

Kyung-Hoon Shin

List of Publications by Year in descending order

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Version: 2024-02-01

208
papers

5,166
citations

117571

34
h-index

128225

60
g-index

210
all docs

210
docs citations

210
times ranked

6494
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgae – A promising tool for heavy metal remediation. <i>Ecotoxicology and Environmental Safety</i> , 2015, 113, 329-352.	2.9	595
2	Adverse effects of microplastics and oxidative stress-induced MAPK/Nrf2 pathway-mediated defense mechanisms in the marine copepod <i>Paracyclopsina nana</i> . <i>Scientific Reports</i> , 2017, 7, 41323.	1.6	271
3	Algal photosynthetic responses to toxic metals and herbicides assessed by chlorophyll a fluorescence. <i>Ecotoxicology and Environmental Safety</i> , 2014, 104, 51-71.	2.9	201
4	Fast and sensitive trace analysis of malachite green using a surface-enhanced Raman microfluidic sensor. <i>Analytica Chimica Acta</i> , 2007, 590, 139-144.	2.6	154
5	The East Siberian Sea as a transition zone between Pacific-derived waters and Arctic shelf waters. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	121
6	Study of Double Bond Equivalents and the Numbers of Carbon and Oxygen Atom Distribution of Dissolved Organic Matter with Negative-Mode FT-ICR MS. <i>Analytical Chemistry</i> , 2011, 83, 4193-4199.	3.2	106
7	New insight into the applicability of spectroscopic indices for dissolved organic matter (DOM) source discrimination in aquatic systems affected by biogeochemical processes. <i>Water Research</i> , 2018, 147, 164-176.	5.3	101
8	Spatial variability in the primary productivity in the East China Sea and its adjacent waters. <i>Journal of Oceanography</i> , 1997, 53, 41-51.	0.7	98
9	Characteristics of alkenones synthesized by a bloom of <i>emiliana huxleyi</i> in the Bering Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 1507-1519.	1.6	92
10	Estimation of different source contributions to sediment organic matter in an agricultural-forested watershed using end member mixing analyses based on stable isotope ratios and fluorescence spectroscopy. <i>Science of the Total Environment</i> , 2018, 618, 569-578.	3.9	79
11	Crude oil exposure results in oxidative stress-mediated dysfunctional development and reproduction in the copepod <i>Tigriopus japonicus</i> and modulates expression of cytochrome P450 (CYP) genes. <i>Aquatic Toxicology</i> , 2014, 152, 308-317.	1.9	76
12	Evaluating the contributions of different organic matter sources to urban river water during a storm event via optical indices and molecular composition. <i>Water Research</i> , 2019, 165, 115006.	5.3	73
13	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
14	Controls of the landfast ice – ocean ecosystem offshore Barrow, Alaska. <i>Annals of Glaciology</i> , 2006, 44, 63-72.	2.8	67
15	Molecular cloning, expression, biochemical characteristics, and biomarker potential of theta class glutathione S-transferase (GST-T) from the polychaete <i>Neanthes succinea</i> . <i>Aquatic Toxicology</i> , 2007, 83, 104-115.	1.9	65
16	Observational evidence for the formation of DMS-derived aerosols during Arctic phytoplankton blooms. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9665-9675.	1.9	65
17	Spectroscopic characterization of dissolved organic matter isolates from sediments and the association with phenanthrene binding affinity. <i>Chemosphere</i> , 2014, 111, 450-457.	4.2	63
18	Source identification and distribution reveals the potential of the geochemical Antarctic sea ice proxy IPSO25. <i>Nature Communications</i> , 2016, 7, 12655.	5.8	56

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19	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.	4.6	47
20	Applicability of stable C and N isotope analysis in inferring the geographical origin and authentication of commercial fish (Mackerel, Yellow Croaker and Pollock). <i>Food Chemistry</i> , 2015, 172, 523-527.	4.2	46
21	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
22	Characterization and source identification of organic matter in view of land uses and heavy rainfall in the Lake Shihwa, Korea. <i>Marine Pollution Bulletin</i> , 2014, 84, 322-329.	2.3	42
23	Species-specific accumulation of polybrominated diphenyl ethers (PBDEs) and other emerging flame retardants in several species of birds from Korea. <i>Environmental Pollution</i> , 2016, 219, 191-200.	3.7	42
24	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.	3.7	41
25	Evaluation of induction of metallothionein-like proteins (MTLPs) in the polychaetes for biomonitoring of heavy metal pollution in marine sediments. <i>Marine Pollution Bulletin</i> , 2008, 57, 544-551.	2.3	39
26	Biomagnification of mercury through the benthic food webs of a temperate estuary: Masan Bay, Korea. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 1254-1263.	2.2	39
27	Modulated expression and enzymatic activity of the monogonont rotifer <i>Brachionus koreanus</i> Cu/Zn- and Mn-superoxide dismutase (SOD) in response to environmental biocides. <i>Chemosphere</i> , 2015, 120, 470-478.	4.2	39
28	UV-B radiation-induced oxidative stress and p38 signaling pathway involvement in the benthic copepod <i>Tigriopus japonicus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 167, 15-23.	1.3	39
29	Anti-Photoaging and Potential Skin Health Benefits of Seaweeds. <i>Marine Drugs</i> , 2021, 19, 172.	2.2	38
30	A Gene Expression Study of the Activities of Aromatic Ring-Cleavage Dioxygenases in <i>Mycobacterium gilvum</i> PYR-GCK to Changes in Salinity and pH during Pyrene Degradation. <i>PLoS ONE</i> , 2013, 8, e58066.	1.1	38
31	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[<i>a</i>]pyrene. <i>Marine Environmental Research</i> , 2013, 90, 75-84.	1.1	36
32	Trophic interaction among organisms in a seagrass meadow ecosystem as revealed by bulk $\delta^{13}\text{C}$ and amino acid $\delta^{15}\text{N}$ analyses. <i>Limnology and Oceanography</i> , 2017, 62, 1426-1435.	1.6	36
33	Contribution of petroleum-derived organic carbon to sedimentary organic carbon pool in the eastern Yellow Sea (the northwestern Pacific). <i>Chemosphere</i> , 2017, 168, 1389-1399.	4.2	36
34	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
35	In vivo effects of UV radiation on multiple endpoints and expression profiles of DNA repair and heat shock protein (Hsp) genes in the cycloid copepod <i>Paracyclopsina nana</i> . <i>Aquatic Toxicology</i> , 2015, 165, 1-8.	1.9	35
36	Biodegradation-induced signatures in sediment pore water dissolved organic matter: Implications from artificial sediments composed of two contrasting sources. <i>Science of the Total Environment</i> , 2019, 694, 133714.	3.9	35

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37	Interrelationship of salinity shift with oxidative stress and lipid metabolism in the monogonont rotifer <i>Brachionus koreanus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 214, 79-84.	0.8	34
38	Muscle Protein Hydrolysates and Amino Acid Composition in Fish. <i>Marine Drugs</i> , 2021, 19, 377.	2.2	34
39	Enhancement of coccolithophorid blooms in the Bering Sea by recent environmental changes. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	33
40	Effects of salinity on growth, fatty acid synthesis, and expression of stress response genes in the cyclopoid copepod <i>Paracyclops nana</i> . <i>Aquaculture</i> , 2017, 470, 182-189.	1.7	33
41	Dynamics of fatty acids in newly biosynthesized phytoplankton cells and seston during a spring bloom off the west coast of Hokkaido Island, Japan. <i>Marine Chemistry</i> , 2000, 70, 243-256.	0.9	32
42	Three decades of TBT contamination in sediments around a large scale shipyard. <i>Journal of Hazardous Materials</i> , 2011, 192, 634-642.	6.5	32
43	The river-estuarine continuum of nutrients and phytoplankton communities in an estuary physically divided by a sea dike. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 163, 279-289.	0.9	32
44	Response of glutathione S-transferase (GST) genes to cadmium exposure in the marine pollution indicator worm, <i>Perinereis nuntia</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 154, 82-92.	1.3	30
45	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.	2.3	30
46	Production of mycosporine-like amino acids of in situ phytoplankton community in Kongsfjorden, Svalbard, Arctic. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 114, 1-14.	1.7	29
47	Functional characterization of P-glycoprotein in the intertidal copepod <i>Tigriopus japonicus</i> and its potential role in remediating metal pollution. <i>Aquatic Toxicology</i> , 2014, 156, 135-147.	1.9	29
48	Dose- and time-dependent expression of aryl hydrocarbon receptor (AhR) and aryl hydrocarbon receptor nuclear translocator (ARNT) in PCB-, B[a]P-, and TBT-exposed intertidal copepod <i>Tigriopus japonicus</i> . <i>Chemosphere</i> , 2015, 120, 398-406.	4.2	29
49	Effects of HCl pretreatment, drying, and storage on the stable isotope ratios of soil and sediment samples. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1567-1575.	0.7	29
50	Expression of superoxide dismutase (SOD) genes from the copper-exposed polychaete, <i>Neanthes succinea</i> . <i>Marine Pollution Bulletin</i> , 2011, 63, 277-286.	2.3	28
51	A global proteome study of <i>Mycobacterium gilvum</i> PYR-GCK grown on pyrene and glucose reveals the activation of glyoxylate, shikimate and gluconeogenic pathways through the central carbon metabolism highway. <i>Biodegradation</i> , 2013, 24, 741-752.	1.5	26
52	Size-related and seasonal diet of the manila clam (<i>Ruditapes philippinarum</i>), as determined using dual stable isotopes. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 135, 94-105.	0.9	25
53	Source, composition and reactivity of sedimentary organic carbon in the river-dominated marginal seas: A study of the eastern Yellow Sea (the northwestern Pacific). <i>Continental Shelf Research</i> , 2016, 125, 114-126.	0.9	25
54	Aging extension and modifications of lipid metabolism in the monogonont rotifer <i>Brachionus koreanus</i> under chronic caloric restriction. <i>Scientific Reports</i> , 2018, 8, 1741.	1.6	25

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55	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.	4.8	25
56	Alkylphenols in the core sediment of a waste dumpsite in the East Sea (Sea of Japan), Korea. <i>Marine Pollution Bulletin</i> , 2009, 58, 1566-1571.	2.3	24
57	Susceptibility to oxidative stress and modulated expression of antioxidant genes in the copper-exposed polychaete <i>Perinereis nuntia</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012, 155, 344-351.	1.3	24
58	Effects of UV radiation on hatching, lipid peroxidation, and fatty acid composition in the copepod <i>Paracyclopsina nana</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 165, 60-66.	1.3	24
59	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.	4.2	24
60	Tracing nitrogen sources fueling coastal green tides off a volcanic island using radon and nitrogen isotopic tracers. <i>Science of the Total Environment</i> , 2019, 665, 913-919.	3.9	24
61	Current nonylphenol pollution and the past 30years record in an artificial Lake Shihwa, Korea. <i>Marine Pollution Bulletin</i> , 2010, 60, 308-313.	2.3	23
62	Temporal variation in riverine organic carbon concentrations and fluxes in two contrasting estuary systems: Geum and Seomjin, South Korea. <i>Environment International</i> , 2019, 133, 105126.	4.8	23
63	Assessment on applicability of common source tracking tools for particulate organic matter in controlled end member mixing experiments. <i>Science of the Total Environment</i> , 2019, 666, 187-196.	3.9	23
64	Exploiting of Secondary Raw Materials from Fish Processing Industry as a Source of Bioactive Peptide-Rich Protein Hydrolysates. <i>Marine Drugs</i> , 2021, 19, 480.	2.2	23
65	Assessing environmental changes in Lake Shihwa, South Korea, based on distributions and stable carbon isotopic compositions of n-alkanes. <i>Environmental Pollution</i> , 2018, 240, 105-115.	3.7	22
66	Benthic nutrient fluxes at longline sea squirt and oyster aquaculture farms and their role in coastal ecosystems. <i>Aquaculture International</i> , 2011, 19, 931-944.	1.1	21
67	High abundance of protein-like fluorescence in the Amerasian Basin of Arctic Ocean: Potential implication of a fall phytoplankton bloom. <i>Science of the Total Environment</i> , 2017, 599-600, 355-363.	3.9	21
68	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.	4.8	21
69	Tight trophic association between benthic diatom blooms and shallow-water megabenthic communities in a rapidly deglaciated Antarctic fjord. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 218, 258-267.	0.9	21
70	Acetylthiocholine (ATC) – Cleaving cholinesterase (ChE) activity as a potential biomarker of pesticide exposure in the Manila clam, <i>Ruditapes philippinarum</i> , of Korea. <i>Marine Environmental Research</i> , 2011, 71, 162-168.	1.1	20
71	Variation in carbon and nitrogen stable isotopes in POM and zooplankton in a deep reservoir and relationship to hydrological characteristics. <i>Journal of Freshwater Ecology</i> , 2013, 28, 47-62.	0.5	20
72	Spatial variability in chromophoric dissolved organic matter for an artificial coastal lake (Shihwa) and the upstream catchments at two different seasons. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7678-7688.	2.7	20

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73	Biodegradability of algal-derived organic matter in a large artificial lake by using stable isotope tracers. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8358-8366.	2.7	20
74	Biogeochemical evidence of anaerobic methane oxidation on active submarine mud volcanoes on the continental slope of the Canadian Beaufort Sea. <i>Biogeosciences</i> , 2018, 15, 7419-7433.	1.3	20
75	Effects of temperature on growth and fatty acid synthesis in the cyclopoid copepod <i>Paracyclopsina nana</i> . <i>Fisheries Science</i> , 2017, 83, 725-734.	0.7	19
76	Distribution of long chain alkyl diols along a south-north transect of the northwestern Pacific region: Insights into a paleo sea surface nutrient proxy. <i>Organic Geochemistry</i> , 2018, 119, 80-90.	0.9	19
77	Variability of trophic magnification factors as an effect of estimated trophic position: Application of compound-specific nitrogen isotope analysis of amino acids. <i>Environment International</i> , 2020, 135, 105361.	4.8	19
78	Using stable isotope probing and fluorescence spectroscopy to examine the roles of substrate and soluble microbial products in extracellular polymeric substance formation in activated sludge process. <i>Science of the Total Environment</i> , 2021, 788, 147875.	3.9	19
79	Source tracking of dissolved organic nitrogen at the molecular level during storm events in an agricultural watershed. <i>Science of the Total Environment</i> , 2022, 810, 152183.	3.9	19
80	Effect of nutrient conditions on the composition of photosynthetic products in the East China Sea and surrounding waters. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003, 50, 389-401.	0.6	18
81	Evaluation of the potential impact of polluted sediments using Manila clam <i>Ruditapes philippinarum</i> : bioaccumulation and biomarker responses. <i>Environmental Science and Pollution Research</i> , 2012, 19, 2570-2580.	2.7	18
82	Influence of sea squirt (<i>Halocynthia roretzi</i>) aquaculture on benthic-pelagic coupling in coastal waters: A study of the South Sea in Korea. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 99, 10-20.	0.9	18
83	Utility of Stable Isotope and Cytochrome Oxidase I Gene Sequencing Analyses in Inferring Origin and Authentication of Hairtail Fish and Shrimp. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5548-5556.	2.4	18
84	Using stable isotope labeling approach and two dimensional correlation spectroscopy to explore the turnover cycles of different carbon structures in extracellular polymeric substances. <i>Water Research</i> , 2020, 170, 115355.	5.3	18
85	The polychaete, <i>Perinereis nuntia</i> ESTs and its use to uncover potential biomarker genes for molecular ecotoxicological studies. <i>Environmental Research</i> , 2012, 112, 48-57.	3.7	17
86	Identification of key factors influencing primary productivity in two river-type reservoirs by using principal component regression analysis. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 213.	1.3	17
87	Accumulation of Microcystin (LR, RR and YR) in Three Freshwater Bivalves in <i>Microcystis aeruginosa</i> Bloom Using Dual Isotope Tracer. <i>Marine Drugs</i> , 2017, 15, 226.	2.2	17
88	Tributyltin Affects Retinoid X Receptor-Mediated Lipid Metabolism in the Marine Rotifer <i>Brachionus koreanus</i> . <i>Environmental Science & Technology</i> , 2019, 53, 7830-7839.	4.6	17
89	Comparing optical versus chromatographic descriptors of dissolved organic matter (DOM) for tracking the non-point sources in rural watersheds. <i>Ecological Indicators</i> , 2020, 117, 106682.	2.6	17
90	Distribution of microcystins in environmental multimedia and their bioaccumulation characteristics in marine benthic organisms in the Geum River Estuary, South Korea. <i>Science of the Total Environment</i> , 2021, 757, 143815.	3.9	17

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91	Production and turnover rates of C37 alkenones in the eastern Bering Sea: implication for the mechanism of a long duration of <i>Emiliania huxleyi</i> bloom. <i>Progress in Oceanography</i> , 2002, 55, 113-129.	1.5	16
92	Distribution of dissolved organic matter in the eastern Bering Sea, Chukchi Sea (Barrow Canyon) and Beaufort Sea. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	16
93	One-Year Outcome of Argon Laser Photocoagulation of Pterygium. <i>Cornea</i> , 2013, 32, 971-975.	0.9	16
94	Photoprotective function of mycosporine-like amino acids in a bipolar diatom (<i>Porosira</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td 29, 399-409.	0.5	16
95	Distribution and bioaccumulation of polychlorinated biphenyls and organochlorine pesticides residues in sediments and Manila clams (<i>Ruditapes philippinarum</i>) from along the Mid-Western coast of Korea. <i>Marine Pollution Bulletin</i> , 2014, 85, 672-678.	2.3	16
96	Occurrence and distribution of hydroxylated isoprenoid glycerol dialkyl glycerol tetraethers (OH-GDGTs) in the Han River system, South Korea. <i>Acta Geochimica</i> , 2017, 36, 367-369.	0.7	16
97	Do early diagenetic processes affect the applicability of commonly-used organic matter source tracking tools? An assessment through controlled degradation end-member mixing experiments. <i>Water Research</i> , 2020, 173, 115588.	5.3	16
98	An integrated view of gamma radiation effects on marine fauna: from molecules to ecosystems. <i>Environmental Science and Pollution Research</i> , 2015, 22, 17443-17452.	2.7	15
99	Widespread Anthropogenic Nitrogen in Northwestern Pacific Ocean Sediment. <i>Environmental Science & Technology</i> , 2017, 51, 6044-6052.	4.6	15
100	Significant seasonal changes in optical properties of brown carbon in the midlatitude atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2709-2718.	1.9	15
101	On the impact of wastewater effluent on phytoplankton in the Arctic coastal zone: A case study in the Kitikmeot Sea of the Canadian Arctic. <i>Science of the Total Environment</i> , 2021, 764, 143861.	3.9	15
102	Molecular cloning and characterization of omega class glutathione S-transferase (GST-O) from the polychaete <i>Neanthes succinea</i> : Biochemical comparison with theta class glutathione S-transferase (GST-T). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2007, 146, 471-477.	1.3	14
103	Nonlinear Combustion and Fluid Mechanics in a Hybrid Rocket. <i>Journal of Propulsion and Power</i> , 2012, 28, 1351-1358.	1.3	14
104	Complete mitochondrial genome of the marine polychaete, <i>Perinereis nuntia</i> (Polychaeta), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	0.6	14
105	Argon Laser Photoablation of Superficial Conjunctival Nevus: Results of a 3-Year Study. <i>American Journal of Ophthalmology</i> , 2013, 155, 823-828.e2.	1.7	14
106	Strategy of photo-protection in phytoplankton assemblages in the Kongsfjorden, Svalbard, Arctic. <i>Chinese Journal of Oceanology and Limnology</i> , 2016, 34, 1-12.	0.7	14
107	Current contamination status of traditional and emerging persistent toxic substances in the sediments of Ulsan Bay, South Korea. <i>Marine Pollution Bulletin</i> , 2020, 160, 111560.	2.3	14
108	Trophic transfer of persistent toxic substances through a coastal food web in Ulsan Bay, South Korea: Application of compound-specific isotope analysis of nitrogen in amino acids. <i>Environmental Pollution</i> , 2020, 266, 115160.	3.7	14

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109	A comparative study of food selectivity of the benthic copepod <i>Tigriopus japonicus</i> and the pelagic copepod <i>Paracyclopina nana</i> : A genome-wide identification of fatty acid conversion genes and nitrogen isotope investigation. <i>Aquaculture</i> , 2020, 521, 734930.	1.7	14
110	Molecular evidence for suppression of swimming behavior and reproduction in the estuarine rotifer <i>Brachionus koreanus</i> in response to COVID-19 disinfectants. <i>Marine Pollution Bulletin</i> , 2022, 175, 113396.	2.3	14
111	Control of Algal Scum Using Top-Down Biomanipulation Approaches and Ecosystem Health Assessments for Efficient Reservoir Management. <i>Water, Air, and Soil Pollution</i> , 2010, 205, 3-24.	1.1	13
112	Imposex in <i>Reishia clavigera</i> as an Indicator to Assess Recovery of TBT Pollution After a Total Ban in South Korea. <i>Archives of Environmental Contamination and Toxicology</i> , 2017, 73, 301-309.	2.1	13
113	Lipid metabolism modulation by five different food types in the monogonont marine rotifer <i>Brachionus koreanus</i> . <i>Aquaculture</i> , 2019, 503, 596-601.	1.7	13
114	Effects of ethanol preservation and formalin fixation on amino acid stable isotope analysis ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) and its ecological applications. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 77-88.	1.0	13
115	Environmental fate and trophic transfer of synthetic musk compounds and siloxanes in Geum River, Korea: Compound-specific nitrogen isotope analysis of amino acids for accurate trophic position estimation. <i>Environment International</i> , 2022, 161, 107123.	4.8	13
116	Molecular cloning and expression of novel metallothionein (MT) gene in the polychaete <i>Perinereis nuntia</i> exposed to metals. <i>Environmental Science and Pollution Research</i> , 2012, 19, 2606-2618.	2.7	12
117	Comparing discrimination capabilities of fluorescence spectroscopy versus FT-ICR-MS for sources and hydrophobicity of sediment organic matter. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1892-1902.	2.7	12
118	Characterizing lipid biomarkers in methanotrophic communities of gas hydrate-bearing sediments in the Sea of Okhotsk. <i>Marine and Petroleum Geology</i> , 2011, 28, 1884-1898.	1.5	11
119	Geochemical signature related to lipid biomarkers of ANMEs in gas hydrate-bearing sediments in the Ulleung Basin, East Sea (Korea). <i>Marine and Petroleum Geology</i> , 2013, 47, 125-135.	1.5	11
120	Fatty acid biomarkers to verify cyanobacteria feeding abilities of herbivorous consumers. <i>Journal of Freshwater Ecology</i> , 2016, 31, 77-91.	0.5	11
121	A Multi-Elements Isotope Approach to Assess the Geographic Provenance of Manila Clams (<i>Ruditapes</i>) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	11
122	New approach for conjunctivochalasis with argon laser photocoagulation. <i>Canadian Journal of Ophthalmology</i> , 2012, 47, 380-382.	0.4	10
123	Trophic importance of meiofauna to polychaetes in a seagrass (<i>Zostera marina</i>) bed as traced by stable isotopes. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2014, 94, 121-127.	0.4	10
124	Carbon stable isotope ratios of new leaves of <i>Zostera marina</i> in the mid-latitude region: Implications of seasonal variation in productivity. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 461, 286-296.	0.7	10
125	Seasonal Changes in Mycosporine-Like Amino Acid Production Rate with Respect to Natural Phytoplankton Species Composition. <i>Marine Drugs</i> , 2015, 13, 6740-6758.	2.2	10
126	Accumulation and temporal changes of PCDD/Fs and dioxin-like PCBs in finless porpoises () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td	2.3	10

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127	Trophic Dynamics of Zooplankton Before and After Polar Night in the Kongsfjorden (Svalbard): Evidence of Trophic Position Estimated by $\delta^{15}\text{N}$ Analysis of Amino Acids. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	10
128	Seasonal contrast of particulate organic carbon (POC) characteristics in the Geum and Seomjin estuary systems (South Korea) revealed by carbon isotope ($\delta^{13}\text{C}$ and $\delta^{14}\text{C}$) analyses. <i>Water Research</i> , 2020, 187, 116442.	5.3	10
129	Ecological and human health risk from polychlorinated biphenyls and organochlorine pesticides in bivalves of Cheonsu Bay, Korea. <i>Environmental Engineering Research</i> , 2016, 21, 373-383.	1.5	10
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