

In-Young Ahn

List of Publications by Year in descending order

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52
papers

1,557
citations

257450

24
h-index

315739

38
g-index

52
all docs

52
docs citations

52
times ranked

1652
citing authors

#	ARTICLE	IF	CITATIONS
1	Baseline heavy metal concentrations in the Antarctic clam, <i>Laternula elliptica</i> in Maxwell Bay, King George Island, Antarctica. <i>Marine Pollution Bulletin</i> , 1996, 32, 592-598.	5.0	100
2	Environmental stressors (salinity, heavy metals, H ₂ O ₂) modulate expression of glutathione reductase (GR) gene from the intertidal copepod <i>Tigriopus japonicus</i> . <i>Aquatic Toxicology</i> , 2006, 80, 281-289.	4.0	88
3	Enhanced particle flux through the biodeposition by the Antarctic suspension-feeding bivalve <i>Laternula elliptica</i> in Marian Cove, King George Island. <i>Journal of Experimental Marine Biology and Ecology</i> , 1993, 171, 75-90.	1.5	75
4	Sequence, biochemical characteristics and expression of a novel Sigma-class of glutathione S-transferase from the intertidal copepod, <i>Tigriopus japonicus</i> with a possible role in antioxidant defense. <i>Chemosphere</i> , 2007, 69, 893-902.	8.2	69
5	Expression of heat shock protein 70 in the thermally stressed Antarctic clam <i>Laternula elliptica</i> . <i>Cell Stress and Chaperones</i> , 2007, 12, 275.	2.9	63
6	The influence of industrial effluents on intertidal benthic communities in Panweol, Kyeonggi Bay (Yellow Sea) on the west coast of Korea. <i>Marine Pollution Bulletin</i> , 1995, 30, 200-206.	5.0	57
7	Evaluation of Manila clam <i>Ruditapes philippinarum</i> as a sentinel species for metal pollution monitoring in estuarine tidal flats of Korea: Effects of size, sex, and spawning on baseline accumulation. <i>Marine Pollution Bulletin</i> , 2006, 52, 447-453.	5.0	55
8	Two-generation toxicity study on the copepod model species <i>Tigriopus japonicus</i> . <i>Chemosphere</i> , 2008, 72, 1359-1365.	8.2	55
9	Molecular cloning and thermal stress-induced expression of a pi-class glutathione S-transferase (GST) in the Antarctic bivalve <i>Laternula elliptica</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 152, 207-213.	1.8	54
10	Influence of glacial runoff on baseline metal accumulation in the Antarctic limpet <i>Nacella concinna</i> from King George Island. <i>Marine Pollution Bulletin</i> , 2004, 49, 119-127.	5.0	53
11	Vegetation of Barton Peninsula in the neighbourhood of King Sejong Station (King George Island, Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	53
12	Antarctic ecosystems in transition – life between stresses and opportunities. <i>Biological Reviews</i> , 2021, 96, 798-821.	10.4	53
13	Summer metabolism of the Antarctic clam, <i>Laternula elliptica</i> (King and Broderip) in Maxwell Bay, King George Island and its implications. <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 224, 253-264.	1.5	52
14	The impacts of climate change on Antarctic nearshore mega-epifaunal benthic assemblages in a glacial fjord on King George Island: Responses and implications. <i>Ecological Indicators</i> , 2015, 57, 280-292.	6.3	52
15	A baseline study on metal concentrations in the Antarctic limpet <i>Nacella concinna</i> (Gastropoda: Tj ETQq1 1 0.784314 rgBT /Overlock	5.0	43
16	Analysis of ESTs and expression of two peroxiredoxins in the thermally stressed Antarctic bivalve <i>Laternula elliptica</i> . <i>Fish and Shellfish Immunology</i> , 2008, 25, 550-559.	3.6	43
17	Lipid content and composition of the Antarctic lamellibranch, <i>Laternula elliptica</i> (King & Broderip) (Anomalodesmata: Laternulidae), in King George Island during an austral summer. <i>Polar Biology</i> , 2000, 23, 24-33.	1.2	35
18	Cloning, expression and characterization of metallothionein from the Antarctic clam <i>Laternula elliptica</i> . <i>Protein Expression and Purification</i> , 2007, 52, 82-88.	1.3	31

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19	The effect of body size on metal accumulations in the bivalve <i>Laternula elliptica</i> . <i>Antarctic Science</i> , 2001, 13, 355-362.	0.9	30
20	Molecular cloning, characterization, and the response of manganese superoxide dismutase from the Antarctic bivalve <i>Laternula elliptica</i> to PCB exposure. <i>Fish and Shellfish Immunology</i> , 2009, 27, 522-528.	3.6	30
21	First record of massive blooming of benthic diatoms and their association with megabenthic filter feeders on the shallow seafloor of an Antarctic Fjord: Does glacier melting fuel the bloom?. <i>Ocean Science Journal</i> , 2016, 51, 273-279.	1.3	30
22	The annual reproductive pattern of the Antarctic clam, <i>Laternula elliptica</i> from Marian Cove, King George Island. <i>Polar Biology</i> , 2009, 32, 517-528.	1.2	29
23	The bivalve <i>Laternula elliptica</i> at King George Island "A biological recorder of climate forcing in the West Antarctic Peninsula region. <i>Journal of Marine Systems</i> , 2011, 88, 542-552.	2.1	29
24	Lichen flora around the Korean Antarctic Scientific Station, King George Island, Antarctic. <i>Journal of Microbiology</i> , 2006, 44, 480-91.	2.8	27
25	Metal accumulation in sea urchins and their kelp diet in an Arctic fjord (Kongsfjorden, Svalbard). <i>Marine Pollution Bulletin</i> , 2009, 58, 1571-1577.	5.0	26
26	Quantitative assessment of reproductive condition of the Antarctic clam, <i>Laternula elliptica</i> (King & Tj) ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	25
27	Molecular characterization and induction of heat shock protein 90 in the Antarctic bivalve <i>Laternula elliptica</i> . <i>Cell Stress and Chaperones</i> , 2009, 14, 363-370.	2.9	23
28	Glutathione S-transferase as a biomarker in the Antarctic bivalve <i>Laternula elliptica</i> after exposure to the polychlorinated biphenyl mixture Aroclor 1254. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 150, 528-536.	2.6	23
29	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.	2.1	21
30	Macrobenthic communities impacted by anthropogenic activities in an intertidal sand flat on the west coast (Yellow Sea) of Korea. <i>Marine Pollution Bulletin</i> , 1998, 36, 808-817.	5.0	20
31	Subcellular accumulation of Cu in the Antarctic bivalve <i>Laternula elliptica</i> from a naturally Cu-elevated bay of King George Island. <i>Polar Biology</i> , 2003, 26, 601-609.	1.2	19
32	Cadmium bioaccumulation and detoxification in the gill and digestive gland of the Antarctic bivalve <i>Laternula elliptica</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2007, 145, 227-235.	2.6	19
33	Isotopic shift for defining habitat exploitation by the Antarctic limpet <i>Nacella concinna</i> from rocky coastal habitats (Marian Cove, King George Island). <i>Estuarine, Coastal and Shelf Science</i> , 2011, 92, 339-346.	2.1	18
34	A Dynamic Energy Budget (DEB) model to describe <i>Laternula elliptica</i> (King, 1832) seasonal feeding and metabolism. <i>PLoS ONE</i> , 2017, 12, e0183848.	2.5	17
35	Shift in polar benthic community structure in a fast retreating glacial area of Marian Cove, West Antarctica. <i>Scientific Reports</i> , 2021, 11, 241.	3.3	16
36	Response of antioxidant defence systems to thermal stress in the Antarctic clam <i>Laternula elliptica</i> . <i>Antarctic Science</i> , 2008, 20, 521-526.	0.9	14

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37	Ocean freshening and acidification differentially influence mortality and behavior of the Antarctic amphipod <i>Gondogeneia antarctica</i> . <i>Marine Environmental Research</i> , 2020, 154, 104847.	2.5	14
38	Spatial Variations of Heavy Metal Accumulation in Manila clam <i>Ruditapes philippinarum</i> from Some Selected Intertidal Flats of Korea. <i>Ocean and Polar Research</i> , 2006, 28, 215-224.	0.3	12
39	Influence of soil properties on the distribution of <i>Deschampsia antarctica</i> on King George Island, Maritime Antarctica. <i>Polar Biology</i> , 2012, 35, 1703-1711.	1.2	11
40	Spatial Distribution Patterns of the Antarctic Hair Grass <i>Deschampsia antarctica</i> in Relation to Environmental Variables on Barton Peninsula, King George Island. <i>Arctic, Antarctic, and Alpine Research</i> , 2013, 45, 563-574.	1.1	11
41	Effects of Low pH and Low Salinity Induced by Meltwater Inflow on the Behavior and Physical Condition of the Antarctic Limpet, <i>Nacella concinna</i> . <i>Journal of Marine Science and Engineering</i> , 2020, 8, 822.	2.6	10
42	Patterns, drivers and implications of ascidian distributions in a rapidly deglaciating fjord, King George Island, West Antarctic Peninsula. <i>Ecological Indicators</i> , 2021, 125, 107467.	6.3	10
43	Incubation capacity limits clutch size in south polar skuas. <i>Antarctic Science</i> , 2010, 22, 19.	0.9	6
44	Phytoplankton succession during a massive coastal diatom bloom at Marian Cove, King George Island, Antarctica. <i>Polar Biology</i> , 2021, 44, 1993-2010.	1.2	6
45	Metal Concentrations in some Brown Seaweeds from Kongsfjorden on Spitsbergen, Svalbard Islands. <i>Ocean and Polar Research</i> , 2004, 26, 121-132.	0.3	6
46	Complete mitochondrial genome of the Arctic green sea urchin <i>Strongylocentrotus droebachiensis</i> (Strongylocentrotidae, Echinoidea). <i>Mitochondrial DNA</i> , 2012, 23, 369-370.	0.6	5
47	Physiological Characteristics and Related Biochemical Parameters of Snow Algae from King George Island, Antarctica. <i>Ocean Science Journal</i> , 2018, 53, 621-630.	1.3	5
48	Transcriptome information of the Arctic green sea urchin and its use in environmental monitoring. <i>Polar Biology</i> , 2014, 37, 1133-1144.	1.2	4
49	Glacial melting pulses in the Antarctica: Evidence for different responses to regional effects of global warming recorded in Antarctic bivalve shell (<i>Laternula elliptica</i>). <i>Journal of Marine Systems</i> , 2019, 197, 103179.	2.1	4
50	Seasonal Dietary Shifts of the Gammarid Amphipod <i>Gondogeneia antarctica</i> in a Rapidly Warming Fjord of the West Antarctic Peninsula. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1447.	2.6	4
51	Isolation and spectral characterization of cadmium binding metallothionein. <i>Antarctic Science</i> , 2008, 20, 33-37.	0.9	2
52	Biogeography of Southern Ocean Active Prokaryotic Communities Over a Large Spatial Scale. <i>Frontiers in Microbiology</i> , 2022, 13, 862812.	3.5	2