

Jeffrey Karson

List of Publications by Year in descending order

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Version: 2024-02-01

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	Imaging and constraining ferrovulcanic eruptions and landscapes through large-scale experiments. <i>Nature Communications</i> , 2021, 12, 1711.	12.8	3
2	The effect of bubbles on the rheology of basaltic lava flows: Insights from large-scale two-phase experiments. <i>Earth and Planetary Science Letters</i> , 2020, 548, 116504.	4.4	8
3	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. <i>Journal of Petrology</i> , 2019, 60, 997-1026.	2.8	12
4	Large Rotations of Crustal Blocks in the Tj�rnnes Fracture Zone of Northern Iceland. <i>Tectonics</i> , 2018, 37, 1607-1625.	2.8	12
5	Multiple-generation folding and non-coaxial strain of lava crusts. <i>Bulletin of Volcanology</i> , 2018, 80, 1.	3.0	9
6	Rift��Parallel Strike��Slip Faulting Near the Iceland Plate Boundary Zone: Implications for Propagating Rifts. <i>Tectonics</i> , 2018, 37, 4567-4594.	2.8	10
7	Along��Axis Structure and Crustal Construction Processes of Spreading Segments in Iceland: Implications for Magmatic Rifts. <i>Tectonics</i> , 2017, 36, 2068-2084.	2.8	7
8	The Iceland Plate Boundary Zone: Propagating Rifts, Migrating Transforms, and Rift��Parallel Strike��Slip Faults. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4043-4054.	2.5	27
9	Insights on lava��ice/snow interactions from large-scale basaltic melt experiments. <i>Geology</i> , 2013, 41, 851-854.	4.4	39
10	Subvolcanic subsidence and caldera formation during subaerial seafloor spreading in Iceland. <i>Bulletin of the Geological Society of America</i> , 2012, 124, 1310-1323.	3.3	2
11	Detachment shear zone of the Atlantis Massif core complex, Mid-Atlantic Ridge, 30��N. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	147
12	Structure of uppermost fast-spread oceanic crust exposed at the Hess Deep Rift: Implications for subaxial processes at the East Pacific Rise. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, n/a-n/a.	2.5	111
13	An off-axis hydrothermal vent field near the Mid-Atlantic Ridge at 30�� N. <i>Nature</i> , 2001, 412, 145-149.	27.8	997
14	Observation of sections of oceanic crust and mantle cropping out on the southern wall of Kane FZ (N. Atlantic). <i>Terra Nova</i> , 1994, 6, 143-148.	2.1	39
15	Structural Processes at Slow-Spreading Ridges. <i>Science</i> , 1992, 257, 627-634.	12.6	192
16	Emplacement of deep crustal and mantle rocks on the west median valley wall of the MARK area (MAR), Tj�rnnes Fracture Zone (TFZ), Iceland. <i>Journal of Petrology</i> , 2016, 57, 1-12.	2.2	126
17	Chemistry of hot springs on the Mid-Atlantic Ridge. <i>Nature</i> , 1988, 335, 514-519.	27.8	400
18	Along-axis variations in seafloor spreading in the MARK area. <i>Nature</i> , 1987, 328, 681-685.	27.8	283

#	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	The geology of the Oceanographer Transform: The transform domain. Marine Geophysical Researches, 1985, 7, 329-358.	1.2	45
21	Tectonics of ridge-transform intersections at the Kane fracture zone. Marine Geophysical Researches, 1983, 6, 51-98.	1.2	277
22	Magma chamber profiles from Bay of Islands ophiolite complex (reply). Nature, 1982, 295, 717-717.	27.8	0
23	Magma chamber profiles from the Bay of Islands ophiolite complex. Nature, 1981, 292, 295-301.	27.8	77