Supriyo Mitra

List of Publications by Year
in descending order

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30 papers	1,126 citations	430874 18 h-index	477307 29 g-index
39 all docs	39 docs citations	39 times ranked	827 citing authors

#	Article	IF	Citations
1	Crustal structure and earthquake focal depths beneath northeastern India and southern Tibet. Geophysical Journal International, 2004, 160, 227-248.	2.4	221
2	Configuration of the Indian Moho beneath the NW Himalaya and Ladakh. Geophysical Research Letters, 2006, 33, .	4.0	155
3	Crustal structure of the Darjeeling-Sikkim Himalaya and southern Tibet. Geophysical Journal International, 2011, 184, 829-852.	2.4	88
4	Shear-Wave Structure of the South Indian Lithosphere from Rayleigh Wave Phase-Velocity Measurements. Bulletin of the Seismological Society of America, 2006, 96, 1551-1559.	2.3	75
5	Variation of Rayleigh wave group velocity dispersion and seismic heterogeneity of the Indian crust and uppermost mantle. Geophysical Journal International, 2006, 164, 88-98.	2.4	53
6	Seismotectonics of the eastern Himalayan and indo-burman plate boundary systems. Tectonics, 2015, 34, 2279-2295.	2.8	48
7	Crustal Structure and Evolution of the Eastern Himalayan Plate Boundary System, Northeast India. Journal of Geophysical Research: Solid Earth, 2018, 123, 621-640.	3.4	43
8	Active faulting in apparently stable peninsular India: Rift inversion and a Holoceneâ€age great earthquake on the Tapti Fault. Journal of Geophysical Research: Solid Earth, 2014, 119, 6650-6666.	3.4	40
9	Crustal Structure of the Western Bengal Basin from Joint Analysis of Teleseismic Receiver Functions and Rayleigh-Wave Dispersion. Bulletin of the Seismological Society of America, 2008, 98, 2715-2723.	2.3	38
10	Microtremor survey in Talchir, India to ascertain its basin characteristics in terms of predominant frequency by Nakamura's ratio technique. Engineering Geology, 2009, 106, 123-132.	6.3	37
11	Deformation Pattern of the NW Terrane Boundary of the Eastern Ghats Mobile Belt, India: A Tectonic Model and Correlation with Antarctica. Gondwana Research, 2002, 5, 45-52.	6.0	35
12	Active transverse faulting within underthrust Indian crust beneath the Sikkim Himalaya. Geophysical Journal International, 2015, 201, 1072-1083.	2.4	32
13	The Himalayan foreland basin crust and upper mantle. Physics of the Earth and Planetary Interiors, 2011, 184, 34-40.	1.9	31
14	The crustal structure of the Himalaya: A synthesis. Geological Society Special Publication, 2019, 483, 483-516.	1.3	26
15	Frequency-Dependent Lg Attenuation in the Indian Platform. Bulletin of the Seismological Society of America, 2006, 96, 2449-2456.	2.3	24
16	Anomalous surface wave dispersion and the enigma of â€œcontinental-likeâ€•structure for the Bay of Bengal. Journal of Asian Earth Sciences, 2011, 42, 1243-1255.	2.3	24
17	Signatures of the Existence of Frontal and Lateral Ramp Structures Near the Kishtwar Window of the Jammu and Kashmir Himalaya: Evidence From Microseismicity and Source Mechanisms. Geochemistry, Geophysics, Geosystems, 2018, 19, 3097-3114.	2.5	23
18	Lithospheric S-Wave Velocity Structure of the Bastar Craton, Indian Peninsula, from Surface-Wave Phase-Velocity Measurements. Bulletin of the Seismological Society of America, 2009, 99, 2502-2508.	2.3	22

#	Article	IF	Citations
19	Threeâ€Dimensional Crustal Architecture Beneath the Sikkim Himalaya and Its Relationship to Active Deformation. Journal of Geophysical Research: Solid Earth, 2017, 122, 7860-7878.	3.4	18
20	The 2015 April 25 Gorkha (Nepal) earthquake and its aftershocks: implications for lateral heterogeneity on the Main Himalayan Thrust. Geophysical Journal International, 2017, 208, 992-1008.	2.4	18
21	The shear wave velocity of the upper mantle beneath the Bay of Bengal, Northeast Indian Ocean from interstation phase velocities of surface waves. Geophysical Journal International, 2013, 193, 1506-1514.	2.4	17
22	Lateral variation of seismic attenuation in Sikkim Himalaya. Geophysical Journal International, 2017, 208, 257-268.	2.4	13
23	Source Parameters of the 1 May 2013 mb 5.7 Kishtwar Earthquake: Implications for Seismic Hazards. Bulletin of the Seismological Society of America, 2014, 104, 1013-1019.	2.3	11
24	Crustal anisotropy from shear-wave splitting of local earthquakes in the Garhwal Lesser Himalaya. Geophysical Journal International, 2019, 219, 2013-2033.	2.4	11
25	A reappraisal of the 2005 Kashmir (M 7.6) earthquake and its aftershocks: Seismotectonics of NW Himalaya. Tectonophysics, 2020, 789, 228501.	2.2	8
26	Seismic Attenuation of the Eastern Himalayan and Indoâ€Burman Plate Boundary Systems, Northeast India. Journal of Geophysical Research: Solid Earth, 2018, 123, 10,797.	3.4	5
27	Mapping of Coda-Wave Attenuation and Its Frequency Dependency Over Eastern Indian Shield. Pure and Applied Geophysics, 2019, 176, 5291-5313.	1.9	4
28	A Report on Broadband Seismological Experiment in the Jammu and Kashmir Himalaya (JAKSNET). Seismological Research Letters, 2020, 91, 1915-1926.	1.9	3
29	Hales Discontinuity in the Southern Indian Continental Lithosphere: Seismological and Petrological Models. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020564.	3.4	3
30	Deconvolution of Three-Component Teleseismic Data from Southern Tibet Using the SVA Technique. Bulletin of the Seismological Society of America, 2009, 99, 1973-1983.	2.3	0