

# Saumitra Mukherjee

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

773  
citations

623188

14  
h-index

525886

27  
g-index

38  
all docs

38  
docs citations

38  
times ranked

740  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating multivariate statistical analysis with GIS for geochemical assessment of groundwater quality in Shiwaliks of Punjab, India. <i>Environmental Earth Sciences</i> , 2011, 62, 1387-1405.	1.3	95
2	Application of remote sensing technology for land use/land cover change analysis. <i>Journal of the Indian Society of Remote Sensing</i> , 1999, 27, 123-128.	1.2	82
3	Hydrochemistry in integration with stable isotopes ( $\delta^{18}O$ and $\delta^2D$ ) to assess seawater intrusion in coastal aquifers of Kachchh district, Gujarat, India. <i>Journal of Geochemical Exploration</i> , 2019, 196, 42-56.	1.5	74
4	Identification and analysis of groundwater potential zones in Kenâ€“Betwa river linking area using remote sensing and geographic information system. <i>Geocarto International</i> , 2010, 25, 379-396.	1.7	63
5	Aqueous geochemistry of fluoride enriched groundwater in arid part of Western India. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2668-2678.	2.7	58
6	Fluoride enrichment in aquifers of the Thar Desert: controlling factors and its geochemical modelling. <i>Hydrological Processes</i> , 2013, 27, 2462-2474.	1.1	57
7	Characterization and evaluation of processes governing the groundwater quality in parts of the Sabarmati basin, Gujarat using hydrochemistry integrated with GIS. <i>Hydrological Processes</i> , 2012, 26, 1538-1551.	1.1	55
8	Flood frequency analysis of Ganga river at Haridwar and Garhmukteshwar. <i>Applied Water Science</i> , 2017, 7, 1979-1986.	2.8	40
9	Assessment of hydrogeochemistry and the quality of groundwater in 24-Parganas districts, West Bengal. <i>Environmental Earth Sciences</i> , 2015, 73, 375-386.	1.3	21
10	Determining the genetic origin of nitrate contamination in aquifers of Northern Gujarat, India. <i>Environmental Earth Sciences</i> , 2014, 71, 1711-1719.	1.3	20
11	Chemical signature detection of groundwater and geothermal waters for evidence of crustal deformation along fault zones. <i>Journal of Hydrology</i> , 2020, 582, 124459.	2.3	19
12	Identification of erosional and inundation hazard zones in Kenâ€“Betwa river linking area, India, using remote sensing and GIS. <i>Environmental Monitoring and Assessment</i> , 2011, 182, 341-360.	1.3	16
13	Hydrogeological processes controlling the release of arsenic in parts of 24 Parganas district, West Bengal. <i>Environmental Earth Sciences</i> , 2014, 72, 111-118.	1.3	16
14	Evaluation of the landslide susceptibility and its spatial difference in the whole Qinghai-Tibetan Plateau region by five learning algorithms. <i>Geoscience Letters</i> , 2022, 9, .	1.3	16
15	Removal of arsenic from groundwater in West Bengal, India using CuO nanoparticle adsorbent. <i>Environmental Earth Sciences</i> , 2015, 73, 3593-3601.	1.3	15
16	Geochemical Characterization and Controlling Factors of Chemical Composition of Spring Water in a Part of Eastern Himalaya. <i>Journal of the Geological Society of India</i> , 2018, 92, 753-763.	0.5	15
17	Land degradation analysis of mine-impacted zone of Kolubara in Serbia. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	14
18	Cosmic Influence on the Sun-Earth Environment. <i>Sensors</i> , 2008, 8, 7736-7752.	2.1	11

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19	Influence of changes in watershed landuse pattern on the wetland of Sultanpur National Park, Haryana using remote sensing techniques and hydrochemical analysis. Remote Sensing Applications: Society and Environment, 2017, 7, 84-92.	0.8	10
20	Hydrogeochemical processes controlling fluoride enrichment within alluvial and hard rock aquifers in a part of a semi-arid region of Northern India. Environmental Earth Sciences, 2018, 77, 1.	1.3	10
21	Drainage network extraction and morphometric analysis in an Iranian basin using integrating factor analysis and geospatial techniques. Geocarto International, 2022, 37, 896-925.	1.7	10
22	Morphological and morphometric analysis of a topographic depression near Huygens basin, Mars: Identification of a putative endorheic playa. Geomorphology, 2020, 351, 106912.	1.1	9
23	Assessment of rainwater harvesting sites in a part of North-West Delhi, India using geomatic tools. Environmental Earth Sciences, 2019, 78, 1.	1.3	7
24	Multivariate statistical analysis of relationship between tectonic activity and drainage behavior in Qorveh-Dehgolan basin Kurdistan, Iran. Geocarto International, 2021, 36, 540-562.	1.7	7
25	Monitoring change in land use and land cover in Rupnagar district of Punjab, India using Landsat and IRS LISS III satellite data. Ecological Questions, 0, 13, 73.	0.1	7
26	Influence of structural lineaments on drainage morphometry in Qorveh-Dehgolan basin, Kurdistan, Iran. Geocarto International, 2020, 35, 1722-1749.	1.7	6
27	Application of $m$ - $\chi$ Decomposition Technique on Mini-SAR Data to Understand Crater and Ejecta Morphology. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 73-76.	1.4	5
28	Comparative Analysis of Pixel and Object Based Classification Approach for Rapid Landslide Delineation with the Aid of Open Source Tools in Garhwal Himalaya. Journal of the Geological Society of India, 2020, 96, 65-72.	0.5	5
29	Climate changes instead of global warming. Thermal Science, 2014, 18, 1055-1061.	0.5	3
30	Investigation of mineral assemblages in a newly identified endorheic playa near Huygens basin on Mars and their astrobiological implications. Icarus, 2022, 372, 114757.	1.1	3
31	Identification of tectonic deformations on the south polar surface of the moon. Planetary and Space Science, 2015, 112, 46-52.	0.9	1
32	Assessing the key drivers of stream network configuration dynamics for tectonically active drainage basins using multitemporal satellite imagery and statistical analyses. Geocarto International, 0, , 1-32.	1.7	1
33	Tectonic and Manmade Changes in Hydrological System. International Journal of Hydrology, 2017, 1, .	0.2	1
34	Astrobiological Potential of Fe/Mg Smectites with Special Emphasis on Jezero Crater, Mars 2020 Landing Site. Astrobiology, 2022, , .	1.5	1
35	Hydrogeochemistry and Groundwater Quality Evaluation in a Part of Ratnagiri District Maharashtra. Indian Journal of Forestry, 2017, 40, 337-352.	0.1	0