Santanu K Bhowmik

List of Publications by Year
in descending order

31	1,625	279798 23	454955 30
papers	citations	h-index	g-index

31	31	31	728
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Growth of the Greater Indian Landmass and its assembly in Rodinia: Geochronological evidence from the Central Indian Tectonic Zone. Gondwana Research, 2012, 22, 54-72.	6.0	167
2	Grenvillian age high-pressure upper amphibolite-granulite metamorphism in the Aravalli-Delhi Mobile Belt, Northwestern India: New evidence from monazite chemical age and its implication. Precambrian Research, 2010, 178, 168-184.	2.7	154
3	Petro-tectonic Imprints in the Sapphirine Granulites from Anantagiri, Eastern Ghats Mobile Belt, India. Journal of Petrology, 1990, 31, 971-996.	2.8	123
4	Mesoproterozoic Reworking of Palaeoproterozoic Ultrahigh-temperature Granulites in the Central Indian Tectonic Zone and its Implications. Journal of Petrology, 2005, 46, 1085-1119.	2.8	101
5	Zoned Monazite and Zircon as Monitors for the Thermal History of Granulite Terranes: an Example from the Central Indian Tectonic Zone. Journal of Petrology, 2014, 55, 585-621.	2.8	98
6	Tectonothermal evolution of the Banded Gneissic Complex in central Rajasthan, NW India: Present status and correlation. Journal of Asian Earth Sciences, 2012, 49, 339-348.	2.3	83
7	âˆ¼1.6â€‰Ga ultrahighâ€temperature granulite metamorphism in the Central Indian Tectonic Zone: insights from metamorphic reaction history, geothermobarometry and monazite chemical ages. Geological Journal, 2011, 46, 198-216.	1.3	81
8	Zircon Uâ€Pb/Luâ€Hf and monazite chemical dating of the Tirodi biotite gneiss: implication for latest Palaeoproterozoic to Early Mesoproterozoic orogenesis in the Central Indian Tectonic Zone. Geological Journal, 2011, 46, 574-596.	1.3	77
9	Garnetiferous Metabasites from the Sausar Mobile Belt: Petrology, P-T Path and Implications for the Tectonothermal Evolution of the Central Indian Tectonic Zone. Journal of Petrology, 2003, 44, 387-420.	2.8	73
10	The current status of orogenesis in the Central Indian Tectonic Zone: A view from its Southern Margin. Geological Journal, 2019, 54, 2912-2934.	1.3	68
11	Tectonic Evolution of the Western Margin of the Burma Microplate Based on New Fossil and Radiometric Age Constraints. Tectonics, 2019, 38, 1718-1741.	2.8	59
12	Cold subduction of the Neotethys: the metamorphic record from finely banded lawsonite and epidote blueschists and associated metabasalts of the Nagaland Ophiolite Complex, India. Journal of Metamorphic Geology, 2014, 32, 829-860.	3.4	55
13	Contrasting Episodes of Regional Granulite-Facies Metamorphism in Enclaves and Host Gneisses from the Aravalliâ€“Delhi Mobile Belt, NW India. Journal of Petrology, 2008, 49, 107-128.	2.8	52
14	Multicomponent diffusion in garnets I: general theoretical considerations and experimental data for Feâ€“Mg systems. Contributions To Mineralogy and Petrology, 2012, 164, 571-586.	3.1	49
15	Extremely high-temperature calcareous granulites from the Eastern Ghats, India: Evidence for isobaric cooling, fluid buffering, and terminal channelized fluid flow. European Journal of Mineralogy, 1995, 7, 689-704.	1.3	45
16	Constraining the metamorphic evolution of a cryptic hot Mesoproterozoic orogen in the Central Indian Tectonic Zone, using Pâ€“T pseudosection modelling of mafic intrusions and host reworked granulites. Precambrian Research, 2008, 162, 128-149.	2.7	38
17	Petrology of a non-classical Barrovian inverted metamorphic sequence from the western Arunachal Himalaya, India. Journal of Asian Earth Sciences, 2009, 36, 390-406.	2.3	38
18	Archaean granulite facies metamorphism at the Singhbhum Cratonâ€“Eastern Ghats Mobile Belt interface: implication for the Ur supercontinent assembly. Geological Journal, 2012, 47, 312-333.	1.3	38

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19	Constraining the prograde and retrograde P-T paths of granulites using decomposition of initially zoned garnets: an example from the Central Indian Tectonic Zone. Contributions To Mineralogy and Petrology, 2004, 147, 581-603.	3.1	37
20	Thermal history of a Late Mesoproterozoic paired metamorphic belt (?) during Rodinia assembly: New insight from medium-pressure granulites from the Aravalli-Delhi Mobile Belt, Northwestern India. Geoscience Frontiers, 2018, 9, 335-354.	8.4	35
21	Tectonothermal evolution of the Central Indian Tectonic Zone and its implications for Proterozoic supercontinent assembly: the current status. Episodes, 2020, 43, 132-144.	1.2	33
22	The Eastern Ghats Belt, India, in the context of supercontinent assembly. Geological Society Special Publication, 2017, 457, 87-104.	1.3	32
23	Sequential kinetic modelling: A new tool decodes pulsed tectonic patterns in early hot orogens of Earth. Earth and Planetary Science Letters, 2017, 460, 171-179.	4.4	27
24	Proterozoic Tectonics and Trans-Indian Mobile Belts: A Status Report. Proceedings of the Indian National Science Academy, 2016, 82, .	1.4	15
25	P-T-melt/fluid evolution of abyssal mantle peridotites from the Nagaland Ophiolite Complex, NE India: Geodynamic significance. Lithos, 2020, 354-355, 105344.	1.4	14
26	Burial of thermally perturbed Lesser Himalayan mid-crust: Evidence from petrochemistry and Pâ€“T estimation of the western Arunachal Himalaya, India. Lithos, 2014, 208-209, 298-311.	1.4	13
27	Tectonic framework of the highâ€pressure metamorphic rocks of the Nagaland Ophiolite Complex, <scp>Northâ€east</scp> India, and its geodynamic significance: A review. Geological Journal, 2022, 57, 727-748.	1.3	8
28	Ultrapotassic Rocks along Late Ductile Shear Zones from the Eastern Ghats Belt, India. Gondwana Research, 2000, 3, 55-63.	6.0	7
29	Reply to discussion of the current status of orogenesis in the Central Indian Tectonic Zone: A view from its southern margin. Geological Journal, 2020, 55, 4051-4054.	1.3	2
30	Types of Metamorphism. , 2021, , 354-365.		2
31	Transition in Thermal History and Recurring Burial-Exhumation Cycles along Colder Thermal Gradients at the Archaean-Proterozoic Boundary: New Insights from the Western Dharwar Craton, South India. Journal of Petrology, 2022, 63, .	2.8	1