Kerry Sieh

List of Publications by Year
in descending order

42 papers	4,007 citations	201575 27 h-index	265120 42 g-index
42 all docs	42 docs citations	42 times ranked	2710 citing authors

#	Article	IF	Citations
1	Assessing volcanic hazard and exposure to lava flows at remote volcanic fields: a case study from the Bolaven Volcanic Field, Laos. Journal of Applied Volcanology, 2022, 11, .	0.7	4
2	Australasian impact crater buried under the Bolaven volcanic field, Southern Laos. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1346-1353.	3.3	32
3	The impact of Ming and Qing dynasty maritime bans on trade ceramics recovered from coastal settlements in northern Sumatra, Indonesia. Archaeological Research in Asia, 2020, 21, 100174.	0.2	10
4	Dam failure and a catastrophic flood in the Mekong basin (Bolaven Plateau), southern Laos, 2018. Geomorphology, 2020, 362, 107221.	1.1	38
5	Stratigraphic Control of Frontal DÃ©collement Level and Structural Vergence and Implications for Tsunamigenic Earthquake Hazard in Sumatra, Indonesia. Geochemistry, Geophysics, Geosystems, 2019, 20, 1646-1664.	1.0	10
6	Archaeological evidence that a late 14th-century tsunami devastated the coast of northern Sumatra and redirected history. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11679-11686.	3.3	15
7	Fault Slip and GPS Velocities Across the Shan Plateau Define a Curved Southwestward Crustal Motion Around the Eastern Himalayan Syntaxis. Journal of Geophysical Research: Solid Earth, 2018, 123, 2502-2518.	1.4	41
8	Limit on slip rate and timing of recent seismic ground-ruptures on the Jinghong fault, SE of the eastern Himalayan syntaxis. Tectonophysics, 2018, 734-735, 148-166.	0.9	8
9	Slip Rate and Rare Large Prehistoric Earthquakes of the Red River Fault, Southwestern China. Geochemistry, Geophysics, Geosystems, 2018, 19, 2014-2031.	1.0	29
10	Earthquake supercycles on the Mentawai segment of the Sunda megathrust in the seventeenth century and earlier. Journal of Geophysical Research: Solid Earth, 2017, 122, 642-676.	1.4	59
11	Highly variable recurrence of tsunamis in the 7,400 years before the 2004 Indian Ocean tsunami. Nature Communications, 2017, 8, 16019.	5.8	126
12	Hunt for slow slip events along the Sumatran subduction zone in a decade of continuous GPS data. Journal of Geophysical Research: Solid Earth, 2015, 120, 8623-8632.	1.4	10
13	Validation of linearity assumptions for using tsunami waveforms in joint inversion of kinematic rupture models: Application to the 2010 Mentawai M_w 7.8 tsunami earthquake. Journal of Geophysical Research: Solid Earth, 2015, 120, 1728-1747.	1.4	21
14	Coral 13 C/ 12 C records of vertical seafloor displacement during megathrust earthquakes west of Sumatra. Earth and Planetary Science Letters, 2015, 432, 461-471.	1.8	7
15	Time-varying interseismic strain rates and similar seismic ruptures on the Niasâ€“Simeulue patch of the Sunda megathrust. Quaternary Science Reviews, 2015, 122, 258-281.	1.4	74
16	Penultimate predecessors of the 2004 Indian Ocean tsunami in Aceh, Sumatra: Stratigraphic, archeological, and historical evidence. Journal of Geophysical Research: Solid Earth, 2015, 120, 308-325.	1.4	45
17	Active tectonics and earthquake potential of the Myanmar region. Journal of Geophysical Research: Solid Earth, 2014, 119, 3767-3822.	1.4	167
18	Rupture process of the 2010 M_w 7.8 Mentawai tsunami earthquake from joint inversion of nearâ€field hrâ€GPS and teleseismic body wave recordings constrained by tsunami observations. Journal of Geophysical Research: Solid Earth, 2014, 119, 5574-5593.	1.4	79

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19	Rupture and variable coupling behavior of the Mentawai segment of the Sunda megathrust during the supercycle culmination of 1797 to 1833. Journal of Geophysical Research: Solid Earth, 2014, 119, 7258-7287.	1.4	47
20	Tsunami-induced coastal change: scenario studies for Painan, West Sumatra, Indonesia. Earth, Planets and Space, 2012, 64, 799-816.	0.9	18
21	Source model of the 2009 Mw 7.6 Padang intraslab earthquake and its effect on the Sunda megathrust. Geophysical Journal International, 2012, 190, 1710-1722.	1.0	18
22	Persistent termini of 2004â€•and 2005â€‐like ruptures of the Sunda megathrust. Journal of Geophysical Research, 2012, 117, .	3.3	70
23	An ancient shallow slip event on the Mentawai segment of the Sunda megathrust, Sumatra. Journal of Geophysical Research, 2012, 117, .	3.3	17
24	The 2010 M_w 7.8 Mentawai earthquake: Very shallow source of a rare tsunami earthquake determined from tsunami field survey and nearâ€‐field GPS data. Journal of Geophysical Research, 2012, 117, .	3.3	130
25	Another potential source of destructive earthquakes and tsunami offshore of Sumatra. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	22
26	Submarine landslides along the Malacca Straitâ€Mergui Basin shelf margin: Insights from sequenceâ€stratigraphic analysis. Journal of Geophysical Research, 2010, 115, .	3.3	10
27	Coral evidence for earthquake recurrence and an A.D. 1390â€“1455 cluster at the south end of the 2004 Acehâ€“Andaman rupture. Journal of Geophysical Research, 2010, 115, .	3.3	96
28	Partial rupture of a locked patch of the Sumatra megathrust during the 2007 earthquake sequence. Nature, 2008, 456, 631-635.	13.7	308
29	Variation of initial 230Th/232Th and limits of high precision Uâ€“Th dating of shallow-water corals. Geochimica Et Cosmochimica Acta, 2008, 72, 4201-4223.	1.6	162
30	Earthquake Supercycles Inferred from Sea-Level Changes Recorded in the Corals of West Sumatra. Science, 2008, 322, 1674-1678.	6.0	323
31	THE SUNDA MEGATHRUST â€" PAST, PRESENT AND FUTURE. Journal of Earthquake and Tsunami, 2007, 01, 1-19.	0.7	24
32	Interseismic deformation above the Sunda Megathrust recorded in coral microatolls of the Mentawai islands, West Sumatra. Journal of Geophysical Research, 2007, 112, .	3.3	56
33	Uplift and subsidence associated with the great Aceh-Andaman earthquake of 2004. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	193
34	Source parameters of the great Sumatran megathrust earthquakes of 1797 and 1833 inferred from coral microatolls. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	176
35	Sumatran megathrust earthquakes: from science to saving lives. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 1947-1963.	1.6	52
36	Frictional Afterslip Following the 2005 Nias-Simeulue Earthquake, Sumatra. Science, 2006, 312, 1921-1926.	6.0	440

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37	Tsunami inundation modeling for western Sumatra. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19673-19677.	3.3	95
38	Deformation and Slip Along the Sunda Megathrust in the Great 2005 Nias-Simeulue Earthquake. Science, 2006, 311, 1897-1901.	6.0	284
39	What happened and what's next?. Nature, 2005, 434, 573-574.	13.7	36
40	Paleogeodetic records of seismic and aseismic subduction from central Sumatran microatolls, Indonesia. Journal of Geophysical Research, 2004, 109, .	3.3	101
41	Submergence and uplift associated with the giant 1833 Sumatran subduction earthquake: Evidence from coral microatolls. Journal of Geophysical Research, 1999, 104, 895-919.	3.3	177
42	A more precise chronology of earthquakes produced by the San Andreas Fault in southern California. Journal of Geophysical Research, 1989, 94, 603-623.	3.3	377