Sea Research</i> , 2016 , 116, 1-11	1.9	10
109	Rainfall effects on the erodibility of sediment and microphytobenthos in the intertidal flat. <i>Environmental Pollution</i> , 2018 , 242, 2051-2058	9.3	10
108	Multimedia distributions, bioaccumulation, and trophic transfer of microcystins in the Geum River Estuary, Korea: Application of compound-specific isotope analysis of amino acids. <i>Environment International</i> , 2019 , 133, 105194	12.9	10
107	Macrozoobenthos of Korean tidal flats: A review on species assemblages and distribution. <i>Ocean and Coastal Management</i> , 2014 , 102, 483-492	3.9	10
106	The Relationship between Primary Production of Microphytobenthos and Tidal Cycle on the Hwaseong Mudflat, West Coast of Korea. <i>Journal of Coastal Research</i> , 2014 , 298, 1188-1196	0.6	10
105	<i>Gemmobacter lutimaris</i> sp. nov., a marine bacterium isolated from a tidal flat. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019 , 69, 1676-1681	2.2	10
104	Microbial mechanism for enhanced methane emission in deep soil layer of Phragmites-introduced tidal marsh. <i>Environment International</i> , 2020 , 134, 105251	12.9	10
103	Biodiversity hotspot for marine invertebrates around the Dokdo, East Sea, Korea: Ecological checklist revisited. <i>Marine Pollution Bulletin</i> , 2017 , 119, 162-170	6.7	9
102	Occurrence and bioaccumulation of persistent toxic substances in sediments and biota from intertidal zone of Abu Ali Island, Arabian Gulf. <i>Marine Pollution Bulletin</i> , 2019 , 144, 243-252	6.7	9
101	DNA damage caused by organic extracts of contaminated sediment, crude, and weathered oil and their fractions recovered up to 5 years after the 2007 Hebei Spirit oil spill off Korea. <i>Marine Pollution Bulletin</i> , 2015 , 95, 452-7	6.7	9
100	Characterization of endocrine disruption potentials of coastal sediments of Taean, Korea employing H295R and MVLN assays-Reconnaissance at 5years after Hebei Spirit oil spill. <i>Marine Pollution Bulletin</i> , 2018 , 127, 264-272	6.7	9
99	Development of temperature-based algorithms for the estimation of microphytobenthic primary production in a tidal flat: A case study in Daebu mudflat, Korea. <i>Environmental Pollution</i> , 2018 , 241, 115-123	9.3	9
98	Anthropogenic influences on benthic food web dynamics by interrupted freshwater discharge in a closed Geum River estuary, Korea. <i>Environment International</i> , 2019 , 131, 104981	12.9	9
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