J W Jamieson

List of Publications by Year in descending order

39 papers	1,387 citations	567281 15 h-index	526287 27 g-index
41 all docs	41 docs citations	41 times ranked	1472 citing authors

#	Article	IF	Citations
1	The abundance of seafloor massive sulfide deposits. Geology, 2011, 39, 1155-1158.	4.4	319
2	News from the seabed â€“ Geological characteristics and resource potential of deep-sea mineral resources. Marine Policy, 2016, 70, 175-187.	3.2	245
3	Tectonic structure, evolution, and the nature of oceanic core complexes and their detachment fault zones (13Â°20â€²N and 13Â°30â€²N, Mid Atlantic Ridge). Geochemistry, Geophysics, Geosystems, 2017, 18, 1451-1482.	2.5	94
4	Neoarchaean seawater sulphate concentrations from sulphur isotopes in massive sulphide ore. Nature Geoscience, 2013, 6, 61-64.	12.9	85
5	Hydrothermal sulfide accumulation along the Endeavour Segment, Juan de Fuca Ridge. Earth and Planetary Science Letters, 2014, 395, 136-148.	4.4	64
6	Precipitation and growth of barite within hydrothermal vent deposits from the Endeavour Segment, Juan de Fuca Ridge. Geochimica Et Cosmochimica Acta, 2016, 173, 64-85.	3.9	55
7	Sulfide geochronology along the Endeavour Segment of the Juan de Fuca Ridge. Geochemistry, Geophysics, Geosystems, 2013, 14, 2084-2099.	2.5	53
8	Investigating sulfur pathways through the lithosphere by tracing mass independent fractionation of sulfur to the Lady Bountiful orogenic gold deposit, Yilgarn Craton. Gondwana Research, 2018, 58, 27-38.	6.0	53
9	EVALUATING ISOTOPIC EQUILIBRIUM AMONG SULFIDE MINERAL PAIRS IN ARCHEAN ORE DEPOSITS: CASE STUDY FROM THE KIDD CREEK VMS DEPOSIT, ONTARIO, CANADA. Economic Geology, 2006, 101, 1055-1061.	3.8	52
10	Microbial metalâ€sulfide oxidation in inactive hydrothermal vent chimneys suggested by metagenomic and metaproteomic analyses. Environmental Microbiology, 2019, 21, 682-701.	3.8	50
11	Boiling-induced formation of colloidal gold in black smoker hydrothermal fluids. Geology, 2018, 46, 39-42.	4.4	49
12	Mineralization and Alteration of a Modern Seafloor Massive Sulfide Deposit Hosted in Mafic Volcaniclastic Rocks. Economic Geology, 2019, 114, 857-896.	3.8	27
13	Linkages between mineralogy, fluid chemistry, and microbial communities within hydrothermal chimneys from the <scp>E</scp>ndeavour <scp>S</scp>egment, <scp>J</scp>uan de <scp>F</scp>uca <scp>R</scp>idge. Geochemistry, Geophysics, Geosystems, 2016, 17, 300-323.	2.5	25
14	The role of nanoparticles in mediating element deposition and transport at hydrothermal vents. Geochimica Et Cosmochimica Acta, 2019, 261, 113-131.	3.9	21
15	Modern Sea-Floor Massive Sulfides and Base Metal Resources<subtitle>Toward an Estimate of Global Sea-Floor Massive Sulfide Potential</subtitle>. , 2010, , .		20
16	Physico-chemical properties of newly discovered hydrothermal plumes above the Southern Mid-Atlantic Ridge (13Â°-33Â°S). Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 148, 34-52.	1.4	19
17	Structural Control, Evolution, and Accumulation Rates of Massive Sulfides in the TAG Hydrothermal Field. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009185.	2.5	16
18	Expedition 376 methods. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	15

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19	Magnetic imaging of subseafloor hydrothermal fluid circulation pathways. Science Advances, 2020, 6, .	10.3	13
20	Hydrothermal Chimney Distribution on the Endeavour Segment, Juan de Fuca Ridge. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC008917.	2.5	13
21	Magnetite formation from ferrihydrite by hyperthermophilic archaea from <scp>E</scp>ndeavour <scp>S</scp>egment, <scp>J</scp>uan de <scp>F</scp>uca <scp>R</scp>idge hydrothermal vent chimneys. Geobiology, 2014, 12, 200-211.	2.4	12
22	Oxidizing fluids associated with detachment hosted hydrothermal systems: Example from the Suye hydrothermal field on the ultraslow-spreading Southwest Indian Ridge. Geochimica Et Cosmochimica Acta, 2022, 328, 19-36.	3.9	12
23	Magnetic and Gravity Surface Geometry Inverse Modeling of the TAG Active Mound. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022228.	3.4	11
24	Expedition 376 summary. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	9
25	Threeâ€Dimensional Spatially Constrained Sulfur Isotopes Highlight Processes Controlling Sulfur Cycling in the Near Surface of the Iheya North Hydrothermal System, Okinawa Trough. Geochemistry, Geophysics, Geosystems, 2018, 19, 2798-2812.	2.5	8
26	Site U1528. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	7
27	Mineral-scale variation in the trace metal and sulfur isotope composition of pyrite: implications for metal and sulfur sources in mafic VMS deposits. Mineralium Deposita, 2022, 57, 911-933.	4.1	7
28	Hydrothermalism. Encyclopedia of Earth Sciences Series, 2016, , 344-357.	0.1	5
29	Site U1530. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	5
30	Site U1527. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	5
31	Age and Rate of Accumulation of Metalâ€Rich Hydrothermal Deposits on the Seafloor: The Lucky Strike Vent Field, Midâ€Atlantic Ridge. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	4
32	Volcanogenic Massive Sulfides. , 2014, , 1-9.		3
33	Site U1529. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	3
34	Effects of Substrate Composition and Subsurface Fluid Pathways on the Geochemistry of Seafloor Hydrothermal Deposits at the Lucky Strike Vent Field, Midâ€Atlantic Ridge. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	3
35	Seafloor massive sulfide deposits: Continuing efforts toward a global estimate of seafloor massive sulfides. , 2015, , .		1
36	Site U1531. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	1

#	Article	IF	Citations
37	Non-Vent Megafaunal Communities on the Endeavour and Middle Valley Segments of the Juan de Fuca Ridge, Northeast Pacific Ocean. Frontiers in Marine Science, 2022, 9, .	2.5	1
38	Modelling the geometry of the Trans-Atlantic Geotraverse seafloor massive sulphide deposit through magnetic surface geometry inversion. , 2020, , .		0
39	Hydrothermalism. , 2015, , 1-20.		0