

Koushik Sen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

466
citations

623734

14
h-index

713466

21
g-index

32
all docs

32
docs citations

32
times ranked

367
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic fabric, shape preferred orientation and regional strain in granitic rocks. <i>Journal of Structural Geology</i> , 2006, 28, 1870-1882.	2.3	71
2	Degree of magnetic anisotropy as a strain intensity gauge in ferromagnetic granites. <i>Journal of the Geological Society</i> , 2005, 162, 583-586.	2.1	44
3	U-Pb geochronology and geochemistry from the Kumaun Himalaya, NW India, reveal Paleoproterozoic arc magmatism related to formation of the Columbia supercontinent. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 1164-1176.	3.3	34
4	A Perspective on Rishiganga-Dhauliganga Flash Flood in the Nanda Devi Biosphere Reserve, Garhwal Himalaya, India. <i>Journal of the Geological Society of India</i> , 2021, 97, 335-338.	1.1	31
5	Modification of fabric in pre-Himalayan granitic rocks by post-emplacement ductile deformation: insights from microstructures, AMS, and U-Pb geochronology of the Paleozoic Kinnaur Kailash Granite and associated Cenozoic leucogranites of the South Tibetan Detachment zone, Himachal High Himalaya. <i>International Journal of Earth Sciences</i> , 2012, 101, 761-772.	1.8	29
6	Characterizing the intracrustal low velocity zone beneath northwest India-Asia collision zone. <i>Geophysical Journal International</i> , 2014, 199, 1338-1353.	2.4	29
7	^{40}Ar - ^{39}Ar age constraint on deformation and brittle-ductile transition of the Main Central Thrust and the South Tibetan Detachment zone from Dhauliganga valley, Garhwal Himalaya, India. <i>Journal of Geodynamics</i> , 2015, 88, 1-13.	1.6	20
8	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. <i>Journal of Structural Geology</i> , 2014, 62, 13-24.	2.3	19
9	Dextral transpression and late Eocene magmatism in the trans-Himalayan Ladakh Batholith (North) Tj ETQq1 1 0.784314 rgBT /Overlo <i>International Journal of Earth Sciences</i> , 2013, 102, 1895-1909.	1.8	17
10	Seismotectonics of the Trans-Himalaya, Eastern Ladakh, India: Constraints from moment tensor solutions of local earthquake data. <i>Tectonophysics</i> , 2017, 698, 38-46.	2.2	17
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. <i>Geological Society Special Publication</i> , 2019, 481, 319-339.	1.3	16
12	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. <i>International Journal of Earth Sciences</i> , 2013, 102, 2033-2042.	1.8	15
13	Migmatization and intrusion of S -type granites in the trans-Himalayan Ladakh Magmatic Arc of north India and their bearing on Indo-Eurasian collisional tectonics. <i>Geological Journal</i> , 2018, 53, 1543-1556.	1.3	15
14	Zircon U-Pb geochronology, mineral and whole-rock geochemistry of the Khardung volcanics, Ladakh Himalaya, India: Implications for Late Cretaceous to Palaeogene continental arc magmatism. <i>Geological Journal</i> , 2020, 55, 3297-3320.	1.3	15
15	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. <i>Journal of Geodynamics</i> , 2012, 61, 81-93.	1.6	14
16	Exhumation history of the Karakoram fault zone mylonites: New constraints from microstructures, fluid inclusions, and ^{40}Ar - ^{39}Ar analyses. <i>Lithosphere</i> , 2012, 4, 230-241.	1.4	12
17	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. <i>Geological Magazine</i> , 2017, 154, 476-490.	1.5	10
18	Characterizing anatexis in the Greater Himalayan Sequence (Kumaun, NW India) in terms of pressure, temperature, time and deformation. <i>Lithos</i> , 2019, 344-345, 22-50.	1.4	9

#	ARTICLE	IF	CITATIONS
19	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. <i>Mineralogy and Petrology</i> , 2020, 114, 413-434.	1.1	9
20	Forsterite reprecipitation and carbon dioxide entrapment in the lithospheric mantle during its interaction with carbonatitic melt: a case study from the Sung Valley ultramafic-alkaline-carbonatite complex, Meghalaya, NE India. <i>Geological Magazine</i> , 2021, 158, 475-486.	1.5	8
21	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. <i>Geological Magazine</i> , 2022, 159, 97-123.	1.5	8
22	Evidence for late Quaternary brittle deformation and back thrusting within the Indus Suture Zone, Ladakh Himalaya. <i>Tectonophysics</i> , 2020, 792, 228597.	2.2	6
23	Application of anisotropy of magnetic susceptibility (AMS) in understanding regional deformation, fabric development and granite emplacement: examples from Indian cratons. <i>Geological Society Special Publication</i> , 2020, 489, 275-292.	1.3	4
24	Tectonothermal evolution of the Lohit Valley, Eastern Himalaya: New low-temperature thermochronological constraints. <i>Geological Journal</i> , 2022, 57, 537-556.	1.3	4
25	Seismic properties of naturally deformed quartzites of the Alaknanda valley, Garhwal Himalaya, India. <i>Journal of Earth System Science</i> , 2015, 124, 1159-1175.	1.3	3
26	Pyroxenite hosted chalcopyrites from Sung valley, Meghalaya, NE India: Implications for formation of both high- and low-temperature sulphides in plume derived magma. <i>Geological Society Special Publication</i> , 0, , SP518-2020-183.	1.3	2
27	Electron Backscatter Diffraction Study of Ultrahigh-Pressure Tso Moriri Eclogites (Trans-Himalayan) during Exhumation. <i>Lithosphere</i> , 2022, 2022, .	1.4	2
28	Influence of magnetic fabric anisotropy on seismic wave velocity in paramagnetic granites from NW Himalaya: Results from preliminary investigations. <i>Journal of the Geological Society of India</i> , 2010, 76, 322-330.	1.1	1
29	Reply to comment on "Dextral transpression and late-Eocene magmatism in the trans-Himalayan Ladakh Batholith (North India): implications for tectono-magmatic evolution of the Indo-Eurasian collisional arc". <i>International Journal of Earth Sciences</i> , 2013, 102, 973-975.	1.8	1
30	Reply to comment on "Interplay 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 Fault". <i>Journal of Structural Geology</i> , 2014, 65, 120-122.	2.3	1