Roland Burgmann

List of Publications by Year
in descending order

285 papers	19,849 citations	9786 73 h-index	13771 129 g-index
303 all docs	303 docs citations	303 times ranked	9640 citing authors

#	Article	IF	Citations
1	Continuous deformation of the Tibetan Plateau from global positioning system data. Geology, 2004, 32, 809.	4.4	1,289
2	Synthetic Aperture Radar Interferometry to Measure Earthâ€™s Surface Topography and Its Deformation. Annual Review of Earth and Planetary Sciences, 2000, 28, 169-209.	11.0	909
3	Rheology of the Lower Crust and Upper Mantle: Evidence from Rock Mechanics, Geodesy, and Field Observations. Annual Review of Earth and Planetary Sciences, 2008, 36, 531-567.	11.0	855
4	Contemporary crustal deformation around the southeast borderland of the Tibetan Plateau. Journal of Geophysical Research, 2005, 110, .	3.3	556
5	Slip maxima at fault junctions and rupturing of barriers during the 2008 Wenchuan earthquake. Nature Geoscience, 2009, 2, 718-724.	12.9	495
6	Time-dependent land uplift and subsidence in the Santa Clara valley, California, from a large interferometric synthetic aperture radar data set. Journal of Geophysical Research, 2003, 108, .	3.3	423
7	Dynamics of Slow-Moving Landslides from Permanent Scatterer Analysis. Science, 2004, 304, 1952-1955.	12.6	409
8	Kinematics of the India-Eurasia collision zone from GPS measurements. Journal of Geophysical Research, 1999, 104, 1077-1093.	3.3	322
9	Convergence across the northwest Himalaya from GPS measurements. Geophysical Research Letters, 2002, 29, 30-1.	4.0	296
10	Slip distributions on faults: effects of stress gradients, inelastic deformation, heterogeneous host-rock stiffness, and fault interaction. Journal of Structural Geology, 1994, 16, 1675-1690.	2.3	283
11	Evidence of power-law flow in the Mojave desert mantle. Nature, 2004, 430, 548-551.	27.8	282
12	The geophysics, geology and mechanics of slow fault slip. Earth and Planetary Science Letters, 2018, 495, 112-134.	4.4	262
13	The motion and active deformation of India. Geophysical Research Letters, 2001, 28, 647-650.	4.0	253
14	Geodynamics of the southeastern Tibetan Plateau from seismic anisotropy and geodesy. Geology, 2007, 35, 563.	4.4	218
15	Mobility of continental mantle: Evidence from postseismic geodetic observations following the 1992 Landers earthquake. Journal of Geophysical Research, 2000, 105, 8035-8054.	3.3	211
16	Intraplate deformation of the Indian subcontinent. Geophysical Research Letters, 2008, 35, .	4.0	201
17	Earthquake Potential Along the Northern Hayward Fault, California. Science, 2000, 289, 1178-1182.	12.6	200
18	The Size and Duration of the Sumatra-Andaman Earthquake from Far-Field Static Offsets. Science, 2005, 308, 1769-1772.	12.6	198

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19	Uplift and seismicity driven by groundwater depletion in central California. Nature, 2014, 509, 483-486.	27.8	194
20	Tremor-tide correlations and near-lithostatic pore pressure on the deep San Andreas fault. Nature, 2009, 462, 1048-1051.	27.8	189
21	Dominant role of tectonic inheritance in supercontinent cycles. Nature Geoscience, 2011, 4, 184-187.	12.9	184
22	Time-Dependent Distributed Afterslip on and Deep below the Izmit Earthquake Rupture. Bulletin of the Seismological Society of America, 2002, 92, 126-137.	2.3	179
23	Post-seismic relaxation following the great 2004 Sumatra-Andaman earthquake on a compressible self-gravitating Earth. Geophysical Journal International, 2006, 167, 397-420.	2.4	179
24	Resolving vertical tectonics in the San Francisco Bay Area from permanent scatterer InSAR and GPS analysis. Geology, 2006, 34, 221.	4.4	175
25	Predictability of hydraulic head changes and characterization of aquiferâ€system and fault properties from InSARâ€derived ground deformation. Journal of Geophysical Research: Solid Earth, 2014, 119, 6572-6590.	3.4	171
26	Implications of deformation following the 2002 Denali, Alaska, earthquake for postseismic relaxation processes and lithospheric rheology. Journal of Geophysical Research, 2006, 111, .	3.3	157
27	The 11 April 2012 east Indian Ocean earthquake triggered large aftershocks worldwide. Nature, 2012, 490, 250-253.	27.8	157
28	Interseismic coupling and asperity distribution along the Kamchatka subduction zone. Journal of Geophysical Research, 2005, 110, .	3.3	156
29	Coseismic Slip Distributions of the 26 December 2004 Sumatra-Andaman and 28 March 2005 Nias Earthquakes from GPS Static Offsets. Bulletin of the Seismological Society of America, 2007, 97, S86-S102.	2.3	156
30	Possible control of subduction zone slow-earthquake periodicity by silica enrichment. Nature, 2014, 510, 389-392.	27.8	151
31	The Adriatic region: An independent microplate within the Africa-Eurasia collision zone. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	148
32	Repeating Earthquakes. Annual Review of Earth and Planetary Sciences, 2019, 47, 305-332.	11.0	130
33	Deformation during the 12 November 1999 Duzce, Turkey, Earthquake, from GPS and InSAR Data. Bulletin of the Seismological Society of America, 2002, 92, 161-171.	2.3	126
34	Distribution of aseismic slip rate on the Hayward fault inferred from seismic and geodetic data. Journal of Geophysical Research, 2005, 110, .	3.3	124
35	Periodic slow slip triggers megathrust zone earthquakes in northeastern Japan. Science, 2016, 351, 488-492.	12.6	122
36	Seasonal water storage, stress modulation, and California seismicity. Science, 2017, 356, 1161-1164.	12.6	122

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37	Joint estimation of afterslip rate and postseismic relaxation following the 1989 Loma Prieta earthquake. Journal of Geophysical Research, 1998, 103, 26975-26992.	3.3	118
38	A shift from drought to extreme rainfall drives a stable landslide to catastrophic failure. Scientific Reports, 2019, 9, 1569.	3.3	117
39	Shallow fault-zone dilatancy recovery after the 2003 Bam earthquake in Iran. Nature, 2009, 458, 64-68.	27.8	113
40	Seafloor Geodesy. Annual Review of Earth and Planetary Sciences, 2014, 42, 509-534.	11.0	113
41	Independent active microplate tectonics of northeast Asia from GPS velocities and block modeling. Geophysical Research Letters, 2006, 33, .	4.0	109
42	Effect of 3-D viscoelastic structure on post-seismic relaxation from the 2004<i>M</i>= 9.2 Sumatra earthquake. Geophysical Journal International, 2008, 173, 189-204.	2.4	109
43	Rapid Deformation of the South Flank of Kilauea Volcano, Hawaii. Science, 1995, 267, 1328-1332.	12.6	107
44	Probing the lithospheric rheology across the eastern margin of the Tibetan Plateau. Earth and Planetary Science Letters, 2014, 396, 88-96.	4.4	105
45	Slip of the 2004 Sumatra-Andaman Earthquake from Joint Inversion of Long-Period Global Seismic Waveforms and GPS Static Offsets. Bulletin of the Seismological Society of America, 2007, 97, S115-S127.	2.3	104
46	Postseismic strain following the 1989 Loma Prieta earthquake from GPS and leveling measurements. Journal of Geophysical Research, 1997, 102, 4933-4955.	3.3	103
47	Stressâ€driven relaxation of heterogeneous upper mantle and timeâ€dependent afterslip following the 2011 Tohoku earthquake. Journal of Geophysical Research: Solid Earth, 2016, 121, 385-411.	3.4	103
48	Slicing up the San Francisco Bay Area: Block kinematics and fault slip rates from GPS-derived surface velocities. Journal of Geophysical Research, 2005, 110, .	3.3	100
49	Stress-dependent power-law flow in the upper mantle following the 2002 Denali, Alaska, earthquake. Earth and Planetary Science Letters, 2006, 252, 481-489.	4.4	99
50	Kinematic fault slip evolution source models of the 2008 M7.9 Wenchuan earthquake in China from SAR interferometry, GPS and teleseismic analysis and implications for Longmen Shan tectonics. Geophysical Journal International, 2013, 194, 1138-1166.	2.4	97
51	Lower crustal relaxation beneath the Tibetan Plateau and Qaidam Basin following the 2001 Kokoxili earthquake. Geophysical Journal International, 2011, 187, 613-630.	2.4	96
52	Evolution of stress in Southern California for the past 200 years from coseismic, postseismic and interseismic stress changes. Geophysical Journal International, 2007, 169, 1164-1179.	2.4	94
53	Geodetic slip model of the 2011 M9.0 Tohoku earthquake. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	94
54	Lessons Learned from the 2004 Sumatra-Andaman Megathrust Rupture. Annual Review of Earth and Planetary Sciences, 2010, 38, 103-131.	11.0	93

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55	Global climate change and local land subsidence exacerbate inundation risk to the San Francisco Bay Area. Science Advances, 2018, 4, eaap9234.	10.3	93
56	Late Holocene Rupture of the Northern San Andreas Fault and Possible Stress Linkage to the Cascadia Subduction Zone. Bulletin of the Seismological Society of America, 2008, 98, 861-889.	2.3	92
57	Time-dependent triggered afterslip following the 1989 Loma Prieta earthquake. Journal of Geophysical Research, 2000, 105, 5615-5634.	3.3	89
58	The evolution of the seismic-aseismic transition during the earthquake cycle: Constraints from the time-dependent depth distribution of aftershocks. Geophysical Research Letters, 2004, 31, .	4.0	88
59	Remote Sensing of Ground Deformation for Monitoring Groundwater Management Practices: Application to the Santa Clara Valley During the 2012â€“2015 California Drought. Journal of Geophysical Research: Solid Earth, 2017, 122, 8566-8582.	3.4	88
60	Tidal triggering of low frequency earthquakes near Parkfield, California: Implications for fault mechanics within the brittleâ€ductile transition. Journal of Geophysical Research, 2012, 117, .	3.3	86
61	GPS constrained coseismic source and slip distribution of the 2013 Mw6.6 Lushan, China, earthquake and its tectonic implications. Geophysical Research Letters, 2014, 41, 407-413.	4.0	86
62	Dual megathrust slip behaviors of the 2014 Iquique earthquake sequence. Earth and Planetary Science Letters, 2015, 411, 177-187.	4.4	85
63	Farâ€reaching transient motions after Mojave earthquakes require broad mantle flow beneath a strong crust. Geophysical Research Letters, 2007, 34, .	4.0	83
64	Space geodetic monitoring of engineered structures: The ongoing destabilization of the Mosul dam, Iraq. Scientific Reports, 2016, 6, 37408.	3.3	83
65	Dominant Controls of Downdip Afterslip and Viscous Relaxation on the Postseismic Displacements Following the <i>M</i>_{<i>w</i>}7.9 Gorkha, Nepal, Earthquake. Journal of Geophysical Research: Solid Earth, 2017, 122, 8376-8401.	3.4	83
66	Transpressional Rupture Cascade of the 2016 M_w 7.8 Kaikoura Earthquake, New Zealand. Journal of Geophysical Research: Solid Earth, 2018, 123, 2396-2409.	3.4	83
67	Strain accommodation about strike-slip fault discontinuities in granitic rock under brittle-to-ductile conditions. Journal of Structural Geology, 1994, 16, 1655-1674.	2.3	82
68	Strain accumulation across the Messina Straits and kinematics of Sicily and Calabria from GPS data and dislocation modeling. Earth and Planetary Science Letters, 2010, 298, 347-360.	4.4	80
69	Topography correlated atmospheric delay correction in radar interferometry using wavelet transforms. Geophysical Research Letters, 2012, 39, .	4.0	80
70	Implications for elastic energy storage in the Himalaya from the Gorkha 2015 earthquake and other incomplete ruptures of the Main Himalayan Thrust. Quaternary International, 2017, 462, 3-21.	1.5	80
71	Surface slip during large Owens Valley earthquakes. Geochemistry, Geophysics, Geosystems, 2016, 17, 2239-2269.	2.5	79
72	Constraints on the mechanism of long-term, steady subsidence at Medicine Lake volcano, northern California, from GPS, leveling, and InSAR. Journal of Volcanology and Geothermal Research, 2006, 150, 55-78.	2.1	78

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73	Precise location of San Andreas Fault tremors near Cholame, California using seismometer clusters: Slip on the deep extension of the fault?. Geophysical Research Letters, 2009, 36, .	4.0	78
74	Four-dimensional surface motions of the Slumgullion landslide and quantification of hydrometeorological forcing. Nature Communications, 2020, 11, 2792.	12.8	78
75	Geologic versus geodetic deformation adjacent to the San Andreas fault, central California. Bulletin of the Geological Society of America, 2011, 123, 794-820.	3.3	77
76	Bayesian inference of plastosphere viscosities near the Kunlun Fault, northern Tibet. Geophysical Research Letters, 2005, 32, .	4.0	75
77	Large extensional aftershocks in the continental forearc triggered by the 2010 Maule earthquake, Chile. Geophysical Journal International, 2012, 188, 879-890.	2.4	75
78	Rapid aseismic moment release following the 5 December, 1997 Kronotsky, Kamchatka, Earthquake. Geophysical Research Letters, 2001, 28, 1331-1334.	4.0	73
79	Spatiotemporal Patterns of Precipitationâ€Modulated Landslide Deformation From Independent Component Analysis of InSAR Time Series. Geophysical Research Letters, 2018, 45, 1878-1887.	4.0	73
80	Whatâ€™s down there? The structures, materials and environment of deep-seated slow slip and tremor. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200218.	3.4	73
81	InSAR permanent scatterer analysis reveals ups and downs in San Francisco Bay Area. Eos, 2004, 85, 317.	0.1	72
82	Spatial variations in slip deficit on the central San Andreas Fault from InSAR. Geophysical Journal International, 2008, 175, 837-852.	2.4	72
83	Asthenosphere rheology inferred from observations of the 2012 Indian Ocean earthquake. Nature, 2016, 538, 368-372.	27.8	71
84	Seismically and geodetically determined nondoubleâ€couple source mechanisms from the 2000 Miyakejima volcanic earthquake swarm. Journal of Geophysical Research, 2007, 112, .	3.3	69
85	Coupled afterslip and viscoelastic flow following the 2002 Denali Fault, Alaska earthquake. Geophysical Journal International, 2009, 176, 670-682.	2.4	69
86	Timeâ€dependent model of creep on the Hayward fault from joint inversion of 18â€‰years of InSAR and surface creep data. Journal of Geophysical Research: Solid Earth, 2013, 118, 1733-1746.	3.4	68
87	Toward full exploitation of coherent and incoherent information in Sentinelâ€1 TOPS data for retrieving surface displacement: Application to the 2016 Kumamoto (Japan) earthquake. Geophysical Research Letters, 2017, 44, 1758-1767.	4.0	68
88	Postseismic motion after the 2001 M_W 7.8 Kokoxili earthquake in Tibet observed by InSAR time series. Journal of Geophysical Research, 2012, 117, .	3.3	67
89	Threeâ€dimensional surface deformation derived from airborne interferometric UAVSAR: Application to the Slumgullion Landslide. Journal of Geophysical Research: Solid Earth, 2016, 121, 3951-3977.	3.4	66
90	Rise and fall of the southern Santa Cruz Mountains, California, from fission tracks, geomorphology, and geodesy. Journal of Geophysical Research, 1994, 99, 20181-20202.	3.3	65

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91	Contributions of poroelastic rebound and a weak volcanic arc to the postseismic deformation of the 2011 Tohoku earthquake. Earth, Planets and Space, 2014, 66, .	2.5	63
92	The effective elastic thickness of the continental lithosphere: Comparison between rheological and inverse approaches. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	62
93	Spatial variations in fault friction related to lithology from rupture and afterslip of the 2014 South Napa, California, earthquake. Geophysical Research Letters, 2016, 43, 6808-6816.	4.0	62
94	Tracking the weight of Hurricane Harveyâ€™s stormwater using GPS data. Science Advances, 2018, 4, eaau2477.	10.3	62
95	The rise, collapse, and compaction of Mt. Mantap from the 3 September 2017 North Korean nuclear test. Science, 2018, 361, 166-170.	12.6	62
96	Influence of lithosphere viscosity structure on estimates of fault slip rate in the Mojave region of the San Andreas fault system. Journal of Geophysical Research, 2007, 112, .	3.3	61
97	Postseismic variations in seismic moment and recurrence interval of repeating earthquakes. Earth and Planetary Science Letters, 2010, 299, 118-125.	4.4	61
98	Rupture Process of the 2019 Ridgecrest, California MwÂ6.4 Foreshock and MwÂ7.1 Earthquake Constrained by Seismic and Geodetic Data. Bulletin of the Seismological Society of America, 2020, 110, 1603-1626.	2.3	60
99	Coseismic slip distribution of the February 27, 2010 Mw 8.8 Maule, Chile earthquake. Geophysical Research Letters, 2011, 38, .	4.0	59
100	Imprint of the North American plate in Siberia revealed by GPS. Geophysical Research Letters, 2003, 30, .	4.0	58
101	No frictional heat along the San Gabriel fault, California: Evidence from fission-track thermochronology. Geology, 2003, 31, 541.	4.4	56
102	Stress changes along the Sunda trench following the 26 December 2004 Sumatra-Andaman and 28 March 2005 Nias earthquakes. Geophysical Research Letters, 2006, 33, .	4.0	55
103	Steady-state laboratory flow laws alone fail to explain postseismic observations. Earth and Planetary Science Letters, 2010, 300, 1-10.	4.4	55
104	Interseismic coupling and refined earthquake potential on the Haywardâ€Calaveras fault zone. Journal of Geophysical Research: Solid Earth, 2015, 120, 8570-8590.	3.4	55
105	Stress Models of the Annual Hydrospheric, Atmospheric, Thermal, and Tidal Loading Cycles on California Faults: Perturbation of Background Stress and Changes in Seismicity. Journal of Geophysical Research: Solid Earth, 2017, 122, 10,605.	3.4	55
106	Coseismic slip distribution of the 2002 MW7.9 Denali fault earthquake, Alaska, determined from GPS measurements. Geophysical Research Letters, 2003, 30, .	4.0	52
107	Creep and quakes on the northern transition zone of the San Andreas fault from GPS and InSAR data. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	52
108	Do earthquakes talk to each other? Triggering and interaction of repeating sequences at Parkfield. Journal of Geophysical Research: Solid Earth, 2013, 118, 165-182.	3.4	50

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109	Structural Control on Downdip Locking Extent of the Himalayan Megathrust. Journal of Geophysical Research: Solid Earth, 2018, 123, 5265-5278.	3.4	49
110	The 2013 Okhotsk deep-focus earthquake: Rupture beyond the metastable olivine wedge and thermally controlled rise time near the edge of a slab. Geophysical Research Letters, 2014, 41, 3779-3785.	4.0	48
111	COSMO-SkyMed Spotlight Interferometry Over Rural Areas: The Slumgullion Landslide in Colorado, USA. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2919-2926.	4.9	48
112	Applicability of Sentinelâ€1 Terrain Observation by Progressive Scans multitemporal interferometry for monitoring slow ground motions in the San Francisco Bay Area. Geophysical Research Letters, 2017, 44, 2733-2742.	4.0	48
113	Creep on the Rodgers Creek fault, northern San Francisco Bay area from a 10 year PSâ€InSAR dataset. Geophysical Research Letters, 2007, 34, .	4.0	47
114	Behavior of Repeating Earthquake Sequences in Central California and the Implications for Subsurface Fault Creep. Bulletin of the Seismological Society of America, 2008, 98, 52-65.	2.3	47
115	Mobility, Thickness, and Hydraulic Diffusivity of the Slowâ€Moving Monroe Landslide in California Revealed by Lâ€Band Satellite Radar Interferometry. Journal of Geophysical Research: Solid Earth, 2019, 124, 7504-7518.	3.4	47
116	Assessing seasonal and interannual water storage variations in Taiwan using geodetic and hydrological data. Earth and Planetary Science Letters, 2020, 550, 116532.	4.4	47
117	Aseismic slip and faultâ€normal strain along the central creeping section of the San Andreas fault. Geophysical Research Letters, 2008, 35, .	4.0	46
118	Slow slip events in the roots of the San Andreas fault. Science Advances, 2019, 5, eaav3274.	10.3	46
119	Slip rate deficit and earthquake potential on shallow megathrusts. Nature Geoscience, 2021, 14, 321-326.	12.9	46
120	Earthquake-cycle deformation and fault slip rates in northern Tibet. Geology, 2009, 37, 31-34.	4.4	45
121	Tandem afterslip on connected fault planes following the 2008 Nimaâ€Gaize (Tibet) earthquake. Journal of Geophysical Research, 2010, 115, .	3.3	45
122	Fault geometry and slip distribution of the 2008<i>M</i>_w7.9 Wenchuan, China earthquake, inferred from GPS and InSAR measurements. Geophysical Journal International, 2017, 208, 748-766.	2.4	45
123	Steady subsidence of Medicine Lake volcano, northern California, revealed by repeated leveling surveys. Journal of Geophysical Research, 2002, 107, ECV 8-1-ECV 8-16.	3.3	44
124	Kinematics of the Mw=7.2, 12 November 1999, DÃ¼zce, Turkey Earthquake. Geophysical Research Letters, 2001, 28, 367-370.	4.0	43
125	Fast geodetic strain-rates in eastern Sicily (southern Italy): New insights into block tectonics and seismic potential in the area of the great 1693 earthquake. Earth and Planetary Science Letters, 2014, 404, 77-88.	4.4	43
126	The postseismic response to the 2002<i>M</i>7.9 Denali Fault earthquake: constraints from InSAR 2003-2005. Geophysical Journal International, 2009, 176, 353-367.	2.4	42

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127	Influence of the state of stress on the brittle-ductile transition in granitic rock: Evidence from fault steps in the Sierra Nevada, California. Geology, 1992, 20, 645.	4.4	41
128	Seasonal modulation of deep slow-slip and earthquakes on the Main Himalayan Thrust. Nature Communications, 2018, 9, 4140.	12.8	40
129	Coseismic deformation of the 2002 Denali Fault earthquake: Insights from GPS measurements. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	39
130	Inferring fault rheology from lowâ€frequency earthquakes on the San Andreas. Journal of Geophysical Research: Solid Earth, 2013, 118, 5976-5990.	3.4	39
131	Spatio-temporal foreshock evolution of the 2019 M 6.4 and M 7.1 Ridgecrest, California earthquakes. Earth and Planetary Science Letters, 2020, 551, 116582.	4.4	38
132	Postseismic Deformation of the 2008 Wenchuan Earthquake Illuminates Lithospheric Rheological Structure and Dynamics of Eastern Tibet. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022399.	3.4	38
133	Transpression along the Southern San Andreas Fault, Durmid Hill, California. Tectonics, 1991, 10, 1152-1163.	2.8	36
134	Global Positioning System measurements of Indian Plate Motion and convergence across the lesser Himalaya. Geophysical Research Letters, 1996, 23, 3107-3110.	4.0	35
135	InSAR constraints on the source parameters of the 2001 Bhuj earthquake. Geophysical Research Letters, 2006, 33, .	4.0	35
136	Coseismic and post-seismic activity associated with the 2008 Mw 6.3 Damxung earthquake, Tibet, constrained by InSAR. Geophysical Journal International, 2014, 196, 788-803.	2.4	35
137	Weak mantle in NW India probed by geodetic measurements following the 2001 Bhuj earthquake. Earth and Planetary Science Letters, 2009, 280, 229-235.	4.4	34
138	Joint inversion of seismic and geodetic data for the source of the 2010 March 4, Mw 6.3 Jia-Shian, SW Taiwan, earthquake. Geophysical Journal International, 2013, 193, 1608-1626.	2.4	34
139	Fault geometry inversion and slip distribution of the 2010 <i>M_w</i> 7.2 El Mayorâ€Cucapah earthquake from geodetic data. Journal of Geophysical Research: Solid Earth, 2017, 122, 607-621.	3.4	34
140	Coseismic slip model of the 2007 August Pisco earthquake (Peru) as constrained by Wide Swath radar observations. Geophysical Journal International, 2008, 174, 842-848.	2.4	33
141	Effective stress, friction, and deep crustal faulting. Journal of Geophysical Research: Solid Earth, 2016, 121, 1040-1059.	3.4	33
142	A Decade of Lessons Learned from the 2011 Tohokuâ€Oki Earthquake. Reviews of Geophysics, 2021, 59, e2020RG000713.	23.0	33
143	Surface creep along the Longitudinal Valley fault, Taiwan from InSAR measurements. Geophysical Research Letters, 2006, 33, .	4.0	32
144	Potential for larger earthquakes in the East San Francisco Bay Area due to the direct connection between the Hayward and Calaveras Faults. Geophysical Research Letters, 2015, 42, 2734-2741.	4.0	32

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145	Early aftershocks and afterslip surrounding the 2015 Mw 8.4 Illapel rupture. Earth and Planetary Science Letters, 2017, 457, 282-291.	4.4	31
146	Mechanical constraints on inversion of coseismic geodetic data for fault slip and geometry: Example from InSAR observation of the 6 October 2008<i>M</i>_{<i>w</i>}6.3 Dangxiong-Yangyi (Tibet) earthquake. Journal of Geophysical Research, 2011, 116, .	3.3	30
147	Illumination of rheological mantle heterogeneity by the M7.2 2010 El Mayorâ€Cucapah earthquake. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	30
148	Co- and Early Postseismic Deformation Due to the 2019 Ridgecrest Earthquake Sequence Constrained by Sentinel-1 and COSMO-SkyMed SAR Data. Seismological Research Letters, 2020, 91, 1998-2009.	1.9	30
149	When faults communicate: Viscoelastic coupling and earthquake clustering in a simple two-fault system. Geophysical Research Letters, 2003, 30, .	4.0	29
150	An increment of volcano collapse: Kinematics of the 1975 Kalapana, Hawaii, earthquake. Journal of Volcanology and Geothermal Research, 2006, 150, 163-185.	2.1	29
151	Coseismic and postseismic slip from the 2003 San Simeon earthquake and their effects on backthrust slip and the 2004 Parkfield earthquake. Journal of Geophysical Research, 2010, 115, .	3.3	29
152	Interseismic Ground Deformation and Fault Slip Rates in the Greater San Francisco Bay Area From Two Decades of Space Geodetic Data. Journal of Geophysical Research: Solid Earth, 2018, 123, 8095-8109.	3.4	29
153	Separation of Sources of Seasonal Uplift in China Using Independent Component Analysis of GNSS Time Series. Journal of Geophysical Research: Solid Earth, 2019, 124, 11951-11971.	3.4	29
154	Slip along the Hayward fault, California, estimated from space-based synthetic aperture radar interferometry. Geology, 1998, 26, 559.	4.4	28
155	Geodetic exploration of the elastic properties across and within the northern San Andreas Fault zone. Earth and Planetary Science Letters, 2009, 288, 126-131.	4.4	28
156	An improved geodetic source model for the 1999<i>M</i>_w6.3 Chamoli earthquake, India. Geophysical Journal International, 2016, 205, 236-242.	2.4	28
157	Delayed dynamic triggering: Local seismicity leading up to three remote <i>M</i>â€‰â‰¥â€‰6 aftershocks of the 11 April 2012 M8.6 Indian Ocean earthquake. Journal of Geophysical Research: Solid Earth, 2016, 121, 134-151.	3.4	28
158	Synchronized and asynchronous modulation of seismicity by hydrological loading: A case study in Taiwan. Science Advances, 2021, 7, .	10.3	28
159	Synthetic normal faulting of the 9 January 2008 Nima (Tibet) earthquake from conventional and alongâ€track SAR interferometry. Geophysical Research Letters, 2008, 35, .	4.0	27
160	Depth migration of seasonally induced seismicity at The Geysers geothermal field. Geophysical Research Letters, 2016, 43, 6196-6204.	4.0	27
161	Changes in Groundwater Level Possibly Encourage Shallow Earthquakes in Central Australia: The 2016 Petermann Ranges Earthquake. Geophysical Research Letters, 2019, 46, 3189-3198.	4.0	27
162	New Opportunities to Study Earthquake Precursors. Seismological Research Letters, 2020, 91, 2444-2447.	1.9	27

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163	Bookshelf Kinematics and the Effect of Dilatation on Fault Zone Inelastic Deformation: Examples From Optical Image Correlation Measurements of the 2019 Ridgecrest Earthquake Sequence. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020551.	3.4	27
164	Partial Coupling and Earthquake Potential Along the Xianshuihe Fault, China. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021406.	3.4	27
165	Coseismic slip distribution of the 2003Mw6.6 San Simeon earthquake, California, determined from GPS measurements and seismic waveform data. Geophysical Research Letters, 2006, 33, .	4.0	26
166	Static stress interactions in extensional earthquake sequences: An example from the South Lunggar Rift, Tibet. Journal of Geophysical Research, 2012, 117, .	3.3	26
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