

Benjamin A Brooks

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,272
citations

471509

17
h-index

477307

29
g-index

33
all docs

33
docs citations

33
times ranked

1495
citing authors

#	ARTICLE	IF	CITATIONS
1	Coseismic and postseismic slip associated with the 2010 Maule Earthquake, Chile: Characterizing the Arauco Peninsula barrier effect. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 3142-3159.	3.4	134
2	Crustal motion in the Southern Andes (26°-36°S): Do the Andes behave like a microplate?. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	2.5	131
3	The 2010 Maule, Chile earthquake: Downdip rupture limit revealed by space geodesy. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	117
4	On the strength of interplate coupling and the rate of back arc convergence in the central Andes: An analysis of the interseismic velocity field. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	2.5	95
5	Crowdsourced earthquake early warning. <i>Science Advances</i> , 2015, 1, e1500036.	10.3	92
6	An integrated crustal velocity field for the central Andes. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	2.5	81
7	Orogenic-wedge deformation and potential for great earthquakes in the central Andean backarc. <i>Nature Geoscience</i> , 2011, 4, 380-383.	12.9	77
8	Displacement fields from point cloud data: Application of particle imaging velocimetry to landslide geodesy. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	57
9	Magmatically Triggered Slow Slip at Kilauea Volcano, Hawaii. <i>Science</i> , 2008, 321, 1177-1177.	12.6	55
10	Buried shallow fault slip from the South Napa earthquake revealed by near-field geodesy. <i>Science Advances</i> , 2017, 3, e1700525.	10.3	51
11	Illuminating subduction zone rheological properties in the wake of a giant earthquake. <i>Science Advances</i> , 2019, 5, eaax6720.	10.3	47
12	Estimates of stress drop and crustal tectonic stress from the 27 February 2010 Maule, Chile, earthquake: Implications for fault strength. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	46
13	Landslide subsurface slip geometry inferred from 3D surface displacement fields. <i>Geophysical Research Letters</i> , 2015, 42, 1411-1417.	4.0	42
14	Microearthquake streaks and seismicity triggered by slow earthquakes on the mobile south flank of Kilauea Volcano, Hawai'i. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	32
15	Scientific Value of Real-Time Global Positioning System Data. <i>Eos</i> , 2011, 92, 125-126.	0.1	24
16	Isolating active orogenic wedge deformation in the southern Subandes of Bolivia. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 6192-6218.	3.4	24
17	Kinematics of Fault Slip Associated with the 6 July 2019 Ridgecrest, California, Earthquake Sequence. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 1688-1700.	2.3	23
18	Mechanics of near-field deformation during co- and post-seismic shallow fault slip. <i>Scientific Reports</i> , 2020, 10, 5031.	3.3	17

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19	Robust Earthquake Early Warning at a Fraction of the Cost: ASTUTI Costa Rica. <i>AGU Advances</i> , 2021, 2, e2021AV000407.	5.4	17
20	Mobile Laser Scanning Applied to the Earth Sciences. <i>Eos</i> , 2013, 94, 313-315.	0.1	16
21	Spatial and temporal distribution of deformation at the front of the Andean orogenic wedge in southern Bolivia. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1909-1931.	3.4	16
22	Rapid Geodetic Observations of Spatiotemporally Varying Postseismic Deformation Following the Ridgecrest Earthquake Sequence: The U.S. Geological Survey Response. <i>Seismological Research Letters</i> , 2020, 91, 2108-2123.	1.9	12
23	Assessing Quaternary Shortening Rates at an Andean Frontal Thrust (32°30'S), Argentina. <i>Tectonics</i> , 2019, 38, 3034-3051.	2.8	8
24	Slow Slip Event at Kilauea Volcano. <i>Eos</i> , 2010, 91, 118-119.	0.1	7
25	Coseismic Slip and Early Afterslip of the M6.0 24 August 2014 South Napa, California, Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 11728-11747.	3.4	7
26	Commentary: The Role of Geodetic Algorithms for Earthquake Early Warning in Cascadia. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092324.	4.0	6
27	Postseismic Relaxation Following the 2019 Ridgecrest, California, Earthquake Sequence. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 734-749.	2.3	3
28	Seeing Is Believing. <i>Science</i> , 2012, 338, 207-208.	12.6	1
29	Automated near-field deformation detection from mobile laser scanning for the 2014 Mw 6.0 South Napa earthquake. <i>Journal of Applied Geodesy</i> , 2021, .	1.1	1