

Dipankar Saha

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,453
citations

331670

21
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

1212
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction Modeling and Mapping of Groundwater Fluoride Contamination throughout India. <i>Environmental Science & Technology</i> , 2018, 52, 9889-9898.	10.0	148
2	Groundwater systems of the Indian Sub-Continent. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 1-14.	2.4	125
3	Validation of GRACE based groundwater storage anomaly using in-situ groundwater level measurements in India. <i>Journal of Hydrology</i> , 2016, 543, 729-738.	5.4	121
4	Groundwater vulnerability assessment using DRASTIC and Pesticide DRASTIC models in intense agriculture area of the Gangetic plains, India. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 8741-8763.	2.7	106
5	Solute chemistry and arsenic fate in aquifers between the Himalayan foothills and Indian craton (including central Gangetic plain): Influence of geology and geomorphology. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 90, 283-302.	3.9	98
6	Evaluation of hydrogeochemical processes in arsenic-contaminated alluvial aquifers in parts of Mid-Ganga Basin, Bihar, Eastern India. <i>Environmental Earth Sciences</i> , 2010, 61, 799-811.	2.7	84
7	Delineation of groundwater development potential zones in parts of marginal Ganga Alluvial Plain in South Bihar, Eastern India. <i>Environmental Monitoring and Assessment</i> , 2010, 165, 179-191.	2.7	68
8	Occurrence, predictors and hazards of elevated groundwater arsenic across India through field observations and regional-scale AI-based modeling. <i>Science of the Total Environment</i> , 2021, 759, 143511.	8.0	61
9	Synthetic Detergents (Surfactants) and Organochlorine Pesticide Signatures in Surface Water and Groundwater of Greater Kolkata, India. <i>Journal of Water Resource and Protection</i> , 2009, 01, 290-298.	0.8	57
10	Arsenic-safe alternate aquifers and their hydraulic characteristics in contaminated areas of Middle Ganga Plain, Eastern India. <i>Environmental Monitoring and Assessment</i> , 2011, 175, 331-348.	2.7	51
11	A decade of investigations on groundwater arsenic contamination in Middle Ganga Plain, India. <i>Environmental Geochemistry and Health</i> , 2016, 38, 315-337.	3.4	51
12	Active tectonics and geomorphology in the Sone-Ganga alluvial tract in mid-Ganga Basin, India. <i>Quaternary International</i> , 2010, 227, 116-126.	1.5	44
13	Spatio-temporal variability of groundwater storage in India. <i>Journal of Hydrology</i> , 2017, 544, 428-437.	5.4	44
14	Characterization of recharge processes in shallow and deeper aquifers using isotopic signatures and geochemical behavior of groundwater in an arsenic-enriched part of the Ganga Plain. <i>Applied Geochemistry</i> , 2011, 26, 432-443.	3.0	43
15	Determination of specific yield using a water balance approach – case study of Torla Odha watershed in the Deccan Trap province, Maharashtra State, India. <i>Hydrogeology Journal</i> , 2006, 14, 625-635.	2.1	32
16	Aquifer system response to intensive pumping in urban areas of the Gangetic plains, India: the case study of Patna. <i>Environmental Earth Sciences</i> , 2014, 71, 1721-1735.	2.7	32
17	Groundwater Resources of India: Potential, Challenges and Management. , 2019, , 19-42.		30
18	Isotope-based investigation on the groundwater flow and recharge mechanism in a hard-rock aquifer system: the case of Ranchi urban area, India. <i>Hydrogeology Journal</i> , 2013, 21, 1101-1115.	2.1	29

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19	Three decades of depth-dependent groundwater response to climate variability and human regime in the transboundary Indus-Ganges-Brahmaputra-Meghna mega river basin aquifers. <i>Advances in Water Resources</i> , 2021, 149, 103856.	3.8	29
20	Geomorphologic, stratigraphic and sedimentologic evidences of tectonic activity in Soneâ€“Ganga alluvial tract in Middle Ganga Plain, India. <i>Journal of Earth System Science</i> , 2014, 123, 1335-1347.	1.3	28
21	Role of shallow alluvial stratigraphy and Holocene geomorphology on groundwater arsenic contamination in the Middle Ganga Plain, India. <i>Environmental Earth Sciences</i> , 2015, 73, 3523-3536.	2.7	27
22	Genesis of Arsenicâ€“Rich Groundwater and the Search for Alternative Safe Aquifers in the Gangetic Plain, India. <i>Water Environment Research</i> , 2013, 85, 2254-2264.	2.7	26
23	Isotope and hydrochemical systematics of groundwater from a multi-tiered aquifer in the central parts of Indo-Gangetic Plains, India â€“ Implications for groundwater sustainability and security. <i>Science of the Total Environment</i> , 2021, 789, 147860.	8.0	22
24	Sone megafan: A non-Himalayan megafan of craton origin on the southern margin of the middle Ganga Basin, India. <i>Geomorphology</i> , 2015, 250, 349-369.	2.6	21
25	Deep Learning-Based Forecasting of Groundwater Level Trends in India: Implications for Crop Production and Drinking Water Supply. <i>ACS ES&T Engineering</i> , 2021, 1, 965-977.	7.6	17
26	Recent Hydrogeological Research in India. <i>Proceedings of the Indian National Science Academy</i> , 2016, 82, .	1.4	15
27	Assessment of surface and subsurface waterlogging, water level fluctuations, and lithological variations for evaluating groundwater resources in Ganga Plains. <i>International Journal of Digital Earth</i> , 2013, 6, 276-296.	3.9	12
28	Groundwater Resources and Sustainable Management Issues in India. <i>Springer Hydrogeology</i> , 2018, , 1-11.	0.3	11
29	Empirical Methods and Estimation of Hydraulic Conductivity of Fluvial Aquifers. <i>Environmental and Engineering Geoscience</i> , 2016, 22, 319-340.	0.9	8
30	Recharge mechanism and processes controlling groundwater chemistry in a Precambrian sedimentary terrain: a case study from Central India. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	8
31	Groundwater Arsenic Contamination and Availability of Safe Water for Drinking in Middle Ganga Plain in India. <i>Advances in Water Security</i> , 2020, , 1-41.	0.8	2
32	Role of measuring the aquifers for sustainably managing groundwater resource in India. , 2021, , 477-486.		1