Gregory C Mclaskey

List of Publications by Year
in descending order

27	1,191	430442	580395
papers	citations	18 h-index	25 g-index

28	28	28	889
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Acoustic Emission Sensor Calibration for Absolute Source Measurements. Journal of Nondestructive Evaluation, 2012, 31, 157-168.	1.1	119
2	Beamforming array techniques for acoustic emission monitoring of large concrete structures. Journal of Sound and Vibration, 2010, 329, 2384-2394.	2.1	115
3	Earthquake Initiation From Laboratory Observations and Implications for Foreshocks. Journal of Geophysical Research: Solid Earth, 2019, 124, 12882-12904.	1.4	112
4	Foreshocks during the nucleation of stickâ€slip instability. Journal of Geophysical Research: Solid Earth, 2013, 118, 2982-2997.	1.4	104
5	Preslip and cascade processes initiating laboratory stick slip. Journal of Geophysical Research: Solid Earth, 2014, 119, 6323-6336.	1.4	100
6	Slow and fast ruptures on a laboratory fault controlled by loading characteristics. Journal of Geophysical Research: Solid Earth, 2017, 122, 3719-3738.	1.4	87
7	Fault healing promotes high-frequency earthquakes in laboratory experiments and on natural faults. Nature, 2012, 491, 101-104.	13.7	85
8	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
9	Laboratory Generated M -6 Earthquakes. Pure and Applied Geophysics, 2014, 171, 2601-2615.	0.8	53
10	Micromechanics of asperity rupture during laboratory stick slip experiments. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	49
11	A Robust Calibration Technique for Acoustic Emission Systems Based on Momentum Transfer from a Ball Drop. Bulletin of the Seismological Society of America, 2015, 105, 257-271.	1.1	37
12	Slipâ€pulse rupture behavior on a 2 m granite fault. Geophysical Research Letters, 2015, 42, 7039-7045.	1.5	35
13	Rupture Termination in Laboratoryâ€Generated Earthquakes. Geophysical Research Letters, 2018, 45, 12,784.	1.5	31
14	Contained Laboratory Earthquakes Ranging From Slow to Fast. Journal of Geophysical Research: Solid Earth, 2019, 124, 10270-10291.	1.4	30
15	Fracture energy estimates from large-scale laboratory earthquakes. Earth and Planetary Science Letters, 2019, 511, 36-43.	1.8	25
16	Calibrated Acoustic Emission System Records M â^'3.5 to M â^'8 Events Generated on a Saw-Cut Granite Sample. Rock Mechanics and Rock Engineering, 2016, 49, 4527-4536.	2.6	21
17	Shear failure of a granite pin traversing a sawcut fault. International Journal of Rock Mechanics and Minings Sciences, 2018, 110, 97-110.	2.6	18
18	The earthquake arrest zone. Geophysical Journal International, 2020, 224, 581-589.	1.0	18

#	Article	IF	Citations
19	Broadband Calibration of Acoustic Emission and Ultrasonic Sensors from Generalized Ray Theory and Finite Element Models. Journal of Nondestructive Evaluation, 2018, 37, 1.	1.1	17
20	Seismic swarms produced by rapid fluid injection into a low permeability laboratory fault. Earth and Planetary Science Letters, 2021, 557, 116726.	1.8	17
21	Earthquake breakdown energy scaling despite constant fracture energy. Nature Communications, 2022, 13, 1005.	5.8	11
22	Groove Generation and Coalescence on a Largeâ€Scale Laboratory Fault. AGU Advances, 2020, 1, e2020AV000184.	2.3	7
23	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
24	The Highâ€Frequency Signature of Slow and Fast Laboratory Earthquakes. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	6
25	Nearâ€Fault Velocity Spectra From Laboratory Failures and Their Relation to Natural Ground Motion. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB017638.	1.4	3
26	Testing Earthquake Nucleation Length Scale with Pawnee Aftershocks. Seismological Research Letters, 2022, 93, 2147-2160.	0.8	1
27	Nondestructive Dynamic Evaluation of a Concrete Reaction Wallâ€"Numerical and Experimental Studies. Journal of Performance of Constructed Facilities, 2006, 20, 237-243.	1.0	0