Jeffrey A Karson

List of Publications by Year
in descending order

19 papers	3,745 citations	687363 13 h-index	888059 17 g-index
20 all docs	20 docs citations	20 times ranked	2969 citing authors

#	Article	IF	Citations
1	Abiotic hydrogen (H ₂) sources and sinks near the Mid-Ocean Ridge (MOR) with implications for the subseafloor biosphere. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13283-13293.	7.1	29
2	Magnetic exploration of a low-temperature ultramafic-hosted hydrothermal site (Lost City, 30Â°N,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.4	7
3	Global rate and distribution of H₂ gas produced by serpentinization within oceanic lithosphere. Geophysical Research Letters, 2016, 43, 6435-6443.	4.0	29
4	Internal Structure of Oceanic Lithosphere: A Perspective from Tectonic Windows. Geophysical Monograph Series, 2013, , 177-218.	0.1	65
5	Geological Consequences of Dike Intrusion at Mid-Ocean Ridge Spreading Centers. Geophysical Monograph Series, 2013, , 117-136.	0.1	32
6	Faults and damage zones in fastâ€spread crust exposed on the north wall of the Hess Deep Rift: Conduits and seals in seafloor hydrothermal systems. Geochemistry, Geophysics, Geosystems, 2007, 8, .	2.5	18
7	Mass transfer and fluid flow during detachment faulting and development of an oceanic core complex, Atlantis Massif (MAR 30Â°N). Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	213
8	A Serpentinite-Hosted Ecosystem: The Lost City Hydrothermal Field. Science, 2005, 307, 1428-1434.	12.6	1,037
9	30,000 Years of Hydrothermal Activity at the Lost City Vent Field. Science, 2003, 301, 495-498.	12.6	361
10	Geology of the Atlantis Massif (Mid-Atlantic Ridge, 30Â°â€‰N): Implications for the evolution of an ultramafic oceanic core complex. Marine Geophysical Researches, 2002, 23, 443-469.	1.2	185
11	An off-axis hydrothermal vent field near the Mid-Atlantic Ridge at 30Â° N. Nature, 2001, 412, 145-149.	27.8	997
12	Dike orientations, fault-block rotations, and the construction of slow spreading oceanic crust at 22Â°40â€²N on the Mid-Atlantic Ridge. Journal of Geophysical Research, 1998, 103, 663-676.	3.3	19
13	Structural settings of hydrothermal outflow: Fracture permeability maintained by fault propagation and interaction. Journal of Volcanology and Geothermal Research, 1997, 79, 149-168.	2.1	345
14	Paleomagnetism of tilted dikes in fast spread oceanic crust exposed in the Hess Deep Rift: Implications for spreading and rift propagation. Tectonics, 1994, 13, 789-802.	2.8	45
15	Along-axis variations in tectonic extension and accommodation zones in the MARK Area, Mid-Atlantic Ridge 23Â°N latitude. Geological Society Special Publication, 1992, 60, 107-116.	1.3	9
16	Accommodation Zones and Transfer Faults: Integral Components of Mid-Atlantic Ridge Extensional Systems. Petrology and Structural Geology, 1991, , 21-37.	0.5	15
17	Block-tilting, transfer faults, and structural control of magmatic and hydrothermal processesin the TAG area, Mid-Atlantic Ridge 26Â°N. Bulletin of the Geological Society of America, 1990, 102, 1635-1645.	3.3	119
18	Ultramafic-Mafic Plutonic Rock Suites Exposed Along the Mid-Atlantic Ridge (10Â°N-30Â°N). Symmetrical-Asymmetrical Distribution and Implications for Seafloor Spreading Processes.. Geophysical Monograph Series, 0, , 153-176.	0.1	60

#	Article	IF	Citations
19	Magmatism at Mid-Ocean Ridges: Constraints from Volcanological and Geochemical Investigations. Geophysical Monograph Series, 0, , 59-115.	0.1	160