

Mian Liu

List of Publications by Year in descending order

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43
papers

2,199
citations

279798

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44
times ranked

2049
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Thermal Structure of East Asian Continental Lithosphere. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	9
2	Aftershocks and Background Seismicity in Tangshan and the Rest of North China. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021395.	3.4	8
3	Postseismic Deformation and Afterslip Evolution of the 2015 Gorkha Earthquake Constrained by InSAR and GPS Observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020230.	3.4	16
4	Active crustal deformation in the Tian Shan region, central Asia. <i>Tectonophysics</i> , 2021, 811, 228868.	2.2	6
5	Crustal thickening versus lateral extrusion during India-Asia continental collision: 3-D thermo-mechanical modeling. <i>Tectonophysics</i> , 2021, 818, 229081.	2.2	5
6	Stream channel offsets along strike-slip faults: Interaction between fault slip and surface processes. <i>Geomorphology</i> , 2021, 394, 107965.	2.6	3
7	Earthquake supercycles and Long-Term Fault Memory. <i>Tectonophysics</i> , 2020, 774, 228289.	2.2	55
8	Complex Temporal Patterns of Large Earthquakes: Devil's Staircases. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 1064-1076.	2.3	22
9	Active crustal deformation in southeastern Tibetan Plateau: The kinematics and dynamics. <i>Earth and Planetary Science Letters</i> , 2019, 523, 115708.	4.4	42
10	Imaging the Mantle Lithosphere below the China cratons using S-to-p converted waves. <i>Tectonophysics</i> , 2019, 754, 73-79.	2.2	16
11	Earthquake, Aftershocks. <i>Encyclopedia of Earth Sciences Series</i> , 2019, , 1-4.	0.1	2
12	Present-day crustal deformation and strain transfer in northeastern Tibetan Plateau. <i>Earth and Planetary Science Letters</i> , 2018, 487, 179-189.	4.4	63
13	Stressing Rates and Seismicity on the Major Faults in Eastern Tibetan Plateau. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 10,968.	3.4	22
14	Rheological Control of Lateral Growth of the Tibetan Plateau: Numerical Results. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 10,124.	3.4	24
15	Challenges in assessing seismic hazard in intraplate Europe. <i>Geological Society Special Publication</i> , 2017, 432, 13-28.	1.3	24
16	Lithospheric structure across the northeastern margin of the Tibetan Plateau: Implications for the plateau's lateral growth. <i>Earth and Planetary Science Letters</i> , 2017, 459, 80-92.	4.4	50
17	Strain partitioning and stress perturbation around stepovers and bends of strike-slip faults: Numerical results. <i>Tectonophysics</i> , 2017, 721, 211-226.	2.2	19
18	How fault evolution changes strain partitioning and fault slip rates in Southern California: Results from geodynamic modeling. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 6893-6909.	3.4	18

#	ARTICLE	IF	CITATIONS
19	Mid-continental earthquakes: Spatiotemporal occurrences, causes, and hazards. <i>Earth-Science Reviews</i> , 2016, 162, 364-386.	9.1	84
20	A numerical study of strike-slip bend formation with application to the Salton Sea pull-apart basin. <i>Geophysical Research Letters</i> , 2015, 42, 1368-1374.	4.0	10
21	Is the Asian lithosphere underthrusting beneath northeastern Tibetan Plateau? Insights from seismic receiver functions. <i>Earth and Planetary Science Letters</i> , 2015, 428, 172-180.	4.4	41
22	Intraplate earthquakes in North China. , 2014, , 97-125.		8
23	The Indo-Asian continental collision: A 3-D viscous model. <i>Tectonophysics</i> , 2013, 606, 198-211.	2.2	35
24	Multi-timescale mechanical coupling between the San Jacinto fault and the San Andreas fault, southern California. <i>Lithosphere</i> , 2012, 4, 221-229.	1.4	28
25	Why earthquake hazard maps often fail and what to do about it. <i>Tectonophysics</i> , 2012, 562-563, 1-25.	2.2	212
26	Roaming earthquakes in China highlight midcontinental hazards. <i>Eos</i> , 2012, 93, 453-454.	0.1	20
27	2000 years of migrating earthquakes in North China: How earthquakes in midcontinents differ from those at plate boundaries. <i>Lithosphere</i> , 2011, 3, 128-132.	1.4	143
28	Balance of seismic moment in the Songpan-Ganze region, eastern Tibet: Implications for the 2008 Great Wenchuan earthquake. <i>Tectonophysics</i> , 2010, 491, 154-164.	2.2	53
29	Stress evolution and fault interactions before and after the 2008 Great Wenchuan earthquake. <i>Tectonophysics</i> , 2010, 491, 127-140.	2.2	102
30	What drives short- and long-term crustal deformation in the southwestern United States?. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	9
31	Inception of the eastern California shear zone and evolution of the Pacific-North American plate boundary: From kinematics to geodynamics. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
32	A 3-D viscoelastoplastic model for simulating long-term slip on non-planar faults. <i>Geophysical Journal International</i> , 2009, 176, 293-306.	2.4	52
33	Long aftershock sequences within continents and implications for earthquake hazard assessment. <i>Nature</i> , 2009, 462, 87-89.	27.8	190
34	Crustal thickening and lateral extrusion during the Indo-Asian collision: A 3D viscous flow model. <i>Tectonophysics</i> , 2009, 465, 128-135.	2.2	60
35	Lithospheric velocity structure of the New Madrid Seismic Zone: A joint teleseismic and local P tomographic study. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	28
36	Did the Zipingpu Reservoir trigger the 2008 Wenchuan earthquake?. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	99

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37	Stress evolution and seismicity in the central-eastern United States: Insights from geodynamic modeling. , 2007, , .		14
38	Initiation of the San Jacinto Fault and its Interaction with the San Andreas Fault: Insights from Geodynamic Modeling. Pure and Applied Geophysics, 2007, 164, 1937-1945.	1.9	23
39	Geometrical impact of the San Andreas Fault on stress and seismicity in California. Geophysical Research Letters, 2006, 33, .	4.0	37
40	Cenozoic rifting and volcanism in eastern China: a mantle dynamic link to the Indo-Asian collision?. Tectonophysics, 2004, 393, 29-42.	2.2	281
41	Extensional collapse of the Tibetan Plateau: Results of three-dimensional finite element modeling. Journal of Geophysical Research, 2003, 108, .	3.3	112
42	Cenozoic deformation of the Tarim plate and the implications for mountain building in the Tibetan Plateau and the Tian Shan. Tectonics, 2002, 21, 9-1-9-17.	2.8	89
43	Crustal collapse, mantle upwelling, and Cenozoic extension in the North American Cordillera. Tectonics, 1998, 17, 311-321.	2.8	38