

W-L Hong

List of Publications by Year in descending order

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61
papers

2,112
citations

257450

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254184

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all docs

74
docs citations

74
times ranked

2300
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas Hydrate Related Bottom-Simulating Reflections Along the West-Svalbard Margin, Fram Strait. , 2022, , 225-235.		1
2	Boron concentrations and isotopic compositions in methane-derived authigenic carbonates: Constraints and limitations in reconstructing formation conditions. Earth and Planetary Science Letters, 2022, 579, 117337.	4.4	7
3	Assessing the impact of freshwater discharge on the fluid chemistry in the Svalbard fjords. Science of the Total Environment, 2022, 835, 155516.	8.0	2
4	Methane transport and sources in an Arctic deep-water cold seep offshore NW Svalbard (Vestnesa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	9
5	Small calcium isotope fractionation at slow precipitation rates in methane seep authigenic carbonates. Geochimica Et Cosmochimica Acta, 2021, 298, 227-239.	3.9	8
6	Interactions between deep formation fluid and gas hydrate dynamics inferred from pore fluid geochemistry at active pockmarks of the Vestnesa Ridge, west Svalbard margin. Marine and Petroleum Geology, 2021, 127, 104957.	3.3	9
7	A Pulse of Meteoric Subsurface Fluid Discharging Into the Chukchi Sea During the Early Holocene Thermal Maximum (EHTM). Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009750.	2.5	4
8	Distinct methane-dependent biogeochemical states in Arctic seafloor gas hydrate mounds. Nature Communications, 2021, 12, 6296.	12.8	9
9	Origin and Transformation of Light Hydrocarbons Ascending at an Active Pockmark on Vestnesa Ridge, Arctic Ocean. Journal of Geophysical Research: Solid Earth, 2020, 125, e2018JB016679.	3.4	20
10	Foraminiferal $\delta^{18}O$ reveals gas hydrate dissociation in Arctic and North Atlantic ocean sediments. Geo-Marine Letters, 2020, 40, 507-523.	1.1	18
11	Microbial communities from Arctic marine sediments respond slowly to methane addition during <i>ex situ</i> enrichments. Environmental Microbiology, 2020, 22, 1829-1846.	3.8	5
12	Silicate weathering in anoxic marine sediment as a requirement for authigenic carbonate burial. Earth-Science Reviews, 2020, 200, 102960.	9.1	65
13	Shallow Gas Hydrate Accumulations at a Nigerian Deepwater Pockmarkâ€”Quantities and Dynamics. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018283.	3.4	10
14	Impact of iron release by volcanic ash alteration on carbon cycling in sediments of the northern Hikurangi margin. Earth and Planetary Science Letters, 2020, 541, 116288.	4.4	15
15	Towards a global quantification of volcanogenic aluminosilicate alteration rates through the mass balance of strontium in marine sediments. Chemical Geology, 2020, 550, 119743.	3.3	10
16	Iron cycling in Arctic methane seeps. Geo-Marine Letters, 2020, 40, 391-401.	1.1	10
17	Discharge of deeply rooted fluids from submarine mud volcanism in the Taiwan accretionary prism. Scientific Reports, 2020, 10, 381.	3.3	13
18	Discharge of Meteoric Water in the Eastern Norwegian Sea since the Last Glacial Period. Geophysical Research Letters, 2019, 46, 8194-8204.	4.0	26

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19	Fracture-controlled fluid transport supports microbial methane-oxidizing communities at Vestnesa Ridge. <i>Biogeosciences</i> , 2019, 16, 2221-2232.	3.3	21
20	Atypical biological features of a new cold seep site on the Lofoten-VesterÅlen continental margin (northern Norway). <i>Scientific Reports</i> , 2019, 9, 1762.	3.3	29
21	Image based quantitative comparisons indicate heightened megabenthos diversity and abundance at a site of weak hydrocarbon seepage in the southwestern Barents Sea. <i>PeerJ</i> , 2019, 7, e7398.	2.0	8
22	Variations in Gas and Water Pulses at an Arctic Seep: Fluid Sources and Methane Transport. <i>Geophysical Research Letters</i> , 2018, 45, 4153-4162.	4.0	30
23	Gas hydrate dissociation off Svalbard induced by isostatic rebound rather than global warming. <i>Nature Communications</i> , 2018, 9, 83.	12.8	97
24	Characterization of benthic biogeochemistry and ecology at three methane seep sites on the Northern U.S. Atlantic margin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 150, 41-56.	1.4	17
25	Geophysical and geochemical controls on the megafaunal community of a high Arctic cold seep. <i>Biogeosciences</i> , 2018, 15, 4533-4559.	3.3	49
26	Authigenic carbonate formation influenced by freshwater inputs and methanogenesis in coal-bearing strata offshore Shimokita, Japan (IODP site COO20). <i>Marine and Petroleum Geology</i> , 2018, 96, 288-303.	3.3	16
27	Sulfur diagenesis under rapid accumulation of organic-rich sediments in a marine mangrove from Guadeloupe (French West Indies). <i>Chemical Geology</i> , 2017, 454, 67-79.	3.3	24
28	Bottom-simulating reflector dynamics at Arctic thermogenic gas provinces: An example from Vestnesa Ridge, offshore west Svalbard. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 4089-4105.	3.4	49
29	Seepage from an arctic shallow marine gas hydrate reservoir is insensitive to momentary ocean warming. <i>Nature Communications</i> , 2017, 8, 15745.	12.8	59
30	Geochemical constraints on the temperature and timing of carbonate formation and lithification in the Nankai Trough, NanTroSEIZE transect. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 92-114.	3.9	31
31	Production, consumption, and migration of methane in accretionary prism of southwestern Taiwan. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2970-2989.	2.5	28
32	An integrated view of the methane system in the pockmarks at Vestnesa Ridge, 79°N. <i>Marine Geology</i> , 2017, 390, 282-300.	2.1	74
33	Reduced Numerical Model for Methane Hydrate Formation under Conditions of Variable Salinity. Time-Stepping Variants and Sensitivity. <i>Computation</i> , 2016, 4, 1.	2.0	16
34	Removal of methane through hydrological, microbial, and geochemical processes in the shallow sediments of pockmarks along eastern Vestnesa Ridge (Svalbard). <i>Limnology and Oceanography</i> , 2016, 61, S324.	3.1	42
35	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
36	Production of fluorescent dissolved organic matter in Arctic Ocean sediments. <i>Scientific Reports</i> , 2016, 6, 39213.	3.3	80

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37	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
38	Sources and turnover of organic carbon and methane in fjord and shelf sediments off northern Norway. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4011-4031.	2.5	14
39	Crustal fluid and ash alteration impacts on the biosphere of Shikoku Basin sediments, Nankai Trough, Japan. <i>Geobiology</i> , 2015, 13, 562-580.	2.4	28
40	Exploring deep microbial life in coal-bearing sediment down to ~2.5 km below the ocean floor. <i>Science</i> , 2015, 349, 420-424.	12.6	376
41	A kinetic-model approach to quantify the effect of mass transport deposits on pore water profiles in the Krishna-Godavari Basin, Bay of Bengal. <i>Marine and Petroleum Geology</i> , 2014, 58, 223-232.	3.3	25
42	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
43	Anomalous porosity preservation and preferential accumulation of gas hydrate in the Andaman accretionary wedge, NGHP-01 site 17A. <i>Marine and Petroleum Geology</i> , 2014, 58, 99-116.	3.3	38
44	Methane flux from miniseepage in mud volcanoes of SW Taiwan: Comparison with the data from Italy, Romania, and Azerbaijan. <i>Journal of Asian Earth Sciences</i> , 2013, 65, 3-12.	2.3	21
45	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
46	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
47	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
48	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
49	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
50	Soil radon flux and concentrations in hydrothermal area of the Tatun Volcano Group, Northern Taiwan. <i>Geochemical Journal</i> , 2011, 45, 483-490.	1.0	29
51	Electrical Resistivity Variations Before and After the Pingtung Earthquake in the Wushanting Mud Volcano Area in Southwestern Taiwan. <i>Journal of Environmental and Engineering Geophysics</i> , 2010, 15, 219-231.	0.5	5
52	Estimation of methane flux offshore SW Taiwan and the influence of tectonics on gas hydrate accumulation. <i>Geofluids</i> , 2010, 10, 497-510.	0.7	48
53	Nitrogen as the carrier gas for helium emission along an active fault in NW Taiwan. <i>Applied Geochemistry</i> , 2010, 25, 593-601.	3.0	22
54	Soil-gas monitoring: A tool for fault delineation studies along Hsinhua Fault (Tainan), Southern Taiwan. <i>Applied Geochemistry</i> , 2010, 25, 602-607.	3.0	83

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55	Continuous temporal soil-gas composition variations for earthquake precursory studies along Hsincheng and Hsinhua faults in Taiwan. <i>Radiation Measurements</i> , 2009, 44, 934-939.	1.4	36
56	Geochemical variation of soil-gas composition for fault trace and earthquake precursory studies along the Hsincheng fault in NW Taiwan. <i>Applied Radiation and Isotopes</i> , 2009, 67, 1855-1863.	1.5	56
57	Extremely High Methane Concentration in Bottom Water and Cored Sediments from Offshore Southwestern Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2006, 17, 903.	0.6	51
58	A test of different factors influencing the isotopic signal of planktonic foraminifera in surface sediments from the northern South China Sea. <i>Marine Micropaleontology</i> , 2005, 55, 49-62.	1.2	50
59	Data report: $^{87}\text{Sr}/^{86}\text{Sr}$ in pore fluids off Shimokita Japan. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	2
60	IODP Expedition 337: Deep Coalbed Biosphere off Shimokita – Microbial processes and hydrocarbon system associated with deeply buried coalbed in the ocean. <i>Scientific Drilling</i> , 0, 21, 17-28.	0.6	15
61	Northeast Atlantic breakup volcanism and consequences for Paleogene climate change – MagellanPlus Workshop report. <i>Scientific Drilling</i> , 0, 26, 69-85.	0.6	6