

Lisa C Mcneill

List of Publications by Year in descending order

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39
papers

1,489
citations

331670

21
h-index

330143

37
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41
all docs

41
docs citations

41
times ranked

1420
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ stress state in the Nankai accretionary wedge estimated from borehole wall failures. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	105
2	Seafloor morphology of the Sumatran subduction zone: Surface rupture during megathrust earthquakes?. <i>Geology</i> , 2006, 34, 485.	4.4	103
3	Thermal structure and megathrust seismogenic potential of the Makran subduction zone. <i>Geophysical Research Letters</i> , 2013, 40, 1528-1533.	4.0	102
4	Rapid spatiotemporal variations in rift structure during development of the Corinth Rift, central Greece. <i>Tectonics</i> , 2016, 35, 1225-1248.	2.8	91
5	Contrasting DÃ©collement and Prism Properties over the Sumatra 2004â€“2005 Earthquake Rupture Boundary. <i>Science</i> , 2010, 329, 207-210.	12.6	86
6	Presentâ€“day principal horizontal stress orientations in the Kumano forearc basin of the southwest Japan subduction zone determined from IODP NanTroSEIZE drilling Site C0009. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	76
7	Updip rupture of the 2004 Sumatra earthquake extended by thick indurated sediments. <i>Nature Geoscience</i> , 2011, 4, 453-456.	12.9	74
8	Slip rates of the Aigion and Eliki Faults from uplifted marine terraces, Corinth Gulf, Greece. <i>Comptes Rendus - Geoscience</i> , 2004, 336, 325-334.	1.2	72
9	The structure and fault activity of the Makran accretionary prism. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	69
10	Impact of lower plate structure on upper plate deformation at the NW Sumatran convergent margin from seafloor morphology. <i>Earth and Planetary Science Letters</i> , 2008, 275, 201-210.	4.4	67
11	Understanding Himalayan erosion and the significance of the Nicobar Fan. <i>Earth and Planetary Science Letters</i> , 2017, 475, 134-142.	4.4	58
12	Release of mineral-bound water prior to subduction tied to shallow seismogenic slip off Sumatra. <i>Science</i> , 2017, 356, 841-844.	12.6	57
13	Forearc structure and morphology along the Sumatraâ€“Andaman subduction zone. <i>Tectonics</i> , 2014, 33, 112-134.	2.8	45
14	Distribution of stress state in the Nankai subduction zone, southwest Japan and a comparison with Japan Trench. <i>Tectonophysics</i> , 2016, 692, 120-130.	2.2	45
15	Comparing extension on multiple time and depth scales in the Corinth Rift, Central Greece. <i>Geophysical Journal International</i> , 2011, 186, 463-470.	2.4	37
16	Borehole image analysis of the Nankai Accretionary Wedge, ODP Leg 196: Structural and stress studies. <i>Tectonophysics</i> , 2006, 426, 207-220.	2.2	32
17	Sedimentology, stratigraphy and architecture of the Nicobar Fan (Bengalâ€“Nicobar Fan System), Indian Ocean: Results from International Ocean Discovery Program Expedition 362. <i>Sedimentology</i> , 2020, 67, 2248-2281.	3.1	28
18	Growth of borehole breakouts with time after drilling: Implications for state of stress, NanTroSEIZE transect, SW Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	2.5	26

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19	The 2004 Aceh&Amdaman Earthquake: Early clay dehydration controls shallow seismic rupture. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3315-3323.	2.5	26
20	Determination of stress state in deep subsea formation by combination of hydraulic fracturing in situ test and core analysis: A case study in the IODP Expedition 319. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1203-1215.	3.4	25
21	Pervasive deformation of an oceanic plate and relationship to large &Mw 8 intraplate earthquakes: The northern Wharton Basin, Indian Ocean. <i>Geology</i> , 2015, 43, 359-362.	4.4	25
22	Are landscapes buffered to high-frequency climate change? A comparison of sediment fluxes and depositional volumes in the Corinth Rift, central Greece, over the past 130 k.y.. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 372-388.	3.3	25
23	Downgoing plate topography stopped rupture in the A.D. 2005 Sumatra earthquake. <i>Geology</i> , 2016, 44, 71-74.	4.4	23
24	A method for semi&Aautomated objective quantification of linear bedforms from multi&A scale digital elevation models. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 221-236.	2.5	22
25	High-resolution record reveals climate-driven environmental and sedimentary changes in an active rift. <i>Scientific Reports</i> , 2019, 9, 3116.	3.3	22
26	Scale dependence of <i>in&Asitu</i> permeability measurements in the Nankai accretionary prism: The role of fractures. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	19
27	Quantification of free gas in the Kumano fore-arc basin detected from borehole physical properties: IODP NanTroSEIZE drilling Site C0009. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	17
28	Comparison of fold-thrust belts driven by plate convergence and gravitational failure. <i>Earth-Science Reviews</i> , 2020, 203, 103136.	9.1	16
29	&A active source tomography around Simeulue Island offshore Sumatra: Thick crustal zone responsible for earthquake segment boundary. <i>Geophysical Research Letters</i> , 2013, 40, 48-53.	4.0	15
30	Controls on spatial and temporal evolution of prism faulting and relationships to plate boundary slip offshore north&A central Sumatra. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 5594-5612.	3.4	15
31	Structural styles across the Nankai accretionary prism revealed from LWD borehole images and their correlation with seismic profile and core data: Results from NanTroSEIZE Stage 1 expeditions. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	13
32	Straight from the source's mouth: Controls on field&A constrained sediment export across the entire active Corinth Rift, central Greece. <i>Basin Research</i> , 2020, 32, 1600-1625.	2.7	12
33	A complete structural model and kinematic history for distributed deformation in the Wharton Basin. <i>Earth and Planetary Science Letters</i> , 2020, 538, 116218.	4.4	10
34	The Messinian Salinity Crisis as a trigger for high pore pressure development in the Western Mediterranean. <i>Basin Research</i> , 2021, 33, 2202-2228.	2.7	10
35	Exploring Structural Controls on Sumatran Earthquakes. <i>Eos</i> , 2010, 91, 405-406.	0.1	8
36	Evolution of the Thermal and Dehydration State of Sediments Entering the North Sumatra Subduction Zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009306.	2.5	3

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37	Drilling to Resolve the Evolution of the Corinth Rift. <i>Eos</i> , 2014, 95, 170-170.	0.1	2
38	Late Quaternary mud-dominated, basin-floor sedimentation of the Gulf of Corinth, Greece: Implications for deep-water depositional processes and controls on syn-rift sedimentation. <i>Basin Research</i> , 2022, 34, 1567-1600.	2.7	2
39	Is the Coulomb Wedge Model Applicable to Passive Margin Deformation?. , 2015, , .		0