Koushik Sen

List of Publications by Year
in descending order

30	466	623734	713466
papers	citations	14 h-index	21 g-index

32	32	32	367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding pre- and syn-orogenic tectonic evolution in western Himalaya through age and petrogenesis of Palaeozoic and Cenozoic granites from upper structural levels of Bhagirathi Valley, NW India. Geological Magazine, 2022, 159, 97-123.	1.5	8
2	Tectonothermal evolution of the Lohit Valley, Eastern Himalaya: New <scp>lowâ€temperature</scp> thermochronological constraints. Geological Journal, 2022, 57, 537-556.	1.3	4
3	Electron Backscatter Diffraction Study of Ultrahigh-Pressure Tso Morari Eclogites (Trans-Himalayan) Tj ETQq1 1 0.784314 rgBT /Overlock during Exhumation. Lithosphere, 2022, 2022, .	1.4	2
4	Forsterite reprecipitation and carbon dioxide entrapment in the lithospheric mantle during its interaction with carbonatitic melt: a case study from the Sung Valley ultramaficâ€“alkalineâ€“carbonatite complex, Meghalaya, NE India. Geological Magazine, 2021, 158, 475-486.	1.5	8
5	A Perspective on Rishiganga-Dhauliganga Flash Flood in the Nanda Devi Biosphere Reserve, Garhwal Himalaya, India. Journal of the Geological Society of India, 2021, 97, 335-338.	1.1	31
6	Application of anisotropy of magnetic susceptibility (AMS) in understanding regional deformation, fabric development and granite emplacement: examples from Indian cratons. Geological Society Special Publication, 2020, 489, 275-292.	1.3	4
7	Zircon Uâ€“Pb geochronology, mineral and wholeâ€rock geochemistry of the Khardung volcanics, Ladakh Himalaya, India: Implications for Late Cretaceous to Palaeogene continental arc magmatism. Geological Journal, 2020, 55, 3297-3320.	1.3	15
8	Evidence for late Quaternary brittle deformation and back thrusting within the Indus Suture Zone, Ladakh Himalaya. Tectonophysics, 2020, 792, 228597.	2.2	6
9	Petrology, geochemistry and geochronology of granites and granite gneisses in the SE Karakoram, India: Record of subduction-related and pre- to syn-kinematic magmatism in the Karakoram Fault Zone. Mineralogy and Petrology, 2020, 114, 413-434.	1.1	9
10	Characterizing anatexis in the Greater Himalayan Sequence (Kumaun, NW India) in terms of pressure, temperature, time and deformation. Lithos, 2019, 344-345, 22-50.	1.4	9
11	Age and geochemistry of the Paleoproterozoic Bhatwari Gneiss of Garhwal Lesser Himalaya, NW India: implications for the pre-Himalayan magmatic history of the Lesser Himalayan basement rocks. Geological Society Special Publication, 2019, 481, 319-339.	1.3	16
12	Migmatization and intrusion of â€œ<scp>S</scp>â€typeâ€granites in the transâ€<scp>H</scp>imalayan <scp>L</scp>adakh Magmatic Arc of north <scp>I</scp>ndia and their bearing on <scp>I</scp>ndoâ€<scp>E</scp>urasian collisional tectonics. Geological Journal, 2018, 53, 1543-1556.	1.3	15
13	U-Pb geochronology and geochemistry from the Kumaun Himalaya, NW India, reveal Paleoproterozoic arc magmatism related to formation of the Columbia supercontinent. Bulletin of the Geological Society of America, 2018, 130, 1164-1176.	3.3	34
14	Detection of a weak late-stage deformation event in granitic gneiss through anisotropy of magnetic susceptibility: implications for tectonic evolution of the Bomdila Gneiss in the Arunachal Lesser Himalaya, Northeast India. Geological Magazine, 2017, 154, 476-490.	1.5	10
15	Seismotectonics of the Trans-Himalaya, Eastern Ladakh, India: Constraints from moment tensor solutions of local earthquake data. Tectonophysics, 2017, 698, 38-46.	2.2	17
16	Seismic properties of naturally deformed quartzites of the Alaknanda valley, Garhwal Himalaya, India. Journal of Earth System Science, 2015, 124, 1159-1175.	1.3	3
17	40Arâ€“39Ar age constraint on deformation and brittleâ€“ductile transition of the Main Central Thrust and the South Tibetan Detachment zone from Dhauliganga valley, Garhwal Himalaya, India. Journal of Geodynamics, 2015, 88, 1-13.	1.6	20
18	Characterizing the intracrustal low velocity zone beneath northwest Indiaâ€“Asia collision zone. Geophysical Journal International, 2014, 199, 1338-1353.	2.4	29

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19	Interplay of deformation and magmatism in the Pangong Transpression Zone, eastern Ladakh, India: Implications for remobilization of the trans-Himalayan magmatic arc and initiation of the Karakoram Fault. Journal of Structural Geology, 2014, 62, 13-24.	2.3	19
20	Reply to comment on â€œInterplay of deformation and magmatism in the Pangong Transpressional Zone, Eastern Ladakh, India: Implications for remobilization of the trans-Himalayan magmatic arc and initiation of the Karakoram Faultâ€• Journal of Structural Geology, 2014, 65, 120-122.	2.3	1
21	Bimodal stable isotope signatures of Zildat Ophiolitic MÃ©lange, Indus Suture Zone, Himalaya: implications for emplacement of an ophiolitic mÃ©lange in a convergent setup. International Journal of Earth Sciences, 2013, 102, 2033-2042.	1.8	15
22	Dextral transpression and late Eocene magmatism in the trans-Himalayan Ladakh Batholith (North) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 International Journal of Earth Sciences, 2013, 102, 1895-1909.	1.8	17
23	Reply to comment on â€œDextral transpression and late-Eocene magmatism in the trans-Himalayan Ladakh Batholith (North India): implications for tectono-magmatic evolution of the Indo-Eurasian collisional arcâ€• International Journal of Earth Sciences, 2013, 102, 973-975.	1.8	1
24	Exhumation history of the Karakoram fault zone mylonites: New constraints from microstructures, fluid inclusions, and 40Ar-39Ar analyses. Lithosphere, 2012, 4, 230-241.	1.4	12
25	Composite mesoscopic and magnetic fabrics of the Paleo-Proterozoic Wangtu Gneissic Complex, Himachal Himalaya, India: Implications for ductile deformation and superposed folding of the Himalayan basement rocks. Journal of Geodynamics, 2012, 61, 81-93.	1.6	14
26	Modification of fabric in pre-Himalayan granitic rocks by post-emplacement ductile deformation: insights from microstructures, AMS, and Uâ€“Pb geochronology of the Paleozoic Kinnaur Kailash Granite and associated Cenozoic leucogranites of the South Tibetan Detachment zone, Himachal High Himalaya. International Journal of Earth Sciences, 2012, 101, 761-772.	1.8	29
27	Influence of magnetic fabric anisotropy on seismic wave velocity in paramagnetic granites from NW Himalaya: Results from preliminary investigations. Journal of the Geological Society of India, 2010, 76, 322-330.	1.1	1
28	Magnetic fabric, shape preferred orientation and regional strain in granitic rocks. Journal of Structural Geology, 2006, 28, 1870-1882.	2.3	71
29	Degree of magnetic anisotropy as a strain intensity gauge in ferromagnetic granites. Journal of the Geological Society, 2005, 162, 583-586.	2.1	44
30	Pyroxenite hosted chalcopyrites from Sung valley, Meghalaya, NE India: Implications for formation of both high- and low-temperature sulphides in plume derived magma. Geological Society Special Publication, 0, , SP518-2020-183.	1.3	2