

Richard J Walters

List of Publications by Year in descending order

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papers

2,078
citations

304368

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525886

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docs citations

29
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2108
citing authors

#	ARTICLE	IF	CITATIONS
1	Interseismic Strain Accumulation Across the Main Recent Fault, SW Iran, From Sentinel-1 InSAR Observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	8
2	ALADDIn: Autoencoder-LSTM-Based Anomaly Detector of Deformation in InSAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	2.7	5
3	High-Resolution Surface Velocities and Strain for Anatolia From Sentinel-1 InSAR and GNSS Data. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087376.	1.5	108
4	LiCSAR: An Automatic InSAR Tool for Measuring and Monitoring Tectonic and Volcanic Activity. <i>Remote Sensing</i> , 2020, 12, 2430.	1.8	127
5	Partitioned Off-Fault Deformation in the 2016 Norcia Earthquake Captured by Differential Terrestrial Laser Scanning. <i>Geophysical Research Letters</i> , 2019, 46, 3199-3205.	1.5	13
6	Constant strain accumulation rate between major earthquakes on the North Anatolian Fault. <i>Nature Communications</i> , 2018, 9, 1392.	5.8	75
7	A Bayesian Method for Incorporating Self-Similarity Into Earthquake Slip Inversions. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 6052-6071.	1.4	46
8	Dual control of fault intersections on stop-start rupture in the 2016 Central Italy seismic sequence. <i>Earth and Planetary Science Letters</i> , 2018, 500, 1-14.	1.8	100
9	Constraints from GPS measurements on the dynamics of the zone of convergence between Arabia and Eurasia. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 1470-1495.	1.4	12
10	The 2008 and 2012 Moosiyani Earthquake Sequences: Rare Insights into the Role of Strike Slip and Thrust Faulting within the Simply Folded Belt (Iran). <i>Bulletin of the Seismological Society of America</i> , 2017, ., .	1.1	0
11	Partitioning of oblique convergence coupled to the fault locking behavior of fold-and-thrust belts: Evidence from the Qilian Shan, northeastern Tibetan Plateau. <i>Tectonics</i> , 2017, 36, 1679-1698.	1.3	89
12	The role of space-based observation in understanding and responding to active tectonics and earthquakes. <i>Nature Communications</i> , 2016, 7, 13844.	5.8	179
13	Interseismic strain accumulation across the central North Anatolian Fault from iteratively unwrapped InSAR measurements. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 9000-9019.	1.4	86
14	Geodetic observations of postseismic creep in the decade after the 1999 Izmit earthquake, Turkey: Implications for a shallow slip deficit. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2980-3001.	1.4	40
15	Normal faulting in the Simav graben of western Turkey reassessed with calibrated earthquake relocations. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 4553-4574.	1.4	21
16	Spatial variations in fault friction related to lithology from rupture and afterslip of the 2014 South Napa, California, earthquake. <i>Geophysical Research Letters</i> , 2016, 43, 6808-6816.	1.5	62
17	The 2013 <i>M_w</i> 6.2 Khaki-Shonbe (Iran) Earthquake: Insights into seismic and aseismic shortening of the Zagros sedimentary cover. <i>Earth and Space Science</i> , 2015, 2, 435-471.	1.1	38
18	Statistical comparison of InSAR tropospheric correction techniques. <i>Remote Sensing of Environment</i> , 2015, 170, 40-47.	4.6	278

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19	Systematic assessment of atmospheric uncertainties for InSAR data at volcanic arcs using large-scale atmospheric models: Application to the Cascade volcanoes, United States. <i>Remote Sensing of Environment</i> , 2015, 170, 102-114.	4.6	72
20	Constraining crustal velocity fields with InSAR for Eastern Turkey: Limits to the block-like behavior of Eastern Anatolia. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 5215-5234.	1.4	67
21	Coseismic and post-seismic slip of the 2009 L'Aquila (central Italy) MW 6.3 earthquake and implications for seismic potential along the Campotosto fault from joint inversion of high-precision levelling, InSAR and GPS data. <i>Tectonophysics</i> , 2014, 622, 168-185.	0.9	49
22	The 2010-2011 South Rigan (Baluchestan) earthquake sequence and its implications for distributed deformation and earthquake hazard in southeast Iran. <i>Geophysical Journal International</i> , 2013, 193, 349-374.	1.0	57
23	Rapid strain accumulation on the Ashkabad fault (Turkmenistan) from atmosphere-corrected InSAR. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 3674-3690.	1.4	57
24	Interseismic strain accumulation across the North Anatolian Fault from Envisat InSAR measurements. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	52
25	The 2010 M_w 6.8 Yushu (Qinghai, China) earthquake: Constraints provided by InSAR and body wave seismology. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	84
26	Shallow subsurface structure of the 2009 April 6 Mw 6.3 L'Aquila earthquake surface rupture at Paganica, investigated with ground-penetrating radar. <i>Geophysical Journal International</i> , 2010, 183, 774-790.	1.0	32
27	Extension on the Tibetan plateau: recent normal faulting measured by InSAR and body wave seismology. <i>Geophysical Journal International</i> , 2010, 183, 503-535.	1.0	146
28	The 2009 L'Aquila earthquake (central Italy): A source mechanism and implications for seismic hazard. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	174