J Ramon Arrowsmith

List of Publications by Year
in descending order

43 papers	2,700 citations	304743 22 h-index	276875 41 g-index
43 all docs	43 docs citations	43 times ranked	2278 citing authors

#	Article	IF	Citations
1	Reconstructing the Environmental Context of Human Origins in Eastern Africa Through Scientific Drilling. Annual Review of Earth and Planetary Sciences, 2022, 50, 451-476.	11.0	13
2	Statewide USGS 3DEP Lidar Topographic Differencing Applied to Indiana, USA. Remote Sensing, 2022, 14, 847.	4.0	6
3	High-Detail Fault Segmentation: Deep Insight into the Anatomy of the 1983 Borah Peak Earthquake Rupture Zone (Mw 6.9, Idaho, USA). Lithosphere, 2022, 2022, .	1.4	19
4	Fault Pattern and Seismotectonic Style of the Campania â€“ Lucania 1980 Earthquake (Mw 6.9, Southern) Tj ETQq0 0 0 rgBT /Overlock	1.8	24
5	High-resolution surface faulting from the 1983 Idaho Lost River Fault Mw 6.9 earthquake and previous events. Scientific Data, 2021, 8, 68.	5.3	23
6	Measuring change at Earthâ€™s surface: On-demand vertical and three-dimensional topographic differencing implemented in OpenTopography. , 2021, 17, 1318-1332.		8
7	Early human impacts and ecosystem reorganization in southern-central Africa. Science Advances, 2021, 7, .	10.3	38
8	Spatiotemporal Rates of Tectonic Deformation and Landscape Evolution above a Laterally Propagating Thrust Fault: Wheeler Ridge Anticline, California, USA. Lithosphere, 2021, 2021, .	1.4	4
9	Late Quaternary Tectonics along the Peri-Adriatic Sector of the Apenninic Chain (Central-Southern) Tj ETQq1 1 0.784314 rgBT /Overlock Lithosphere, 2021, 2021, .	1.4	6
10	The Pamir Frontal Thrust Fault: Holocene Fullâ€Segment Ruptures and Implications for Complex Segment Interactions in a Continental Collision Zone. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022405.	3.4	6
11	Neotectonic Activity in the Low-Strain Broken Foreland (Santa BÃ¡rbara System) of the North-Western Argentinean Andes (26Â°S). Lithosphere, 2020, 2020, .	1.4	11
12	Distribution of Aseismic Deformation Along the Central San Andreas and Calaveras Faults From Differencing Repeat Airborne Lidar. Geophysical Research Letters, 2020, 47, e2020GL090628.	4.0	14
13	Volcano morphology as an indicator of stress orientation in the Java Volcanic Arc, Indonesia. Journal of Volcanology and Geothermal Research, 2020, 400, 106912.	2.1	14
14	Zero to a trillion: Advancing Earth surface process studies with open access to high-resolution topography. Developments in Earth Surface Processes, 2020, 23, 317-338.	2.8	10
15	Airborne Lidar and Electro-Optical Imagery along Surface Ruptures of the 2019 Ridgecrest Earthquake Sequence, Southern California. Seismological Research Letters, 2020, 91, 2096-2107.	1.9	31
16	Reproducibility of San Andreas Fault Slip Rate Measurements at Wallace Creek in the Carrizo Plain, CA. Earth and Space Science, 2019, 6, 156-165.	2.6	8
17	Evidence for Multiple Groundâ€Rupturing Earthquakes in the Past 4,000Â Years Along the Pasuruan Fault, East Java, Indonesia: Documentation of Active Normal Faulting in the Javan Backarc. Tectonics, 2019, 38, 1489-1506.	2.8	7
18	The 2016 M7 Kumamoto, Japan, Earthquake Slip Field Derived From a Joint Inversion of Differential Lidar Topography, Optical Correlation, and InSAR Surface Displacements. Geophysical Research Letters, 2019, 46, 6341-6351.	4.0	30

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19	Extent of Lowâ€Angle Normal Slip in the 2010 El Mayorâ€Cucapah (Mexico) Earthquake From Differential Lidar. Journal of Geophysical Research: Solid Earth, 2019, 124, 943-956.	3.4	9
20	The Age and Origin of Small Offsets at Van Matre Ranch along the San Andreas Fault in the Carrizo Plain, California. Bulletin of the Seismological Society of America, 2018, 108, 639-653.	2.3	18
21	The <i>M</i>7 2016 Kumamoto, Japan, Earthquake: 3â€D Deformation Along the Fault and Within the Damage Zone Constrained From Differential Lidar Topography. Journal of Geophysical Research: Solid Earth, 2018, 123, 6138-6155.	3.4	75
22	Surface rupture of the 1911 Kebin (Chonâ€"Kemin) earthquake, Northern Tien Shan, Kyrgyzstan. Geological Society Special Publication, 2017, 432, 233-253.	1.3	35
23	Paleoseismic Record of Three Holocene Earthquakes Rupturing the Issykâ€Ata Fault near Bishkek, North Kyrgyzstan. Bulletin of the Seismological Society of America, 2017, 107, 2721-2737.	2.3	10
24	Characterization of slow slip rate faults in humid areas: Cimandiri fault zone, Indonesia. Journal of Geophysical Research F: Earth Surface, 2016, 121, 2287-2308.	2.8	53
25	Fault slip and earthquake recurrence along strike-slip faults â€" Contributions of high-resolution geomorphic data. Tectonophysics, 2015, 638, 43-62.	2.2	156
26	Coseismic fault zone deformation revealed with differential lidar: Examples from Japanese<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="normal">M</mml:mi></mml:mrow><mml:mrow><mml:mi>w</mml:mi></mml:mrow></mml:msub></mml:math>âˆ¼7 intraplate earthquakes. Earth and Planetary Science Letters, 2014, 405, 244-256.	4.4	83
27	Rapid mapping of ultrafine fault zone topography with structure from motion. , 2014, 10, 969-986.		224
28	Uniform California Earthquake Rupture Forecast, Version 3 (UCERF3)--The Time-Independent Model. Bulletin of the Seismological Society of America, 2014, 104, 1122-1180.	2.3	424
29	Optimization of legacy lidar data sets for measuring nearâ€field earthquake displacements. Geophysical Research Letters, 2014, 41, 3494-3501.	4.0	47
30	Differentiating simple and composite tectonic landscapes using numerical fault slip modeling with an example from the south central Alborz Mountains, Iran. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1792-1805.	2.8	7
31	Near-Field Deformation from the El Mayorâ€"Cucapah Earthquake Revealed by Differential LIDAR. Science, 2012, 335, 702-705.	12.6	206
32	High-Resolution Topography-Derived Offsets along the 1857 Fort Tejon Earthquake Rupture Trace, San Andreas Fault. Bulletin of the Seismological Society of America, 2012, 102, 1135-1154.	2.3	98
33	Threeâ€dimensional surface displacements and rotations from differencing preâ€and postâ€earthquake LiDAR point clouds. Geophysical Research Letters, 2012, 39, .	4.0	73
34	Orogenic-wedge deformation and potential for great earthquakes in the central Andean backarc. Nature Geoscience, 2011, 4, 380-383.	12.9	77
35	Century-long average time intervals between earthquake ruptures of the San Andreas fault in the Carrizo Plain, California. Geology, 2010, 38, 787-790.	4.4	56
36	Climate-Modulated Channel Incision and Rupture History of the San Andreas Fault in the Carrizo Plain. Science, 2010, 327, 1117-1119.	12.6	53

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37	Slip in the 1857 and Earlier Large Earthquakes Along the Carrizo Plain, San Andreas Fault. Science, 2010, 327, 1119-1122.	12.6	223
38	Tectonic geomorphology of the San Andreas Fault zone from high resolution topography: An example from the Cholame segment. Geomorphology, 2009, 113, 70-81.	2.6	159
39	Revised dates of large earthquakes along the Carrizo section of the San Andreas Fault, California, since A.D. 1310 Â± 30. Journal of Geophysical Research, 2009, 114, .	3.3	18
40	Illuminating Northern California's Active Faults. Eos, 2009, 90, 55-55.	0.1	37
41	Differential structural and geomorphic mountain-front evolution in an active continental collision zone: The northwest Pamir, southern Kyrgyzstan. Bulletin of the Geological Society of America, 2003, 115, 166-181.	3.3	57
42	Late Cenozoic tectonic development of the intramontane Alai Valley, (Pamir-Tien Shan region, central) Tj ETQq0 0 0 rgBT /Overlock 10 T 21, 3-1-3-19.	2.8	142
43	Seismotectonic range-front segmentation and mountain-belt growth in the Pamir-Alai region, Kyrgyzstan (India-Eurasia collision zone). Bulletin of the Geological Society of America, 1999, 111, 1665.	3.3	88