

# Kusala Rajendran

## List of Publications by Year in descending order

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45  
papers

1,170  
citations

430874

18  
h-index

395702

33  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1031  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpreting the style of faulting and paleoseismicity associated with the 1897 Shillong, northeast India, earthquake: Implications for regional tectonism. <i>Tectonics</i> , 2004, 23, n/a-n/a.	2.8	124
2	The status of central seismic gap: a perspective based on the spatial and temporal aspects of the large Himalayan earthquakes. <i>Tectonophysics</i> , 2005, 395, 19-39.	2.2	98
3	Climatic variability in Central Indian Himalaya during the last $\sim 1/4$ 1800 years: Evidence from a high resolution speleothem record. <i>Quaternary International</i> , 2013, 304, 183-192.	1.5	91
4	Medieval pulse of great earthquakes in the central Himalaya: Viewing past activities on the frontal thrust. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1623-1641.	3.4	82
5	Age estimates of coastal terraces in the Andaman and Nicobar Islands and their tectonic implications. <i>Tectonophysics</i> , 2008, 455, 53-60.	2.2	66
6	Assessing the previous activity at the source zone of the 2001 Bhuj earthquake based on the near-source and distant paleoseismological indicators. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	60
7	The 1993 Killari (Latur), central India, earthquake: An example of fault reactivation in the Precambrian crust. <i>Geology</i> , 1996, 24, 651.	4.4	58
8	Seismotectonic perspectives on the Himalayan arc and contiguous areas: Inferences from past and recent earthquakes. <i>Earth-Science Reviews</i> , 2017, 173, 1-30.	9.1	58
9	Geomorphology reveals active décollement geometry in the central Himalayan seismic gap. <i>Lithosphere</i> , 2015, 7, 247-256.	1.4	49
10	Seismotectonics of the April–May 2015 Nepal earthquakes: An assessment based on the aftershock patterns, surface effects and deformational characteristics. <i>Journal of Asian Earth Sciences</i> , 2015, 111, 161-174.	2.3	43
11	Revisiting the earthquake sources in the Himalaya: Perspectives on past seismicity. <i>Tectonophysics</i> , 2011, 504, 75-88.	2.2	40
12	Seismogenesis in the stable continental interiors: an appraisal based on two examples from India. <i>Tectonophysics</i> , 1999, 305, 355-370.	2.2	39
13	The hazard potential of the western segment of the Makran subduction zone, northern Arabian Sea. <i>Natural Hazards</i> , 2013, 65, 219-239.	3.4	39
14	Reassessing the earthquake hazard in Kerala based on the historical and current seismicity. <i>Journal of the Geological Society of India</i> , 2009, 73, 785-802.	1.1	33
15	The role of elastic, undrained, and drained responses in triggering earthquakes at Monticello Reservoir, South Carolina. <i>Bulletin of the Seismological Society of America</i> , 1992, 82, 1867-1888.	2.3	30
16	On the paleoseismic evidence of the 1803 earthquake rupture (or lack of it) along the frontal thrust of the Kumaun Himalaya. <i>Tectonophysics</i> , 2018, 722, 227-234.	2.2	28
17	Ages and relative sizes of pre-2004 tsunamis in the Bay of Bengal inferred from geologic evidence in the Andaman and Nicobar Islands. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1345-1362.	3.4	24
18	Liquefaction record of the great 1934 earthquake predecessors from the north Bihar alluvial plains of India. <i>Journal of Seismology</i> , 2016, 20, 733-745.	1.3	23

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19	Geoarchaeological evidence of a Chola-period tsunami from an ancient port at Kaveripattinam on the southeastern coast of India. <i>Geoarchaeology - an International Journal</i> , 2011, 26, 867-887.	1.5	18
20	Stalagmite growth perturbations from the Kumaun Himalaya as potential earthquake recorders. <i>Journal of Seismology</i> , 2016, 20, 579-594.	1.3	18
21	Footprints of an elusive mid-14th century earthquake in the central Himalaya: Consilience of evidence from Nepal and India. <i>Geological Journal</i> , 2019, 54, 2829-2846.	1.3	16
22	Geological investigations at Killari and Ter, central India and implications for palaeoseismicity in the shield region. <i>Tectonophysics</i> , 1999, 308, 67-81.	2.2	14
23	The April 2012 Indian Ocean earthquakes: Seismotectonic context and implications for their mechanisms. <i>Tectonophysics</i> , 2014, 617, 126-139.	2.2	14
24	Sheltered coastal environments as archives of paleo-tsunami deposits: Observations from the 2004 Indian Ocean tsunami. <i>Journal of Asian Earth Sciences</i> , 2014, 95, 331-341.	2.3	13
25	Revisiting the 1991 Uttarkashi and the 1999 Chamoli, India, earthquakes: Implications of rupture mechanisms in the central Himalaya. <i>Journal of Asian Earth Sciences</i> , 2018, 162, 107-120.	2.3	13
26	Estimates of site response based on spectral ratio between horizontal and vertical components of ambient vibrations in the source zone of 2001 Bhuj earthquake. <i>Journal of Asian Earth Sciences</i> , 2015, 98, 85-97.	2.3	8
27	Studying earthquake recurrence in the Kachchh region, India. <i>Eos</i> , 2003, 84, 529.	0.1	7
28	The 2016 $M_w 6.7$ Imphal Earthquake in the Indo-Burman Range: A Case of Continuing Intraplate Deformation within the Subducted Slab. <i>Bulletin of the Seismological Society of America</i> , 2016, 106, 2653-2662.	2.3	7
29	Three dimensional $P$ velocity image of the Oroville Reservoir Area, California, from local earthquake tomography. <i>Geophysical Research Letters</i> , 1993, 20, 1627-1630.	4.0	6
30	Microearthquake activity near the Idukki Reservoir, south India: A rare example of renewed triggered seismicity. <i>Engineering Geology</i> , 2013, 153, 45-52.	6.3	5
31	Structural context of the 2015 pair of Nepal earthquakes ( $M_w 7.8$ and $M_w 7.3$ ): an analysis based on slip distribution, aftershock growth, and static stress changes. <i>International Journal of Earth Sciences</i> , 2017, 106, 1133-1146.	1.8	5
32	Landslide characterization using active and passive seismic imaging techniques: a case study from Kerala, India. <i>Natural Hazards</i> , 2021, 105, 1623-1642.	3.4	5
33	Comment on "The 1993 Killari earthquake in central India: A new fault in Mesozoic basalt flows" by L. Seeber et al.. <i>Journal of Geophysical Research</i> , 1997, 102, 24561-24564.	3.3	4
34	Reply to comment by R. Bilham on "Interpreting the style of faulting and paleoseismicity associated with the 1897 Shillong, northeast India, earthquake: Implications for regional tectonism". <i>Tectonics</i> , 2006, 25, n/a-n/a.	2.8	4
35	Site responses based on ambient vibrations and earthquake data: a case study from the meizoseismal area of the 2001 Bhuj earthquake. <i>Journal of Seismology</i> , 2017, 21, 335-347.	1.3	4
36	The Orphan Tsunami of 1524 on the Konkan Coast, Western India, and Its Implications. <i>Pure and Applied Geophysics</i> , 2021, 178, 4697-4716.	1.9	4

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37	Paleoseismic context of the 1950 earthquake: Implications for seismic gaps in the Eastern Himalaya. <i>Physics and Chemistry of the Earth</i> , 2021, 124, 103055.	2.9	4
38	Sensitivity of a seismically active reservoir to low-amplitude fluctuations: Observations from Lake Jocassee, South Carolina. <i>Pure and Applied Geophysics</i> , 1995, 145, 87-95.	1.9	3
39	Tsunami geology and its role in hazard mitigation. <i>Eos</i> , 2005, 86, 400.	0.1	3
40	On the Trail of the Great 2004 Andaman-Sumatra Earthquake: Seismotectonics and Regional Tsunami History from the Andaman-Nicobar Segment. <i>Society of Earth Scientists Series</i> , 2020, , 205-222.	0.3	3
41	The 2005 and 2010 Earthquakes on the Sumatra–Andaman Trench: Evidence for Post-2004 Megathrust Intraplate Rejuvenation. <i>Bulletin of the Seismological Society of America</i> , 0, , .	2.3	2
42	The 2012 Mw 8.6 Indian Ocean earthquake: Deep nucleation on a listric-like fault. <i>Physics of the Earth and Planetary Interiors</i> , 2020, 307, 106550.	1.9	2
43	Comments on the Paper “Evidence for high velocity in Koyna Seismic Zone from P-wave teleseismic imaging” by Srinagesh et al.. <i>Geophysical Research Letters</i> , 2001, 28, 2357-2358.	4.0	1
44	Reply to comment by B. S. Sukhija et al. on “Interpreting the style of faulting and paleoseismicity associated with the 1897 Shillong, northeast India, earthquake: Implications for regional tectonism”. <i>Tectonics</i> , 2006, 25, n/a-n/a.	2.8	1
45	Earthquakes as Expressions of Tectonic Activity. <i>Resonance</i> , 2018, 23, 337-353.	0.3	1