

# Richard T Walker

## List of Publications by Year in descending order

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84  
papers

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109264

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62  
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docs citations

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times ranked

2770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Late Cenozoic reorganization of the Arabia-Eurasia collision and the comparison of short-term and long-term deformation rates. <i>Tectonics</i> , 2004, 23, n/a-n/a.	1.3	264
2	Active tectonics and late Cenozoic strain distribution in central and eastern Iran. <i>Tectonics</i> , 2004, 23, n/a-n/a.	1.3	229
3	Offset and evolution of the Gowk fault, S.E. Iran: a major intra-continental strike-slip system. <i>Journal of Structural Geology</i> , 2002, 24, 1677-1698.	1.0	169
4	Fold evolution and drainage development in the Zagros mountains of Fars province, SE Iran. <i>Basin Research</i> , 2008, 20, 23-48.	1.3	159
5	The 2003 Bam (Iran) earthquake: Rupture of a blind strike-slip fault. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	152
6	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. <i>Geophysical Journal International</i> , 2001, 146, 371-398.	1.0	144
7	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. <i>Geophysical Journal International</i> , 2006, 164, 202-217.	1.0	143
8	Displacement field and slip distribution of the 2005 Kashmir earthquake from SAR imagery. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	138
9	Surface expression of thrust faulting in eastern Iran: source parameters and surface deformation of the 1978 Tabas and 1968 Ferdows earthquake sequences. <i>Geophysical Journal International</i> , 2003, 152, 749-765.	1.0	115
10	Surface ruptures and building damage of the 2003 Bam, Iran, earthquake mapped by satellite synthetic aperture radar interferometric correlation. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	112
11	Strike-slip faulting, rotation, and along-strike elongation in the Kopeh Dagh mountains, NE Iran. <i>Geophysical Journal International</i> , 2006, 166, 1161-1177.	1.0	103
12	Extrusion tectonics and subduction in the eastern South Caspian region since 10 Ma. <i>Geology</i> , 2008, 36, 763.	2.0	100
13	Late Cenozoic volcanism and rates of active faulting in eastern Iran. <i>Geophysical Journal International</i> , 2009, 177, 783-805.	1.0	95
14	Seismotectonic, rupture process, and earthquake-hazard aspects of the 2003 December 26 Bam, Iran, earthquake. <i>Geophysical Journal International</i> , 2006, 166, 1270-1292.	1.0	94
15	Precise timing of abrupt increase in dust activity in the Middle East coincident with 4.2 ka social change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 67-72.	3.3	80
16	Assessing the ability of Pleiades stereo imagery to determine height changes in earthquakes: A case study for the El Mayor-Cucapah epicentral area. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 8793-8808.	1.4	77
17	Holocene slip-rate on the Sabzevar thrust fault, NE Iran, determined using optically stimulated luminescence (OSL). <i>Earth and Planetary Science Letters</i> , 2006, 245, 673-684.	1.8	74
18	Active faulting and seismicity of the Dasht-e-Bayaz region, eastern Iran. <i>Geophysical Journal International</i> , 2004, 157, 265-282.	1.0	72

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19	Slip-rate estimate and past earthquakes on the Doruneh fault, eastern Iran. <i>Geophysical Journal International</i> , 2007, 168, 691-709.	1.0	70
20	A remote sensing study of active folding and faulting in southern Kerman province, S.E. Iran. <i>Journal of Structural Geology</i> , 2006, 28, 654-668.	1.0	69
21	The Rudb�r Mw 7.3 earthquake of 1990 June 20; seismotectonics, coseismic and geomorphic displacements, and historic earthquakes of the western �High-Alborz�, Iran. <i>Geophysical Journal International</i> , 2010, 182, 1577-1602.	1.0	67
22	Aseismic deformation of a fold-and-thrust belt imaged by synthetic aperture radar interferometry near Shahdad, southeast Iran. <i>Geology</i> , 2004, 32, 577.	2.0	64
23	Depth segmentation of the seismogenic continental crust: The 2008 and 2009 Qaidam earthquakes. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	58
24	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. <i>Quaternary Science Reviews</i> , 2011, 30, 1256-1271.	1.4	58
25	A major, intraplate, normal�faulting earthquake: The 1739 Yinchuan event in northern China. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 293-320.	1.4	58
26	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
27	The 2002 June 22 Changureh (Avaj) earthquake in Qazvin province, northwest Iran: epicentral relocation, source parameters, surface deformation and geomorphology. <i>Geophysical Journal International</i> , 2005, 160, 707-720.	1.0	56
28	Insights into the 1968-1997 Dasht-e-Bayaz and Zirkuh earthquake sequences, eastern Iran, from calibrated relocations, InSAR and high-resolution satellite imagery. <i>Geophysical Journal International</i> , 2011, 187, 1577-1603.	1.0	51
29	Reinterpretation of the active faulting in central Mongolia. <i>Geology</i> , 2007, 35, 759.	2.0	50
30	The Dzhungarian fault: Late Quaternary tectonics and slip rate of a major right�lateral strike�slip fault in the northern Tien Shan region. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5681-5698.	1.4	48
31	Seismological and field observations from the 1990 November 6 Furg (Hormozgan) earthquake: a rare case of surface rupture in the Zagros mountains of Iran. <i>Geophysical Journal International</i> , 2005, 163, 567-579.	1.0	47
32	Active tectonics of the east Alborz mountains, NE Iran: Rupture of the left�lateral Astaneh fault system during the great 856 A.D. Qumis earthquake. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	46
33	The late Quaternary slip-rate of the Har-Us-Nuur fault (Mongolian Altai) from cosmogenic <sup>10</sup> Be and luminescence dating. <i>Earth and Planetary Science Letters</i> , 2009, 286, 467-478.	1.8	43
34	Geomorphic constraints on the active tectonics of southern Taiwan. <i>Geophysical Journal International</i> , 2007, 170, 1357-1372.	1.0	38
35	The 2013 Balochistan earthquake: An extraordinary or completely ordinary event?. <i>Geophysical Research Letters</i> , 2015, 42, 6236-6243.	1.5	38
36	Multisegment rupture in the 11 July 1889 Chilik earthquake ( <i>M</i> <sub>w</sub> 8.0�8.3), Kazakh Tien Shan, interpreted from remote sensing, field survey, and paleoseismic trenching. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 4615-4640.	1.4	38

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37	Tectonics and Landscape of the Central African Plateau and their Implications for a Propagating Southwestern Rift in Africa. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008746.	1.0	37
38	Active faulting in the Birjand region of NE Iran. <i>Tectonics</i> , 2006, 25, n/a-n/a.	1.3	36
39	Great earthquakes in low strain rate continental interiors: An example from SE Kazakhstan. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5507-5534.	1.4	35
40	Geomorphology and structure of the Jid right-lateral strike-slip fault in the Mongolian Altay mountains. <i>Journal of Structural Geology</i> , 2006, 28, 1607-1622.	1.0	33
41	Holocene slip-rate on the Gowk strike-slip fault and implications for the distribution of tectonic strain in eastern Iran. <i>Geophysical Journal International</i> , 2010, 181, 221-228.	1.0	33
42	Coseismic and postseismic displacements from the 1978 M w 7.3 Tabas-e-Golshan earthquake in eastern Iran. <i>Earth and Planetary Science Letters</i> , 2016, 452, 185-196.	1.8	33
43	Blind Thrusting, Surface Folding, and the Development of Geological Structure in the <i>M</i><sub><i>w</i></sub> 6.3 2015 Pishan (China) Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9359-9382.	1.4	33
44	Magnitude of the 1920 Haiyuan Earthquake Reestimated Using Seismological and Geomorphological Methods. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019244.	1.4	33
45	Active tectonics of an apparently aseismic region: distributed active strike-slip faulting in the Hangay Mountains of central Mongolia. <i>Geophysical Journal International</i> , 2008, 174, 1121-1137.	1.0	30
46	Time-dependent postseismic slip following the 1978 M 7.3 Tabas-e-Golshan, Iran earthquake revealed by over 20 years of ESA InSAR observations. <i>Earth and Planetary Science Letters</i> , 2018, 483, 64-75.	1.8	30
47	The tectonics of the western Ordos Plateau, Ningxia, China: Slip rates on the Luoshan and East Helanshan Faults. <i>Tectonics</i> , 2016, 35, 2754-2777.	1.3	27
48	Active faulting, earthquakes, and restraining bend development near Kerman city in southeastern Iran. <i>Journal of Structural Geology</i> , 2010, 32, 1046-1060.	1.0	26
49	Geomorphic evidence for ancestral drainage patterns in the Zagros Simple Folded Zone and growth of the Iranian plateau. <i>Geological Magazine</i> , 2011, 148, 901-910.	0.9	24
50	Active Tectonics Around Almaty and along the Zailisky Alatau Range front. <i>Tectonics</i> , 2017, 36, 2192-2226.	1.3	24
51	Rate of Slip From Multiple Quaternary Dating Methods and Paleoseismic Investigations Along the Talas-Fergana Fault: Tectonic Implications for the Tien Shan Range. <i>Tectonics</i> , 2019, 38, 2477-2505.	1.3	23
52	Oroclinal bending, distributed thrust and strike-slip faulting, and the accommodation of Arabia-Eurasia convergence in NE Iran since the Oligocene. <i>Geophysical Journal International</i> , 2010, , no-no.	1.0	22
53	Geomorphology and Paleoseismology of the Weinan Fault, Shaanxi, Central China, and the Source of the 1556 Huaxian Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB017848.	1.4	21
54	Contrasting styles of convergence in the Arabia-Eurasia collision: Why escape tectonics does not occur in Iran. , 2006, , .		18

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55	Luminescence dating of the last earthquake of the Sabzevar thrust fault, NE Iran. <i>Quaternary Geochronology</i> , 2007, 2, 284-289.	0.6	18
56	Late Quaternary rates of uplift and shortening at Baatar Hyarhan (Mongolian Altai) with optically stimulated luminescence. <i>Geophysical Journal International</i> , 2009, 177, 259-278.	1.0	17
57	Links between climate, erosion, uplift, and topography during intracontinental mountain building of the Hangay Dome, Mongolia. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 5171-5193.	1.0	17
58	Late Pleistocene slip rate of the HÃ¶h Serh-Tsagaan Salaa fault system, Mongolian Altai and intracontinental deformation in central Asia. <i>Geophysical Journal International</i> , 2010, 183, 1134-1150.	1.0	16
59	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. <i>Geological Society Special Publication</i> , 2017, 432, 187-212.	0.8	16
60	The Relationship Between Seismic and Aseismic Slip on the Philippine Fault on Leyte Island: Bayesian Modeling of Fault Slip and Geothermal Subsidence. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020052.	1.4	15
61	The structure and late Quaternary slip rate of the Rafsanjan strike-slip fault, SE Iran. , 2011, 7, 1159-1174.		14
62	Interseismic deformation of the Shahroud fault system (NE Iran) from spaceborne radar interferometry measurements. <i>Geophysical Research Letters</i> , 2015, 42, 5753-5761.	1.5	13
63	Earthquake Environmental Effects of the 1992 MS7.3 Suusamyrdarya Earthquake, Kyrgyzstan, and Their Implications for Paleo-Earthquake Studies. <i>Geosciences (Switzerland)</i> , 2019, 9, 271.	1.0	12
64	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
65	Drying in the Middle East During Northern Hemisphere Cold Events of the Early Glacial Period. <i>Geophysical Research Letters</i> , 2019, 46, 14003-14010.	1.5	11
66	Slip Rate on the Main KÃ¶pÃ¶tÃ¶g (Kopeh Dagh) Strike-Slip Fault, Turkmenistan, and the Active Tectonics of the South Caspian. <i>Tectonics</i> , 2021, 40, e2021TC006846.	1.3	11
67	Comparison of seismic and geodetic strain rates at the margins of the Ordos Plateau, northern China. <i>Geophysical Journal International</i> , 2018, 212, 988-1009.	1.0	10
68	Using historical aerial photographs to measure earthquake deformation: Testing the effects of scan resolution. <i>Remote Sensing of Environment</i> , 2021, 252, 112118.	4.6	10
69	Simultaneous orthogonal shortening in the Afghan-Tajik Depression. <i>Geology</i> , 2019, 47, 862-866.	2.0	8
70	Post-Earthquake Fold Growth Imaged in the Qaidam Basin, China, With Interferometric Synthetic Aperture Radar. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021241.	1.4	8
71	Extrusion tectonics and subduction in the eastern South Caspian region since 10 Ma: REPLY. <i>Geology</i> , 2009, 37, e199-e200.	2.0	7
72	Determination of Slip-Rate by Optical Dating of Lake Bed Sediments from the Dasht-E-Bayaz Fault, Ne Iran. <i>Geochronometria</i> , 2015, 42, .	0.2	7

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73	A creeping intracontinental thrust fault: past and present slip-rates on the Northern edge of the Tien Shan, Kazakhstan. <i>Geophysical Journal International</i> , 2018, 215, 1148-1170.	1.0	7
74	Rapid Late Quaternary Slip, Repeated Prehistoric Earthquake Rupture, and Widespread Landsliding Associated With the Karakudzhur Thrust, Central Kyrgyz Tien Shan. <i>Tectonics</i> , 2019, 38, 3740-3764.	1.3	7
75	Did earthquakes strike Machu Picchu?. <i>Journal of Seismology</i> , 2020, 24, 883-895.	0.6	7
76	Significant Seismic Risk Potential From Buried Faults Beneath Almaty City, Kazakhstan, Revealed From High-Resolution Satellite DEMs. <i>Earth and Space Science</i> , 2021, 8, e2021EA001664.	1.1	7
77	Integrating Outcomes from Probabilistic and Deterministic Seismic Hazard Analysis in the Tien Shan. <i>Bulletin of the Seismological Society of America</i> , 2019, 109, 688-715.	1.1	5
78	East Tacheng (Qoqek) Fault Zone: Late Quaternary Tectonics and Slip Rate of a Left-Lateral Strike-Slip Fault Zone North of the Tian Shan. <i>Tectonics</i> , 2021, 40, e2020TC006377.	1.3	5
79	Vertical axis rotation (or lack thereof) of the eastern Mongolian Altay Mountains: Implications for far-field transpressional mountain building. <i>Tectonophysics</i> , 2018, 736, 31-46.	0.9	4
80	Reply to comment by Rob Westaway on "Late Cenozoic reorganization of the Arabia-Eurasia collision and the comparison of short-term and long-term deformation rates". <i>Tectonics</i> , 2004, 23, n/a-n/a.	1.3	3
81	Constant Slip Rate on the Doruneh Strike-Slip Fault, Iran, Averaged Over Late Pleistocene, Holocene, and Decadal Timescales. <i>Tectonics</i> , 2021, 40, e2020TC006256.	1.3	2
82	Links between foreland rheology and the growth and evolution of a young mountain belt in New Guinea. <i>Geophysical Journal International</i> , 2021, 228, 1684-1712.	1.0	2
83	Interseismic deformation and strain-partitioning along the Main Kopetdag Fault, Turkmenistan, with Sentinel-1 InSAR time-series. <i>Geophysical Journal International</i> , 2022, 230, 1612-1629.	1.0	2
84	A Major Medieval Earthquake on the Main Kopetdag (Kopeh Dagh) Fault, Turkmenistan. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 2189-2215.	1.1	2