

Jung-Hyun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,899
citations

279798

23
h-index

265206

42
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61
all docs

61
docs citations

61
times ranked

1772
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivariate statistical analysis to identify the major factors governing groundwater quality in the coastal area of Kimje, South Korea. <i>Hydrological Processes</i> , 2005, 19, 1261-1276.	2.6	167
2	Methane hydrate formation in turbidite sediments of northern Cascadia, IODP Expedition 311. <i>Earth and Planetary Science Letters</i> , 2008, 271, 170-180.	4.4	161
3	Scientific results of the Second Gas Hydrate Drilling Expedition in the Ulleung Basin (UBGH2). <i>Marine and Petroleum Geology</i> , 2013, 47, 1-20.	3.3	158
4	The effect of diagenesis and fluid migration on rare earth element distribution in pore fluids of the northern Cascadia accretionary margin. <i>Chemical Geology</i> , 2012, 291, 152-165.	3.3	129
5	Gas hydrates in the western deep-water Ulleung Basin, East Sea of Korea. <i>Marine and Petroleum Geology</i> , 2009, 26, 1483-1498.	3.3	81
6	Production of fluorescent dissolved organic matter in Arctic Ocean sediments. <i>Scientific Reports</i> , 2016, 6, 39213.	3.3	80
7	Use of time series analysis for the identification of tidal effect on groundwater in the coastal area of Kimje, Korea. <i>Journal of Hydrology</i> , 2005, 300, 188-198.	5.4	75
8	Gas hydrate occurrences and their relation to host sediment properties: Results from Second Ulleung Basin Gas Hydrate Drilling Expedition, East Sea. <i>Marine and Petroleum Geology</i> , 2013, 47, 21-29.	3.3	74
9	Silicate weathering in anoxic marine sediment as a requirement for authigenic carbonate burial. <i>Earth-Science Reviews</i> , 2020, 200, 102960.	9.1	65
10	Characterization of gas hydrate reservoirs by integration of core and log data in the Ulleung Basin, East Sea. <i>Marine and Petroleum Geology</i> , 2013, 47, 30-42.	3.3	60
11	Carbon cycling within the sulfate-methane-transition-zone in marine sediments from the Ulleung Basin. <i>Biogeochemistry</i> , 2013, 115, 129-148.	3.5	55
12	Pore fluid chemistry from the Second Gas Hydrate Drilling Expedition in the Ulleung Basin (UBGH2): Source, mechanisms and consequences of fluid freshening in the central part of the Ulleung Basin, East Sea. <i>Marine and Petroleum Geology</i> , 2013, 47, 99-112.	3.3	53
13	Salinization properties of a shallow groundwater in a coastal reclaimed area, Yeonggwang, Korea. <i>Environmental Geology</i> , 2006, 49, 1180-1194.	1.2	52
14	Molecular and isotopic signatures in sediments and gas hydrate of the central/southwestern Ulleung Basin: high alkalinity escape fuelled by biogenically sourced methane. <i>Geo-Marine Letters</i> , 2011, 31, 37-49.	1.1	46
15	Towards quantifying the reaction network around the sulfate-methane-transition-zone in the Ulleung Basin, East Sea, with a kinetic modeling approach. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 127-141.	3.9	44
16	Gas origin and migration in the Ulleung Basin, East Sea: Results from the Second Ulleung Basin Gas Hydrate Drilling Expedition (UBGH2). <i>Marine and Petroleum Geology</i> , 2013, 47, 113-124.	3.3	42
17	Occurrence of near-seafloor gas hydrates and associated cold vents in the Ulleung Basin, East Sea. <i>Geosciences Journal</i> , 2009, 13, 371-385.	1.2	36
18	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.	8.2	36

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19	Marine silicate weathering in the anoxic sediment of the Ulleung Basin: Evidence and consequences. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3437-3453.	2.5	35
20	Sediment mounds and other sedimentary features related to hydrate occurrences in a columnar seismic blanking zone of the Ulleung Basin, East Sea, Korea. <i>Marine and Petroleum Geology</i> , 2011, 28, 1787-1800.	3.3	33
21	Inferences on gas transport based on molecular and isotopic signatures of gases at acoustic chimneys and background sites in the Ulleung Basin. <i>Organic Geochemistry</i> , 2012, 43, 26-38.	1.8	28
22	Geochemical characterization of the organic matter, pore water constituents and shallow methane gas in the eastern part of the Ulleung Basin, East Sea (Japan Sea). <i>Island Arc</i> , 2007, 16, 93-104.	1.1	27
23	Identification of the late Quaternary tephra layers in the Ulleung Basin of the East Sea using geochemical and statistical methods. <i>Marine Geology</i> , 2007, 244, 196-208.	2.1	26
24	Discharge of Meteoric Water in the Eastern Norwegian Sea since the Last Glacial Period. <i>Geophysical Research Letters</i> , 2019, 46, 8194-8204.	4.0	26
25	CO ₂ leakage detection in the near-surface above natural CO ₂ -rich water aquifer using soil gas monitoring. <i>International Journal of Greenhouse Gas Control</i> , 2019, 88, 261-271.	4.6	24
26	Tephrostratigraphy and paleo-environmental implications of Late Quaternary sediments and interstitial water in the western Ulleung Basin, East/Japan Sea. <i>Geo-Marine Letters</i> , 2005, 25, 54-62.	1.1	23
27	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.	8.0	21
28	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.	3.3	20
29	Exploring sediment porewater dissolved organic matter (DOM) in a mud volcano: Clues of a thermogenic DOM source from fluorescence spectroscopy. <i>Marine Chemistry</i> , 2019, 211, 15-24.	2.3	17
30	Biological early diagenesis and insolation-paced paleoproductivity signified in deep core sediment organic matter. <i>Scientific Reports</i> , 2017, 7, 1581.	3.3	16
31	Revisiting the origin of organic matter and depositional environment of sediment in the central Ulleung Basin, East Sea since the late Quaternary. <i>Quaternary International</i> , 2014, 344, 181-191.	1.5	14
32	Hydrogeochemical characteristics of groundwater influenced by reclamation, seawater intrusion, and land use in the coastal area of Yeonggwang, Korea. <i>Geosciences Journal</i> , 2019, 23, 603-619.	1.2	14
33	Methane Hydrate Formation in Ulleung Basin Under Conditions of Variable Salinity: Reduced Model and Experiments. <i>Transport in Porous Media</i> , 2016, 114, 1-27.	2.6	13
34	Upwarding gas source and postgenetic processes in the shallow sediments from the ARAON Mounds, Chukchi Sea. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 76, 103223.	4.4	13
35	Neodymium isotope constraints on chemical weathering and past glacial activity in Svalbard. <i>Earth and Planetary Science Letters</i> , 2020, 542, 116319.	4.4	12
36	Depressurization experiment of pressure cores from the central Ulleung Basin, East Sea: Insights into gas chemistry. <i>Organic Geochemistry</i> , 2013, 62, 86-95.	1.8	11

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37	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.	3.3	11
38	Microbial distributions detected by an oligonucleotide microarray across geochemical zones associated with methane in marine sediments from the Ulleung Basin. <i>Marine and Petroleum Geology</i> , 2013, 47, 147-154.	3.3	11
39	Exploring pore water biogeochemical characteristics as environmental monitoring proxies for a CO ₂ storage project in Pohang Basin, South Korea. <i>Marine Pollution Bulletin</i> , 2018, 137, 331-338.	5.0	10
40	Subsea permafrost as a potential major source of dissolved organic matter to the East Siberian Arctic Shelf. <i>Science of the Total Environment</i> , 2021, 777, 146100.	8.0	10
41	Inference on Paleoclimate Change Using Microbial Habitat Preference in Arctic Holocene Sediments. <i>Scientific Reports</i> , 2017, 7, 9652.	3.3	7
42	Inorganic and Organic Geochemical Characteristics of Devonian Bitumen Carbonate in Alberta, Canada. <i>Economic and Environmental Geology</i> , 2011, 44, 21-35.	0.4	6
43	Difference of the Naltrexone's Effects in Social Drinkers by Spicy Food Preference. <i>Journal of Korean Medical Science</i> , 2014, 29, 714.	2.5	5
44	Spicy Food Preference and Risk for Alcohol Dependence in Korean. <i>Psychiatry Investigation</i> , 2017, 14, 825.	1.6	5
45	Discriminative biogeochemical signatures of methanotrophs in different chemosynthetic habitats at an active mud volcano in the Canadian Beaufort Sea. <i>Scientific Reports</i> , 2019, 9, 17592.	3.3	5
46	Geochemical and Microbial Signatures of Siboglinid Tubeworm Habitats at an Active Mud Volcano in the Canadian Beaufort Sea. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
47	The impact of the abnormal salinity enrichment in pore water on the thermodynamic stability of marine natural gas hydrates in the Arctic region. <i>Science of the Total Environment</i> , 2021, 799, 149357.	8.0	5
48	Experimental verification of anomalous chloride enrichment related to methane hydrate formation in deep-sea sediments. <i>AIChE Journal</i> , 2012, 58, 322-328.	3.6	4
49	A Pulse of Meteoric Subsurface Fluid Discharging Into the Chukchi Sea During the Early Holocene Thermal Maximum (EHTM). <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009750.	2.5	4
50	Biodegradation characteristics of bitumen from the Upper Devonian carbonates (Grosmont and Nisku) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.2	3
51	Glacial and environmental changes in northern Svalbard over the last 16.3 ka inferred from neodymium isotopes. <i>Global and Planetary Change</i> , 2021, 201, 103483.	3.5	3
52	Climate-Associated Changes in Mercury Sources in the Arctic Fjord Sediments. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2398-2407.	2.7	3
53	Holocene Tephrostratigraphy in the East Sea/Japan Sea: Implications for Eruptive History of Ulleungdo Volcano and Potential for Hemispheric Synchronization of Sedimentary Archives. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	3
54	Geochemical analyses on bituminous carbonate reservoir in Alberta, Canada: focusing on the GC/GC-MS results of bitumen. <i>Geosciences Journal</i> , 2013, 17, 221-233.	1.2	2

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55	Geochemical characterization of an organic-rich carbonate from the Grosmont Formation, Alberta, Canada. <i>Geosciences Journal</i> , 2015, 19, 205-217.	1.2	2
56	Spectral Characterization of Dissolved Organic Matter in Seawater and Sediment Pore Water from the Arctic Fjords (West Svalbard) in Summer. <i>Water (Switzerland)</i> , 2021, 13, 202.	2.7	2
57	Assessing the impact of freshwater discharge on the fluid chemistry in the Svalbard fjords. <i>Science of the Total Environment</i> , 2022, 835, 155516.	8.0	2
58	Geochemical Characteristics of Devonian Bitumen Carbonates in Alberta, Canada. <i>Economic and Environmental Geology</i> , 2012, 45, 365-375.	0.4	1
59	Relationships between Gas Hydrate Occurrence Types and Sediment Characteristics in the Ulleung Basin, East Sea. <i>Economic and Environmental Geology</i> , 2012, 45, 397-406.	0.4	1
60	Characteristics of Fe Reduction Process of Shallow Groundwater in a Reclaimed Area, Kim-je. <i>Economic and Environmental Geology</i> , 2013, 46, 39-50.	0.4	1
61	Impact of High Methane Flux on the Properties of Pore Fluid and Methane-Derived Authigenic Carbonate in the ARAON Mounds, Chukchi Sea. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	1