Roland Burgmann

List of Publications by Year
in descending order

285	19,849	11235 73	15698 129
papers	citations	h-index	g-index

303	303	303	10880
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geomorphic expressions of active tectonics across the Indo-Burma Range. Journal of Asian Earth Sciences, 2022, 223, 105008.	1.0	10
2	Largeâ€Scale Crustal Deformation, Slipâ€Rate Variation, and Strain Distribution Along the Kunlun Fault (Tibet) From Sentinelâ€1 InSAR Observations (2015â€“2020). Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	11
3	Stress Orientations and Driving Forces in the Indo-Burma Plate Boundary Zone. Bulletin of the Seismological Society of America, 2022, 112, 1323-1335.	1.1	6
4	Bridging earthquakes and mountain building in the Santa Cruz Mountains, CA. Science Advances, 2022, 8, eabi6031.	4.7	5
5	Aseismic slip and recent ruptures of persistent asperities along the Alaska-Aleutian subduction zone. Nature Communications, 2022, 13, .	5.8	10
6	A multi-platform, open-source, and quantitative remote sensing framework for dam-related hazard investigation: Insights into the 2020 Sardoba dam collapse. International Journal of Applied Earth Observation and Geoinformation, 2022, 111, 102849.	0.9	4
7	Application of an improved multi-temporal InSAR method and forward geophysical model to document subsidence and rebound of the Chinese Loess Plateau following land reclamation in the Yan'an New District. Remote Sensing of Environment, 2022, 279, 113102.	4.6	14
8	Thin crÃ¨me brÃ»lÃ©e rheological structure for the Eastern California Shear Zone. Geology, 2021, 49, 216-221.	2.0	14
9	Periodicity Analysis of Earthquake Occurrence and Hypocenter Depth Near Parkfield, California, 1994â€“2002 Versus 2006â€“2014. Geophysical Research Letters, 2021, 48, e2020GL089673.	1.5	4
10	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.	1.6	73
11	A revised position for the primary strand of the Pleistocene-Holocene San Andreas fault in southern California. Science Advances, 2021, 7, .	4.7	17
12	Relaxation of Tibetan Lower Crust and Afterslip Driven by the 2001 Mw7.8 Kokoxili, China, Earthquake Constrained by a Decade of Geodetic Measurements. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021314.	1.4	24
13	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.	1.4	27
14	Synchronized and asynchronous modulation of seismicity by hydrological loading: A case study in Taiwan. Science Advances, 2021, 7, .	4.7	28
15	A Decade of Lessons Learned from the 2011 Tohokuâ€Oki Earthquake. Reviews of Geophysics, 2021, 59, e2020RG000713.	9.0	33
16	Slip rate deficit and earthquake potential on shallow megathrusts. Nature Geoscience, 2021, 14, 321-326.	5.4	46
17	Tehri Reservoir Operation Modulates Seasonal Elastic Crustal Deformation in the Himalaya. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021122.	1.4	5
18	Partial Coupling and Earthquake Potential Along the Xianshuihe Fault, China. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021406.	1.4	27

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19	Identification of Lowâ€Frequency Earthquakes on the San Andreas Fault With Deep Learning. Geophysical Research Letters, 2021, 48, e2021GL093157.	1.5	10
20	A Strainâ€Model Based InSAR Time Series Method and Its Application to The Geysers Geothermal Field, California. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021939.	1.4	11
21	Characterization of Irreversible Land Subsidence in the Yazdâ€Ardakan Plain, Iran From 2003 to 2020 InSAR Time Series. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022258.	1.4	16
22	Complex Migration of Tremor Near Cholame, CA, Resolved by Seismic Array Analysis. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022174.	1.4	1
23	A Unified Framework for Earthquake Sequences and the Growth of Geological Structure in Foldâ€Thrust Belts. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022045.	1.4	8
24	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.	1.4	38
25	Machineâ€learning characterization of tectonic, hydrological and anthropogenic sources of active ground deformation in California. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022373.	1.4	8
26	Stress perturbations from hydrological and industrial loads and seismicity in the Salt Lake City region. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022362.	1.4	1
27	Seasonal Seismicity in the Lake Biwa Region of Central Japan Moderately Modulated by Lake Water Storage Changes. Journal of Geophysical Research: Solid Earth, 2021, 126, .	1.4	3
28	Hydrospheric modulation of stress and seismicity on shallow faults in southern Alaska. Earth and Planetary Science Letters, 2020, 530, 115904.	1.8	26
29	GNSS characterization of hydrological loading in South and Southeast Asia. Geophysical Journal International, 2020, 224, 1742-1752.	1.0	11
30	Assessing seasonal and interannual water storage variations in Taiwan using geodetic and hydrological data. Earth and Planetary Science Letters, 2020, 550, 116532.	1.8	47
31	Probing Fault Frictional Properties During Afterslip Updip and Downdip of the 2017 Mw 7.3 Sarpolâ€e Zahab Earthquake With Space Geodesy. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020319.	1.4	22
32	Internal kinematics of the Slumgullion landslide (USA) from high-resolution UAVSAR InSAR data. Remote Sensing of Environment, 2020, 251, 112057.	4.6	21
33	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.	1.8	38
34	Aquifer deformation and active faulting in Salt Lake Valley, Utah, USA. Earth and Planetary Science Letters, 2020, 547, 116471.	1.8	20
35	Multifault complex rupture and afterslip associated with the 2018 Mwâ€‰6.4 Hualien earthquake in northeastern Taiwan. Geophysical Journal International, 2020, 224, 416-434.	1.0	1
36	Resolving the Kinematics and Moment Release of Early Afterslip Within the First Hours Following the 2016 M_w 7.1 Kumamoto Earthquake: Implications for the Shallow Slip Deficit and Frictional Behavior of Aseismic Creep. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018928.	1.4	16

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37	Marked spatio-temporal point patterns, periodicity analysis and earthquakes: an analytical extension including hypocenter depth. Environmental and Ecological Statistics, 2020, 27, 689-708.	1.9	1
38	Rapid Geodetic Observations of Spatiotemporally Varying Postseismic Deformation Following the Ridgecrest Earthquake Sequence: The U.S. Geological Survey Response. Seismological Research Letters, 2020, 91, 2108-2123.	0.8	12
39	Four-dimensional surface motions of the Slumgullion landslide and quantification of hydrometeorological forcing. Nature Communications, 2020, 11, 2792.	5.8	78
40	Reply to â€œA warning against over-interpretation of seasonal signals measured by the Global Navigation Satellite Systemâ€• Nature Communications, 2020, 11, 1376.	5.8	5
41	Geodetic Measurements of Slowâ€Slip Events Southeast of Parkfield, CA. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019059.	1.4	7
42	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.	1.1	60
43	New Opportunities to Study Earthquake Precursors. Seismological Research Letters, 2020, 91, 2444-2447.	0.8	27
44	Seasonal Seismicity in the Western Branch of the East African Rift System. Geophysical Research Letters, 2020, 47, e2019GL085882.	1.5	15
45	Evidence of Fault Immaturity from Shallow Slip Deficit and Lack of Postseismic Deformation of the 2017 MwÂ6.5 Jiuzhaigou Earthquake. Bulletin of the Seismological Society of America, 2020, 110, 154-165.	1.1	15
46	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.	0.8	30
47	Triggering relationships between magmatic and faulting processes in the May 2018 eruptive sequence at KÄ«lauea volcano, Hawaii. Geophysical Journal International, 2020, 222, 461-473.	1.0	9
48	Rheology of a Debris Slide From the Joint Analysis of UAVSAR and LiDAR Data. Geophysical Research Letters, 2020, 47, e2020GL087452.	1.5	9
49	Interseismic Quiescence and Triggered Slip of Active Normal Faults of KÄ«lauea Volcano's South Flank During 2001â€“2018. Journal of Geophysical Research: Solid Earth, 2019, 124, 9780-9794.	1.4	4
50	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.	1.4	47
51	Anomalous transients in GPS measurements due to induced changes in local site conditions. Journal of Earth System Science, 2019, 128, 1.	0.6	1
52	Quantitative relationship between aseismic slip propagation speed and frictional properties. Tectonophysics, 2019, 767, 128151.	0.9	6
53	Dynamically Triggered Changes of Plate Interface Coupling in Southern Cascadia. Geophysical Research Letters, 2019, 46, 12890-12899.	1.5	24
54	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.	1.4	29

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55	Early soil consolidation from magnetic extensometers and full resolution SAR interferometry over highly decorrelated reclaimed lands. Remote Sensing of Environment, 2019, 231, 111231.	4.6	17
56	Modulation of Seismic Attenuation at Parkfield, Before and After the 2004 M 6 Earthquake. Journal of Geophysical Research: Solid Earth, 2019, 124, 5836-5853.	1.4	21
57	Statistical Significance of Precursory Gravity Changes Before the 2011 M w Â9.0 Tohokuâ€Oki Earthquake. Geophysical Research Letters, 2019, 46, 7323-7332.	1.5	13
58	Changes in Groundwater Level Possibly Encourage Shallow Earthquakes in Central Australia: The 2016 Petermann Ranges Earthquake. Geophysical Research Letters, 2019, 46, 3189-3198.	1.5	27
59	Slow slip events in the roots of the San Andreas fault. Science Advances, 2019, 5, eaav3274.	4.7	46
60	A shift from drought to extreme rainfall drives a stable landslide to catastrophic failure. Scientific Reports, 2019, 9, 1569.	1.6	117
61	The 1892 Chaman, Pakistan, Earthquake. Seismological Research Letters, 2019, 90, 2293-2303.	0.8	4
62	Weeksâ€Long and Yearsâ€Long Slow Slip and Tectonic Tremor Episodes on the South Central Alaska Megathrust. Journal of Geophysical Research: Solid Earth, 2019, 124, 13392-13403.	1.4	24
63	Source characteristics of the 2017 Mw6.4 Moijabana, Botswana earthquake, a rare lower-crustal event within an ancient zone of weakness. Earth and Planetary Science Letters, 2019, 506, 348-359.	1.8	16
64	Repeating Earthquakes. Annual Review of Earth and Planetary Sciences, 2019, 47, 305-332.	4.6	130
65	Global climate change and local land subsidence exacerbate inundation risk to the San Francisco Bay Area. Science Advances, 2018, 4, eaap9234.	4.7	93
66	Spatiotemporal Patterns of Precipitationâ€Modulated Landslide Deformation From Independent Component Analysis of InSAR Time Series. Geophysical Research Letters, 2018, 45, 1878-1887.	1.5	73
67	Transpressional Rupture Cascade of the 2016 M_w 7.8 Kaikoura Earthquake, New Zealand. Journal of Geophysical Research: Solid Earth, 2018, 123, 2396-2409.	1.4	83
68	Aseismic Transform Fault Slip at the Mendocino Triple Junction From Characteristically Repeating Earthquakes. Geophysical Research Letters, 2018, 45, 699-707.	1.5	26
69	Constraints on Friction, Dilatancy, Diffusivity, and Effective Stress From Lowâ€Frequency Earthquake Rates on the Deep San Andreas Fault. Journal of Geophysical Research: Solid Earth, 2018, 123, 583-605.	1.4	12
70	Kinematics of the 2015 San Ramon, California earthquake swarm: Implications for fault zone structure and driving mechanisms. Earth and Planetary Science Letters, 2018, 489, 135-144.	1.8	14
71	Inferred rheological structure and mantle conditions from postseismic deformation following the 2010 Mw 7.2 El Mayor-Cucapah Earthquake. Geophysical Journal International, 2018, 213, 1720-1730.	1.0	7
72	Using Lowâ€Frequency Earthquake Families on the San Andreas Fault as Deep Creepmeters. Journal of Geophysical Research: Solid Earth, 2018, 123, 457-475.	1.4	22

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73	Relating the long-term and short-term vertical deformation across a transect of the forearc in the central Mexican subduction zone. , 2018, 14, 419-439.		18
74	Spatiotemporal Evolution of Postseismic Deformation Following the 2001 Mw7.8 Kokoxili, China, Earthquake from 7 Years of Insar Observations. Remote Sensing, 2018, 10, 1988.	1.8	13
75	Tracking the weight of Hurricane Harveyâ€™s stormwater using GPS data. Science Advances, 2018, 4, eaau2477.	4.7	62
76	Seasonal modulation of deep slow-slip and earthquakes on the Main Himalayan Thrust. Nature Communications, 2018, 9, 4140.	5.8	40
77	The geophysics, geology and mechanics of slow fault slip. Earth and Planetary Science Letters, 2018, 495, 112-134.	1.8	262
78	InSAR Time Series Analysis of L-Band Wide-Swath SAR Data Acquired by ALOS-2. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4492-4506.	2.7	24
79	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.	1.4	29
80	The rise, collapse, and compaction of Mt. Mantap from the 3 September 2017 North Korean nuclear test. Science, 2018, 361, 166-170.	6.0	62
81	Structural Control on Downdip Locking Extent of the Himalayan Megathrust. Journal of Geophysical Research: Solid Earth, 2018, 123, 5265-5278.	1.4	49
82	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.	1.5	68
83	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.	0.7	80
84	Creeping faults: Good news, bad news?. Reviews of Geophysics, 2017, 55, 282-286.	9.0	26
85	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.	1.5	48
86	Temporal variation of intermediateâ€depth earthquakes around the time of the M9.0 Tohokuâ€oki earthquake. Geophysical Research Letters, 2017, 44, 3580-3590.	1.5	16
87	Seasonal water storage, stress modulation, and California seismicity. Science, 2017, 356, 1161-1164.	6.0	122
88	InSAR and GPS measurements of crustal deformation due to seasonal loading of Tehri reservoir in Garhwal Himalaya, India. Geophysical Journal International, 2017, , ggx015.	1.0	14
89	Dominant Controls of Downdip Afterslip and Viscous Relaxation on the Postseismic Displacements Following the M_w7.9 Gorkha, Nepal, Earthquake. Journal of Geophysical Research: Solid Earth, 2017, 122, 8376-8401.	1.4	83
90	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.	1.4	88

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91	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.	1.4	55
92	25 April 2015 Gorkha Earthquake in Nepal Himalaya (Part 2). Journal of Asian Earth Sciences, 2017, 141, 235.	1.0	0
93	Early aftershocks and afterslip surrounding the 2015 Mw 8.4 Illapel rupture. Earth and Planetary Science Letters, 2017, 457, 282-291.	1.8	31
94	Fault geometry inversion and slip distribution of the 2010 M_w 7.2 El Mayorâ€Cucapah earthquake from geodetic data. Journal of Geophysical Research: Solid Earth, 2017, 122, 607-621.	1.4	34
95	Fault geometry and slip distribution of the 2008M_w7.9 Wenchuan, China earthquake, inferred from GPS and InSAR measurements. Geophysical Journal International, 2017, 208, 748-766.	1.0	45
96	The ongoing destabilization of the mosul dam as observed by synthetic aperture radar interferometry. , 2017, , .		4
97	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.	1.4	103
98	Space geodetic monitoring of engineered structures: The ongoing destabilization of the Mosul dam, Iraq. Scientific Reports, 2016, 6, 37408.	1.6	83
99	Fifteen years of surface deformation in Western Taiwan: Insight from SAR interferometry. Tectonophysics, 2016, 692, 252-264.	0.9	24
100	An improved geodetic source model for the 1999M_w6.3 Chamoli earthquake, India. Geophysical Journal International, 2016, 205, 236-242.	1.0	28
101	Depth migration of seasonally induced seismicity at The Geysers geothermal field. Geophysical Research Letters, 2016, 43, 6196-6204.	1.5	27
102	Asthenosphere rheology inferred from observations of the 2012 Indian Ocean earthquake. Nature, 2016, 538, 368-372.	13.7	71
103	Contrasts in compliant fault zone properties inferred from geodetic measurements in the San Francisco Bay area. Journal of Geophysical Research: Solid Earth, 2016, 121, 6916-6931.	1.4	10
104	Tectonic tremor on Vancouver Island, Cascadia, modulated by the body and surface waves of the M_w 8.6 and 8.2, 2012 East Indian Ocean earthquakes. Geophysical Research Letters, 2016, 43, 9009-9017.	1.5	11
105	Surface slip during large Owens Valley earthquakes. Geochemistry, Geophysics, Geosystems, 2016, 17, 2239-2269.	1.0	79
106	Potential and limits of InSAR to characterize interseismic deformation independently of GPS data: Application to the southern San Andreas Fault system. Geochemistry, Geophysics, Geosystems, 2016, 17, 1214-1229.	1.0	17
107	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.	1.5	62
108	Effective stress, friction, and deep crustal faulting. Journal of Geophysical Research: Solid Earth, 2016, 121, 1040-1059.	1.4	33

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109	Structural health monitoring of engineered structures using a space-borne synthetic aperture radar multi-temporal approach: from cultural heritage sites to war zones. Proceedings of SPIE, 2016, , .	0.8	3
110	Threeâ€dimensional surface deformation derived from airborne interferometric UAVSAR: Application to the Slumgullion Landslide. Journal of Geophysical Research: Solid Earth, 2016, 121, 3951-3977.	1.4	66
111	Use of a GPS-Derived Troposphere Model to Improve InSAR Deformation Estimates in the San Gabriel Valley, California. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5365-5374.	2.7	16
112	Delayed dynamic triggering: Local seismicity leading up to three remote Mâ€‰â€¥â€‰6 aftershocks of the 11 April 2012 M8.6 Indian Ocean earthquake. Journal of Geophysical Research: Solid Earth, 2016, 121, 134-151.	1.4	28
113	Periodic slow slip triggers megathrust zone earthquakes in northeastern Japan. Science, 2016, 351, 488-492.	6.0	122
114	Lithospheric rheology constrained from twenty-five years of postseismic deformation following the 1989 M 6.9 Loma Prieta earthquake. Earth and Planetary Science Letters, 2016, 435, 147-158.	1.8	8
115	Tohoku rupture reloaded?. Nature Geoscience, 2016, 9, 183-183.	5.4	14
116	Multifrequential periodogram analysis of earthquake occurrence: An alternative approach to the Schuster spectrum, with two examples in central California. Journal of Geophysical Research: Solid Earth, 2015, 120, 8494-8515.	1.4	18
117	Recovery of secular deformation field of Mojave Shear Zone in Southern California from historical terrestrial and GPS measurements. Journal of Geophysical Research: Solid Earth, 2015, 120, 3965-3990.	1.4	24
118	Postseismic relaxation in Kashmir and lateral variations in crustal architecture and materials. Geophysical Research Letters, 2015, 42, 4375-4383.	1.5	6
119	Interseismic coupling and refined earthquake potential on the Haywardâ€Calaveras fault zone. Journal of Geophysical Research: Solid Earth, 2015, 120, 8570-8590.	1.4	55
120	Rare dynamic triggering of remote Mâ€‰â€¥â€‰5.5 earthquakes from global catalog analysis. Journal of Geophysical Research: Solid Earth, 2015, 120, 1748-1761.	1.4	19
121	Kinematics of the slumgullion landslide from UAVSAR derived interferograms. , 2015, , .		5
122	Slow and Go: Pulsing slip rates on the creeping section of the San Andreas Fault. Journal of Geophysical Research: Solid Earth, 2015, 120, 5940-5951.	1.4	19
123	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.	1.5	32
124	Diary of a wimpy fault. Nature Geoscience, 2015, 8, 331-332.	5.4	1
125	Viscoelastic relaxation in a heterogeneous Earth following the 2004 Sumatraâ€“Andaman earthquake. Earth and Planetary Science Letters, 2015, 431, 308-317.	1.8	21
126	Weak subduction makes great quakes. Science, 2015, 349, 1162-1163.	6.0	1

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127	Dual megathrust slip behaviors of the 2014 Iquique earthquake sequence. Earth and Planetary Science Letters, 2015, 411, 177-187.	1.8	85
128	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.	1.4	171
129	Contributions of poroelastic rebound and a weak volcanic arc to the postseismic deformation of the 2011 Tohoku earthquake. Earth, Planets and Space, 2014, 66, .	0.9	63
130	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.	1.5	86
131	The Profound Reach of the 11 April 2012 M 8.6 Indian Ocean Earthquake: Short-Term Global Triggering Followed by a Longer-Term Global Shadow. Bulletin of the Seismological Society of America, 2014, 104, 972-984.	1.1	18
132	Probing the lithospheric rheology across the eastern margin of the Tibetan Plateau. Earth and Planetary Science Letters, 2014, 396, 88-96.	1.8	105
133	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.	1.5	48
134	Uplift and seismicity driven by groundwater depletion in central California. Nature, 2014, 509, 483-486.	13.7	194
135	Seafloor Geodesy. Annual Review of Earth and Planetary Sciences, 2014, 42, 509-534.	4.6	113
136	Seismic versus aseismic slip: Probing mechanical properties of the northeast Japan subduction zone. Earth and Planetary Science Letters, 2014, 406, 7-13.	1.8	22
137	Warning signs of the Iquique earthquake. Nature, 2014, 512, 258-259.	13.7	18
138	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.	1.8	43
139	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.	2.3	48
140	Possible control of subduction zone slow-earthquake periodicity by silica enrichment. Nature, 2014, 510, 389-392.	13.7	151
141	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.	1.0	35
142	Variability of fault slip behavior along the San Andreas Fault in the San Juan Bautista Region. Journal of Geophysical Research: Solid Earth, 2014, 119, 8827-8844.	1.4	26
143	Coseismic Slip Distribution of the 24 March 2011 Tarlay (Myanmar) Mw 6.8 Earthquake from ALOS PALSAR Interferometry. Bulletin of the Seismological Society of America, 2013, 103, 2928-2936.	1.1	5
144	Aseismic deformation across the Hilina fault system, Hawaii, revealed by wavelet analysis of InSAR and GPS time series. Earth and Planetary Science Letters, 2013, 376, 12-19.	1.8	26

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145	Chronology of tectonic, geomorphic, and volcanic interactions and the tempo of fault slip near Little Lake, California. Bulletin of the Geological Society of America, 2013, 125, 1187-1202.	1.6	17
146	Postseismic relaxation due to Bhuj earthquake on January 26, 2001: possible mechanisms and processes. Natural Hazards, 2013, 65, 1119-1134.	1.6	9
147	Implications of recent asperity failures and aseismic creep for time-dependent earthquake hazard on the Hayward fault. Earth and Planetary Science Letters, 2013, 371-372, 59-66.	1.8	19
148	Do earthquakes talk to each other? Triggering and interaction of repeating sequences at Parkfield. Journal of Geophysical Research: Solid Earth, 2013, 118, 165-182.	1.4	50
149	GPS and Remote Sensing Study of Slope Movement in the Berkeley Hills, Ca.. , 2013, , .		0
150	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.	1.0	97
151	Space geodesy: A revolution in crustal deformation measurements of tectonic processes. , 2013, , .		20
152	Testing the accelerating moment release (AMR) hypothesis in areas of high stress. Geophysical Journal International, 2013, 195, 785-798.	1.0	10
153	A threeâ€step maximum a posteriori probability method for InSAR data inversion of coseismic rupture with application to the 14 April 2010 M_w 6.9 Yushu, China, earthquake. Journal of Geophysical Research: Solid Earth, 2013, 118, 4599-4627.	1.4	14
154	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.	1.0	34
155	Inferring fault rheology from lowâ€frequency earthquakes on the San Andreas. Journal of Geophysical Research: Solid Earth, 2013, 118, 5976-5990.	1.4	39
156	Uplift and Fault Slip Rates in the Southern San Francisco Bay Area Constrained by Fission-Tracks, Geomorphology, and Geodesy. AGU Reference Shelf, 2013, , 503-508.	0.6	0
157	Incipient faulting near Lake Pillsbury, California, and the role of accessory faults in plate boundary evolution. Geology, 2013, 41, 1119-1122.	2.0	13
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