Judith A Hubbard

List of Publications by Year
in descending order

39 papers	2,751 citations	304743 22 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	2090 citing authors

#	Article	IF	Citations
1	Coseismic reverse- and oblique-slip surface faulting generated by the 2008 Mw 7.9 Wenchuan earthquake, China. Geology, 2009, 37, 515-518.	4.4	700
2	Uplift of the Longmen Shan and Tibetan plateau, and the 2008 Wenchuan (M = 7.9) earthquake. Nature, 2009, 458, 194-197.	27.8	507
3	Structural Setting of the 2008 Mw 7.9 Wenchuan, China, Earthquake. Bulletin of the Seismological Society of America, 2010, 100, 2713-2735.	2.3	155
4	Structural segmentation controlled the 2015 Mw 7.8 Gorkha earthquake rupture in Nepal. Geology, 2016, 44, 639-642.	4.4	148
5	Earthquake-triggered 2018 Palu Valley landslides enabled by wet rice cultivation. Nature Geoscience, 2019, 12, 935-939.	12.9	106
6	The 2012 M_wâ€‰8.6 Wharton Basin sequence: A cascade of great earthquakes generated by nearâ€orthogonal, young, oceanic mantle faults. Journal of Geophysical Research: Solid Earth, 2015, 120, 3723-3747.	3.4	85
7	The mechanism of partial rupture of a locked megathrust: The role of fault morphology. Geology, 2016, 44, 875-878.	4.4	83
8	The 2013 Lushan earthquake: Implications for seismic hazards posed by the Range Front blind thrust in the Sichuan Basin, China. Geology, 2014, 42, 915-918.	4.4	69
9	The Forced van der Pol Equation II: Canards in the Reduced System. SIAM Journal on Applied Dynamical Systems, 2003, 2, 570-608.	1.6	68
10	Structural interpretation of the coseismic faults of the Wenchuan earthquake: Threeâ€dimensional modeling of the Longmen Shan foldâ€andâ€thrust belt. Journal of Geophysical Research, 2010, 115, .	3.3	68
11	Threeâ€dimensional seismic velocity structure in the Sichuan basin, China. Journal of Geophysical Research: Solid Earth, 2016, 121, 1007-1022.	3.4	65
12	Coseismic slip on shallow dÃ©collement megathrusts: implications for seismic and tsunami hazard. Earth-Science Reviews, 2015, 141, 45-55.	9.1	64
13	Active Convergence of the Indiaâ€Burmaâ€Sunda Plates Revealed by a New Continuous GPS Network. Journal of Geophysical Research: Solid Earth, 2019, 124, 3155-3171.	3.4	55
14	Building the Himalaya from tectonic to earthquake scales. Nature Reviews Earth & Environment, 2021, 2, 251-268.	29.7	53
15	Structure and Seismic Hazard of the Ventura Avenue Anticline and Ventura Fault, California: Prospect for Large, Multisegment Ruptures in the Western Transverse Ranges. Bulletin of the Seismological Society of America, 2014, 104, 1070-1087.	2.3	50
16	Structural Control on Downdip Locking Extent of the Himalayan Megathrust. Journal of Geophysical Research: Solid Earth, 2018, 123, 5265-5278.	3.4	49
17	Slip rate deficit and earthquake potential on shallow megathrusts. Nature Geoscience, 2021, 14, 321-326.	12.9	46
18	Can the Updip Limit of Frictional Locking on Megathrusts Be Detected Geodetically? Quantifying the Effect of Stress Shadows on Nearâ€Trench Coupling. Geophysical Research Letters, 2018, 45, 4754-4763.	4.0	43

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19	A 3â€Ð Shear Wave Velocity Model for Myanmar Region. Journal of Geophysical Research: Solid Earth, 2019, 124, 504-526.	3.4	38
20	Active Fault-Related Folding beneath an Alluvial Terrace in the Southern Longmen Shan Range Front, Sichuan Basin, China: Implications for Seismic Hazard. Bulletin of the Seismological Society of America, 2013, 103, 2369-2385.	2.3	36
21	Oblique Thrusting and Strain Partitioning in the Longmen Shan Foldâ€andâ€Thrust Belt, Eastern Tibetan Plateau. Journal of Geophysical Research: Solid Earth, 2018, 123, 4431-4453.	3.4	25
22	Earthquake Cycles in Faultâ€Bend Folds. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018557.	3.4	25
23	Seismic imaging of the Main Frontal Thrust in Nepal reveals a shallow dÃ©collement and blind thrusting. Earth and Planetary Science Letters, 2018, 494, 216-225.	4.4	22
24	Subduction initiation and the rise of the Shillong Plateau. Earth and Planetary Science Letters, 2020, 543, 116351.	4.4	21
25	Paleoseismologic evidence for large-magnitude (M_w7.5â€“8.0) earthquakes on the Ventura blind thrust fault: Implications for multifault ruptures in the Transverse Ranges of southern California. , 2015, 11, 1629-1650.		20
26	Re-evaluating seismic hazard along the southern Longmen Shan, China: Insights from the 1970 Dayi and 2013 Lushan earthquakes. Tectonophysics, 2017, 717, 519-530.	2.2	20
27	Slab Models Beneath Central Myanmar Revealed by a Joint Inversion of Regional and Teleseismic Traveltime Data. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020164.	3.4	19
28	Applying Wedge Theory to Dynamic Rupture Modeling of Fault Junctions. Bulletin of the Seismological Society of America, 2012, 102, 1693-1711.	2.3	16
29	Physics-Based Scenario of Earthquake Cycles on the Ventura Thrust System, California: The Effect of Variable Friction and Fault Geometry. Pure and Applied Geophysics, 2019, 176, 3993-4007.	1.9	16
30	3-D geomechanical restoration and paleomagnetic analysis of fault-related folds: An example from the Yanjinggou anticline, southern Sichuan Basin. Journal of Structural Geology, 2013, 54, 199-214.	2.3	15
31	New insights into the structural heterogeneity and geodynamics of the Indo-Burma subduction zone from ambient noise tomography. Earth and Planetary Science Letters, 2021, 562, 116856.	4.4	14
32	Geometry of the DÃ©collement Below Eastern Bangladesh and Implications for Seismic Hazard. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021519.	3.4	12
33	Building Objective 3D Fault Representations in Active Tectonic Settings. Seismological Research Letters, 2017, 88, 831-839.	1.9	11
34	A Unified Framework for Earthquake Sequences and the Growth of Geological Structure in Foldâ€Thrust Belts. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022045.	3.4	8
35	Constraints on the shallow deformation around the Main Frontal Thrust in central Nepal from refraction velocities. Tectonophysics, 2020, 777, 228366.	2.2	4
36	Localized extension in megathrust hanging wall following great earthquakes in western Nepal. Scientific Reports, 2021, 11, 21521.	3.3	4

#	Article	IF	Citations
37	Imaging the Upper 10Âkm Crustal Shear-Wave Velocity Structure of Central Myanmar via a Joint Inversion of P-Wave Polarizations and Receiver Functions. Seismological Research Letters, 2022, 93, 1710-1720.	1.9	4
38	Tsunami hazard in Lombok and Bali, Indonesia, due to the Flores back-arc thrust. Natural Hazards and Earth System Sciences, 2022, 22, 1665-1682.	3.6	4
39	The Role of Frontal Thrusts in Tsunami Earthquake Generation. Bulletin of the Seismological Society of America, 2022, 112, 680-694.	2.3	3