List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Endocrine disruption and consequences of chronic exposure to ibuprofen in Japanese medaka (Oryzias) Tj ETQq1 98, 256-264.	1 0.7843 1.9	14 rgBT /Ov 234
2	Characterization and Distribution of Trace Organic Contaminants in Sediment from Masan Bay, Korea. 1. Instrumental Analysis. Environmental Science & Technology, 1999, 33, 4199-4205.	4.6	225
3	Perfluorinated compounds in water, sediment, soil and biota from estuarine and coastal areas of Korea. Environmental Pollution, 2010, 158, 1237-1244.	3.7	218
4	Relative Potencies of Individual Polychlorinated Naphthalenes to Induce Dioxin-Like Responses in Fish and Mammalian In Vitro Bioassays. Archives of Environmental Contamination and Toxicology, 2000, 39, 273-281.	2.1	216
5	A review of sources, multimedia distribution and health risks of perfluoroalkyl acids (PFAAs) in China. Chemosphere, 2015, 129, 87-99.	4.2	207
6	Relative potencies of individual polycyclic aromatic hydrocarbons to induce dioxinlike and estrogenic responses in three cell lines. Environmental Toxicology, 2002, 17, 128-137.	2.1	194
7	The Blue Economy and the United Nations' sustainable development goals: Challenges and opportunities. Environment International, 2020, 137, 105528.	4.8	163
8	Ecological risk assessment of heavy metals in sediments and water from the coastal areas of the Bohai Sea and the Yellow Sea. Environment International, 2020, 136, 105512.	4.8	152
9	Hydroxylated Polybrominated Diphenyl Ethers and Bisphenol A in Pregnant Women and Their Matching Fetuses: Placental Transfer and Potential Risks. Environmental Science & Technology, 2010, 44, 5233-5239.	4.6	143
10	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. Environmental Pollution, 2004, 132, 489-501.	3.7	140
11	PERFLUORINATED COMPOUNDS IN STREAMS OF THE SHIHWA INDUSTRIAL ZONE AND LAKE SHIHWA, SOUTH KOREA. Environmental Toxicology and Chemistry, 2006, 25, 2374.	2.2	135
12	Trace Organic Contaminants in Sediment and Water from Ulsan Bay and Its Vicinity, Korea. Archives of Environmental Contamination and Toxicology, 2001, 40, 141-150.	2.1	134
13	Aquatic Toxicology of Perfluorinated Chemicals. Reviews of Environmental Contamination and Toxicology, 2010, 202, 1-52.	0.7	130
14	Polychlorinated Naphthalenes and Polychlorinated Biphenyls in Fishes from Michigan Waters Including the Great Lakes. Environmental Science & Technology, 2000, 34, 566-572.	4.6	129
15	Biosurfactant-assisted bioremediation of crude oil by indigenous bacteria isolated from Taean beach sediment. Environmental Pollution, 2018, 241, 254-264.	3.7	128
16	Ecological risk assessment of arsenic and metals in sediments of coastal areas of northern Bohai and Yellow Seas, China. Ambio, 2010, 39, 367-375.	2.8	120
17	Perfluorinated compounds in surface waters from Northern China: Comparison to level of industrialization. Environment International, 2012, 42, 37-46.	4.8	120
18	Distributions and bioconcentration characteristics of perfluorinated compounds in environmental samples collected from the west coast of Korea. Chemosphere, 2013, 90, 387-394.	4.2	114

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19	Microbial community composition and PAHs removal potential of indigenous bacteria in oil contaminated sediment of Taean coast, Korea. Environmental Pollution, 2018, 234, 503-512.	3.7	111
20	Occurrence, distribution and affecting factors of microplastics in agricultural soils along the lower reaches of Yangtze River, China. Science of the Total Environment, 2021, 794, 148694.	3.9	105
21	Relative Potencies of Individual Chlorinated and Brominated Polycyclic Aromatic Hydrocarbons for Induction of Aryl Hydrocarbon Receptor-Mediated Responses. Environmental Science & Technology, 2009, 43, 2159-2165.	4.6	101
22	Anthropogenic impacts on the contamination of pharmaceuticals and personal care products (PPCPs) in the coastal environments of the Yellow and Bohai seas. Environment International, 2020, 135, 105306.	4.8	99
23	Perfluorinated compounds in estuarine and coastal areas of north Bohai Sea, China. Marine Pollution Bulletin, 2011, 62, 1905-1914.	2.3	95
24	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. Environment International, 2020, 137, 105519.	4.8	92
25	Bioaccumulation characteristics of perfluoroalkyl acids (PFAAs) in coastal organisms from the west coast of South Korea. Chemosphere, 2015, 129, 157-163.	4.2	89
26	Alkylphenols, polycyclic aromatic hydrocarbons, and organochlorines in sediment from Lake Shihwa, Korea: Instrumental and bioanalytical characterization. Environmental Toxicology and Chemistry, 1999, 18, 2424-2432.	2.2	87
27	The impact of heavy metal pollution gradients in sediments on benthic macrofauna at population and community levels. Environmental Pollution, 2011, 159, 2622-2629.	3.7	86
28	The Korean tidal flat of the Yellow Sea: Physical setting, ecosystem and management. Ocean and Coastal Management, 2014, 102, 398-414.	2.0	85
29	ALKYLPHENOLS, POLYCYCLIC AROMATIC HYDROCARBONS, AND ORGANOCHLORINES IN SEDIMENT FROM LAKE SHIHWA, KOREA:INSTRUMENTAL AND BIOANALYTICAL CHARACTERIZATION. Environmental Toxicology and Chemistry, 1999, 18, 2424.	2.2	83
30	Traditional and new POPs in environments along the Bohai and Yellow Seas: An overview of China and South Korea. Chemosphere, 2017, 169, 503-515.	4.2	82
31	In situ fate and partitioning of waterborne perfluoroalkyl acids (PFAAs) in the Youngsan and Nakdong River Estuaries of South Korea. Science of the Total Environment, 2013, 445-446, 136-145.	3.9	80
32	Characterization and Distribution of Trace Organic Contaminants in Sediment from Masan Bay, Korea. 2. In Vitro Gene Expression Assays. Environmental Science & Technology, 1999, 33, 4206-4211.	4.6	79
33	Two Years after the <i>Hebei Spirit</i> Oil Spill: Residual Crude-Derived Hydrocarbons and Potential AhR-Mediated Activities in Coastal Sediments. Environmental Science & Technology, 2012, 46, 1406-1414.	4.6	77
34	Characterization of trace organic contaminants in marine sediment from Yeongil Bay, Korea: 1. Instrumental analyses. Environmental Pollution, 2006, 142, 39-47.	3.7	74
35	Historical trends of inorganic and organic fluorine in sediments of Lake Michigan. Chemosphere, 2014, 114, 203-209.	4.2	73
36	Perfluorinated Compounds in Water, Sediment and Soil from Guanting Reservoir, China. Bulletin of Environmental Contamination and Toxicology, 2011, 87, 74-79.	1.3	68

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37	Genotoxicity and Endocrine-Disruption Potentials of Sediment near an Oil Spill Site: Two Years after the <i>Hebei Spirit</i> Oil Spill. Environmental Science & Technology, 2011, 45, 7481-7488.	4.6	64
38	Environmental and ecological effects of Lake Shihwa reclamation project in South Korea: A review. Ocean and Coastal Management, 2014, 102, 545-558.	2.0	63
39	Remote sensing and water quality indicators in the Korean West coast: Spatio-temporal structures of MODIS-derived chlorophyll-a and total suspended solids. Marine Pollution Bulletin, 2017, 121, 425-434.	2.3	62
40	Perfluoroalkyl Acids in Marine Organisms from Lake Shihwa, Korea. Archives of Environmental Contamination and Toxicology, 2009, 57, 552-560.	2.1	61
41	Effects of sulfathiazole, oxytetracycline and chlortetracycline on steroidogenesis in the human adrenocarcinoma (H295R) cell line and freshwater fish Oryzias latipes. Journal of Hazardous Materials, 2010, 182, 494-502.	6.5	60
42	Tidal resuspension of microphytobenthic chlorophyll a in a Nanaura mudflat, Saga, Ariake Sea, Japan: flood–ebb and spring–neap variations. Marine Ecology - Progress Series, 2006, 312, 85-100.	0.9	58
43	Analysis of forty years long changes in coastal land use and land cover of the Yellow Sea: The gains or losses in ecosystem services. Environmental Pollution, 2018, 241, 74-84.	3.7	55
44	Analysis of trace organic contaminants in sediment, pore water, and water samples from Onsan Bay, Korea: Instrumental analysis and in vitro gene expression assay. Environmental Toxicology and Chemistry, 2002, 21, 1796-1803.	2.2	54
45	Instrumental and bioanalytical measures of dioxin-like and estrogenic compounds and activities associated with sediment from the Korean coast. Ecotoxicology and Environmental Safety, 2005, 61, 366-379.	2.9	53
46	PAHs in surface sediments from coastal and estuarine areas of the northern Bohai and Yellow Seas, China. Environmental Geochemistry and Health, 2012, 34, 445-456.	1.8	50
47	Are styrene oligomers in coastal sediments of an industrial area aryl hydrocarbon-receptor agonists?. Environmental Pollution, 2016, 213, 913-921.	3.7	49
48	eDNA-based bioassessment of coastal sediments impacted by an oil spill. Environmental Pollution, 2018, 238, 739-748.	3.7	47
49	Newly Identified AhR-Active Compounds in the Sediments of an Industrial Area Using Effect-Directed Analysis. Environmental Science & amp; Technology, 2019, 53, 10043-10052.	4.6	47
50	AhR-mediated potency of sediments and soils in estuarine and coastal areas of the Yellow Sea region: A comparison between Korea and China. Environmental Pollution, 2012, 171, 216-225.	3.7	45
51	Contribution of Synthetic and Naturally Occurring Organobromine Compounds to Bromine Mass in Marine Organisms. Environmental Science & Technology, 2010, 44, 6068-6073.	4.6	43
52	Naphthenic Acids in Coastal Sediments after the <i>Hebei Spirit</i> Oil Spill: A Potential Indicator for Oil Contamination. Environmental Science & Technology, 2014, 48, 4153-4162.	4.6	43
53	Effect-directed analysis and mixture effects of AhR-active PAHs in crude oil and coastal sediments contaminated by the Hebei Spirit oilÂspill. Environmental Pollution, 2015, 199, 110-118.	3.7	43
54	Instrumental and Bioanalytical Measures of Persistent Organochlorines in Blue Mussel ( Mytilus) Tj ETQq0 0 0 rgB	T /Overloo 2.1	ck 10 Tf 50 6 42

39, 360-368.

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#	Article	IF	CITATIONS
55	Environmental and ecological effects and recoveries after five years ofÂthe Hebei Spirit oil spill, Taean, Korea. Ocean and Coastal Management, 2014, 102, 522-532.	2.0	42
56	HCH and DDT in Sediments from Marine and Adjacent Riverine Areas of North Bohai Sea, China. Archives of Environmental Contamination and Toxicology, 2010, 59, 71-79.	2.1	41
57	Perfluorinated compounds in a coastal industrial area of Tianjin, China. Environmental Geochemistry and Health, 2012, 34, 301-311.	1.8	41
58	Species- and tissue-specific bioaccumulation of arsenicals in various aquatic organisms from a highly industrialized area in the Pohang City, Korea. Environmental Pollution, 2014, 192, 27-35.	3.7	41
59	Importance of accurate trophic level determination by nitrogen isotope of amino acids for trophic magnification studies: A review. Environmental Pollution, 2018, 238, 677-690.	3.7	41
60	Improved water quality in response to pollution control measures at Masan Bay, Korea. Marine Pollution Bulletin, 2012, 64, 427-435.	2.3	40
61	In vitro response of fish and mammalian cells to complex mixtures of polychlorinated naphthalenes, polychlorinated biphenyls, and polycyclic aromatic hydrocarbons. Aquatic Toxicology, 2001, 54, 125-141.	1.9	39
62	In Vitro Bioassay Determination of Dioxin-Like and Estrogenic Activity in Sediment and Water from Ulsan Bay and Its Vicinity, Korea. Archives of Environmental Contamination and Toxicology, 2001, 40, 151-160.	2.1	39
63	Assessment of trace pollutants in Korean coastal sediments using the triad approach: A review. Science of the Total Environment, 2014, 470-471, 1450-1462.	3.9	39
64	Large-scale monitoring and assessment of metal contamination in surface water of the Selenga River Basin (2007–2009). Environmental Science and Pollution Research, 2015, 22, 2856-2867.	2.7	39
65	Bioaccessibility of AhR-active PAHs in sediments contaminated by the Hebei Spirit oil spill: Application of Tenax extraction in effect-directed analysis. Chemosphere, 2016, 144, 706-712.	4.2	39
66	Endocrine disrupting potential of PAHs and their alkylated analogues associated with oil spills. Environmental Sciences: Processes and Impacts, 2017, 19, 1117-1125.	1.7	38
67	Revised relative potency values for PCDDs, PCDFs, and non-ortho-substituted PCBs for the optimized H4IIE-luc in vitro bioassay. Environmental Science and Pollution Research, 2013, 20, 8590-8599.	2.7	37
68	Bioaccumulation of polychlorinated dibenzo-p-dioxins, dibenzofurans, and dioxin-like polychlorinated biphenyls in fishes from the Tittabawassee and Saginaw Rivers, Michigan, USA. Science of the Total Environment, 2010, 408, 2394-2401.	3.9	36
69	Environmental Impacts and Recovery After the Hebei Spirit Oil Spill in Korea. Archives of Environmental Contamination and Toxicology, 2017, 73, 47-54.	2.1	36
70	Spatiotemporal variation and sources of soil heavy metals along the lower reaches of Yangtze River, China. Chemosphere, 2022, 291, 132768.	4.2	36
71	Perfluorinated compounds in water and sediment from coastal regions of the northern Bohai Sea, China. Chemistry and Ecology, 2011, 27, 165-176.	0.6	35
72	The morphology and molecular phylogenetics of some marine diatom taxa within the Fragilariaceae, including twenty undescribed species and their relationship to Nanofrustulum, Opephora andÂPseudostaurosira. Phytotaxa, 2018, 355, 1.	0.1	35

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73	Importance of functional diversity in assessing the recovery of the microbial community after the Hebei Spirit oil spill in Korea. Environment International, 2019, 128, 89-94.	4.8	35
74	Sources and distribution of polychlorinated-dibenzo-p-dioxins and -dibenzofurans in soil and sediment from the Yellow Sea region of China and Korea. Environmental Pollution, 2011, 159, 907-917.	3.7	34
75	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. Estuarine, Coastal and Shelf Science, 2007, 72, 42-52.	0.9	33
76	Arsenic speciation in environmental multimedia samples from the Youngsan River Estuary, Korea: A comparison between freshwater and saltwater. Environmental Pollution, 2018, 237, 842-850.	3.7	33
77	Natural and anthropogenic signatures on sedimentary organic matters across varying intertidal habitats in the Korean waters. Environment International, 2019, 133, 105166.	4.8	33
78	Mercury in coastal watersheds along the Chinese Northern Bohai and Yellow Seas. Journal of Hazardous Materials, 2012, 215-216, 199-207.	6.5	32
79	The Saemangeum tidal flat: Long-term environmental and ecological changes in marine benthic flora and fauna in relation to the embankment. Ocean and Coastal Management, 2014, 102, 559-571.	2.0	32
80	Hard science is essential to restoring soft-sediment intertidal habitats in burgeoning East Asia. Chemosphere, 2017, 168, 765-776.	4.2	32
81	Effect-directed analysis: Current status and future challenges. Ocean Science Journal, 2016, 51, 413-433.	0.6	31
82	Ecogenomic responses of benthic communities under multiple stressors along the marine and adjacent riverine areas of northern Bohai Sea, China. Chemosphere, 2017, 172, 166-174.	4.2	31
83	Multiple Bioassays and Targeted and Nontargeted Analyses to Characterize Potential Toxicological Effects Associated with Sediments of Masan Bay: Focusing on AhR-Mediated Potency. Environmental Science & Technology, 2020, 54, 4443-4454.	4.6	31
84	Perfluoroalkyl acids in rapidly developing coastal areas of China and South Korea: Spatiotemporal variation and source apportionment. Science of the Total Environment, 2021, 761, 143297.	3.9	31
85	Large-scale monitoring and ecological risk assessment of persistent toxic substances in riverine, estuarine, and coastal sediments of the Yellow and Bohai seas. Environment International, 2020, 137, 105517.	4.8	31
86	Environmentally associated spatial changes of a macrozoobenthic community in the Saemangeum tidal flat, Korea. Journal of Sea Research, 2011, 65, 390-400.	0.6	30
87	Carbon and nitrogen stable isotope signatures linked to anthropogenic toxic substances pollution in a highly industrialized area of South Korea. Marine Pollution Bulletin, 2019, 144, 152-159.	2.3	30
88	Long-term changes in distributions of dioxin-like and estrogenic compounds in sediments of Lake Sihwa, Korea: Revisited mass balance. Chemosphere, 2017, 181, 767-777.	4.2	29
89	Chemical-, site-, and taxa-dependent benthic community health in coastal areas of the Bohai Sea and northern Yellow Sea: A sediment quality triad approach. Science of the Total Environment, 2018, 645, 743-752.	3.9	29
90	Perfluoroalkyl substances in marine food webs from South China Sea: Trophic transfer and human exposure implication. Journal of Hazardous Materials, 2022, 431, 128602.	6.5	29

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91	Measured and predicted affinities of binding and relative potencies to activate the AhR of PAHs and their alkylated analogues. Chemosphere, 2015, 139, 23-29.	4.2	28
92	Arsenic speciation in water, suspended particles, and coastal organisms from the Taehwa River Estuary of South Korea. Marine Pollution Bulletin, 2016, 108, 155-162.	2.3	28
93	Receptor-mediated in vitro bioassay for characterization of Ah-R-active compounds and activities in sediment from Korea. Chemosphere, 2006, 62, 1261-1271.	4.2	27
94	Thyroid Hormone Disruption by Water-Accommodated Fractions of Crude Oil and Sediments Affected by the <i>Hebei Spirit</i> Oil Spill in Zebrafish and GH3 Cells. Environmental Science & Technology, 2016, 50, 5972-5980.	4.6	27
95	Polycyclic aromatic hydrocarbons in soils along the coastal and estuarine areas of the northern Bohai and Yellow Seas, China. Environmental Monitoring and Assessment, 2013, 185, 8185-8195.	1.3	26
96	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. Science of the Total Environment, 2014, 470-471, 1509-1516.	3.9	26
97	Distributions of persistent organic contaminants in sediments and their potential impact on macrobenthic faunal community of the Geum River Estuary and Saemangeum Coast, Korea. Chemosphere, 2017, 173, 216-226.	4.2	26
98	Bioaccumulation of Polycyclic Aromatic Hydrocarbons (PAHs) by the Marine Clam, <i>Mactra veneriformis</i> , Chronically Exposed to Oil-Suspended Particulate Matter Aggregates. Environmental Science & Technology, 2018, 52, 7910-7920.	4.6	26
99	Major AhR-active chemicals in sediments of Lake Sihwa, South Korea: Application of effect-directed analysis combined with full-scan screening analysis. Environment International, 2019, 133, 105199.	4.8	25
100	Characterization of trace organic contaminants in marine sediment from Yeongil Bay, Korea: 2. Dioxin-like and estrogenic activities. Environmental Pollution, 2006, 142, 48-57.	3.7	24
101	Identification of sources and seasonal variability of organic matter in Lake Sihwa and surrounding inland creeks, South Korea. Chemosphere, 2017, 177, 109-119.	4.2	24
102	Rapid recovery of coastal environment and ecosystem to the Hebei Spirit oil spill's impact. Environment International, 2020, 136, 105438.	4.8	24
103	The first national scale evaluation of organic carbon stocks and sequestration rates of coastal sediments along the West Sea, South Sea, and East Sea of South Korea. Science of the Total Environment, 2021, 793, 148568.	3.9	24
104	Polychlorinated biphenyls, polycyclic aromatic hydrocarbons and alkylphenols in sediments from the Odra River and its tributaries, Poland. Toxicological and Environmental Chemistry, 2003, 85, 51-60.	0.6	23
105	Chapter 2 Emission, Contamination and Exposure, Fate and Transport, and National Management Strategy of Persistent Organic Pollutants in South Korea. Developments in Environmental Science, 2007, 7, 31-157.	0.5	23
106	Integrated assessment of persistent toxic substances in sediments from Masan Bay, South Korea: Comparison between 1998 and 2014. Environmental Pollution, 2018, 238, 317-325.	3.7	23
107	Environmental concentrations and bioaccumulations of cadmium and zinc in coastal watersheds along the Chinese Northern Bohai and Yellow Seas. Environmental Toxicology and Chemistry, 2013, 32, 831-840.	2.2	22
108	Microphytobenthos of Korean tidal flats: A review and analysis on floral distribution and tidal dynamics. Ocean and Coastal Management, 2014, 102, 471-482.	2.0	22

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109	Distribution characteristics of the fish assemblages to varying environmental conditions in artificial reefs of the Jeju Island, Korea. Marine Pollution Bulletin, 2017, 118, 388-396.	2.3	21
110	Impacts of environmental and anthropogenic stresses on macrozoobenthic communities in Jinhae Bay, Korea. Chemosphere, 2017, 171, 681-691.	4.2	21
111	Multimedia distributions, bioaccumulation, and trophic transfer of microcystins in the Geum River Estuary, Korea: Application of compound-specific isotope analysis of amino acids. Environment International, 2019, 133, 105194.	4.8	21
112	Seasonal variability of estuarine dynamics due to freshwater discharge and its influence on biological productivity in Yeongsan River Estuary, Korea. Chemosphere, 2017, 181, 390-399.	4.2	20
113	Assessment of potential biological activities and distributions of endocrine-disrupting chemicals in sediments of the west coast of South Korea. Chemosphere, 2017, 168, 441-449.	4.2	20
114	Altererythrobacter lutimaris sp. nov., a marine bacterium isolated from a tidal flat and reclassification of Altererythrobacter deserti, Altererythrobacter estronivorus and Altererythrobacter muriae as Tsuneonella deserti comb. nov., Croceicoccus estronivorus comb. nov. and Alteripontixanthobacter muriae comb. nov International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	0.8	20
115	A comparative review and analysis of tentative ecological quality objectives (EcoQOs) for protection of marine environments in Korea and China. Environmental Pollution, 2018, 242, 2027-2039.	3.7	19
116	Gemmobacter lutimaris sp. nov., a marine bacterium isolated from a tidal flat. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 1676-1681.	0.8	19
117	Exposure and effects assessment of resident mink ( <i>Mustela vison</i> ) exposed to polychlorinated dibenzofurans and other dioxinâ€like compounds in the Tittabawassee River basin, Midland, Michigan, USA. Environmental Toxicology and Chemistry, 2008, 27, 2076-2087.	2.2	18
118	Instrumental and bioanalytical measures of dioxin-like compounds and activities in sediments of the Pohang Area, Korea. Science of the Total Environment, 2014, 470-471, 1517-1525.	3.9	18
119	Environmental drivers affecting the bacterial community of intertidal sediments in the Yellow Sea. Science of the Total Environment, 2021, 755, 142726.	3.9	18
120	Perfluorinated Compounds in Aquatic Products from Bohai Bay, Tianjin, China. Human and Ecological Risk Assessment (HERA), 2011, 17, 1279-1291.	1.7	17
121	Performance evaluation and validation of ecological indices toward site-specific application for varying benthic conditions in Korean coasts. Science of the Total Environment, 2016, 541, 1161-1171.	3.9	17
122	Microbial mechanism for enhanced methane emission in deep soil layer of Phragmites-introduced tidal marsh. Environment International, 2020, 134, 105251.	4.8	17
123	Echinicola sediminis sp. nov., a marine bacterium isolated from coastal sediment. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 3351-3357.	0.8	17
124	Toxicokinetics Of 2,3,7,8-TCDF and 2,3,4,7,8-PeCDF in Mink (Mustela vison) at Ecologically Relevant Exposures. Toxicological Sciences, 2008, 105, 33-43.	1.4	16
125	Seasonal variability of community structure and breeding activity in marine phytal harpacticoid copepods on Ulva pertusa from Pohang, east coast of Korea. Journal of Sea Research, 2010, 63, 1-10.	0.6	16
126	Spatiotemporal variability in microphytobenthic primary production across bare intertidal flat, saltmarsh, and mangrove forest of Asia and Australia. Marine Pollution Bulletin, 2020, 151, 110707.	2.3	16

8

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127	Shift in polar benthic community structure in a fast retreating glacial area of Marian Cove, West Antarctica. Scientific Reports, 2021, 11, 241.	1.6	16
128	Biosynthesis and antimicrobial activity of aluminium oxide nanoparticles using Lyngbya majuscula extract. Materials Letters, 2022, 311, 131569.	1.3	16
129	Designation processes for marine protected areas in the coastal wetlands of South Korea. Ocean and Coastal Management, 2010, 53, 703-710.	2.0	15
130	Short-term variability of microphytobenthic primary production associated with in situ diel and tidal conditions. Estuarine, Coastal and Shelf Science, 2012, 112, 236-242.	0.9	15
131	Biodiversity hotspot for marine invertebrates around the Dokdo, East Sea, Korea: Ecological checklist revisited. Marine Pollution Bulletin, 2017, 119, 162-170.	2.3	15
132	<i>Commiphora molmol</i> Modulates Glutamate-Nitric Oxide-cGMP and Nrf2/ARE/HO-1 Pathways and Attenuates Oxidative Stress and Hematological Alterations in Hyperammonemic Rats. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-15.	1.9	15
133	Spatiotemporal variations in macrofaunal assemblages linked to site-specific environmental factors in two contrasting nearshore habitats. Environmental Pollution, 2018, 241, 596-606.	3.7	15
134	Anthropogenic influences on benthic food web dynamics by interrupted freshwater discharge in a closed Geum River estuary, Korea. Environment International, 2019, 131, 104981.	4.8	15
135	Novel polar AhR-active chemicals detected in sediments of an industrial area using effect-directed analysis based on in vitro bioassays with full-scan high resolution mass spectrometric screening. Science of the Total Environment, 2021, 779, 146566.	3.9	15
136	Organochlorine pesticides (HCHs and DDTs) in soils along the north coastal areas of the Bohai Sea, China. Chemistry and Ecology, 2010, 26, 339-352.	0.6	14
137	Lethal and sub-lethal effects of elevated CO2 concentrations on marine benthic invertebrates and fish. Environmental Science and Pollution Research, 2016, 23, 14945-14956.	2.7	14
138	Spatiotemporal distributions of butyltin compounds in various intertidal organisms along the Samcheok and Tongyeong coasts of Korea. Chemosphere, 2017, 172, 268-277.	4.2	14
139	Towards a multigene phylogeny of the Cymatosiraceae (Bacillariophyta, Mediophyceae) I: novel taxa within the subfamily cymatosiroideae based on molecular and morphological data. Journal of Phycology, 2017, 53, 342-360.	1.0	14
140	Current contamination status of traditional and emerging persistent toxic substances in the sediments of Ulsan Bay, South Korea. Marine Pollution Bulletin, 2020, 160, 111560.	2.3	14
141	Identification of potential toxicants in sediments from an industrialized area in Pohang, South Korea: Application of a cell viability assay of microalgae using flow cytometry. Journal of Hazardous Materials, 2021, 405, 124230.	6.5	14
142	Microbial decomposition of soil organic matter determined by edaphic characteristics of mangrove forests in East Asia. Science of the Total Environment, 2021, 763, 142972.	3.9	14
143	Macrozoobenthos of Korean tidal flats: A review on species assemblages and distribution. Ocean and Coastal Management, 2014, 102, 483-492.	2.0	13
144	Temporal dynamics and spatial heterogeneity of microalgal biomass in recently reclaimed intertidal flats of the Saemangeum area, Korea. Journal of Sea Research, 2016, 116, 1-11.	0.6	13

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145	Rainfall effects on the erodibility of sediment and microphytobenthos in the intertidal flat. Environmental Pollution, 2018, 242, 2051-2058.	3.7	13
146	Development of temperature-based algorithms for the estimation of microphytobenthic primary production in a tidal flat: A case study in Daebu mudflat, Korea. Environmental Pollution, 2018, 241, 115-123.	3.7	13
147	Sub-lethal and lethal toxicities of elevated CO2 on embryonic, juvenile, and adult stages of marine medaka Oryzias melastigma. Environmental Pollution, 2018, 241, 586-595.	3.7	13
148	Evaluation of residual toxicity of hypochlorite-treated water using bioluminescent microbes and microalgae: Implications for ballast water management. Ecotoxicology and Environmental Safety, 2019, 167, 130-137.	2.9	13
149	Natural and anthropogenic impacts on long-term meiobenthic communities in two contrasting nearshore habitats. Environment International, 2020, 134, 105200.	4.8	13
150	Recent advances in environmental DNAâ€based biodiversity assessment and conservation. Diversity and Distributions, 2021, 27, 1876-1879.	1.9	13
151	Large-scale sediment toxicity assessment over the 15,000 km of coastline in the Yellow and Bohai seas, East Asia. Science of the Total Environment, 2021, 792, 148371.	3.9	13
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JONG SEONG KHIM

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