

Christie D Rowe

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,876
citations

361413

20
h-index

265206

42
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49
all docs

49
docs citations

49
times ranked

1523
citing authors

#	ARTICLE	IF	CITATIONS
1	How Fault Rocks Form and Evolve in the Shallow San Andreas Fault. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC010092.	2.5	5
2	The State of Stress on the Fault Before, During, and After a Major Earthquake. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 49-74.	11.0	49
3	Earthquake slip surfaces identified by biomarker thermal maturity within the 2011 Tohoku-Oki earthquake fault zone. <i>Nature Communications</i> , 2020, 11, 533.	12.8	17
4	Frictional Strengths of Subduction Thrust Rocks in the Region of Shallow Slow Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018888.	3.4	15
5	Evidence of Localized Failure Along Altered Basaltic Blocks in Tectonic MÃ©lange at the Updip Limit of the Seismogenic Zone: Implications for the Shallow Slow Earthquake Source. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008839.	2.5	15
6	Earthquake lubrication and healing explained by amorphous nanosilica. <i>Nature Communications</i> , 2019, 10, 320.	12.8	42
7	For how long are pseudotachylytes strong? Rapid alteration of basalt-hosted pseudotachylytes from a shallow subduction complex. <i>Earth and Planetary Science Letters</i> , 2019, 518, 108-115.	4.4	16
8	Hot on the trail: Coseismic heating on a localized structure along the Muddy Mountain fault, Nevada. <i>Journal of Structural Geology</i> , 2019, 120, 67-79.	2.3	10
9	Seismic cycle feedbacks in a mid-crustal shear zone. <i>Journal of Structural Geology</i> , 2018, 112, 95-111.	2.3	11
10	Geometric Complexity of Earthquake Rupture Surfaces Preserved in Pseudotachylyte Networks. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7998-8015.	3.4	22
11	Neoproterozoic supra-subduction gold in Mesoproterozoic tonalite-granodiorite: Two separate mineralization events at Hammond Reef defined by disseminated and channelized fluid flow. <i>Precambrian Research</i> , 2018, 305, 111-124.	2.7	1
12	Complexity of hydrogeologic regime around an ancient low-angle thrust fault revealed by multidisciplinary field study. <i>Geofluids</i> , 2016, 16, 673-687.	0.7	2
13	Alteration-weakening leading to localized deformation in a damage aureole adjacent to a dormant shear zone. <i>Journal of Structural Geology</i> , 2016, 90, 144-156.	2.3	7
14	The spin zone: Transient mid-crust permeability caused by coseismic brecciation. <i>Journal of Structural Geology</i> , 2016, 87, 47-63.	2.3	8
15	Experimental slip distribution in lentils as an analog for scaly clay fabrics. <i>Geology</i> , 2016, 44, 183-186.	4.4	9
16	Mapping the surface geomorphology of the Makgadikgadi Rift Zone (MRZ). <i>Quaternary International</i> , 2016, 404, 115-120.	1.5	14
17	Preface for the special issue of "New Perspective of Subduction Zone Earthquakes". <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	0
18	Deformation structures in the frontal prism near the Japan Trench: Insights from sandbox models. <i>Journal of Geodynamics</i> , 2015, 89, 29-38.	1.6	10

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19	Multiple major faults at the Japan Trench: Chemostratigraphy of the plate boundary at IODP Exp. 343: JFAST. <i>Earth and Planetary Science Letters</i> , 2015, 423, 57-66.	4.4	24
20	Do faults preserve a record of seismic slip: A second opinion. <i>Journal of Structural Geology</i> , 2015, 78, 1-26.	2.3	237
21	Whither the megathrust? Localization of large-scale subduction slip along the contact of a mélange. <i>International Geology Review</i> , 2015, 57, 854-870.	2.1	19
22	Structure and lithology of the Japan Trench subduction plate boundary fault. <i>Tectonics</i> , 2015, 34, 53-69.	2.8	53
23	Fluid-rock interaction recorded in black fault rocks in the Kodiak accretionary complex, Alaska. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	11
24	Silica gel in a fault slip surface: Field evidence for palaeo-earthquakes?. <i>Journal of Structural Geology</i> , 2014, 69, 108-121.	2.3	25
25	Stress, strain, and fault behavior at a thrust ramp: Insights from the Naukluft thrust, Namibia. <i>Journal of Structural Geology</i> , 2014, 58, 95-107.	2.3	11
26	Snap, Crackle, Pop: Dilational fault breccias record seismic slip below the brittle-“plastic transition. <i>Earth and Planetary Science Letters</i> , 2014, 403, 432-445.	4.4	41
27	Biomarkers heat up during earthquakes: New evidence of seismic slip in the rock record. <i>Geology</i> , 2014, 42, 99-102.	4.4	57
28	Structural and metamorphic evidence for Mesoarchaean subduction in the Finlayson Lake greenstone belt, Superior Province, Ontario. <i>Precambrian Research</i> , 2014, 249, 100-114.	2.7	10
29	Stress State in the Largest Displacement Area of the 2011 Tohoku-Oki Earthquake. <i>Science</i> , 2013, 339, 687-690.	12.6	112
30	Structure and Composition of the Plate-Boundary Slip Zone for the 2011 Tohoku-Oki Earthquake. <i>Science</i> , 2013, 342, 1208-1211.	12.6	226
31	Eastward transport of the Monapo Klippe, Mozambique determined from field kinematics and computed tomography and implications for late tectonics in central Gondwana. <i>Precambrian Research</i> , 2013, 237, 101-115.	2.7	5
32	Geology of the Monapo Klippe, NE Mozambique and its significance for assembly of central Gondwana. <i>Precambrian Research</i> , 2013, 233, 259-281.	2.7	29
33	Disappearing ink: How pseudotachylytes are lost from the rock record. <i>Journal of Structural Geology</i> , 2013, 52, 183-198.	2.3	107
34	The thickness of subduction plate boundary faults from the seafloor into the seismogenic zone. <i>Geology</i> , 2013, 41, 991-994.	4.4	123
35	Shaking Loose: Sand volcanoes and Jurassic earthquakes. <i>Geology</i> , 2013, 41, 1135-1136.	4.4	7
36	Silica gel formation during fault slip: Evidence from the rock record. <i>Geology</i> , 2013, 41, 1015-1018.	4.4	84

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37	Research Matters 1. Funding for Structural Geology and Tectonics Research in Three Nations. Geoscience Canada, 2013, 40, 366.	0.8	0
38	Fault rock injections record paleo-earthquakes. Earth and Planetary Science Letters, 2012, 335-336, 154-166.	4.4	69
39	Signature of coseismic decarbonation in dolomitic fault rocks of the Naukluft Thrust, Namibia. Earth and Planetary Science Letters, 2012, 333-334, 200-210.	4.4	58
40	Emplacement and dewatering of the world's largest exposed sand injectite complex. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	17
41	DISCUSSION ON: RECONSTRUCTION OF THE ORDOVICIAN PAKHUIS ICE SHEET, SOUTH AFRICA BY H.J. BLIGNAULT AND J.N. THERON. South African Journal of Geology, 2011, 114, 95-102.	1.2	7
42	Textural record of the seismic cycle: strain-rate variation in an ancient subduction thrust. Geological Society Special Publication, 2011, 359, 77-95.	1.3	43
43	STRUCTURAL GEOLOGY OF ROBBEN ISLAND: IMPLICATIONS FOR THE TECTONIC ENVIRONMENT OF SALDANIAN DEFORMATION. South African Journal of Geology, 2010, 113, 57-72.	1.2	13
44	MEGA-SCALE (Â50M) ORDOVICIAN LOAD CASTS AT DE BALIE, SOUTH AFRICA: POSSIBLE SEDIMENT FLUIDIZATION BY THERMAL DESTABILISATION. South African Journal of Geology, 2009, 112, 187-196.	1.2	11
45	The processes of underthrusting and underplating in the geologic record: structural diversity between the Franciscan Complex (California), the Kodiak Complex (Alaska) and the Internal Ligurian Units (Italy). Geological Journal, 2009, 44, 126-152.	1.3	55
46	10. How Accretionary Prisms Elucidate Seismogenesis in Subduction Zones. , 2007, , 288-315.		46
47	Large-scale pseudotachylytes and fluidized cataclasites from an ancient subduction thrust fault. Geology, 2005, 33, 937.	4.4	121