Andrew Newman

List of Publications by Year
in descending order

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	Teleseismic estimates of radiated seismic energy: TheE/M0discriminant for tsunami earthquakes. Journal of Geophysical Research, 1998, 103, 26885-26898.	3.3	206
2	Slow Deformation and Lower Seismic Hazard at the New Madrid Seismic Zone. Science, 1999, 284, 619-621.	12.6	155
3	A four-dimensional viscoelastic deformation model for Long Valley Caldera, California, between 1995 and 2000. Journal of Volcanology and Geothermal Research, 2006, 150, 244-269.	2.1	134
4	Geodetic and seismic constraints on recent activity at Long Valley Caldera, California: evidence for viscoelastic rheology. Journal of Volcanology and Geothermal Research, 2001, 105, 183-206.	2.1	128
5	The 25 October 2010 Mentawai tsunami earthquake, from real-time discriminants, finite-fault rupture, and tsunami excitation. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	120
6	Geodetic and seismic constraints on some seismogenic zone processes in Costa Rica. Journal of Geophysical Research, 2004, 109, .	3.3	112
7	Recent geodetic unrest at Santorini Caldera, Greece. Geophysical Research Letters, 2012, 39, .	4.0	103
8	Nicoya earthquake rupture anticipated by geodetic measurement of the locked plate interface. Nature Geoscience, 2014, 7, 117-121.	12.9	102
9	Seismogenic zone structure beneath the Nicoya Peninsula, Costa Rica, from three-dimensional local earthquakeP- andS-wave tomography. Geophysical Journal International, 2006, 164, 109-124.	2.4	92
10	The 5 September 2012 Nicoya, Costa Rica M_w 7.6 earthquake rupture process from joint inversion of highâ€rate GPS, strongâ€motion, and teleseismic P wave data and its relationship to adjacent plate boundary interface properties. Journal of Geophysical Research: Solid Earth, 2013, 118, 5453-5466.	3.4	83
11	Along-strike variability in the seismogenic zone below Nicoya Peninsula, Costa Rica. Geophysical Research Letters, 2002, 29, 38-1-38-4.	4.0	81
12	Active deformation near the Nicoya Peninsula, northwestern Costa Rica, between 1996 and 2010: Interseismic megathrust coupling. Journal of Geophysical Research, 2012, 117, .	3.3	66
13	Interface locking along the subduction megathrust from bâ€value mapping near Nicoya Peninsula, Costa Rica. Geophysical Research Letters, 2008, 35, .	4.0	62
14	Global evaluation of large earthquake energy from 1997 through mid-2010. Journal of Geophysical Research, 2011, 116, .	3.3	62
15	Characteristic and Uncharacteristic Earthquakes as Possible Artifacts: Applications to the New Madrid and Wabash Seismic Zones. Seismological Research Letters, 2004, 75, 173-187.	1.9	52
16	Multiscale postseismic behavior on a megathrust: The 2012 Nicoya earthquake, Costa Rica. Geochemistry, Geophysics, Geosystems, 2015, 16, 1848-1864.	2.5	52
17	Tsunami earthquakes: the quest for a regional signal. Physics of the Earth and Planetary Interiors, 2001, 124, 45-70.	1.9	51
18	Slip distribution from the 1 April 2007 Solomon Islands earthquake: A unique image of nearâ€trench rupture. Geophysical Research Letters, 2009, 36, .	4.0	46

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19	Tectonic strain in plate interiors?. Nature, 2005, 438, E9-E10.	27.8	43
20	The changing shapes of active volcanoes: History, evolution, and future challenges for volcano geodesy. Journal of Volcanology and Geothermal Research, 2006, 150, 1-13.	2.1	43
21	Detailed spatiotemporal evolution of microseismicity and repeating earthquakes following the 2012 M_w 7.6 Nicoya earthquake. Journal of Geophysical Research: Solid Earth, 2017, 122, 524-542.	3.4	41
22	Tsunami Forecast by Joint Inversion of Real-Time Tsunami Waveforms and Seismic or GPS Data: Application to the Tohoku 2011 Tsunami. Pure and Applied Geophysics, 2014, 171, 3281-3305.	1.9	40
23	Earthquake rupture dependence on hypocentral location along the Nicoya Peninsula subduction megathrust. Earth and Planetary Science Letters, 2019, 520, 10-17.	4.4	38
24	Constraints on continued episodic inflation at Long Valley Caldera, based on seismic and geodetic observations. Journal of Geophysical Research, 2009, 114, .	3.3	36
25	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. Geophysical Journal International, 2010, 183, 103-110.	2.4	36
26	Far-field triggering of foreshocks near the nucleation zone of the 5 September 2012 (MW 7.6) Nicoya Peninsula, Costa Rica earthquake. Earth and Planetary Science Letters, 2015, 431, 75-86.	4.4	30
27	The energetic 2010 MW 7.1 Solomon Islands tsunami earthquake. Geophysical Journal International, 2011, 186, 775-781.	2.4	27
28	Insights into distributed plate rates across the Walker Lane from GPS geodesy. Geophysical Research Letters, 2013, 40, 4620-4624.	4.0	27
29	Uncertainties in Seismic Hazard Maps for the New Madrid Seismic Zone and Implications for Seismic Hazard Communication. Seismological Research Letters, 2001, 72, 647-663.	1.9	25
30	Hidden depths. Nature, 2011, 474, 441-443.	27.8	25
31	Deriving Rupture Scenarios From Interseismic Locking Distributions Along the Subduction Megathrust. Journal of Geophysical Research: Solid Earth, 2019, 124, 10376-10392.	3.4	24
32	Observations and Modeling of the August 27, 2012 Earthquake and Tsunami affecting El Salvador and Nicaragua. Pure and Applied Geophysics, 2014, 171, 3421-3435.	1.9	23
33	Structural asperity focusing locking and earthquake slip along the Nicoya megathrust, Costa Rica. Journal of Geophysical Research: Solid Earth, 2016, 121, 5461-5476.	3.4	23
34	A new seismically constrained subduction interface model for Central America. Journal of Geophysical Research: Solid Earth, 2015, 120, 5535-5548.	3.4	22
35	Reconstruction of coseismic slip from the 2015 Illapel earthquake using combined geodetic and tsunami waveform data. Journal of Geophysical Research: Solid Earth, 2017, 122, 2119-2130.	3.4	22
36	Should Memphis build for California's earthquakes?. Eos, 2003, 84, 177-185.	0.1	21

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37	Geodetic observations and modeling of time-varying deformation at Taal Volcano, Philippines. Journal of Volcanology and Geothermal Research, 2014, 271, 11-23.	2.1	21
38	Limitations of the Resolvability of Finiteâ€Fault Models Using Static Landâ€Based Geodesy and Openâ€Ocean Tsunami Waveforms. Journal of Geophysical Research: Solid Earth, 2018, 123, 9033-9048.	3.4	19
39	Timeâ€space modeling of the dynamics of Santorini volcano (Greece) during the 2011â€“2012 unrest. Journal of Geophysical Research: Solid Earth, 2014, 119, 8517-8537.	3.4	16
40	Suitability of Open-Ocean Instrumentation for Use in Near-Field Tsunami Early Warning Along Seismically Active Subduction Zones. Pure and Applied Geophysics, 2019, 176, 3247-3262.	1.9	16
41	Large and primarily updip afterslip following the 2012 M_w 7.6 Nicoya, Costa Rica, earthquake. Journal of Geophysical Research: Solid Earth, 2017, 122, 5712-5728.	3.4	13
42	Long-term versus short-term deformation of the meizoseismal area of the 2008 Achaiaâ€“Elia (MW 6.4) earthquake in NW Peloponnese, Greece: Evidence from historical triangulation and morphotectonic data. Tectonophysics, 2013, 592, 150-158.	2.2	11
43	Detailed Data Available for Recent Costa Rica Earthquake. Eos, 2013, 94, 17-18.	0.1	11
44	Latest Pleistocene and Holocene slip rates on the Lone Mountain fault: Evidence for accelerating slip in the Silver Peak-Lone Mountain extensional complex. Tectonics, 2015, 34, 449-463.	2.8	11
45	Dependence of Possible Characteristic Earthquakes on Spatial Sampling: Illustration for the Wasatch Seismic Zone, Utah. Seismological Research Letters, 2005, 76, 432-436.	1.9	10
46	Rapid earthquake rupture duration estimates from teleseismic energy rates, with application to real-time warning. Geophysical Research Letters, 2013, 40, 5844-5848.	4.0	10
47	Earthquake Probabilities and Energy Characteristics of Seismicity Offshore Southwest Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2008, 19, 697.	0.6	6
48	Characteristic and Uncharacteristic Earthquakes as Possible Artifacts: Applications to the New Madrid and Wabash Seismic Zones. Seismological Research Letters, 2004, 75, 613-613.	1.9	4
49	Along-strike variations of earthquake apparent stress at the Nicoya Peninsula, Costa Rica, subduction zone. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	4
50	Quaternary slip rates on the White Mountains fault zone, eastern California: Implications for comparing geologic to geodetic slip rates across the Walker Lane. Bulletin of the Geological Society of America, 2021, 133, 307-324.	3.3	4
51	Enigmatic upper-plate sliver transport paused by megathrust earthquake and afterslip. Earth and Planetary Science Letters, 2019, 520, 87-93.	4.4	3
52	Dedication: Robert Decker 1927â€“2005. Journal of Volcanology and Geothermal Research, 2006, 150, vii-viii.	2.1	1
53	Appreciation of 2017 GRL Peer Reviewers. Geophysical Research Letters, 2018, 45, 4494-4528.	4.0	0
54	Thank You to Our 2018 Peer Reviewers. Geophysical Research Letters, 2019, 46, 12608-12636.	4.0	0