Mukat Lal Sharma

List of Publications by Year
in descending order

38 papers	1,099 citations	430442 18 h-index	414034 32 g-index
38 all docs	38 docs citations	38 times ranked	630 citing authors

#	Article	IF	Citations
1	Ground-Motion Prediction Equations Based on Data from the Himalayan and Zagros Regions. Journal of Earthquake Engineering, 2009, 13, 1191-1210.	1.4	131
2	Global regression relations for conversion of surface wave and body wave magnitudes to moment magnitude. Natural Hazards, 2011, 59, 801-810.	1.6	116
3	Probabilistic seismic hazard map of NW Himalaya and its adjoining area, India. Natural Hazards, 2010, 53, 443-457.	1.6	96
4	Magnitude conversion problem using general orthogonal regression. Geophysical Journal International, 2012, 190, 1091-1096.	1.0	55
5	Magnitude conversion to unified moment magnitude using orthogonal regression relation. Journal of Asian Earth Sciences, 2012, 50, 44-51.	1.0	52
6	Occurrence of low stress drop earthquakes in the Garhwal Himalaya region. Physics of the Earth and Planetary Interiors, 1994, 85, 265-272.	0.7	51
7	Probabilistic Seismic Hazard Assessment for Northeast India Region. Pure and Applied Geophysics, 2016, 173, 2653-2670.	0.8	51
8	Estimation of Seismic Hazard Parameters for the Himalayas and its Vicinity from Complete Data Files. Pure and Applied Geophysics, 1998, 152, 267-279.	0.8	49
9	Seismic Zonation of the Delhi Region for Bedrock Ground Motion. Pure and Applied Geophysics, 2003, 160, 2381-2398.	0.8	48
10	General Orthogonal Regression Relations between Body-Wave and Moment Magnitudes. Seismological Research Letters, 2013, 84, 219-224.	0.8	47
11	Earthquake Hazard Assessment for Dehradun, Uttarakhand, India, Including a Characteristic Earthquake Recurrence Model for the Himalaya Frontal Fault (HFF). Pure and Applied Geophysics, 2012, 169, 1601-1617.	0.8	32
12	Unbiased Estimation of Moment Magnitude from Body- and Surface-Wave Magnitudes. Bulletin of the Seismological Society of America, 2014, 104, 1802-1811.	1.1	25
13	Seismic Hazard in the Northern India Region. Seismological Research Letters, 2003, 74, 141-147.	0.8	24
14	Uncertainties in the estimation of M max. Journal of Earth System Science, 2008, 117, 671-682.	0.6	24
15	A Seismological Report on the 26 January 2001 Bhuj, India Earthquake. Seismological Research Letters, 2002, 73, 343-355.	0.8	23
16	Probabilistic Seismic Hazard Assessment for Iraq Using Complete Earthquake Catalogue Files. Pure and Applied Geophysics, 2005, 162, 951-966.	0.8	20
17	Temporal and spatial variations in the magnitude of completeness for homogenized moment magnitude catalogue for northeast India. Journal of Earth System Science, 2012, 121, 19-28.	0.6	19
18	Study of effect of seismic displacements on landslide susceptibility zonation (LSZ) in Garhwal Himalayan region of India using GIS and remote sensing techniques. Computers and Geosciences, 2013, 61, 50-63.	2.0	19

#	Article	IF	Citations
19	Potential of SAR intensity tracking technique to estimate displacement rate in a landslide-prone area in Haridwar region, India. Natural Hazards, 2015, 79, 2101-2121.	1.6	19
20	Homogenization of Earthquake Catalog for Northeast India and Adjoining Region. Pure and Applied Geophysics, 2012, 169, 725-731.	0.8	18
21	Recent earthquake swarms in Garhwal Himalaya: A precursor to moderate to great earthquakes in the region. Journal of Asian Earth Sciences, 2011, 42, 1179-1186.	1.0	17
22	Usefulness of synthetic aperture radar (SAR) interferometry for digital elevation model (DEM) generation and estimation of land surface displacement in Jharia coal field area. Geocarto International, 2012, 27, 57-77.	1.7	16
23	Damage Survey Report for Sikkim Earthquake of 18 September 2011. Seismological Research Letters, 2013, 84, 49-56.	0.8	15
24	Earthquake ground motion predictive equations for Garhwal Himalaya, India. Soil Dynamics and Earthquake Engineering, 2014, 66, 135-148.	1.9	15
25	Run-up and Inundation Pattern Developed During the Indian Ocean Tsunami of December 26, 2004 Along the Coast of Tamilnadu (India). Gondwana Research, 2005, 8, 611-616.	3.0	14
26	Attenuation of high-frequency P and S waves in Garhwal Himalaya, India. Tectonophysics, 2014, 636, 216-227.	0.9	14
27	Inclusion of earthquake strong ground motion in a geographic information system-based landslide susceptibility zonation in Garhwal Himalayas. Natural Hazards, 2013, 65, 739-765.	1.6	13
28	Relationship between shear velocity and SPT resistance for sandy soils in the Ganga basin. International Journal of Geotechnical Engineering, 2013, 7, 63-70.	1.1	12
29	Reply to â€˜Comment on â€œMagnitude conversion problem using general orthogonal regressionâ€•by H. R. Wason, Ranjit Das and M. L. Sharmaâ€™ by Paolo Gasperini and Barbara Lolli. Geophysical Journal International, 2014, 196, 628-631.	1.0	8
30	Surface displacement estimation using space-borne SAR interferometry in a small portion along Himalayan Frontal Fault. Optics and Lasers in Engineering, 2014, 53, 164-178.	2.0	8
31	Multi-parameter algorithm for Earthquake Early Warning. Geomatics, Natural Hazards and Risk, 2016, 7, 1242-1264.	2.0	8
32	Strong ground-motion prediction and uncertainties estimation for Delhi, India. Natural Hazards, 2011, 59, 617-637.	1.6	7
33	Surface displacement estimation along Himalayan frontal fault using differential SAR interferometry. Natural Hazards, 2012, 64, 1105-1123.	1.6	7
34	Probabilistic Models For Earthquakes With Large Return Periods In Himalaya Region. Pure and Applied Geophysics, 2017, 174, 4313-4327.	0.8	7
35	Reply to â€œComment on â€˜Unbiased Estimation of Moment Magnitude from Bodyâ€•and Surfaceâ€Wave Magnitudesâ€™ by R. Das, H. R. Wason, and M. L. Sharma and â€˜Comparative Analysis of Regression Methods Used for Seismic Magnitude Conversionsâ€™ by P. Gasperini, B. Lolli, and S. Castellaroâ€•by J. Pujol. Bulletin of the Seismological Society of America, 2018, 108, 540-547.	1.1	6
36	Cyclic behavior of seismogenic sources in India and use of ANN for its prediction. Natural Hazards, 2010, 55, 389-404.	1.6	5

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37	Tsunami Intensity Mapping Along the Coast of Tamilnadu (India) During the Deadliest Indian Ocean Tsunami of December 26, 2004. Pure and Applied Geophysics, 2006, 163, 1279-1304.	0.8	4
38	Reply to "Comment on 'General Orthogonal Regression Relations between Body-Wave and Moment Magnitudes' by Ranjit Das, H. R. Wason, and M. L. Sharma" by Paolo Gasperini and Barbara Lolli. Seismological Research Letters, 2014, 85, 352-353.	0.8	4