

# Gregory C Mclaskey

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5119198/publications.pdf>

Version: 2024-02-01

27  
papers

1,191  
citations

430442

18  
h-index

580395

25  
g-index

28  
all docs

28  
docs citations

28  
times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Earthquake breakdown energy scaling despite constant fracture energy. <i>Nature Communications</i> , 2022, 13, 1005.	5.8	11
2	Testing Earthquake Nucleation Length Scale with Pawnee Aftershocks. <i>Seismological Research Letters</i> , 2022, 93, 2147-2160.	0.8	1
3	The High-Frequency Signature of Slow and Fast Laboratory Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	6
4	Seismic swarms produced by rapid fluid injection into a low permeability laboratory fault. <i>Earth and Planetary Science Letters</i> , 2021, 557, 116726.	1.8	17
5	Near-Fault Velocity Spectra From Laboratory Failures and Their Relation to Natural Ground Motion. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB017638.	1.4	3
6	The earthquake arrest zone. <i>Geophysical Journal International</i> , 2020, 224, 581-589.	1.0	18
7	Groove Generation and Coalescence on a Large-Scale Laboratory Fault. <i>AGU Advances</i> , 2020, 1, e2020AV000184.	2.3	7
8	Contained Laboratory Earthquakes Ranging From Slow to Fast. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10270-10291.	1.4	30
9	Earthquake Initiation From Laboratory Observations and Implications for Foreshocks. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12882-12904.	1.4	112
10	Fracture energy estimates from large-scale laboratory earthquakes. <i>Earth and Planetary Science Letters</i> , 2019, 511, 36-43.	1.8	25
11	Broadband Calibration of Acoustic Emission and Ultrasonic Sensors from Generalized Ray Theory and Finite Element Models. <i>Journal of Nondestructive Evaluation</i> , 2018, 37, 1.	1.1	17
12	Rupture Termination in Laboratory-Generated Earthquakes. <i>Geophysical Research Letters</i> , 2018, 45, 12,784.	1.5	31
13	Shear failure of a granite pin traversing a sawcut fault. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 110, 97-110.	2.6	18
14	Slow and fast ruptures on a laboratory fault controlled by loading characteristics. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 3719-3738.	1.4	87
15	Calibrated Acoustic Emission System Records $M \sim 3.5$ to $M \sim 8$ Events Generated on a Saw-Cut Granite Sample. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 4527-4536.	2.6	21
16	Slip-pulse rupture behavior on a 2 m granite fault. <i>Geophysical Research Letters</i> , 2015, 42, 7039-7045.	1.5	35
17	A Robust Calibration Technique for Acoustic Emission Systems Based on Momentum Transfer from a Ball Drop. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 257-271.	1.1	37
18	Preslip and cascade processes initiating laboratory stick slip. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 6323-6336.	1.4	100

#	ARTICLE	IF	CITATIONS
19	Laboratory Generated M -6 Earthquakes. Pure and Applied Geophysics, 2014, 171, 2601-2615.	0.8	53
20	Foreshocks during the nucleation of stick-slip instability. Journal of Geophysical Research: Solid Earth, 2013, 118, 2982-2997.	1.4	104
21	Fault healing promotes high-frequency earthquakes in laboratory experiments and on natural faults. Nature, 2012, 491, 101-104.	13.7	85
22	Acoustic Emission Sensor Calibration for Absolute Source Measurements. Journal of Nondestructive Evaluation, 2012, 31, 157-168.	1.1	119
23	Micromechanics of asperity rupture during laboratory stick slip experiments. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	49
24	Beamforming array techniques for acoustic emission monitoring of large concrete structures. Journal of Sound and Vibration, 2010, 329, 2384-2394.	2.1	115
25	Hertzian impact: Experimental study of the force pulse and resulting stress waves. Journal of the Acoustical Society of America, 2010, 128, 1087-1096.	0.5	84
26	High-fidelity conical piezoelectric transducers and finite element models utilized to quantify elastic waves generated from ball collisions. Proceedings of SPIE, 2009, . .	0.8	6
27	Nondestructive Dynamic Evaluation of a Concrete Reaction Wall—Numerical and Experimental Studies. Journal of Performance of Constructed Facilities, 2006, 20, 237-243.	1.0	0