

# Sharon L Walker

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

450  
citations

687363

13  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

591  
citing authors

#	ARTICLE	IF	CITATIONS
1	How many vent fields? New estimates of vent field populations on ocean ridges from precise mapping of hydrothermal discharge locations. <i>Earth and Planetary Science Letters</i> , 2016, 449, 186-196.	4.4	92
2	Chemistry of hydrothermal plumes above submarine volcanoes of the Mariana Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	62
3	Abundant hydrothermal venting along melt-rich and melt-free ridge segments in the Lau back-arc basin. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	40
4	Unique event plumes from a 2008 eruption on the Northeast Lau Spreading Center. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	37
5	Hydrothermal cooling along the Eastern Lau Spreading Center: No evidence for discharge beyond the neovolcanic zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	26
6	Discovery of Active Hydrothermal Vent Fields Along the Central Indian Ridge, 8°–12°S. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009058.	2.5	26
7	Geological interpretation of volcanism and segmentation of the Mariana back-arc spreading center between 12.7°N and 18.3°N. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2240-2274.	2.5	25
8	A Recent Volcanic Eruption Discovered on the Central Mariana Back-Arc Spreading Center. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	22
9	Decay of hydrothermal output following the 1998 seafloor eruption at Axial Volcano: Observations and models. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	21
10	Physico-chemical properties of newly discovered hydrothermal plumes above the Southern Mid-Atlantic Ridge (13°–33°S). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 148, 34-52.	1.4	19
11	The NE Lau Basin: Widespread and Abundant Hydrothermal Venting in the Back-Arc Region Behind a Superfast Subduction Zone. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	18
12	Short-term variations in the distribution of hydrothermal plumes along a superfast spreading center, East Pacific Rise, 27°30′–32°20′S. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	16
13	The Effect of Arc Proximity on Hydrothermal Activity Along Spreading Centers: New Evidence From the Mariana Back Arc (12.7°N–18.3°N). <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4211-4228.	2.5	15
14	Deep-Sea Volcanic Eruptions Create Unique Chemical and Biological Linkages Between the Subsurface Lithosphere and the Oceanic Hydrosphere. <i>Oceanography</i> , 2018, 31, 128-135.	1.0	13
15	Posteruptive Enhancement of Hydrothermal Activity: A 33-Year, Multi-eruption Time Series at Axial Seamount (Juan de Fuca Ridge). <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 814-828.	2.5	9
16	The characteristics of Fe speciation and Fe-binding ligands in the Mariana back-arc hydrothermal plumes. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 292, 24-36.	3.9	8
17	Methane Plume Emissions Associated With Puget Sound Faults in the Cascadia Forearc. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	1