Richard T Walker

List of Publications by Year
in descending order

84 papers	4,086 citations	109264 35 h-index	118793 62 g-index
86 all docs	86 docs citations	86 times ranked	2770 citing authors

#	Article	IF	Citations
1	Interseismic deformation and strain-partitioning along the Main KÃ¶petdag Fault, Turkmenistan, with Sentinel-1 InSAR time-series. Geophysical Journal International, 2022, 230, 1612-1629.	1.0	2
2	A Major Medieval Earthquake on the Main KÃ¶petdag (Kopeh Dagh) Fault, Turkmenistan. Bulletin of the Seismological Society of America, 2022, 112, 2189-2215.	1.1	2
3	Using historical aerial photographs to measure earthquake deformation: Testing the effects of scan resolution. Remote Sensing of Environment, 2021, 252, 112118.	4.6	10
4	East Tacheng (Qoqek) Fault Zone: Late Quaternary Tectonics and Slip Rate of a Leftâ€Lateral Strikeâ€Slip Fault Zone North of the Tian Shan. Tectonics, 2021, 40, e2020TC006377.	1.3	5
5	Postâ€Earthquake Fold Growth Imaged in the Qaidam Basin, China, With Interferometric Synthetic Aperture Radar. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021241.	1.4	8
6	Constant Slip Rate on the Doruneh Strikeâ€Slip Fault, Iran, Averaged Over Late Pleistocene, Holocene, and Decadal Timescales. Tectonics, 2021, 40, e2020TC006256.	1.3	2
7	Slipâ€Rate on the Main KÃ¶petdag (Kopeh Dagh) Strikeâ€Slip Fault, Turkmenistan, and the Active Tectonics of the South Caspian. Tectonics, 2021, 40, e2021TC006846.	1.3	11
8	Significant Seismic Risk Potential From Buried Faults Beneath Almaty City, Kazakhstan, Revealed From Highâ€Resolution Satellite DEMs. Earth and Space Science, 2021, 8, e2021EA001664.	1.1	7
9	Links between foreland rheology and the growth and evolution of a young mountain belt in New Guinea. Geophysical Journal International, 2021, 228, 1684-1712.	1.0	2
10	Did earthquakes strike Machu Picchu?. Journal of Seismology, 2020, 24, 883-895.	0.6	7
11	Magnitude of the 1920 Haiyuan Earthquake Reestimated Using Seismological and Geomorphological Methods. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019244.	1.4	33
12	Geomorphology and Paleoseismology of the Weinan Fault, Shaanxi, Central China, and the Source of the 1556 Huaxian Earthquake. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB017848.	1.4	21
13	The Relationship Between Seismic and Aseismic Slip on the Philippine Fault on Leyte Island: Bayesian Modeling of Fault Slip and Geothermal Subsidence. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020052.	1.4	15
14	Tectonics and Landscape of the Central African Plateau and their Implications for a Propagating Southwestern Rift in Africa. Geochemistry, Geophysics, Geosystems, 2020, 21, e2019GC008746.	1.0	37
15	Earthquake Environmental Effects of the 1992 MS7.3 Suusamyr Earthquake, Kyrgyzstan, and Their Implications for Paleo-Earthquake Studies. Geosciences (Switzerland), 2019, 9, 271.	1.0	12
16	Rate of Slip From Multiple Quaternary Dating Methods and Paleoseismic Investigations Along the Talasâ€Fergana Fault: Tectonic Implications for the Tien Shan Range. Tectonics, 2019, 38, 2477-2505.	1.3	23
17	Rapid Late Quaternary Slip, Repeated Prehistoric Earthquake Rupture, and Widespread Landsliding Associated With the Karakudzhur Thrust, Central Kyrgyz Tien Shan. Tectonics, 2019, 38, 3740-3764.	1.3	7
18	Simultaneous orthogonal shortening in the Afghan-Tajik Depression. Geology, 2019, 47, 862-866.	2.0	8

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19	Integrating Outcomes from Probabilistic and Deterministic Seismic Hazard Analysis in the Tien Shan. Bulletin of the Seismological Society of America, 2019, 109, 688-715.	1.1	5
20	Drying in the Middle East During Northern Hemisphere Cold Events of the Early Glacial Period. Geophysical Research Letters, 2019, 46, 14003-14010.	1.5	11
21	Precise timing of abrupt increase in dust activity in the Middle East coincident with 4.2 ka social change. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 67-72.	3.3	80
22	Vertical axis rotation (or lack thereof) of the eastern Mongolian Altay Mountains: Implications for far-field transpressional mountain building. Tectonophysics, 2018, 736, 31-46.	0.9	4
23	Comparison of seismic and geodetic strain rates at the margins of the Ordos Plateau, northern China. Geophysical Journal International, 2018, 212, 988-1009.	1.0	10
24	Time-dependent postseismic slip following the 1978 M 7.3 Tabas-e-Golshan, Iran earthquake revealed by over 20 years of ESA InSAR observations. Earth and Planetary Science Letters, 2018, 483, 64-75.	1.8	30
25	A creeping intracontinental thrust fault: past and present slip-rates on the Northern edge of the Tien Shan, Kazakhstan. Geophysical Journal International, 2018, 215, 1148-1170.	1.0	7
26	The Egiin Davaa prehistoric rupture, central Mongolia: a large magnitude normal faulting earthquake on a reactivated fault with little cumulative slip located in a slowly deforming intraplate setting. Geological Society Special Publication, 2017, 432, 187-212.	0.8	16
27	Blind Thrusting, Surface Folding, and the Development of Geological Structure in the M_w 6.3 2015 Pishan (China) Earthquake. Journal of Geophysical Research: Solid Earth, 2017, 122, 9359-9382.	1.4	33
28	Active Tectonics Around Almaty and along the Zailisky Alatau Rangefront. Tectonics, 2017, 36, 2192-2226.	1.3	24
29	Multisegment rupture in the 11 July 1889 Chilik earthquake (M_w 8.0â€“8.3), Kazakh Tien Shan, interpreted from remote sensing, field survey, and paleoseismic trenching. Journal of Geophysical Research: Solid Earth, 2016, 121, 4615-4640.	1.4	38
30	A major, intraplate, normalâ€faulting earthquake: The 1739 Yinchuan event in northern China. Journal of Geophysical Research: Solid Earth, 2016, 121, 293-320.	1.4	58
31	Coseismic and postseismic displacements from the 1978 M w 7.3 Tabas-e-Golshan earthquake in eastern Iran. Earth and Planetary Science Letters, 2016, 452, 185-196.	1.8	33
32	The tectonics of the western Ordos Plateau, Ningxia, China: Slip rates on the Luoshan and East Helanshan Faults. Tectonics, 2016, 35, 2754-2777.	1.3	27
33	Great earthquakes in low strain rate continental interiors: An example from SE Kazakhstan. Journal of Geophysical Research: Solid Earth, 2015, 120, 5507-5534.	1.4	35
34	Assessing the ability of Pleiades stereo imagery to determine height changes in earthquakes: A case study for the El Mayorâ€Cucapah epicentral area. Journal of Geophysical Research: Solid Earth, 2015, 120, 8793-8808.	1.4	77
35	Interseismic deformation of the Shahroud fault system (NE Iran) from spaceâ€borne radar interferometry measurements. Geophysical Research Letters, 2015, 42, 5753-5761.	1.5	13
36	Determination of Slip-Rate by Optical Dating of Lake Bed Sediments from the Dasht-E-Bayaz Fault, Ne Iran. Geochronometria, 2015, 42, .	0.2	7

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37	The 2013 Balochistan earthquake: An extraordinary or completely ordinary event?. Geophysical Research Letters, 2015, 42, 6236-6243.	1.5	38
38	The 2010â€“2011 South Rigan (Baluchestan) earthquake sequence and its implications for distributed deformation and earthquake hazard in southeast Iran. Geophysical Journal International, 2013, 193, 349-374.	1.0	57
39	The Dzhungarian fault: Late Quaternary tectonics and slip rate of a major rightâ€lateral strikeâ€slip fault in the northern Tien Shan region. Journal of Geophysical Research: Solid Earth, 2013, 118, 5681-5698.	1.4	48
40	Links between climate, erosion, uplift, and topography during intracontinental mountain building of the Hangay Dome, Mongolia. Geochemistry, Geophysics, Geosystems, 2013, 14, 5171-5193.	1.0	17
41	Geomorphic evidence for ancestral drainage patterns in the Zagros Simple Folded Zone and growth of the Iranian plateau. Geological Magazine, 2011, 148, 901-910.	0.9	24
42	Depth segmentation of the seismogenic continental crust: The 2008 and 2009 Qaidam earthquakes. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	58
43	A framework of Holocene and Late Pleistocene environmental change in eastern Iran inferred from the dating of periods of alluvial fan abandonment, river terracing, and lake deposition. Quaternary Science Reviews, 2011, 30, 1256-1271.	1.4	58
44	Insights into the 1968-1997 Dasht-e-Bayaz and Zirkuh earthquake sequences, eastern Iran, from calibrated relocations, InSAR and high-resolution satellite imagery. Geophysical Journal International, 2011, 187, 1577-1603.	1.0	51
45	The structure and late Quaternary slip rate of the Rafsanjan strike-slip fault, SE Iran. , 2011, 7, 1159-1174.		14
46	Active faulting, earthquakes, and restraining bend development near Kerman city in southeastern Iran. Journal of Structural Geology, 2010, 32, 1046-1060.	1.0	26
47	Holocene slip-rate on the Gowk strike-slip fault and implications for the distribution of tectonic strain in eastern Iran. Geophysical Journal International, 2010, 181, 221-228.	1.0	33
48	Oroclinal bending, distributed thrust and strike-slip faulting, and the accommodation of Arabia-Eurasia convergence in NE Iran since the Oligocene. Geophysical Journal International, 2010, , no-no.	1.0	22
49	The RudbÄr Mw 7.3 earthquake of 1990 June 20; seismotectonics, coseismic and geomorphic displacements, and historic earthquakes of the western â€˜High-Alborzâ€™, Iran. Geophysical Journal International, 2010, 182, 1577-1602.	1.0	67
50	Late Pleistocene slip rate of the HÃ¶h Serh-Tsagaan Salaa fault system, Mongolian Altai and intracontinental deformation in central Asia. Geophysical Journal International, 2010, 183, 1134-1150.	1.0	16
51	Preliminary estimate of Holocene slip rate on active normal faults bounding the southern coast of the Gulf of Evia, central Greece. , 2010, 6, 583-593.		11
52	Active tectonics of the east Alborz mountains, NE Iran: Rupture of the leftâ€lateral Astaneh fault system during the great 856 A.D. Qumis earthquake. Journal of Geophysical Research, 2010, 115, .	3.3	46
53	Late Cenozoic volcanism and rates of active faulting in eastern Iran. Geophysical Journal International, 2009, 177, 783-805.	1.0	95
54	Late Quaternary rates of uplift and shortening at Baatar Hyarhan (Mongolian Altai) with optically stimulated luminescence. Geophysical Journal International, 2009, 177, 259-278.	1.0	17

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55	The late Quaternary slip-rate of the Har-Us-Nuur fault (Mongolian Altai) from cosmogenic 10Be and luminescence dating. Earth and Planetary Science Letters, 2009, 286, 467-478.	1.8	43
56	Extrusion tectonics and subduction in the eastern South Caspian region since 10 Ma: REPLY. Geology, 2009, 37, e199-e200.	2.0	7
57	Active tectonics of an apparently aseismic region: distributed active strike-slip faulting in the Hangay Mountains of central Mongolia. Geophysical Journal International, 2008, 174, 1121-1137.	1.0	30
58	Fold evolution and drainage development in the Zagros mountains of Fars province, SE Iran. Basin Research, 2008, 20, 23-48.	1.3	159
59	Extrusion tectonics and subduction in the eastern South Caspian region since 10 Ma. Geology, 2008, 36, 763.	2.0	100
60	Reinterpretation of the active faulting in central Mongolia. Geology, 2007, 35, 759.	2.0	50
61	Luminescence dating of the last earthquake of the Sabzevar thrust fault, NE Iran. Quaternary Geochronology, 2007, 2, 284-289.	0.6	18
62	Slip-rate estimate and past earthquakes on the Doruneh fault, eastern Iran. Geophysical Journal International, 2007, 168, 691-709.	1.0	70
63	Geomorphic constraints on the active tectonics of southern Taiwan. Geophysical Journal International, 2007, 170, 1357-1372.	1.0	38
64	Active faulting in the Birjand region of NE Iran. Tectonics, 2006, 25, n/a-n/a.	1.3	36
65	Displacement field and slip distribution of the 2005 Kashmir earthquake from SAR imagery. Geophysical Research Letters, 2006, 33, .	1.5	138
66	Holocene slip-rate on the Sabzevar thrust fault, NE Iran, determined using optically stimulated luminescence (OSL). Earth and Planetary Science Letters, 2006, 245, 673-684.	1.8	74
67	Contrasting styles of convergence in the Arabia-Eurasia collision: Why escape tectonics does not occur in Iran. , 2006, , .		18
68	The 1994 Sefidabeh (eastern Iran) earthquakes revisited: new evidence from satellite radar interferometry and carbonate dating about the growth of an active fold above a blind thrust fault. Geophysical Journal International, 2006, 164, 202-217.	1.0	143
69	Strike-slip faulting, rotation, and along-strike elongation in the Kopeh Dagh mountains, NE Iran. Geophysical Journal International, 2006, 166, 1161-1177.	1.0	103
70	Seismotectonic, rupture process, and earthquake-hazard aspects of the 2003 December 26 Bam, Iran, earthquake. Geophysical Journal International, 2006, 166, 1270-1292.	1.0	94
71	A remote sensing study of active folding and faulting in southern Kerman province, S.E. Iran. Journal of Structural Geology, 2006, 28, 654-668.	1.0	69
72	Geomorphology and structure of the Jid right-lateral strike-slip fault in the Mongolian Altay mountains. Journal of Structural Geology, 2006, 28, 1607-1622.	1.0	33

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73	Seismological and field observations from the 1990 November 6 Furg (Hormozgan) earthquake: a rare case of surface rupture in the Zagros mountains of Iran. Geophysical Journal International, 2005, 163, 567-579.	1.0	47
74	The 2002 June 22 Changureh (Avaj) earthquake in Qazvin province, northwest Iran: epicentral relocation, source parameters, surface deformation and geomorphology. Geophysical Journal International, 2005, 160, 707-720.	1.0	56
75	Surface ruptures and building damage of the 2003 Bam, Iran, earthquake mapped by satellite synthetic aperture radar interferometric correlation. Journal of Geophysical Research, 2005, 110, .	3.3	112
76	Aseismic deformation of a fold-and-thrust belt imaged by synthetic aperture radar interferometry near Shahdad, southeast Iran. Geology, 2004, 32, 577.	2.0	64
77	Active faulting and seismicity of the Dasht-e-Bayaz region, eastern Iran. Geophysical Journal International, 2004, 157, 265-282.	1.0	72
78	Active tectonics and late Cenozoic strain distribution in central and eastern Iran. Tectonics, 2004, 23, n/a-n/a.	1.3	229
79	Late Cenozoic reorganization of the Arabia-Eurasia collision and the comparison of short-term and long-term deformation rates. Tectonics, 2004, 23, n/a-n/a.	1.3	264
80	The 2003 Bam (Iran) earthquake: Rupture of a blind strike-slip fault. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	152
81	Reply to comment by Rob Westaway on â€œLate Cenozoic reorganization of the Arabia-Eurasia collision and the comparison of short-term and long-term deformation ratesâ€. Tectonics, 2004, 23, n/a-n/a.	1.3	3
82	Surface expression of thrust faulting in eastern Iran: source parameters and surface deformation of the 1978 Tabas and 1968 Ferdows earthquake sequences. Geophysical Journal International, 2003, 152, 749-765.	1.0	115
83	Offset and evolution of the Gowk fault, S.E. Iran: a major intra-continental strike-slip system. Journal of Structural Geology, 2002, 24, 1677-1698.	1.0	169
84	The 1998 March 14 Fandoqa earthquake (Mw6.6) in Kerman province, southeast Iran: re-rupture of the 1981 Sirch earthquake fault, triggering of slip on adjacent thrusts and the active tectonics of the Gowk fault zone. Geophysical Journal International, 2001, 146, 371-398.	1.0	144