

Marvin D Lilley

List of Publications by Year in descending order

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218592

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3696
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal Exploration of the Southern Chile Rise: Sediment-Hosted Venting at the Chile Triple Junction. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	1.0	0
2	Extensive decentralized hydrogen export from the Atlantis Massif. <i>Geology</i> , 2021, 49, 851-856.	2.0	5
3	The Seven Sisters Hydrothermal System: First Record of Shallow Hybrid Mineralization Hosted in Mafic Volcaniclasts on the Arctic Mid-Ocean Ridge. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 439.	0.8	6
4	Discovery of Hydrothermal Vent Fields on Alarc3n Rise and in Southern Pescadero Basin, Gulf of California. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4788-4819.	1.0	40
5	Mantle-Derived Helium and Multiple Methane Sources in Gas Bubbles of Cold Seeps Along the Cascadia Continental Margin. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4476-4486.	1.0	22
6	A preliminary 1-D model investigation of tidal variations of temperature and chlorinity at the Grotto mound, Endeavour Segment, Juan de Fuca Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 75-92.	1.0	8
7	Rapid variations in fluid chemistry constrain hydrothermal phase separation at the Main Endeavour Field. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 531-543.	1.0	6
8	Metagenomic identification of active methanogens and methanotrophs in serpentinite springs of the Voltri Massif, Italy. <i>PeerJ</i> , 2017, 5, e2945.	0.9	91
9	Fluid composition of the sediment-influenced Loki's Castle vent field at the ultra-slow spreading Arctic Mid-Ocean Ridge. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 187, 156-178.	1.6	36
10	Hydrothermal venting and mineralization in the crater of Kickeny submarine volcano, Grenada (Lesser Antilles). <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1000-1019.	1.0	10
11	Linkages between mineralogy, fluid chemistry, and microbial communities within hydrothermal chimneys from the Endeavour Segment, Juan de Fuca Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 300-323.	1.0	25
12	Hydrogen and thiosulfate limits for growth of a thermophilic, autotrophic <i>Desulfurobacterium</i> species from a deep-sea hydrothermal vent. <i>Environmental Microbiology Reports</i> , 2016, 8, 196-200.	1.0	7
13	Giant lacustrine pockmarks with subaqueous groundwater discharge and subsurface sediment mobilization. <i>Geophysical Research Letters</i> , 2015, 42, 3465-3473.	1.5	33
14	Helium isotope, ³ H, and ¹⁵ N signatures in the northern Lau Basin: Distinguishing arc, back-arc, and hotspot affinities. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1133-1155.	1.0	50
15	Development and application of a gas chromatography method for simultaneously measuring H ₂ and CH ₄ in hydrothermal plume samples. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 722-730.	1.0	9
16	Eruptive modes and hiatus of volcanism at West Mata seamount, NE Lau basin: 1996-2012. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4093-4115.	1.0	26
17	Understanding a submarine eruption through time series hydrothermal plume sampling of dissolved and particulate constituents: West Mata, 2008-2012. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4631-4650.	1.0	31
18	Seafloor deformation and forecasts of the April 2011 eruption at Axial Seamount. <i>Nature Geoscience</i> , 2012, 5, 474-477.	5.4	104

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19	Endeavour Segment of the Juan de Fuca Ridge: One of the Most Remarkable Places on Earth. <i>Oceanography</i> , 2012, 25, 44-61.	0.5	65
20	Unique event plumes from a 2008 eruption on the Northeast Lau Spreading Center. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	37
21	Influence of subsurface biosphere on geochemical fluxes from diffuse hydrothermal fluids. <i>Nature Geoscience</i> , 2011, 4, 461-468.	5.4	100
22	Active submarine eruption of boninite in the northeastern Lau Basin. <i>Nature Geoscience</i> , 2011, 4, 799-806.	5.4	163
23	A seismic swarm and regional hydrothermal and hydrologic perturbations: The northern Endeavour segment, February 2005. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	1.0	20
24	Hydrothermal activity at the Arctic mid-ocean ridges. <i>Geophysical Monograph Series</i> , 2010, , 67-89.	0.1	52
25	Parameters of subsurface brines and hydrothermal processes 12–15 months after the 1999 magmatic event at the Main Endeavor Field as inferred from in situ time series measurements of chloride and temperature. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	9
26	Venting of a separate CO ₂ -rich gas phase from submarine arc volcanoes: Examples from the Mariana and Tonga–Kermadec arcs. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	68
27	Chemistry of vent fluids and its implications for subsurface conditions at Sea Cliff hydrothermal field, Gorda Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	1.0	22
28	Submarine venting of liquid carbon dioxide on a Mariana Arc volcano. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	1.0	139
29	A Serpentinite-Hosted Ecosystem: The Lost City Hydrothermal Field. <i>Science</i> , 2005, 307, 1428-1434.	6.0	1,037
30	Composition of shelf methane seeps on the Cascadia Continental Margin. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	17
31	Diffuse flow hydrothermal fluids from 9° 50' N East Pacific Rise: Origin, evolution and biogeochemical controls. <i>Geophysical Monograph Series</i> , 2004, , 245-268.	0.1	83
32	Mixing, reaction and microbial activity in the sub-seafloor revealed by temporal and spatial variation in diffuse flow vents at axial volcano. <i>Geophysical Monograph Series</i> , 2004, , 269-289.	0.1	98
33	Volatiles in submarine environments: Food for life. <i>Geophysical Monograph Series</i> , 2004, , 167-189.	0.1	17
34	Magmatic events can produce rapid changes in hydrothermal vent chemistry. <i>Nature</i> , 2003, 422, 878-881.	13.7	221
35	An off-axis hydrothermal vent field near the Mid-Atlantic Ridge at 30° N. <i>Nature</i> , 2001, 412, 145-149.	13.7	997
36	Seafloor eruptions and evolution of hydrothermal fluid chemistry. , 1999, , 153-170.		4

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37	Seafloor eruptions and evolution of hydrothermal fluid chemistry. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1997, 355, 369-386.	1.6	220
38	Gradients in the composition of hydrothermal fluids from the Endeavour segment vent field: Phase separation and brine loss. Journal of Geophysical Research, 1994, 99, 9561-9583.	3.3	233
39	Rapid growth at deep-sea vents. Nature, 1994, 371, 663-664.	13.7	203
40	Anomalous CH ₄ and NH ₄ ⁺ concentrations at an unsedimented mid-ocean-ridge hydrothermal system. Nature, 1993, 364, 45-47.	13.7	312
41	Enhanced microbial methane oxidation in water from a deep-sea hydrothermal vent field at simulated in situ hydrostatic pressures. Limnology and Oceanography, 1991, 36, 565-570.	1.6	27
42	Submarine venting of phase-separated hydrothermal fluids at Axial Volcano, Juan de Fuca Ridge. Nature, 1989, 340, 702-705.	13.7	145
43	Estimation of heat and chemical fluxes from a seafloor hydrothermal vent field using radon measurements. Nature, 1988, 334, 604-607.	13.7	114
44	Methane in surface waters of Oregon estuaries and rivers ¹ . Limnology and Oceanography, 1987, 32, 716-722.	1.6	112
45	Nitrous Oxide Release from Aerobic Riverine Deposits. Journal of Freshwater Ecology, 1987, 4, 209-218.	0.5	7
46	Chemical and Biochemical Transformations in Hydrothermal Plumes. Geophysical Monograph Series, 0, , 369-391.	0.1	46