Ki-Tae Park

List of Publications by Year
in descending order

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42 papers	995 citations	331538 21 h-index	454834 30 g-index
64 all docs	64 docs citations	64 times ranked	1233 citing authors

#	Article	IF	Citations
1	Arctic sea ice melt leads to atmospheric new particle formation. Scientific Reports, 2017, 7, 3318.	1.6	101
2	Observational evidence for the formation of DMS-derived aerosols during Arctic phytoplankton blooms. Atmospheric Chemistry and Physics, 2017, 17, 9665-9675.	1.9	65
3	Enhanced Production of Oceanic Dimethylsulfide Resulting from CO₂-Induced Grazing Activity in a High CO₂ World. Environmental Science & Technology, 2010, 44, 8140-8143.	4.6	61
4	Reviews and syntheses: Ocean iron fertilization experiments â€“ past, present, and future looking to a future Korean Iron Fertilization Experiment in the Southern Ocean (KIFES) project. Biogeosciences, 2018, 15, 5847-5889.	1.3	60
5	Linking atmospheric dimethyl sulfide and the Arctic Ocean spring bloom. Geophysical Research Letters, 2013, 40, 155-160.	1.5	41
6	Direct Linkage between Dimethyl Sulfide Production and Microzooplankton Grazing, Resulting from Prey Composition Change under High Partial Pressure of Carbon Dioxide Conditions. Environmental Science & Technology, 2014, 48, 4750-4756.	4.6	41
7	Feeding by the newly described mixotrophic dinoflagellate Gymnodinium smaydae: Feeding mechanism, prey species, and effect of prey concentration. Journal of Experimental Marine Biology and Ecology, 2014, 459, 114-125.	0.7	38
8	Hypoxia in Korean Coastal Waters: A Case Study of the Natural Jinhae Bay and Artificial Shihwa Bay. Frontiers in Marine Science, 2018, 5, .	1.2	36
9	Pyrosequencing Revealed SAR116 Clade as Dominant dddP-Containing Bacteria in Oligotrophic NW Pacific Ocean. PLoS ONE, 2015, 10, e0116271.	1.1	35
10	Spatial and temporal variabilities of spring Asian dust events and their impacts on chlorophyllâ€a concentrations in the western North Pacific Ocean. Geophysical Research Letters, 2017, 44, 1474-1482.	1.5	33
11	Influence of Biogenic Organics on the Chemical Composition of Arctic Aerosols. Global Biogeochemical Cycles, 2019, 33, 1238-1250.	1.9	32
12	Atmospheric DMS in the Arctic Ocean and Its Relation to Phytoplankton Biomass. Global Biogeochemical Cycles, 2018, 32, 351-359.	1.9	30
13	Enhancement of photosynthetic carbon assimilation efficiency by phytoplankton in the future coastal ocean. Biogeosciences, 2013, 10, 7525-7535.	1.3	29
14	Simultaneous measurements of aerosol size distributions at three sites in the European high Arctic. Atmospheric Chemistry and Physics, 2019, 19, 7377-7395.	1.9	26
15	New particle formation events observed at King Sejong Station, Antarctic Peninsula â€“ Part 1: Physical characteristics and contribution to cloud condensation nuclei. Atmospheric Chemistry and Physics, 2019, 19, 7583-7594.	1.9	24
16	Atmospheric composition in the European Arctic and 30Âyears of the Zeppelin Observatory, Ny-Ã…lesund. Atmospheric Chemistry and Physics, 2022, 22, 3321-3369.	1.9	24
17	Shipborne observations reveal contrasting Arctic marine, Arctic terrestrial and Pacific marine aerosol properties. Atmospheric Chemistry and Physics, 2020, 20, 5573-5590.	1.9	23
18	Free amino acids in the Arctic snow and ice core samples: Potential markers for paleoclimatic studies. Science of the Total Environment, 2017, 607-608, 454-462.	3.9	21

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19	Seasonal variations in physical characteristics of aerosol particles at the King Sejong Station, Antarctic Peninsula. Atmospheric Chemistry and Physics, 2017, 17, 12985-12999.	1.9	21
20	Arctic Primary Aerosol Production Strongly Influenced by Riverine Organic Matter. Environmental Science & Technology, 2019, 53, 8621-8630.	4.6	21
21	New particle formation events observed at the King Sejong Station, Antarctic Peninsula â€“ Part 2: Link with the oceanic biological activities. Atmospheric Chemistry and Physics, 2019, 19, 7595-7608.	1.9	21
22	Atmospheric new particle formation characteristics in the Arctic as measured at Mount Zeppelin, Svalbard, from 2016 to 2018. Atmospheric Chemistry and Physics, 2020, 20, 13425-13441.	1.9	21
23	Dimethyl Sulfideâ€Induced Increase in Cloud Condensation Nuclei in the Arctic Atmosphere. Global Biogeochemical Cycles, 2021, 35, e2021GB006969.	1.9	20
24	An analytical system enabling consistent and long-term measurement of atmospheric dimethyl sulfide. Atmospheric Environment, 2016, 134, 217-223.	1.9	19
25	Highâ€frequency, accurate measurement of dimethylsulfide in surface marine environments using a microporous membrane contactor. Limnology and Oceanography: Methods, 2008, 6, 548-557.	1.0	15
26	Atmospheric dimethyl sulfide and its significant influence on the sea-to-air flux calculation over the Southern Ocean. Progress in Oceanography, 2020, 186, 102392.	1.5	15
27	Atmospheric deposition of inorganic nutrients to the Western North Pacific Ocean. Science of the Total Environment, 2021, 793, 148401.	3.9	14
28	Size-Segregated Chemical Compositions of HULISs in Ambient Aerosols Collected during the Winter Season in Songdo, South Korea. Atmosphere, 2019, 10, 226.	1.0	11
29	Large seasonal and interannual variations of biogenic sulfur compounds in the Arctic atmosphere (Svalbard; 78.9Â°â€‰N, 11.9Â°â€‰E). Atmospheric Chemistry and Physics, 2021, 21, 9761-9777.	1.9	11
30	First-year sea ice leads to an increase in dimethyl sulfide-induced particle formation in the Antarctic Peninsula. Science of the Total Environment, 2022, 803, 150002.	3.9	11
31	Improved Method for Minimizing Sulfur Loss in Analysis of Particulate Organic Sulfur. Analytical Chemistry, 2014, 86, 1352-1356.	3.2	10
32	Seasonality of aerosol chemical composition at King Sejong Station (Antarctic Peninsula) in 2013. Atmospheric Environment, 2020, 223, 117185.	1.9	10
33	Survey of Bacterial Phylogenetic Diversity During the Glacier Melting Season in an Arctic Fjord. Microbial Ecology, 2021, 81, 579-591.	1.4	9
34	Preyâ€dependent retention of dimethylsulfoniopropionate (DMSP) by mixotrophic dinoflagellates. Environmental Microbiology, 2012, 14, 605-616.	1.8	8
35	First Investigation of Microbial Community Composition in the Bridge (Gadeok Channel) between the Jinhae-Masan Bay and the South Sea of Korea. Ocean Science Journal, 2018, 53, 251-260.	0.6	6
36	N2O dynamics in the western Arctic Ocean during the summer of 2017. Scientific Reports, 2021, 11, 12589.	1.6	6

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37	Factors controlling atmospheric DMS and its oxidation products (MSA and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (nss SO Chemistry and Physics, 2022, 22, 9245-9263.	1.9	6
38	Effects of elevated CO2 concentrations on the production and biodegradability of organic matter: An in-situ mesocosm experiment. Marine Chemistry, 2016, 183, 33-40.	0.9	4
39	Molecular-Level Chemical Characterization of Dissolved Organic Matter in the Ice Shelf Systems of King George Island, Antarctica. Frontiers in Marine Science, 2020, 7, .	1.2	4
40	Sulfur hexafluoride as a complementary method for measuring the extent of point-source thermal effluents. Marine Pollution Bulletin, 2008, 56, 1294-1302.	2.3	1
41	Trace Level Determination of Saccharides in Pristine Marine Aerosols by Gas Chromatographyâ€"Tandem Mass Spectrometry. Toxics, 2021, 9, 86.	1.6	1
42	Estimating Remineralized Phosphate and Its Remineralization Rate in the Northern East China Sea During Summer 1997: A Snapshot Study Before Three-Gorges Dam Construction. Terrestrial, Atmospheric and Oceanic Sciences, 2016, 27, 955-963.	0.3	1