

Kevin T M Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,872
citations

516215

16
h-index

752256

20
g-index

20
all docs

20
docs citations

20
times ranked

1929
citing authors

#	ARTICLE	IF	CITATIONS
1	Melting in the oceanic upper mantle: An ion microprobe study of diopsides in abyssal peridotites. <i>Journal of Geophysical Research</i> , 1990, 95, 2661-2678.	3.3	1,091
2	Experimental determination of partition coefficients for rare earth and high-field-strength elements between clinopyroxene, garnet, and basaltic melt at high pressures. <i>Contributions To Mineralogy and Petrology</i> , 1998, 133, 60-68.	1.2	444
3	High-field-strength element depletions in arc basalts due to mantle-magma interaction. <i>Nature</i> , 1990, 345, 521-524.	13.7	339
4	Open system melting and temporal and spatial variation of peridotite and basalt at the Atlantis II Fracture Zone. <i>Journal of Geophysical Research</i> , 1992, 97, 9219-9241.	3.3	297
5	Geochemistry of a long in-situ section of intrusive slow-spread oceanic lithosphere: Results from IODP Site U1309 (Atlantis Massif, 30°N Mid-Atlantic-Ridge). <i>Earth and Planetary Science Letters</i> , 2009, 279, 110-122.	1.8	144
6	Genesis of the Western Samoa seamount province: age, geochemical fingerprint and tectonics. <i>Earth and Planetary Science Letters</i> , 2004, 227, 37-56.	1.8	96
7	Local and regional variation of MORB parent magmas: evidence from melt inclusions from the Endeavour Segment of the Juan de Fuca Ridge. <i>Contributions To Mineralogy and Petrology</i> , 1999, 134, 342-363.	1.2	71
8	Hotspot-ridge interaction along the Southeast Indian Ridge near Amsterdam and St. Paul islands: helium isotope evidence. <i>Earth and Planetary Science Letters</i> , 1999, 167, 297-310.	1.8	69
9	Petrogenesis of Tholeiitic Lavas from the Submarine Hana Ridge, Haleakala Volcano, Hawaii. <i>Journal of Petrology</i> , 2004, 45, 2067-2099.	1.1	46
10	Detection of hydrothermal plumes along the Southeast Indian Ridge near the Amsterdam-St. Paul Plateau. <i>Geophysical Research Letters</i> , 1998, 25, 97-100.	1.5	45
11	Isotope Compositions of Submarine Hana Ridge Lavas, Haleakala Volcano, Hawaii: Implications for Source Compositions, Melting Process and the Structure of the Hawaiian Plume. <i>Journal of Petrology</i> , 2006, 47, 255-275.	1.1	39
12	Anomalous seafloor spreading of the Southeast Indian Ridge near the Amsterdam-St. Paul Plateau. <i>Journal of Geophysical Research</i> , 2000, 105, 8243-8262.	3.3	37
13	Segregation of high pressure partial melts from peridotite using aggregates of diamond: A New experimental approach. <i>Geophysical Research Letters</i> , 1992, 19, 1703-1706.	1.5	32
14	Boomerang Seamount: the active expression of the Amsterdam-St. Paul hotspot, Southeast Indian Ridge. <i>Earth and Planetary Science Letters</i> , 2000, 183, 245-259.	1.8	32
15	In situ carbon mineralization in ultramafic rocks: Natural processes and possible engineered methods. <i>Energy Procedia</i> , 2018, 146, 92-102.	1.8	30
16	Noble gas and geochronology study of the Hana Ridge, Haleakala volcano, Hawaii; implications to the temporal change of magma source and the structural evolution of the submarine ridge. <i>Chemical Geology</i> , 2007, 238, 1-18.	1.4	16
17	Petrology of seamounts northwest of Samoa and their relation to Samoan volcanism. <i>Bulletin of Volcanology</i> , 1986, 48, 225-235.	1.1	13
18	Petrological systematics of submarine basalt glasses from the Puna Ridge, Hawai'i: Implications for rift zone plumbing and magmatic processes. <i>Geophysical Monograph Series</i> , 2002, , 143-159.	0.1	12

#	ARTICLE	IF	CITATIONS
19	Major Mineral Fraction and Physical Properties of Carbonated Peridotite (Listvenite) From ICDP Oman Drilling Project Hole BT1B Inferred From X-ray CT Core Images. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022719.	1.4	11
20	Geochemical sourcing of rock specimens and stone artifacts from Nihoa and Necker Islands, Hawai'i. Journal of Archaeological Science, 2007, 34, 858-871.	1.2	8