Kevin T M Johnson

List of Publications by Year
in descending order

20 papers	2,872 citations	516710 16 h-index	752698 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. Journal of Geophysical Research, 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. Contributions To Mineralogy and Petrology, 1998, 133, 60-68.	3.1	444
3	High-field-strength element depletions in arc basalts due to mantleâ€"magma interaction. Nature, 1990, 345, 521-524.	27.8	339
4	Open system melting and temporal and spatial variation of peridotite and basalt at the Atlantis II Fracture Zone. Journal of Geophysical Research, 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, 30Â°N Mid-Atlantic-Ridge). Earth and Planetary Science Letters, 2009, 279, 110-122.	4.4	144
6	Genesis of the Western Samoa seamount province: age, geochemical fingerprint and tectonics. Earth and Planetary Science Letters, 2004, 227, 37-56.	4.4	96
7	Local and regional variation of MORB parent magmas: evidence from melt inclusions from the Endeavour Segment of the Juan de Fuca Ridge. Contributions To Mineralogy and Petrology, 1999, 134, 342-363.	3.1	71
8	Hotspotâ€"ridge interaction along the Southeast Indian Ridge near Amsterdam and St. Paul islands: helium isotope evidence. Earth and Planetary Science Letters, 1999, 167, 297-310.	4.4	69
9	Petrogenesis of Tholeiitic Lavas from the Submarine Hana Ridge, Haleakala Volcano, Hawaii. Journal of Petrology, 2004, 45, 2067-2099.	2.8	46
10	Detection of hydrothermal plumes along the Southeast Indian Ridge near the Amsterdam-St. Paul Plateau. Geophysical Research Letters, 1998, 25, 97-100.	4.0	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. Journal of Petrology, 2006, 47, 255-275.	2.8	39
12	Anomalous seafloor spreading of the Southeast Indian Ridge near the Amsterdam-St. Paul Plateau. Journal of Geophysical Research, 2000, 105, 8243-8262.	3.3	37
13	Segregation of high pressure partial melts from peridotite using aggregates of diamond: A New experimental approach. Geophysical Research Letters, 1992, 19, 1703-1706.	4.0	32
14	Boomerang Seamount: the active expression of the Amsterdamâ€"St. Paul hotspot, Southeast Indian Ridge. Earth and Planetary Science Letters, 2000, 183, 245-259.	4.4	32
15	In situ carbon mineralization in ultramafic rocks: Natural processes and possible engineered methods. Energy Procedia, 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. Chemical Geology, 2007, 238, 1-18.	3.3	16
17	Petrology of seamounts northwest of Samoa and their relation to Samoan volcanism. Bulletin of Volcanology, 1986, 48, 225-235.	3.0	13
18	Petrological systematics of submarine basalt glasses from the Puna Ridge, Hawai'i: Implications for rift zone plumbing and magmatic processes. Geophysical Monograph Series, 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 Xâ€Ray CT Core Images. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022719.	3.4	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.	2.4	8