

# Michael E Oskin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43  
papers

5,254  
citations

23  
h-index

44  
g-index

44  
ext. papers

6,174  
ext. citations

6.3  
avg, IF

4.82  
L-index

#	Paper	IF	Citations
43	Accrual of widespread rock damage from the 2019 Ridgecrest earthquakes. <i>Nature Geoscience</i> , <b>2022</b> , 15, 222-226	18.3	5
42	An analysis of the factors that control fault zone architecture and the importance of fault orientation relative to regional stress. <i>Bulletin of the Geological Society of America</i> , <b>2020</b> , 132, 2084-2104	3.9	9
41	Characteristic slip distribution and earthquake recurrence along the eastern Altyn Tagh fault revealed by high-resolution topographic data <b>2020</b> , 16, 392-406		10
40	Segmented Thrust Faulting: Example From the Northeastern Margin of the Tibetan Plateau. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2019JB018634	3.6	6
39	Documentation of Surface Fault Rupture and Ground-Deformation Features Produced by the 4 and 5 July 2019 Mw6.4 and Mw7.1 Ridgecrest Earthquake Sequence. <i>Seismological Research Letters</i> , <b>2020</b> , 91, 2942-2959	3	31
38	Late Pleistocene slip rate of the central Haiyuan fault constrained from optically stimulated luminescence, <sup>14</sup> C, and cosmogenic isotope dating and high-resolution topography. <i>Bulletin of the Geological Society of America</i> , <b>2020</b> ,	3.9	3
37	Airborne Lidar and Electro-Optical Imagery along Surface Ruptures of the 2019 Ridgecrest Earthquake Sequence, Southern California. <i>Seismological Research Letters</i> , <b>2020</b> , 91, 2096-2107	3	18
36	Reevaluation of the Late Pleistocene Slip Rate of the Haiyuan Fault Near Songshan, Gansu Province, China. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2019</b> , 124, 5217-5240	3.6	19
35	Extent of Low-Angle Normal Slip in the 2010 El Mayor-Cucapah (Mexico) Earthquake From Differential Lidar. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2019</b> , 124, 943-956	3.6	8
34	Paleoseismic Investigation of the Aksay Restraining Double Bend, Altyn Tagh Fault, and Its Implication for Barrier-Breaching Ruptures. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2018</b> , 123, 4307-4330	3.6	17
33	Surface Slip From the 2014 South Napa Earthquake Measured With Structure From Motion and 3-D Virtual Reality. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 5985-5991	4.9	4
32	Geomorphic offsets along the creeping Laohu Shan section of the Haiyuan fault, northern Tibetan Plateau <b>2018</b> , 14, 1165-1186		16
31	A 6000-year-long paleoseismologic record of earthquakes along the Xorkoli section of the Altyn Tagh fault, China. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 497, 193-203	5.3	21
30	Structure and geometry of the Aksay restraining double bend along the Altyn Tagh Fault, northern Tibet, imaged using magnetotelluric method. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4090-4097	4.9	18
29	Steady <sup>10</sup> Be-derived paleoerosion rates across the Plio-Pleistocene climate transition, Fish Creek-Vallecito basin, California. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2017</b> , 122, 1653-1677	3.8	6
28	Pulsed exhumation of interior eastern Tibet: Implications for relief generation mechanisms and the origin of high-elevation planation surfaces. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 449, 176-185	5.3	55
27	The role of a keystone fault in triggering the complex El Mayor-Cucapah earthquake rupture. <i>Nature Geoscience</i> , <b>2016</b> , 9, 303-307	18.3	41

26	Geologic and structural controls on rupture zone fabric: A field-based study of the 2010 Mw 7.2 El Mayor-Cucapah earthquake surface rupture <b>2015</b> , 11, 899-920		39
25	Rupture termination at restraining bends: The last great earthquake on the Altyn Tagh Fault. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 2164-2170	4.9	42
24	Surface-Rupture and Slip Observations on the Day of the 24 August 2014 South Napa Earthquake. <i>Seismological Research Letters</i> , <b>2015</b> , 86, 1119-1127	3	8
23	Eastern termination of the Altyn Tagh Fault, western China: Constraints from a magnetotelluric survey. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2015</b> , 120, 2838-2858	3.6	27
22	Assembly of a large earthquake from a complex fault system: Surface rupture kinematics of the 4 April 2010 El Mayor-Cucapah (Mexico) Mw 7.2 earthquake <b>2014</b> , 10, 797-827		95
21	Optimization of legacy lidar data sets for measuring near-field earthquake displacements. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 3494-3501	4.9	38
20	Coseismic fault zone deformation revealed with differential lidar: Examples from Japanese Mw ~7 intraplate earthquakes. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 405, 244-256	5.3	70
19	Relationship of channel steepness to channel incision rate from a tilted and progressively exposed unconformity surface. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2014</b> , 119, 366-384	3.8	4
18	Coseismic slip variation assessed from terrestrial lidar scans of the El Mayor-Cucapah surface rupture. <i>Earth and Planetary Science Letters</i> , <b>2013</b> , 366, 151-162	5.3	48
17	Point-based computing on scanned terrain with LidarViewer <b>2013</b> , 9, 546-556		8
16	Thick deltaic sedimentation and detachment faulting delay the onset of continental rupture in the Northern Gulf of California: Analysis of seismic reflection profiles. <i>Tectonics</i> , <b>2013</b> , 32, 1294-1311	4.3	33
15	Stable, rapid rate of slip since inception of the San Jacinto fault, California. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 4209-4213	4.9	22
14	Inherited strike-slip faults as an origin for basement-cored uplifts: Example of the Kungey and Zailiskey ranges, northern Tian Shan. <i>Tectonics</i> , <b>2012</b> , 31, n/a-n/a	4.3	50
13	Near-field deformation from the El Mayor-Cucapah earthquake revealed by differential LIDAR. <i>Science</i> , <b>2012</b> , 335, 702-5	33.3	170
12	Focused modern denudation of the Longmen Shan margin, eastern Tibetan Plateau. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2011</b> , 12, n/a-n/a	3.6	45
11	Topographic control of asynchronous glacial advances: A case study from Annapurna, Nepal. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	32
10	Deformation processes adjacent to active faults: Examples from eastern California. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		46
9	Late Quaternary slip rate gradient defined using high-resolution topography and <sup>10</sup> Be dating of offset landforms on the southern San Jacinto Fault zone, California. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		44

8	Palinspastic restoration of NAVDat and implications for the origin of magmatism in southwestern North America. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		32
7	Southern California Earthquake Center Geologic Vertical Motion Database. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2008</b> , 9, n/a-n/a	3.6	8
6	The Shuttle Radar Topography Mission. <i>Reviews of Geophysics</i> , <b>2007</b> , 45,	23.1	3672
5	Transient landscape evolution of basement-cored uplifts: Example of the Kyrgyz Range, Tian Shan. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		33
4	Exhumation of basement-cored uplifts: Example of the Kyrgyz Range quantified with apatite fission track thermochronology. <i>Tectonics</i> , <b>2006</b> , 25, n/a-n/a	4.3	114
3	Effects of bedrock landslides on cosmogenically determined erosion rates. <i>Earth and Planetary Science Letters</i> , <b>2005</b> , 237, 480-498	5.3	207
2	Alpine landscape evolution dominated by cirque retreat. <i>Geology</i> , <b>2005</b> , 33, 933	5	78
1	Near-Field High-Resolution Maps of the Ridgecrest Earthquakes from Aerial Imagery. <i>Seismological Research Letters</i> ,	3	2