

Andrew Newman

List of Publications by Year in descending order

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54
papers

2,413
citations

201674

27
h-index

197818

49
g-index

56
all docs

56
docs citations

56
times ranked

2122
citing authors

#	ARTICLE	IF	CITATIONS
1	Quaternary slip rates on the White Mountains fault zone, eastern California: Implications for comparing geologic to geodetic slip rates across the Walker Lane. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 307-324.	3.3	4
2	Suitability of Open-Ocean Instrumentation for Use in Near-Field Tsunami Early Warning Along Seismically Active Subduction Zones. <i>Pure and Applied Geophysics</i> , 2019, 176, 3247-3262.	1.9	16
3	Thank You to Our 2018 Peer Reviewers. <i>Geophysical Research Letters</i> , 2019, 46, 12608-12636.	4.0	0
4	Deriving Rupture Scenarios From Interseismic Locking Distributions Along the Subduction Megathrust. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10376-10392.	3.4	24
5	Earthquake rupture dependence on hypocentral location along the Nicoya Peninsula subduction megathrust. <i>Earth and Planetary Science Letters</i> , 2019, 520, 10-17.	4.4	38
6	Enigmatic upper-plate sliver transport paused by megathrust earthquake and afterslip. <i>Earth and Planetary Science Letters</i> , 2019, 520, 87-93.	4.4	3
7	Limitations of the Resolvability of Finite-Fault Models Using Static Land-Based Geodesy and Open-Ocean Tsunami Waveforms. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 9033-9048.	3.4	19
8	Appreciation of 2017 GRL Peer Reviewers. <i>Geophysical Research Letters</i> , 2018, 45, 4494-4528.	4.0	0
9	Detailed spatiotemporal evolution of microseismicity and repeating earthquakes following the 2012 <i>M_w</i> 7.6 Nicoya earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 524-542.	3.4	41
10	Reconstruction of coseismic slip from the 2015 Illapel earthquake using combined geodetic and tsunami waveform data. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 2119-2130.	3.4	22
11	Large and primarily updip afterslip following the 2012 <i>M_w</i> 7.6 Nicoya, Costa Rica, earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 5712-5728.	3.4	13
12	Structural asperity focusing locking and earthquake slip along the Nicoya megathrust, Costa Rica. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 5461-5476.	3.4	23
13	Latest Pleistocene and Holocene slip rates on the Lone Mountain fault: Evidence for accelerating slip in the Silver Peak-Lone Mountain extensional complex. <i>Tectonics</i> , 2015, 34, 449-463.	2.8	11
14	A new seismically constrained subduction interface model for Central America. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5535-5548.	3.4	22
15	Multiscale postseismic behavior on a megathrust: The 2012 Nicoya earthquake, Costa Rica. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1848-1864.	2.5	52
16	Far-field triggering of foreshocks near the nucleation zone of the 5 September 2012 (MW 7.6) Nicoya Peninsula, Costa Rica earthquake. <i>Earth and Planetary Science Letters</i> , 2015, 431, 75-86.	4.4	30
17	Observations and Modeling of the August 27, 2012 Earthquake and Tsunami affecting El Salvador and Nicaragua. <i>Pure and Applied Geophysics</i> , 2014, 171, 3421-3435.	1.9	23
18	Nicoya earthquake rupture anticipated by geodetic measurement of the locked plate interface. <i>Nature Geoscience</i> , 2014, 7, 117-121.	12.9	102

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19	Tsunami Forecast by Joint Inversion of Real-Time Tsunami Waveforms and Seismic or GPS Data: Application to the Tohoku 2011 Tsunami. <i>Pure and Applied Geophysics</i> , 2014, 171, 3281-3305.	1.9	40
20	Geodetic observations and modeling of time-varying deformation at Taal Volcano, Philippines. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 271, 11-23.	2.1	21
21	Time-space modeling of the dynamics of Santorini volcano (Greece) during the 2011-2012 unrest. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 8517-8537.	3.4	16
22	The 5 September 2012 Nicoya, Costa Rica M_w 7.6 earthquake rupture process from joint inversion of high-rate GPS, strong-motion, and teleseismic P wave data and its relationship to adjacent plate boundary interface properties. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5453-5466.	3.4	83
23	Long-term versus short-term deformation of the meizoseismal area of the 2008 Achaia-Elia (MW 6.4) earthquake in NW Peloponnese, Greece: Evidence from historical triangulation and morphotectonic data. <i>Tectonophysics</i> , 2013, 592, 150-158.	2.2	11
24	Insights into distributed plate rates across the Walker Lane from GPS geodesy. <i>Geophysical Research Letters</i> , 2013, 40, 4620-4624.	4.0	27
25	Rapid earthquake rupture duration estimates from teleseismic energy rates, with application to real-time warning. <i>Geophysical Research Letters</i> , 2013, 40, 5844-5848.	4.0	10
26	Detailed Data Available for Recent Costa Rica Earthquake. <i>Eos</i> , 2013, 94, 17-18.	0.1	11
27	Recent geodetic unrest at Santorini Caldera, Greece. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	103
28	Active deformation near the Nicoya Peninsula, northwestern Costa Rica, between 1996 and 2010: Interseismic megathrust coupling. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	66
29	The 25 October 2010 Mentawai tsunami earthquake, from real-time discriminants, finite-fault rupture, and tsunami excitation. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	120
30	Global evaluation of large earthquake energy from 1997 through mid-2010. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	62
31	Along-strike variations of earthquake apparent stress at the Nicoya Peninsula, Costa Rica, subduction zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	4
32	The energetic 2010 MW 7.1 Solomon Islands tsunami earthquake. <i>Geophysical Journal International</i> , 2011, 186, 775-781.	2.4	27
33	Hidden depths. <i>Nature</i> , 2011, 474, 441-443.	27.8	25
34	Energetic rupture, coseismic and post-seismic response of the 2008 MW 6.4 Achaia-Elia Earthquake in northwestern Peloponnese, Greece: an indicator of an immature transform fault zone. <i>Geophysical Journal International</i> , 2010, 183, 103-110.	2.4	36
35	Slip distribution from the 1 April 2007 Solomon Islands earthquake: A unique image of near-trench rupture. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	46
36	Constraints on continued episodic inflation at Long Valley Caldera, based on seismic and geodetic observations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	36

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37	Interface locking along the subduction megathrust from <i>in situ</i> value mapping near Nicoya Peninsula, Costa Rica. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	62
38	Earthquake Probabilities and Energy Characteristics of Seismicity Offshore Southwest Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2008, 19, 697.	0.6	6
39	Seismogenic zone structure beneath the Nicoya Peninsula, Costa Rica, from three-dimensional local earthquake P- and S-wave tomography. <i>Geophysical Journal International</i> , 2006, 164, 109-124.	2.4	92
40	A four-dimensional viscoelastic deformation model for Long Valley Caldera, California, between 1995 and 2000. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 150, 244-269.	2.1	134
41	Dedication: Robert Decker 1927–2005. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 150, vii-viii.	2.1	1
42	The changing shapes of active volcanoes: History, evolution, and future challenges for volcano geodesy. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 150, 1-13.	2.1	43
43	Tectonic strain in plate interiors?. <i>Nature</i> , 2005, 438, E9-E10.	27.8	43
44	Dependence of Possible Characteristic Earthquakes on Spatial Sampling: Illustration for the Wasatch Seismic Zone, Utah. <i>Seismological Research Letters</i> , 2005, 76, 432-436.	1.9	10
45	Characteristic and Uncharacteristic Earthquakes as Possible Artifacts: Applications to the New Madrid and Wabash Seismic Zones. <i>Seismological Research Letters</i> , 2004, 75, 173-187.	1.9	52
46	Characteristic and Uncharacteristic Earthquakes as Possible Artifacts: Applications to the New Madrid and Wabash Seismic Zones. <i>Seismological Research Letters</i> , 2004, 75, 613-613.	1.9	4
47	Geodetic and seismic constraints on some seismogenic zone processes in Costa Rica. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	112
48	Should Memphis build for California's earthquakes?. <i>Eos</i> , 2003, 84, 177-185.	0.1	21
49	Along-strike variability in the seismogenic zone below Nicoya Peninsula, Costa Rica. <i>Geophysical Research Letters</i> , 2002, 29, 38-1-38-4.	4.0	81
50	Tsunami earthquakes: the quest for a regional signal. <i>Physics of the Earth and Planetary Interiors</i> , 2001, 124, 45-70.	1.9	51
51	Geodetic and seismic constraints on recent activity at Long Valley Caldera, California: evidence for viscoelastic rheology. <i>Journal of Volcanology and Geothermal Research</i> , 2001, 105, 183-206.	2.1	128
52	Uncertainties in Seismic Hazard Maps for the New Madrid Seismic Zone and Implications for Seismic Hazard Communication. <i>Seismological Research Letters</i> , 2001, 72, 647-663.	1.9	25
53	Slow Deformation and Lower Seismic Hazard at the New Madrid Seismic Zone. <i>Science</i> , 1999, 284, 619-621.	12.6	155
54	Teleseismic estimates of radiated seismic energy: The E/M0 discriminant for tsunami earthquakes. <i>Journal of Geophysical Research</i> , 1998, 103, 26885-26898.	3.3	206