Chris Marone

List of Publications by Year
in descending order

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159 papers	13,662 citations	27035 58 h-index	25983 112 g-index
171 all docs	171 docs citations	171 times ranked	5739 citing authors

#	Article	IF	Citations
1	Frictional and Lithological Controls on Shallow Slow Slip at the Northern Hikurangi Margin. Geochemistry, Geophysics, Geosystems, 2022, 23, .	1.0	16
2	Frictional controls on the seismogenic zone: Insights from the Apenninic basement, Central Italy. Earth and Planetary Science Letters, 2022, 583, 117444.	1.8	10
3	The Highâ€Frequency Signature of Slow and Fast Laboratory Earthquakes. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	6
4	Competition between preslip and deviatoric stress modulates precursors for laboratory earthquakes. Earth and Planetary Science Letters, 2021, 553, 116623.	1.8	21
5	The Potential for Lowâ€Grade Metamorphism to Facilitate Fault Instability in a Geothermal Reservoir. Geophysical Research Letters, 2021, 48, e2021GL093552.	1.5	16
6	Deep Learning Can Predict Laboratory Quakes From Active Source Seismic Data. Geophysical Research Letters, 2021, 48, e2021GL093187.	1.5	16
7	Machine Learning Predicts the Timing and Shear Stress Evolution of Lab Earthquakes Using Active Seismic Monitoring of Fault Zone Processes. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021588.	1.4	15
8	Nonlinear elastodynamic behavior of intact and fractured rock under in-situ stress and saturation conditions. Journal of the Mechanics and Physics of Solids, 2021, 153, 104491.	2.3	8
9	Imaging Elastodynamic and Hydraulic Properties of In Situ Fractured Rock: An Experimental Investigation Exploring Effects of Dynamic Stressing and Shearing. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021521.	1.4	2
10	Attention Network Forecasts Timeâ€toâ€Failure in Laboratory Shear Experiments. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022195.	1.4	9
11	Frequencyâ€Magnitude Statistics of Laboratory Foreshocks Vary With Shear Velocity, Fault Slip Rate, and Shear Stress. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022175.	1.4	15
12	Dynamic Stressing of Naturally Fractured Rocks: On the Relation Between Transient Changes in Permeability and Elastic Wave Velocity. Geophysical Research Letters, 2020, 47, e2019GL083557.	1.5	19
13	Application of Constitutive Friction Laws to Glacier Seismicity. Geophysical Research Letters, 2020, 47, e2020GL088964.	1.5	19
14	Acoustic Energy Release During the Laboratory Seismic Cycle: Insights on Laboratory Earthquake Precursors and Prediction. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018975.	1.4	28
15	Bifurcations at the Stability Transition of Earthquake Faulting. Geophysical Research Letters, 2020, 47, e2020GL087985.	1.5	17
16	The Role of Deformation Bands in Dictating Poromechanical Properties of Unconsolidated Sand and Sandstone. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009143.	1.0	1
17	Slip-rate-dependent friction as a universal mechanism for slow slip events. Nature Geoscience, 2020, 13, 705-710.	5.4	51
18	The Spatiotemporal Evolution of Granular Microslip Precursors to Laboratory Earthquakes. Geophysical Research Letters, 2020, 47, e2020GL088404.	1.5	20

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19	Evolution of Elastic and Mechanical Properties During Fault Shear: The Roles of Clay Content, Fabric Development, and Porosity. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018612.	1.4	12
20	Preseismic Fault Creep and Elastic Wave Amplitude Precursors Scale With Lab Earthquake Magnitude for the Continuum of Tectonic Failure Modes. Geophysical Research Letters, 2020, 47, e2020GL086986.	1.5	28
21	A method for determining absolute ultrasonic velocities and elastic properties of experimental shear zones. International Journal of Rock Mechanics and Minings Sciences, 2020, 130, 104306.	2.6	4
22	The Effects of Shear Strain, Fabric, and Porosity Evolution on Elastic and Mechanical Properties of Clayâ€Rich Fault Gouge. Journal of Geophysical Research: Solid Earth, 2019, 124, 10968-10982.	1.4	19
23	Dynamics of geologic CO ₂ storage and plume motion revealed by seismic coda waves. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2464-2469.	3.3	25
24	Kinetic Models for Healing of the Subduction Interface Based on Observations of Ancient Accretionary Complexes. Geochemistry, Geophysics, Geosystems, 2019, 20, 3431-3449.	1.0	17
25	Frictional State Evolution During Normal Stress Perturbations Probed With Ultrasonic Waves. Journal of Geophysical Research: Solid Earth, 2019, 124, 5469-5491.	1.4	23
26	The relationship between fault zone structure and frictional heterogeneity, insight from faults in the High Zagros. Tectonophysics, 2019, 762, 109-120.	0.9	4
27	Characterizing Acoustic Signals and Searching for Precursors during the Laboratory Seismic Cycle Using Unsupervised Machine Learning. Seismological Research Letters, 2019, 90, 1088-1098.	0.8	38
28	On the mechanics of granular shear: The effect of normal stress and layer thickness on stick-slip properties. Tectonophysics, 2019, 763, 86-99.	0.9	20
29	The transition from steady frictional sliding to inertia-dominated instability with rate and state friction. Journal of the Mechanics and Physics of Solids, 2019, 122, 116-125.	2.3	18
30	Similarity of fast and slow earthquakes illuminated by machine learning. Nature Geoscience, 2019, 12, 69-74.	5.4	96
31	Cohesionâ€Induced Stabilization in Stickâ€Slip Dynamics of Weakly Wet, Sheared Granular Fault Gouge. Journal of Geophysical Research: Solid Earth, 2018, 123, 2115-2126.	1.4	21
32	Training machines in Earthly ways. Nature Geoscience, 2018, 11, 301-302.	5.4	8
33	Estimating Fault Friction From Seismic Signals in the Laboratory. Geophysical Research Letters, 2018, 45, 1321-1329.	1.5	57
34	Evolution of b-value during the seismic cycle: Insights from laboratory experiments on simulated faults. Earth and Planetary Science Letters, 2018, 482, 407-413.	1.8	87
35	Frictionâ€Stabilityâ€Permeability Evolution of a Fracture in Granite. Water Resources Research, 2018, 54, 9901-9918.	1.7	46
36	Earthquake Catalogâ€Based Machine Learning Identification of Laboratory Fault States and the Effects of Magnitude of Completeness. Geophysical Research Letters, 2018, 45, 13,269.	1.5	39

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37	The Role of Shear Stress in Fault Healing and Frictional Aging. Journal of Geophysical Research: Solid Earth, 2018, 123, 10,479.	1.4	16
38	Frictional Mechanics of Slow Earthquakes. Journal of Geophysical Research: Solid Earth, 2018, 123, 7931-7949.	1.4	54
39	Simulating stickâ€slip failure in a sheared granular layer using a physicsâ€based constitutive model. Journal of Geophysical Research: Solid Earth, 2017, 122, 295-307.	1.4	16
40	Permeability Evolution of Propped Artificial Fractures in Green River Shale. Rock Mechanics and Rock Engineering, 2017, 50, 1473-1485.	2.6	21
41	On the role of fluids in stickâ€slip dynamics of saturated granular fault gouge using a coupled computational fluid dynamicsâ€discrete element approach. Journal of Geophysical Research: Solid Earth, 2017, 122, 3689-3700.	1.4	33
42	On the micromechanics of slip events in sheared, fluidâ€saturated fault gouge. Geophysical Research Letters, 2017, 44, 6101-6108.	1.5	41
43	Frictional stability and earthquake triggering during fluid pressure stimulation of an experimental fault. Earth and Planetary Science Letters, 2017, 477, 84-96.	1.8	120
44	The Impact of Frictional Healing on Stickâ€Slip Recurrence Interval and Stress Drop: Implications for Earthquake Scaling. Journal of Geophysical Research: Solid Earth, 2017, 122, 10,102.	1.4	25
45	Do Fluids Modify the Stick-Slip Behavior of Sheared Granular Media?. , 2017, , .		4
46	A microphysical interpretation of rateâ€and stateâ€dependent friction for fault gouge. Geochemistry, Geophysics, Geosystems, 2016, 17, 1660-1677.	1.0	69
47	On the evolution of elastic properties during laboratory stickâ€slip experiments spanning the transition from slow slip to dynamic rupture. Journal of Geophysical Research: Solid Earth, 2016, 121, 8569-8594.	1.4	61
48	Permeability and frictional properties of halite-clay-quartz faults in marine-sediment: The role of compaction and shear. Marine and Petroleum Geology, 2016, 78, 222-235.	1.5	14
49	Precursory changes in seismic velocity for the spectrum of earthquake failure modes. Nature Geoscience, 2016, 9, 695-700.	5.4	134
50	Laboratory observations of timeâ€dependent frictional strengthening and stress relaxation in natural and synthetic fault gouges. Journal of Geophysical Research: Solid Earth, 2016, 121, 1183-1201.	1.4	82
51	Experimental constraints on the relationship between clay abundance, clay fabric, and frictional behavior for the <scp>C</scp>entral <scp>D</scp>eforming <scp>Z</scp>one of the <scp>S</scp>an <scp>A</scp>ndreas <scp>F</scp>ault. Geochemistry, Geophysics, Geosystems, 2016, 17, 3865-3881.	1.0	11
52	Laboratory observations of slow earthquakes and the spectrum of tectonic fault slip modes. Nature Communications, 2016, 7, 11104.	5.8	301
53	Frequency, pressure, and strain dependence of nonlinear elasticity in Berea Sandstone. Geophysical Research Letters, 2016, 43, 3226-3236.	1.5	38
54	Dynamically triggered slip leading to sustained fault gouge weakening under laboratory shear conditions. Geophysical Research Letters, 2016, 43, 1559-1565.	1.5	20

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55	Breakdown pressure and fracture surface morphology of hydraulic fracturing in shale with H 2 O, CO 2 and N 2. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2016, 2, 63-76.	1.3	119
56	RESEARCH FOCUS: Connections between fault roughness, dynamic weakening, and fault zone structure. Geology, 2016, 44, 79-80.	2.0	3
57	Permeability evolution in sorbing media: analogies between organicâ€rich shale and coal. Geofluids, 2016, 16, 43-55.	0.3	69
58	Anomalous distribution of microearthquakes in the Newberry Geothermal Reservoir: Mechanisms and implications. Geothermics, 2016, 63, 62-73.	1.5	28
59	Flow rate dictates permeability enhancement during fluid pressure oscillations in laboratory experiments. Journal of Geophysical Research: Solid Earth, 2015, 120, 2037-2055.	1.4	42
60	Frictional properties of the active San Andreas Fault at SAFOD: Implications for fault strength and slip behavior. Journal of Geophysical Research: Solid Earth, 2015, 120, 5273-5289.	1.4	82
61	Evolution of permeability across the transition from brittle failure to cataclastic flow in porous siltstone. Geochemistry, Geophysics, Geosystems, 2015, 16, 2980-2993.	1.0	9
62	Critical evaluation of state evolution laws in rate and state friction: Fitting large velocity steps in simulated fault gouge with timeâ€, slipâ€, and stressâ€dependent constitutive laws. Journal of Geophysical Research: Solid Earth, 2015, 120, 6365-6385.	1.4	110
63	Acoustically induced slip in sheared granular layers: Application to dynamic earthquake triggering. Geophysical Research Letters, 2015, 42, 9750-9757.	1.5	28
64	Poromechanics of stickâ€slip frictional sliding and strength recovery on tectonic faults. Journal of Geophysical Research: Solid Earth, 2015, 120, 6895-6912.	1.4	39
65	Experimental investigation of incipient shear failure in foliated rock. Journal of Structural Geology, 2015, 77, 82-91.	1.0	28
66	Stiffness evolution of granular layers and the origin of repetitive, slow, stick-slip frictional sliding. Granular Matter, 2015, 17, 447-457.	1.1	30
67	Breakdown pressures due to infiltration and exclusion in finite length boreholes. Journal of Petroleum Science and Engineering, 2015, 127, 329-337.	2.1	49
68	A novel and versatile apparatus for brittle rock deformation. International Journal of Rock Mechanics and Minings Sciences, 2014, 66, 114-123.	2.6	59
69	Three-dimensional discrete element modeling of triggered slip in sheared granular media. Physical Review E, 2014, 89, 042204.	0.8	40
70	A â€œslice-and-viewâ€•(FIBâ€"SEM) study of clay gouge from the SAFOD creeping section of the San Andreas Fault at â^¼2.7Âkm depth. Journal of Structural Geology, 2014, 69, 234-244.	1.0	29
71	Frictional properties of low-angle normal fault gouges and implications for low-angle normal fault slip. Earth and Planetary Science Letters, 2014, 408, 57-65.	1.8	30
72	Laboratory evidence for particle mobilization as a mechanism for permeability enhancement via dynamic stressing. Earth and Planetary Science Letters, 2014, 392, 279-291.	1.8	97

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73	Frictional strength, rate-dependence, and healing in DFDP-1 borehole samples from the Alpine Fault, New Zealand. Tectonophysics, 2014, 630, 1-8.	0.9	24
74	On the origin and evolution of electrical signals during frictional stick slip in sheared granular material. Journal of Geophysical Research: Solid Earth, 2014, 119, 4253-4268.	1.4	40
75	Frictional heterogeneities on carbonateâ€bearing normal faults: Insights from the Monte Maggio Fault, Italy. Journal of Geophysical Research: Solid Earth, 2014, 119, 9062-9076.	1.4	53
76	Physicochemical processes of frictional healing: Effects of water on stickâ€slip stress drop and friction of granular fault gouge. Journal of Geophysical Research: Solid Earth, 2014, 119, 4090-4105.	1.4	53
77	Evolution of elastic wave speed during shearâ€induced damage and healing within laboratory fault zones. Journal of Geophysical Research: Solid Earth, 2014, 119, 4821-4840.	1.4	24
78	Evolution of ultrasonic velocity and dynamic elastic moduli with shear strain in granular layers. Granular Matter, 2013, 15, 499-515.	1.1	36
79	Influence of vibration amplitude on dynamic triggering of slip in sheared granular layers. Physical Review E, 2013, 87, 012205.	0.8	32
80	Slip weakening as a mechanism for slow earthquakes. Nature Geoscience, 2013, 6, 468-472.	5.4	121
81	Shear zones in clay-rich fault gouge: A laboratory study of fabric development and evolution. Journal of Structural Geology, 2013, 51, 206-225.	1.0	121
82	Slow Earthquakes, Preseismic Velocity Changes, and the Origin of Slow Frictional Stick-Slip. Science, 2013, 341, 1229-1232.	6.0	124
83	Microslips as precursors of large slip events in the stickâ€slip dynamics of sheared granular layers: A discrete element model analysis. Geophysical Research Letters, 2013, 40, 4194-4198.	1.5	50
84	Laboratory observation of acoustic fluidization in granular fault gouge and implications for dynamic weakening of earthquake faults. Geochemistry, Geophysics, Geosystems, 2013, 14, 1012-1022.	1.0	25
85	Symmetry and the critical slip distance in rate and state friction laws. Journal of Geophysical Research: Solid Earth, 2013, 118, 3728-3741.	1.4	20
86	Linking permeability to crack density evolution in thermally stressed rocks under cyclic loading. Geophysical Research Letters, 2013, 40, 2590-2595.	1.5	43
87	The effects of entrained debris on the basal sliding stability of a glacier. Journal of Geophysical Research F: Earth Surface, 2013, 118, 656-666.	1.0	47
88	Acoustic emission and microslip precursors to stickâ€slip failure in sheared granular material. Geophysical Research Letters, 2013, 40, 5627-5631.	1.5	105
89	Meso-mechanical analysis of deformation characteristics for dynamically triggered slip in a granular medium. Philosophical Magazine, 2012, 92, 3520-3539.	0.7	14
90	Frictional strength and healing behavior of phyllosilicateâ€rich faults. Journal of Geophysical Research, 2012, 117, .	3.3	93

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91	Nonlinear dynamical triggering of slow slip on simulated earthquake faults with implications to Earth. Journal of Geophysical Research, 2012, 117, .	3.3	30
92	Permeability evolution during dynamic stressing of dual permeability media. Journal of Geophysical Research, 2012, 117, .	3.3	44
93	Frictional properties and sliding stability of the San Andreas fault from deep drill core. Geology, 2012, 40, 759-762.	2.0	88
94	Laboratory observations of permeability enhancement by fluid pressure oscillation of in situ fractured rock. Journal of Geophysical Research, 2011, 116, .	3.3	123
95	Influence of dilatancy on the frictional constitutive behavior of a saturated fault zone under a variety of drainage conditions. Journal of Geophysical Research, 2011, 116, .	3.3	24
96	Fault structure, frictional properties and mixed-mode fault slip behavior. Earth and Planetary Science Letters, 2011, 311, 316-327.	1.8	115
97	Vibration-induced slip in sheared granular layers and the micromechanics of dynamic earthquake triggering. Europhysics Letters, 2011, 96, 14001.	0.7	30
98	Weakness of the San Andreas Fault revealed by samples from the active fault zone. Nature Geoscience, 2011, 4, 251-254.	5.4	235
99	On the relation between fault strength and frictional stability. Geology, 2011, 39, 83-86.	2.0	278
100	Learning to read fault-slip behavior from fault-zone structure. Geology, 2010, 38, 767-768.	2.0	16
101	Fabric induced weakness of tectonic faults. Geophysical Research Letters, 2010, 37, .	1.5	89
102	Frictional strength and strain weakening in simulated fault gouge: Competition between geometrical weakening and chemical strengthening. Journal of Geophysical Research, 2010, 115, .	3.3	79
103	Effect of strain localization on frictional behavior of sheared granular materials. Journal of Geophysical Research, 2010, 115, .	3.3	61
104	Deformation band formation and strength evolution in unlithified sand: The role of grain breakage. Journal of Geophysical Research, 2010, 115, .	3.3	52
105	Fault zone fabric and fault weakness. Nature, 2009, 462, 907-910.	13.7	444
106	Significant effect of grain size distribution on compaction rates in granular aggregates. Earth and Planetary Science Letters, 2009, 284, 386-391.	1.8	36
107	Influence of shear and deviatoric stress on the evolution of permeability in fractured rock. Journal of Geophysical Research, 2009, 114, .	3.3	57
108	Shearâ€induced dilatancy of fluidâ€saturated faults: Experiment and theory. Journal of Geophysical Research, 2009, 114, .	3.3	148

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109	Frictional behavior of materials in the 3D SAFOD volume. Geophysical Research Letters, 2009, 36, .	1.5	75
110	Clay fabric intensity in natural and artificial fault gouges: Implications for brittle fault zone processes and sedimentary basin clay fabric evolution. Journal of Geophysical Research, 2009, 114, .	3.3	80
111	Frictional and hydrologic properties of clayâ€rich fault gouge. Journal of Geophysical Research, 2009, 114, .	3.3	342
112	Chapter 6 The Critical Slip Distance for Seismic and Aseismic Fault Zones of Finite Width. International Geophysics, 2009, 94, 135-162.	0.6	29
113	Chapter 7 Scaling of Slip Weakening Distance with Final Slip during Dynamic Earthquake Rupture. International Geophysics, 2009, 94, 163-186.	0.6	29
114	Effects of acoustic waves on stickâ€“slip in granular media and implications for earthquakes. Nature, 2008, 451, 57-60.	13.7	179
115	Laboratory investigation of the frictional behavior of granular volcanic material. Journal of Volcanology and Geothermal Research, 2008, 173, 265-279.	0.8	13
116	Potential for earthquake triggering from transient deformations. Journal of Geophysical Research, 2008, 113, .	3.3	65
117	Healing of simulated fault gouges aided by pressure solution: Results from rock analogue experiments. Journal of Geophysical Research, 2008, 113, .	3.3	74
118	Laboratory study of the frictional rheology of sheared till. Journal of Geophysical Research, 2008, 113, .	3.3	94
119	What Triggers Tremor?. Science, 2008, 319, 166-167.	6.0	4
120	Transition from Rolling to Jamming in Thin Granular Layers. Physical Review Letters, 2008, 101, 248001.	2.9	13
121	Rate Dependence of Acoustic Emissions Generated during Shear of Simulated Fault Gouge. Bulletin of the Seismological Society of America, 2007, 97, 1841-1849.	1.1	24
122	Effects of shear velocity oscillations on stick-slip behavior in laboratory experiments. Journal of Geophysical Research, 2007, 112, .	3.3	47
123	Friction of sheared granular layers: Role of particle dimensionality, surface roughness, and material properties. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.	1.0	29
124	Effect of hydration state on the frictional properties of montmorillonite-based fault gouge. Journal of Geophysical Research, 2007, 112, .	3.3	154
125	GEOPHYSICS: Do Earthquakes Rupture Piece by Piece or All Together?. Science, 2006, 313, 1748-1749.	6.0	6
126	Effects of normal stress perturbations on the frictional properties of simulated faults. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	1.0	61

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127	Fault zone restrengthening and frictional healing: The role of pressure solution. Journal of Geophysical Research, 2005, 110, .	3.3	116
128	Influence of particle characteristics on granular friction. Journal of Geophysical Research, 2005, 110, .	3.3	218
129	Systematic variations in recurrence interval and moment of repeating aftershocks. Geophysical Research Letters, 2005, 32, .	1.5	59
130	Effects of normal stress variation on the strength and stability of creeping faults. Journal of Geophysical Research, 2004, 109, .	3.3	67
131	Comparison of smectite- and illite-rich gouge frictional properties: application to the updip limit of the seismogenic zone along subduction megathrusts. Earth and Planetary Science Letters, 2003, 215, 219-235.	1.8	476
132	Instability of Deformation. Reviews in Mineralogy and Geochemistry, 2002, 51, 181-199.	2.2	22
133	Influence of grain characteristics on the friction of granular shear zones. Journal of Geophysical Research, 2002, 107, ECV 4-1-ECV 4-9.	3.3	261
134	Effect of humidity on granular friction at room temperature. Journal of Geophysical Research, 2002, 107, ETG 11-1-ETG 11-13.	3.3	130
135	The effect of particle dimensionality on Granular friction in laboratory shear zones. Geophysical Research Letters, 2002, 29, 22-1-22-4.	1.5	49
136	Stressed to quaking point. Nature, 2002, 419, 32-32.	13.7	1
137	Fractional restrengthening in simulated fault gouge: Effect of shear load perturbations. Journal of Geophysical Research, 2001, 106, 19319-19337.	3.3	66
138	Laboratory results indicating complex and potentially unstable frictional behavior of smectite clay. Geophysical Research Letters, 2001, 28, 2297-2300.	1.5	134
139	Effects of loading rate and normal stress on stress drop and stick-slip recurrence interval. Geophysical Monograph Series, 2000, , 187-198.	0.1	60
140	Friction of simulated fault gouge for a wide range of velocities and normal stresses. Journal of Geophysical Research, 1999, 104, 28899-28914.	3.3	216
141	Effects of normal stress vibrations on frictional healing. Journal of Geophysical Research, 1999, 104, 28859-28878.	3.3	115
142	The effect of loading rate on static friction and the rate of fault healing during the earthquake cycle. Nature, 1998, 391, 69-72.	13.7	321
143	The effect of shear load on frictional healing in simulated fault gouge. Geophysical Research Letters, 1998, 25, 4561-4564.	1.5	53
144	LABORATORY-DERIVED FRICTION LAWS AND THEIR APPLICATION TO SEISMIC FAULTING. Annual Review of Earth and Planetary Sciences, 1998, 26, 643-696.	4.6	1,597

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145	Transformation shear instability and the seismogenic zone for deep earthquakes. Geophysical Research Letters, 1997, 24, 1887-1890.	1.5	8
146	Laboratory study of fault healing and lithification in simulated fault gouge under hydrothermal conditions. Tectonophysics, 1997, 277, 41-55.	0.9	128
147	Earthquake nucleation on model faults with rate- and state-dependent friction: Effects of inertia. Journal of Geophysical Research, 1996, 101, 13919-13932.	3.3	75
148	Fault zone strength and failure criteria. Geophysical Research Letters, 1995, 22, 723-726.	1.5	55
149	Fault healing inferred from time dependent variations in source properties of repeating earthquakes. Geophysical Research Letters, 1995, 22, 3095-3098.	1.5	182
150	Basaltic volcanism and extension near the intersection of the Sierra Madre volcanic province and the Mexican Volcanic Belt. Bulletin of the Geological Society of America, 1994, 106, 383-394.	1.6	100
151	Scaling of rock friction constitutive parameters: The effects of surface roughness and cumulative offset on friction of gabbro. Pure and Applied Geophysics, 1994, 143, 359-385.	0.8	74
152	Variations in rupture process with recurrence interval in a repeated small earthquake. Nature, 1994, 368, 624-626.	13.7	198
153	Scaling of the critical slip distance for seismic faulting with shear strain in fault zones. Nature, 1993, 362, 618-621.	13.7	375
154	Coulomb constitutive laws for friction: Contrasts in frictional behavior for distributed and localized shear. Pure and Applied Geophysics, 1992, 139, 195-214.	0.8	100
155	A note on the stress-dilatancy relation for simulated fault gouge. Pure and Applied Geophysics, 1991, 137, 409-419.	0.8	22
156	Frictional behavior and constitutive modeling of simulated fault gouge. Journal of Geophysical Research, 1990, 95, 7007-7025.	3.3	529
157	Particle-size distribution and microstructures within simulated fault gouge. Journal of Structural Geology, 1989, 11, 799-814.	1.0	314
158	The depth of seismic faulting and the upper transition from stable to unstable slip regimes. Geophysical Research Letters, 1988, 15, 621-624.	1.5	410
159	Evolution of shear fabric in granular fault gouge from stable sliding to stick slip and implications for fault slip mode. Geology, 0, , G39033.1.	2.0	36