Edwin K Nissen

List of Publications by Year
in descending order

35	1,490	394421	395702
papers	citations	h-index	g-index

40	40	40	1520
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid mapping of ultrafine fault zone topography with structure from motion. , 2014, 10, 969-986.		224
2	New views on earthquake faulting in the Zagros fold-and-thrust belt of Iran. Geophysical Journal International, 2011, 186, 928-944.	2.4	154
3	Slip in the 2010â€“2011 Canterbury earthquakes, New Zealand. Journal of Geophysical Research, 2012, 117, .	3.3	103
4	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>â¼7 intraplate earthquakes. Earth and Planetary Science Letters, 2014, 405, 244-256.	4.4	83
5	The M7 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
6	Threeâ€dimensional surface displacements and rotations from differencing preâ€and postâ€earthquake LiDAR point clouds. Geophysical Research Letters, 2012, 39, .	4.0	73
7	The 2005 Qeshm Island earthquake (Iran)-a link between buried reverse faulting and surface folding in the Zagros Simply Folded Belt?. Geophysical Journal International, 2007, 171, 326-338.	2.4	65
8	The 12 November 2017 M_w 7.3 Ezgelehâ€Sarpolzahab (Iran) Earthquake and Active Tectonics of the Lurestan Arc. Journal of Geophysical Research: Solid Earth, 2019, 124, 2124-2152.	3.4	57
9	The 2020 M_wÂ6.8 ElazÄ±ÄŸ (Turkey) Earthquake Reveals Rupture Behavior of the East Anatolian Fault. Geophysical Research Letters, 2020, 47, e2020GL088136.	4.0	50
10	Seismotectonics of the Zagros (Iran) From Orogenâ€Wide, Calibrated Earthquake Relocations. Journal of Geophysical Research: Solid Earth, 2019, 124, 9109-9129.	3.4	48
11	Optimization of legacy lidar data sets for measuring nearâ€field earthquake displacements. Geophysical Research Letters, 2014, 41, 3494-3501.	4.0	47
12	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.	4.4	43
13	Zagros â€œphantom earthquakesâ€•reassessedâ€”The interplay of seismicity and deep salt flow in the Simply Folded Belt?. Journal of Geophysical Research: Solid Earth, 2014, 119, 3561-3583.	3.4	42
14	Coseismic Rupture and Preliminary Slip Estimates for the Papatea Fault and Its Role in the 2016 MwÂ7.8 KaikÅura, New Zealand, Earthquake. Bulletin of the Seismological Society of America, 2018, 108, 1596-1622.	2.3	41
15	Combining InSAR and seismology to study the 2003 Siberian Altai earthquakes-dextral strike-slip and anticlockwise rotations in the northern India-Eurasia collision zone. Geophysical Journal International, 2007, 169, 216-232.	2.4	38
16	The 2013 M_w 6.2 Khakiâ€Shonbe (Iran) Earthquake: Insights into seismic and aseismic shortening of the Zagros sedimentary cover. Earth and Space Science, 2015, 2, 435-471.	2.6	38
17	Unusual kinematics of the Papatea fault (2016 KaikÅura earthquake) suggest anelastic rupture. Science Advances, 2019, 5, eaax5703.	10.3	36
18	Seismogenic faulting of the sedimentary sequence and laterally variable material properties in the Zagros Mountains (Iran) revealed by the August 2014 Murmuri (E. Dehloran) earthquake sequence. Geophysical Journal International, 2015, 203, 1436-1459.	2.4	34

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19	The 2017ÂJuly 20 Mw 6.6 Bodrumâ€“Kos earthquake illuminates active faulting in the Gulf of GÃ¶kova, SW Turkey. Geophysical Journal International, 2018, 214, 185-199.	2.4	34
20	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
21	Normal faulting in the Simav graben of western Turkey reassessed with calibrated earthquake relocations. Journal of Geophysical Research: Solid Earth, 2016, 121, 4553-4574.	3.4	21
22	The December 2017 Hojedk (Iran) earthquake tripletâ€”sequential rupture of shallow reverse faults in a strike-slip restraining bend. Geophysical Journal International, 2019, 217, 909-925.	2.4	21
23	The August 2018 Kaktovik Earthquakes: Active Tectonics in Northeastern Alaska Revealed With InSAR and Seismology. Geophysical Research Letters, 2019, 46, 14412-14420.	4.0	20
24	Surface Rupture Morphology and Vertical Slip Distribution of the 1959 M_w 7.2 Hebgen Lake (Montana) Earthquake From Airborne Lidar Topography. Journal of Geophysical Research: Solid Earth, 2018, 123, 8229-8248.	3.4	19
25	Late Quaternary rates of uplift and shortening at Baatar Hyarhan (Mongolian Altai) with optically stimulated luminescence. Geophysical Journal International, 2009, 177, 259-278.	2.4	17
26	On the Relevance of Geodetic Deformation Rates to Earthquake Potential. Geophysical Research Letters, 2021, 48, e2021GL093231.	4.0	16
27	Validation of the 3-D phase-weighted relative back projection technique and its application to the 2016MwÂ7.8 KaikÅura earthquake. Geophysical Journal International, 2019, 217, 375-388.	2.4	15
28	Seismicityâ€Scanning Based on Navigated Automatic Phaseâ€Picking. Journal of Geophysical Research: Solid Earth, 2019, 124, 3802-3818.	3.4	12
29	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
30	The 2019â€“2020 Khalili (Iran) Earthquake Sequenceâ€”Anthropogenic Seismicity in the Zagros Simply Folded Belt?. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022797.	3.4	9
31	A reappraisal of active tectonics along the Fethiyeâ€“Burdur trend, southwestern Turkey. Geophysical Journal International, 2022, 230, 1030-1051.	2.4	4
32	Submeter Resolution Surface Rupture Topography From Legacy Aerial Photographsâ€”A Test Case From the 1992 Landers Earthquake. Earth and Space Science, 2020, 7, e2019EA000651.	2.6	3
33	Structural controls on coseismic rupture revealed by the 2020MwÂ6.0 Jiashi earthquake (Kepingtag belt, SW Tian Shan, China). Geophysical Journal International, 2022, 230, 1895-1910.	2.4	3
34	3D change detection using low cost aerial imagery. , 2012, , .		2
35	Tracking earthquake sequences in real time: application of Seismicity-Scanning based on Navigated Automatic Phase-picking (S-SNAP) to the 2019 Ridgecrest, California sequence. Geophysical Journal International, 2020, 223, 1511-1524.	2.4	2