Steven G Wesnousky

List of Publications by Year
in descending order

34	3,103	304368	433756
papers	citations	22 h-index	31 g-index

34	34	34	2243
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Predicting the endpoints of earthquake ruptures. Nature, 2006, 444, 358-360.	13.7	498
2	Seismological and structural evolution of strike-slip faults. Nature, 1988, 335, 340-343.	13.7	429
3	Uplift and convergence along the Himalayan Frontal Thrust of India. Tectonics, 1999, 18, 967-976.	1.3	276
4	Fault trace complexity, cumulative slip, and the shape of the magnitude-frequency distribution for strike-slip faults: a global survey. Geophysical Journal International, 1996, 124, 833-868.	1.0	260
5	Paleoseismic evidence of great surface rupture earthquakes along the Indian Himalaya. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	245
6	Earthquake Recurrence and Rupture Dynamics of Himalayan Frontal Thrust, India. Science, 2001, 294, 2328-2331.	6.0	188
7	Shoreline processes and the age of the Lake Lahontan highstand in the Jessup embayment, Nevada. Bulletin of the Geological Society of America, 1998, 110, 1318-1332.	1.6	165
8	Paleoseismological evidence of surface faulting along the northeastern Himalayan front, India: Timing, size, and spatial extent of great earthquakes. Journal of Geophysical Research, 2010, 115, .	3.3	165
9	The San Andreas and Walker Lane fault systems, western North America: transpression, transtension, cumulative slip and the structural evolution of a major transform plate boundary. Journal of Structural Geology, 2005, 27, 1505-1512.	1.0	136
10	Active faulting in the Walker Lane. Tectonics, 2005, 24, n/a-n/a.	1.3	130
11	The Lake Lahontan highstand: age, surficial characteristics, soil development, and regional shoreline correlation. Geomorphology, 1999, 30, 357-392.	1.1	60
12	Geological observations on large earthquakes along the Himalayan frontal fault near Kathmandu, Nepal. Earth and Planetary Science Letters, 2017, 457, 366-375.	1.8	57
13	Oblique slip, slip partitioning, spatial and temporal changes in the regional stress field, and the relative strength of active faults in the Basin and Range, western United States. Geology, 1994, 22, 1031.	2.0	52
14	Neotectonics, geodesy, and seismic hazard in the Northern Walker Lane of Western North America: Thirty kilometers of crustal shear and no strike-slip?. Earth and Planetary Science Letters, 2012, 329-330, 133-140.	1.8	48
15	Seismic constraints on the architecture of the Newportâ€Inglewood/Rose Canyon fault: Implications for the length and magnitude of future earthquake ruptures. Journal of Geophysical Research: Solid Earth, 2017, 122, 2085-2105.	1.4	44
16	Field Reconnaissance after the 25 April 2015 MÂ7.8 Gorkha Earthquake. Seismological Research Letters, 2015, 86, 1506-1513.	0.8	43
17	Application of UAV Photography to Refining the Slip Rate on the Pyramid Lake Fault Zone, Nevada. Bulletin of the Seismological Society of America, 2016, 106, 785-798.	1.1	36
18	Faultâ€Scaling Relationships Depend on the Average Faultâ€Slip Rate. Bulletin of the Seismological Society of America, 2017, 107, 2561-2577.	1.1	29

#	Article	IF	Citations
19	New Observations Disagree With Previous Interpretations of Surface Rupture Along the Himalayan Frontal Thrust During the Great 1934 Biharâ€Nepal Earthquake. Geophysical Research Letters, 2018, 45, 2652-2658.	1.5	24
20	Late Pleistocene fault slip rate, earthquake recurrence, and recency of slip along the Pyramid Lake fault zone, northern Walker Lane, United States. Journal of Geophysical Research, 2004, 109, .	3.3	23
21	Toward quantifying geomorphic rates of crustal displacement, landscape development, and the age of glaciation in the Venezuelan Andes. Geomorphology, 2012, 141-142, 99-113.	1.1	23
22	Large paleoearthquake timing and displacement near Damak in eastern Nepal on the Himalayan Frontal Thrust. Geophysical Research Letters, 2017, 44, 8219-8226.	1.5	23
23	On the interaction of the North Andes plate with the Caribbean and South American plates in northwestern South America from GPS geodesy and seismic data. Geophysical Journal International, 2018, 214, 1986-2001.	1.0	22
24	Great Pending Himalaya Earthquakes. Seismological Research Letters, 2020, 91, 3334-3342.	0.8	21
25	Late Quaternary slip rates for faults of the central Walker Lane (Nevada, USA): Spatiotemporal strain release in a strike-slip fault system. , 2019, 15, 1460-1478.		20
26	Strike-slip faulting along the Wassuk Range of the northern Walker Lane, Nevada. , 2014, 10, 40-48.		17
27	Accommodation of Plate Motion in an Incipient Strikeâ€Slip System: The Central Walker Lane. Tectonics, 2021, 40, e2019TC005612.	1.3	16
28	Large Himalayan Frontal Thrust paleoearthquake at Khayarmara in eastern Nepal. Journal of Asian Earth Sciences, 2019, 174, 346-351.	1.0	12
29	Terrestrial cosmogenic surface exposure dating of glacial and associated landforms in the Ruby Mountains-East Humboldt Range of central Nevada and along the northeastern flank of the Sierra Nevada. Geomorphology, 2016, 268, 72-81.	1.1	11
30	Terrestrial cosmogenic surface exposure dating of moraines at Lake Tahoe in the Sierra Nevada of California and slip rate estimate for the West Tahoe Fault. Geomorphology, 2017, 298, 63-71.	1.1	10
31	Characterizing the Quaternary expression of active faulting along the Olinghouse, Carson, and Wabuska lineaments of the Walker Lane. , 2017, 13, 2119-2136.		10
32	Improved Scaling Relationships for Seismic Moment and Average Slip of Strike-Slip Earthquakes Incorporating Fault-Slip Rate, Fault Width, and Stress Drop. Bulletin of the Seismological Society of America, 2021, 111, 2379-2392.	1.1	5
33	Development of the Truckee River terraces on the northeastern flank of the Sierra Nevada. Geomorphology, 2020, 370, 107399.	1.1	3
34	Testing the Synchronicity of Splay-Fault Ruptures in Carson Valley, Nevada, United States. Bulletin of the Seismological Society of America, 2022, 112, 704-713.	1.1	2