

Richard Walker

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

954
citations

567281

15
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752698

20
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28
all docs

28
docs citations

28
times ranked

1155
citing authors

#	ARTICLE	IF	CITATIONS
1	Segment tip geometry of sheet intrusions, II: Field observations of tip geometries and a model for evolving emplacement mechanisms. <i>Volcanica</i> , 2021, 4, 203-225.	1.8	10
2	Segment tip geometry of sheet intrusions, I: Theory and numerical models for the role of tip shape in controlling propagation pathways. <i>Volcanica</i> , 2021, 4, 189-201.	1.8	6
3	The Roles of Elastic Properties, Magmatic Pressure, and Tectonic Stress in Saucer-Shaped Sill Growth. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019041.	3.4	6
4	Laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) U-Pb carbonate geochronology: strategies, progress, and limitations. <i>Geochronology</i> , 2020, 2, 33-61.	2.5	129
5	Structural signatures of igneous sheet intrusion propagation. <i>Journal of Structural Geology</i> , 2019, 125, 148-154.	2.3	30
6	Geophysical evidence for crustal and mantle weak zones controlling intra-plate seismicity – the 2017 Botswana earthquake sequence. <i>Earth and Planetary Science Letters</i> , 2019, 506, 175-183.	4.4	26
7	Thermal Damage and Pore Pressure Effects of the Brittle-Ductile Transition in Comiso Limestone. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7644-7660.	3.4	33
8	Normal fault growth in layered basaltic rocks: The role of strain rate in fault evolution. <i>Journal of Structural Geology</i> , 2018, 115, 103-120.	2.3	13
9	Igneous sills record far-field and near-field stress interactions during volcano construction: Isle of Mull, Scotland. <i>Earth and Planetary Science Letters</i> , 2017, 478, 159-174.	4.4	36
10	Stress concentrations around voids in three dimensions: The roots of failure. <i>Journal of Structural Geology</i> , 2017, 102, 193-207.	2.3	79
11	Pore geometry as a control on rock strength. <i>Earth and Planetary Science Letters</i> , 2017, 457, 38-48.	4.4	92
12	U-Pb geochronology of calcite-mineralized faults: Absolute timing of rift-related fault events on the northeast Atlantic margin. <i>Geology</i> , 2016, 44, 531-534.	4.4	157
13	Controls on transgressive sill growth. <i>Geology</i> , 2016, 44, 99-102.	4.4	24
14	The estimation of fault slip from map data: The separation-pitch diagram. <i>Tectonophysics</i> , 2013, 583, 158-163.	2.2	9
15	Fault zone architecture and fluid flow in interlayered basaltic volcanoclastic-crystalline sequences. <i>Journal of Structural Geology</i> , 2013, 51, 92-104.	2.3	42
16	Fault zone permeability structure evolution in basalts. <i>Geology</i> , 2013, 41, 59-62.	4.4	48
17	Fault-zone evolution in layered basalt sequences: A case study from the Faroe Islands, NE Atlantic margin. <i>Bulletin of the Geological Society of America</i> , 2012, 124, 1382-1393.	3.3	15
18	Onshore evidence for progressive changes in rifting directions during continental break-up in the NE Atlantic. <i>Journal of the Geological Society</i> , 2011, 168, 27-48.	2.1	22

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19	Fault rocks from the SAFOD core samples: Implications for weakening at shallow depths along the San Andreas Fault, California. <i>Journal of Structural Geology</i> , 2011, 33, 132-144.	2.3	148
20	The development of cavities and clastic infills along fault-related fractures in Tertiary basalts on the NE Atlantic margin. <i>Journal of Structural Geology</i> , 2011, 33, 92-106.	2.3	25