

Frictional evolution, acoustic emissions activity, and of sheared at seismic slip rates

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Citation Report

#	ARTICLE	IF	CITATIONS
1	On the evolution of elastic properties during laboratory stick-slip experiments spanning the transition from slow slip to dynamic rupture. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 8569-8594.	1.4	61
2	Velocity-dependent frictional weakening of large rock avalanche basal facies: Implications for rock avalanche hypermobility?. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 1648-1676.	1.4	62
3	Thermal properties of Central Aare granite for temperatures up to 500°C: Irreversible changes due to thermal crack formation. <i>Geophysical Research Letters</i> , 2017, 44, 771-776.	1.5	48
4	Dehydration-driven stress transfer triggers intermediate-depth earthquakes. <i>Nature Communications</i> , 2017, 8, 15247.	5.8	152
5	Friction Evolution of Granitic Faults: Heating Controlled Transition From Powder Lubrication to Frictional Melt. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9275-9289.	1.4	20
6	Influence of Normal and Shear Stress on the Hydraulic Transmissivity of Thin Cracks in a Tight Quartz Sandstone, a Granite, and a Shale. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 1262-1285.	1.4	64
7	Microscopic Characterization of Tensile and Shear Fracturing in Progressive Failure in Marble. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 204-225.	1.4	51
8	Dynamic evolution of off-fault medium during an earthquake: a micromechanics based model. <i>Geophysical Journal International</i> , 2018, 214, 1267-1280.	1.0	45
9	The fate of garnet during (deep-seated) coseismic frictional heating: The role of thermal shock. <i>Geology</i> , 2018, 46, 471-474.	2.0	25
10	Frictional Instabilities and Carbonation of Basalts Triggered by Injection of Pressurized H ₂ O- and CO ₂ -Rich Fluids. <i>Geophysical Research Letters</i> , 2018, 45, 6032-6041.	1.5	12
11	Modeling of Stick-Slip Behavior in Sheared Granular Fault Gouge Using the Combined Finite-Discrete Element Method. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 5774-5792.	1.4	56
12	Weakening Mechanisms of Alpine Fault Gouge in High-Velocity Shear Experiments. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 7413-7428.	1.4	4
13	Laboratory Insight Into Seismic Estimates of Energy Partitioning During Dynamic Rupture: An Observable Scaling Breakdown. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 11350-11379.	1.4	24
14	Bridging Geomechanical and Geophysical Numerical Modeling: Evaluation of Seismic Efficiency and Rupture Velocity with Application to Estimating the Fractured Network Generated by Hydraulic Fracturing. , 2019, , .		0
15	Variations in Elastic and Electrical Properties of Crustal Rocks With Varying Degree of Microfracturation. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 6376-6396.	1.4	12
16	Mechanical behaviour of fluid-lubricated faults. <i>Nature Communications</i> , 2019, 10, 1274.	5.8	46
17	Grain Fragmentation and Frictional Melting During Initial Experimental Deformation and Implications for Seismic Slip at Shallow Depths. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 11150-11169.	1.4	11
18	<i>Seismotectonics</i> . , 2019, , 278-336.		0

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19	Earthquake prediction and hazard analysis. , 2019, , 337-380.		1
23	Brittle fracture of rock. , 2019, , 1-42.		0
24	Rock friction. , 2019, , 43-96.		2
25	Mechanics of earthquakes. , 2019, , 166-227.		1
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29	Mechanics of faulting. , 2019, , 97-165.		4
30	Thermal Weakening of Asperity Tips on Fault Planes at High Sliding Velocities. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1164-1188.	1.0	12
31	Effect of Fluid Viscosity on Fault Reactivation and Coseismic Weakening. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018883.	1.4	16
32	Effect of Fluid Viscosity on Earthquake Nucleation. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087854.	1.5	10
33	Seismic velocity precursors to the 2016 Mw 6.5 Norcia (Italy) earthquake. <i>Geology</i> , 2020, 48, 924-928.	2.0	31
34	Frictional melting and thermal fracturing recorded in pelagic sedimentary rocks of the Jurassic accretionary complex, central Japan. <i>Earth and Planetary Science Letters</i> , 2021, 554, 116638.	1.8	2
35	Competition between preslip and deviatoric stress modulates precursors for laboratory earthquakes. <i>Earth and Planetary Science Letters</i> , 2021, 553, 116623.	1.8	21
36	Temporal evolution of a shear-type rock fracture process zone (FPZ) along continuous, sequential and spontaneously well-separated laboratory instabilitiesâ€”from intact rock to thick gouged fault. <i>Geophysical Journal International</i> , 2021, 226, 351-367.	1.0	10
37	Scaling Seismic Fault Thickness From the Laboratory to the Field. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020694.	1.4	8
38	A unified first-order hyperbolic model for nonlinear dynamic rupture processes in diffuse fracture zones. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200130.	1.6	18
40	Laboratory experiments on fault behavior towards better understanding of injection-induced seismicity in geenergy systems. <i>Earth-Science Reviews</i> , 2022, 226, 103916.	4.0	28
41	Rate and State Friction as a Spatially Regularized Transient Viscous Flow Law. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	6
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44	Nanoscale Damage Production by Dynamic Tensile Rupture in SiO_2 Quartz. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
45	Influence of Frictional Melt on the Seismic Cycle: Insights from Experiments on Rock Analog Material. <i>Journal of Geophysical Research: Solid Earth</i> , 0, , .	1.4	1
46	Fracture Energy and Breakdown Work During Earthquakes. <i>Annual Review of Earth and Planetary Sciences</i> , 2023, 51, 217-252.	4.6	10
47	Rheology and breakdown energy of a shear zone undergoing flash heating in earthquake-like discrete element models. <i>Geophysical Journal International</i> , 2023, 233, 1492-1514.	1.0	0
48	Laboratory Earthquake Simulationsâ€”Typical Events, Fault Damage, and Gouge Production. <i>Journal of Geophysical Research: Solid Earth</i> , 2023, 128, .	1.4	2
49	Experimental investigation on frictional properties of stressed basalt fractures. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2023, 15, 1457-1475.	3.7	2
50	Frictional stability and permeability evolution of fractures subjected to repeated cycles of heating-and-quenching: granites from the Gonghe Basin, northwest China. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2023, 9, .	1.3	2
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