Xiaohua Xu

List of Publications by Year
in descending order

29 papers	1,247 citations	471371 17 h-index	526166 27 g-index
31 all docs	31 docs citations	31 times ranked	1397 citing authors

#	Article	IF	Citations
1	Slip pulse and resonance of the Kathmandu basin during the 2015 Gorkha earthquake, Nepal. Science, 2015, 349, 1091-1095.	6.0	287
2	Lineâ€ofâ€sight displacement from ALOSâ€2 interferometry: M_w 7.8 Gorkha Earthquake and M_w 7.3 aftershock. Geophysical Research Letters, 2015, 42, 6655-6661.	1.5	174
3	Refining the shallow slip deficit. Geophysical Journal International, 2016, 204, 1843-1862.	1.0	95
4	Tectonic and Anthropogenic Deformation at the Cerro Prieto Geothermal Step-Over Revealed by Sentinel-1A InSAR. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5284-5292.	2.7	89
5	Complex Rupture of an Immature Fault Zone: A Simultaneous Kinematic Model of the 2019 Ridgecrest, CA Earthquakes. Geophysical Research Letters, 2020, 47, e2019GL086382.	1.5	79
6	Coseismic Displacements and Surface Fractures from Sentinel-1 InSAR: 2019 Ridgecrest Earthquakes. Seismological Research Letters, 2020, 91, 1979-1985.	0.8	78
7	Documentation of Surface Fault Rupture and Ground-Deformation Features Produced by the 4 and 5 July 2019 MwÂ6.4 and MwÂ7.1 Ridgecrest Earthquake Sequence. Seismological Research Letters, 2020, 91, 2942-2959.	0.8	47
8	Slow Slip Event On the Southern San Andreas Fault Triggered by the 2017 M_w8.2 Chiapas (Mexico) Earthquake. Journal of Geophysical Research: Solid Earth, 2019, 124, 9956-9975.	1.4	46
9	Source characteristics of the 2015 MW 7.8 Gorkha (Nepal) earthquake and its MW 7.2 aftershock from space geodesy. Tectonophysics, 2017, 712-713, 747-758.	0.9	43
10	Deep embrittlement and complete rupture of the lithosphere during the Mwâ€‰8.2 Tehuantepec earthquake. Nature Geoscience, 2018, 11, 955-960.	5.4	42
11	Surface deformation associated with fractures near the 2019 Ridgecrest earthquake sequence. Science, 2020, 370, 605-608.	6.0	41
12	Toward Absolute Phase Change Recovery With InSAR: Correcting for Earth Tides and Phase Unwrapping Ambiguities. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 726-733.	2.7	26
13	Modeling the Sources of the 2018 Palu, Indonesia, Tsunami Using Videos From Social Media. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018675.	1.4	26
14	Integrated Sentinelâ€1 InSAR and GNSS Timeâ€Series Along the San Andreas Fault System. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022579.	1.4	26
15	Transient Deformation in California From Two Decades of GPS Displacements: Implications for a Threeâ€Dimensional Kinematic Reference Frame. Journal of Geophysical Research: Solid Earth, 2019, 124, 12189-12223.	1.4	25
16	The first since 1960: A large event in the Valdivia segment of the Chilean Subduction Zone, the 2016 M7.6 Melinka earthquake. Earth and Planetary Science Letters, 2017, 474, 68-75.	1.8	23
17	Improving Burst Alignment in TOPS Interferometry With Bivariate Enhanced Spectral Diversity. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2423-2427.	1.4	22
18	Surface Creep Rate of the Southern San Andreas Fault Modulated by Stress Perturbations From Nearby Large Events. Geophysical Research Letters, 2018, 45, 10,259.	1.5	16

#	Article	IF	Citations
19	Tidal modulation of seismicity at the Coso geothermal field. Earth and Planetary Science Letters, 2022, 579, 117335.	1.8	11
20	Coseismic Slip Model of the 2021 Maduo Earthquake, China from Sentinel-1 InSAR Observation. Remote Sensing, 2022, 14, 436.	1.8	11
21	Energetic Rupture and Tsunamigenesis during the 2020 MwÂ7.4 La Crucecita, Mexico Earthquake. Seismological Research Letters, 2021, 92, 140-150.	0.8	8
22	Machineâ€learning characterization of tectonic, hydrological and anthropogenic sources of active ground deformation in California. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022373.	1.4	8
23	Defining the Coseismic Phase of the Crustal Deformation Cycle With Seismogeodesy. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022002.	1.4	7
24	The 2018 Palu Tsunami: Coeval Landslide and Coseismic Sources. Seismological Research Letters, 2020, 91, 3148-3160.	0.8	5
25	GNSS-corrected InSAR displacement time-series spanning the 2019 Ridgecrest, CA earthquakes. Geophysical Journal International, 2022, 230, 1358-1373.	1.0	5
26	A spectral expansion approach for geodetic slip inversion: implications for the downdip rupture limits of oceanic and continental megathrust earthquakes. Geophysical Journal International, 2018, 212, 400-411.	1.0	3
27	Truncated Total Least Squares Regularization Method for Ocean Acoustic Tomography Inverse Problem. , 2009, , .		2
28	Seismic Moment Accumulation Response to Lateral Crustal Variations of the San Andreas Fault System. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021208.	1.4	2
29	Vertical Postseismic Deformation of the 2019 Ridgecrest Earthquake Sequence. Journal of Geophysical Research: Solid Earth, 0, , .	1.4	0