Satadru Bhattacharya

List of Publications by Year
in descending order

21	162	1163117 8	1199594 12
papers	citations	h-index	g-index

23	23	23	189
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mineralogy of Mare Serenitatis on the near side of the Moon based on Chandrayaan-1 Moon Mineralogy Mapper (M3) observations. Icarus, 2013, 222, 137-148.	2.5	28
2	Jarosite occurrence in the Deccan Volcanic Province of Kachchh, western India: Spectroscopic studies on a Martian analog locality. Journal of Geophysical Research E: Planets, 2016, 121, 402-431.	3.6	22
3	Potential of Airborne Hyperspectral Data for Geo-Exploration over Parts of Different Geological/Metallogenic Provinces in India based on AVIRIS-NG Observations. Current Science, 2019, 116, 1143.	0.8	19
4	Generation of DEMs over A Part of Antarctica Using Altimetry Data and their Implications. Geocarto International, 2006, 21, 27-32.	3.5	15
5	Lithological mapping of central part of Mare Moscoviense using Chandrayaan-1 Hyperspectral Imager (HySI) data. Icarus, 2011, 212, 470-479.	2.5	14
6	Terrestrial Martian Analog Heritage of Kachchh Basin, Western India. Geoheritage, 2022, 14, 1.	2.8	12
7	Remote spectralâ€“compositional analysis of basalt mineralogy at Hansteenâ€Billy, Moon. Meteoritics and Planetary Science, 2018, 53, 2583-2595.	1.6	10
8	Origin of Indus ophiolite-hosted ophicarbonate veins: Isotopic evidence of mixing between seawater and continental crust-derived fluid during Neo-Tethys closure. Chemical Geology, 2020, 551, 119772.	3.3	9
9	Detection of hydroxyl-bearing exposures of possible magmatic origin on the central peak of crater Theophilus using Chandrayaan-1 Moon Mineralogy Mapper (M3) data. Icarus, 2015, 260, 167-173.	2.5	5
10	Spectral and chemical characterization of gypsumâ€phyllosilicate association in Tiruchirapalli, South India, and its implications. Geological Journal, 2018, 53, 1685-1697.	1.3	5
11	Geological insights into lunar floor-fractured crater Atlas. Icarus, 2021, 360, 114374.	2.5	4
12	Astrobiological implications of dim light phototrophy in deep-sea red clays. Life Sciences in Space Research, 2017, 12, 39-50.	2.3	3
13	Alteration and submergence of basalts in Kachchh, Gujarat, India: implications for the role of the Deccan Traps in the Indiaâ€“Seychelles break-up. Geological Society Special Publication, 2017, 445, 47-67.	1.3	3
14	Automated Large-Scale Mapping of the Jahazpur Mineralised Belt by a MapReduce Model with an Integrated ELM Method. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2022, 90, 191-209.	1.1	3
15	Authigenic Green Mica in Interflow Horizons within Late Cretaceous Deccan Volcanic Province, India and Its Genetic Implications. Minerals (Basel, Switzerland), 2022, 12, 198.	2.0	3
16	Synergistic Application of Optical and Radar Data for Archaeological Exploration in the Talakadu Region, Karnataka. Journal of the Indian Society of Remote Sensing, 2011, 39, 519-527.	2.4	2
17	Mineralogical and Textural Characteristics of Red Boles of Western Deccan Volcanic Province, India: Genetic and Paleoenvironmental Implications. Society of Earth Scientists Series, 2021, , 697-722.	0.3	2
18	Alternating direction method-based endmember extraction for a distributed fraction cover mapping of mineralogy at Jahazpur, India. Journal of Applied Remote Sensing, 2020, 14, .	1.3	2

#	Article	IF	Citations
19	Modelling basalt weathering at elevated CO2 concentrations: implications for terminal to post-magmatic rifting in the Deccan Traps, Kachchh, India. Geological Society Special Publication, 2018, 463, 227-241.	1.3	1
20	Spectral unmixing with hyperspectral datasets of AVIRIS-NG. , 2017, , .		0
21	Combined use of band shape algorithm, linear spectral un-mixing on Clementine & Moon Mineralogy Mapper data for identifying the imprints of magmatic differentiation â€“ A study around Aristarchus Plateau. Advances in Space Research, 2022, 69, 3164-3181.	2.6	0