Jeffrey Karson

List of Publications by Year
in descending order

23 papers	2,830 citations	687363 13 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	2059 citing authors

#	Article	IF	Citations
1	An off-axis hydrothermal vent field near the Mid-Atlantic Ridge at 30Â° N. Nature, 2001, 412, 145-149.	27.8	997
2	Chemistry of hot springs on the Mid-Atlantic Ridge. Nature, 1988, 335, 514-519.	27.8	400
3	Along-axis variations in seafloor spreading in the MARK area. Nature, 1987, 328, 681-685.	27.8	283
4	Tectonics of ridge-transform intersections at the Kane fracture zone. Marine Geophysical Researches, 1983, 6, 51-98.	1.2	277
5	Structural Processes at Slow-Spreading Ridges. Science, 1992, 257, 627-634.	12.6	192
6	Detachment shear zone of the Atlantis Massif core complex, Mid-Atlantic Ridge, 30Â°N. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	147
7	Emplacement of deep crustal and mantle rocks on the west median valley wall of the MARK area (MAR,) Tj ETQq1 1 0.784314 rgBT /Ov	2.2	126
8	Structure of uppermost fast-spread oceanic crust exposed at the Hess Deep Rift: Implications for subaxial processes at the East Pacific Rise. Geochemistry, Geophysics, Geosystems, 2002, 3, n/a-n/a.	2.5	111
9	Magma chamber profiles from the Bay of Islands ophiolite complex. Nature, 1981, 292, 295-301.	27.8	77
10	The geology of the Oceanographer Transform: The transform domain. Marine Geophysical Researches, 1985, 7, 329-358.	1.2	45
11	Observation of sections of oceanic crust and mantle cropping out on the southern wall of Kane FZ (N. Atlantic). Terra Nova, 1994, 6, 143-148.	2.1	39
12	Insights on lavaâ€“ice/snow interactions from large-scale basaltic melt experiments. Geology, 2013, 41, 851-854.	4.4	39
13	The Iceland Plate Boundary Zone: Propagating Rifts, Migrating Transforms, and Riftâ€Parallel Strikeâ€Slip Faults. Geochemistry, Geophysics, Geosystems, 2017, 18, 4043-4054.	2.5	27
14	Large Rotations of Crustal Blocks in the TjÃ¶rnes Fracture Zone of Northern Iceland. Tectonics, 2018, 37, 1607-1625.	2.8	12
15	Textural Character of Gabbroic Rocks from Pito Deep: a Record of Magmatic Processes and the Genesis of the Upper Plutonic Crust at Fast-Spreading Mid-Ocean Ridges. Journal of Petrology, 2019, 60, 997-1026.	2.8	12
16	Riftâ€Parallel Strikeâ€Slip Faulting Near the Iceland Plate Boundary Zone: Implications for Propagating Rifts. Tectonics, 2018, 37, 4567-4594.	2.8	10
17	Multiple-generation folding and non-coaxial strain of lava crusts. Bulletin of Volcanology, 2018, 80, 1.	3.0	9
18	The effect of bubbles on the rheology of basaltic lava flows: Insights from large-scale two-phase experiments. Earth and Planetary Science Letters, 2020, 548, 116504.	4.4	8

#	Article	IF	Citations
19	Lithosphere age, depth and structural complications resulting from migrating transform faults. Journal of the Geological Society, 1986, 143, 785-788.	2.1	7
20	Alongâ€Axis Structure and Crustal Construction Processes of Spreading Segments in Iceland: Implications for Magmatic Rifts. Tectonics, 2017, 36, 2068-2084.	2.8	7
21	Imagining and constraining ferrovolcanic eruptions and landscapes through large-scale experiments. Nature Communications, 2021, 12, 1711.	12.8	3
22	Subvolcanic subsidence and caldera formation during subaerial seafloor spreading in Iceland. Bulletin of the Geological Society of America, 2012, 124, 1310-1323.	3.3	2
23	Magma chamber profiles from Bay of Islands ophiolite complex (reply). Nature, 1982, 295, 717-717.	27.8	0