

Santosh K Rai

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

507
citations

1163117

8
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

717
citing authors

#	ARTICLE	IF	CITATIONS
1	Sr and Nd isotopes in river sediments from the Ganga Basin: Sediment provenance and spatial variability in physical erosion. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	143
2	Dissolved inorganic carbon (DIC) and its $\delta^{13}\text{C}$ in the Ganga (Hooghly) River estuary, India: Evidence of DIC generation via organic carbon degradation and carbonate dissolution. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 165, 226-248.	3.9	88
3	Chemical weathering in the plain and peninsular sub-basins of the Ganga: Impact on major ion chemistry and elemental fluxes. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2340-2355.	3.9	61
4	Stable ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) isotopes and magnetic susceptibility record of late Holocene climate change from a lake profile of the northeast Himalaya. <i>Journal of the Geological Society of India</i> , 2015, 86, 696-705.	1.1	45
5	Petrology of blueschist from the Western Himalaya (Ladakh, NW India): Exploring the complex behavior of a lawsonite-bearing system in a paleo-accretionary setting. <i>Lithos</i> , 2016, 252-253, 41-56.	1.4	40
6	Stable isotopes ($\delta^{13}\text{C}$ DIC, δ^{D} , $\delta^{18}\text{O}$) and geochemical characteristics of geothermal springs of Ladakh and Himachal (India): Evidence for CO_2 discharge in northwest Himalaya. <i>Geothermics</i> , 2016, 64, 314-330.	3.4	37
7	Temporal variation in Sr and $^{87}\text{Sr}/^{86}\text{Sr}$ of the Brahmaputra: Implications for annual fluxes and tracking flash floods through chemical and isotope composition. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, .	2.5	32
8	Quantification of source contributions to the water budgets of the Ganga (Hooghly) River estuary, India. <i>Marine Chemistry</i> , 2018, 207, 42-54.	2.3	9
9	High-altitude meteorology of Indian Himalayan Region: complexities, effects, and resolutions. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 654.	2.7	8
10	The Role of Sulfuric Acid in Continental Weathering: Insights From Dissolved Major Ions and Inorganic Carbon Isotopes of the Teesta River, Lower Brahmaputra System. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009324.	2.5	7
11	Metamorphic P-T conditions and CO_2 influx history of medium-grade metapelites from Karakorum, Trans-Himalaya, India. <i>Journal of Asian Earth Sciences</i> , 2016, 124, 126-138.	2.3	6
12	Response of shallow-sea benthic foraminifera to environmental changes off the coast of Goa, eastern Arabian Sea, during the last ~ 146100 cal yr BP. <i>Geological Magazine</i> , 2020, 157, 497-505.	1.5	6
13	Changes in Deep-Sea Oxygenation in the Northeast Pacific Ocean During 32-10 ka. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086613.	4.0	6
14	Assessment of water recharge source of geothermal systems in Garhwal Himalaya (India). <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	4
15	Estimation of groundwater temperature from ^{18}O fractionation - A deterministic analytical model. <i>Groundwater for Sustainable Development</i> , 2019, 9, 100234.	4.6	3
16	Chemical weathering and Sr flux from the silicate lithology dominated fluvial system: Insights from major ions, dissolved Sr and $^{87}\text{Sr}/^{86}\text{Sr}$ of the Teesta headwaters, Sikkim Himalaya. <i>Applied Geochemistry</i> , 2022, 137, 105171.	3.0	3
17	A Laser Based Fluorination (BrF_5) System for the Extraction of Oxygen (O_2) from Silicate Rocks of Himalaya and ^{18}O Measurements: Method Establishment and Implications. <i>Mapan - Journal of Metrology Society of India</i> , 2015, 30, 221-230.	1.5	2
18	An experimental approach to estimate groundwater temperature from ^{18}O fractionation. <i>Groundwater for Sustainable Development</i> , 2019, 9, 100257.	4.6	2

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19	Geochemical and Isotopic Composition of Gypsum Deposits from Sahastradhara Region of Lesser Himalaya, India. Journal of the Geological Society of India, 2020, 95, 205-211.	1.1	2
20	Paleomonsoonal shifts during ~ 13700 to 3100 yr BP in the central Ganga Basin, India with a severe arid phase at ~ 4.2 ka. Quaternary International, 2021, , .	1.5	2
21	Fluid inclusion study of the Higher Himalayan quartzitic pelites, Garhwal Himalaya, India: Implications for recrystallization history of metasediments. Journal of the Geological Society of India, 2013, 82, 509-518.	1.1	1