

# Lisa C Mcneill

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6553773/publications.pdf>

Version: 2024-02-01

39  
papers

1,489  
citations

331670

21  
h-index

330143

37  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1420  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | 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         |
| 2  | 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        |
| 3  | 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         |
| 4  | Sedimentology, stratigraphy and architecture of the Nicobar Fan (Bengal-Nicobar Fan System), Indian Ocean: Results from International Ocean Discovery Program Expedition 362. <i>Sedimentology</i> , 2020, 67, 2248-2281.                                  | 3.1  | 28        |
| 5  | 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        |
| 6  | Straight from the source's mouth: Controls on field-constrained sediment export across the entire active Corinth Rift, central Greece. <i>Basin Research</i> , 2020, 32, 1600-1625.  | 2.7  | 12        |
| 7  | Comparison of fold-thrust belts driven by plate convergence and gravitational failure. <i>Earth-Science Reviews</i> , 2020, 203, 103136.   | 9.1  | 16        |
| 8  | 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        |
| 9  | High-resolution record reveals climate-driven environmental and sedimentary changes in an active rift. <i>Scientific Reports</i> , 2019, 9, 3116.  | 3.3  | 22        |
| 10 | 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        |
| 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 | 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        |
| 13 | Rapid spatiotemporal variations in rift structure during development of the Corinth Rift, central Greece. <i>Tectonics</i> , 2016, 35, 1225-1248.  | 2.8  | 91        |
| 14 | Downgoing plate topography stopped rupture in the A.D. 2005 Sumatra earthquake. <i>Geology</i> , 2016, 44, 71-74.  | 4.4  | 23        |
| 15 | 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        |
| 16 | Is the Coulomb Wedge Model Applicable to Passive Margin Deformation?. , 2015, , .  |      | 0         |
| 17 | Forearc structure and morphology along the Sumatra-Andaman subduction zone. <i>Tectonics</i> , 2014, 33, 112-134.  | 2.8  | 45        |
| 18 | Controls on spatial and temporal evolution of prism faulting and relationships to plate boundary slip offshore north-central Sumatra. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 5594-5612.  | 3.4  | 15        |

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|----|---|------|-----------|
| 19 | Drilling to Resolve the Evolution of the Corinth Rift. <i>Eos</i> , 2014, 95, 170-170.  | 0.1  | 2         |
| 20 | A method for semi-automated objective quantification of linear bedforms from multi-scale digital elevation models. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 221-236.  | 2.5  | 22        |
| 21 | Thermal structure and megathrust seismogenic potential of the Makran subduction zone. <i>Geophysical Research Letters</i> , 2013, 40, 1528-1533.  | 4.0  | 102       |
| 22 | The 2004 Aceh-Andaman Earthquake: Early clay dehydration controls shallow seismic rupture. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3315-3323.   | 2.5  | 26        |
| 23 | 3D 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        |
| 24 | 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        |
| 25 | The structure and fault activity of the Makran accretionary prism. <i>Journal of Geophysical Research</i> , 2012, 117, .  | 3.3  | 69        |
| 26 | Scale dependence of <i>in situ</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 | 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        |
| 29 | 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        |
| 30 | 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        |
| 31 | Updip rupture of the 2004 Sumatra earthquake extended by thick indurated sediments. <i>Nature Geoscience</i> , 2011, 4, 453-456.  | 12.9 | 74        |
| 32 | Contrasting D <sub>col</sub> and Prism Properties over the Sumatra 2004-2005 Earthquake Rupture Boundary. <i>Science</i> , 2010, 329, 207-210.  | 12.6 | 86        |
| 33 | Exploring Structural Controls on Sumatran Earthquakes. <i>Eos</i> , 2010, 91, 405-406.  | 0.1  | 8         |
| 34 | In situ stress state in the Nankai accretionary wedge estimated from borehole wall failures. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .  | 2.5  | 105       |
| 35 | Present-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        |
| 36 | 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        |

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|----|---|-----|-----------|
| 37 | 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        |
| 38 | Seafloor morphology of the Sumatran subduction zone: Surface rupture during megathrust earthquakes?. <i>Geology</i> , 2006, 34, 485.                    | 4.4 | 103       |
| 39 | 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        |