Ajay K Kadam

List of Publications by Year in descending order

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37 papers	1,371 citations	411340 20 h-index	466096 32 g-index
38 all docs	38 docs citations	38 times ranked	998 citing authors

#	Article	IF	Citations
1	Delineation of groundwater potential zones using vertical electrical sounding (VES) in a complex bedrock geological setting of the West Coast of India. Modeling Earth Systems and Environment, 2022, 8, 2233-2247.	1.9	12
2	Assessing site suitability potential for soil and water conservation structures by using modified micro-watershed prioritization method: geomorphometric and geomatic approach. Environment, Development and Sustainability, 2022, 24, 4659-4683.	2.7	4
3	Integrated approach for the evaluation of groundwater quality through hydro geochemistry and human health risk from Shivganga river basin, Pune, Maharashtra, India. Environmental Science and Pollution Research, 2022, 29, 4311-4333.	2.7	39
4	Hydrogeochemical assessment of groundwater quality for drinking and irrigation purposes in western Coimbatore, South India. International Journal of Energy and Water Resources, 2022, 6, 475-494.	1.3	7
5	Applications of geospatial analysis and analytical hierarchy process to identify the groundwater recharge potential zones and suitable recharge structures in the Ajani-Jhiri watershed of north Maharashtra, India. Groundwater for Sustainable Development, 2022, 17, 100733.	2.3	20
6	Appraisal of groundwater from lithological diversity of the western coastal part, Maharashtra, India: An integrated hydrogeochemical, geospatial and statistical approaches. Marine Pollution Bulletin, 2022, 178, 113595.	2.3	5
7	Health risk assessment and prevalence of fluoride in groundwater around the geological diversity of Ambadongar South Gujarat, India. Human and Ecological Risk Assessment (HERA), 2021, 27, 1523-1542.	1.7	12
8	Land Suitability Analysis for Afforestation in Semi-arid Watershed of Western Ghat, India: A Groundwater Recharge Perspective. , 2021, 5, 136-148.		8
9	Seasonal variation in groundwater quality and beneficial use for drinking, irrigation, and industrial purposes from Deccan Basaltic Region, Western India. Environmental Science and Pollution Research, 2021, 28, 26082-26104.	2.7	29
10	Seasonal assessment of groundwater contamination, health risk and chemometric investigation for a hard rock terrain of western India. Environmental Earth Sciences, 2021, 80, 1.	1.3	25
11	Identification of artificial groundwater recharge zones in semi-arid region of southern India using geospatial and integrated decision-making approaches. Environmental Challenges, 2021, 5, 100278.	2.0	10
12	Geochemical mobility of ions in groundwater from the tropical western coast of Maharashtra, India: implication to groundwater quality. Environment, Development and Sustainability, 2020, 22, 2591-2624.	2.7	68
13	Identification of groundwater recharge-based potential rainwater harvesting sites for sustainable development of a semiarid region of southern India using geospatial, AHP, and SCS-CN approach. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	68
14	Environmental modelling of soil quality, heavy-metal enrichment and human health risk in sub-urbanized semiarid watershed of western India. Modeling Earth Systems and Environment, 2020, 6, 545-556.	1.9	21
15	An implication of boron and fluoride contamination and its exposure risk in groundwater resources in semi-arid region, Western India. Environment, Development and Sustainability, 2020, 22, 7033-7056.	2.7	58
16	Hydrogeochemical characterization of groundwater from semiarid region of western India for drinking and agricultural purposes with special reference to water quality index and potential health risks assessment. Applied Water Science, 2020, 10, 1.	2.8	29
17	Evaluation of groundwater prolific zones in the unconfined basaltic aquifers of Western India using geospatial modeling and MIF technique. Modeling Earth Systems and Environment, 2020, 6, 1807-1821.	1.9	16
18	Study of groundwater contamination and drinking suitability in basaltic terrain of Maharashtra, India through PIG and multivariate statistical techniques. Journal of Water Supply: Research and Technology - AQUA, 2020, 69, 398-414.	0.6	50

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19	Temporal variations in hydro-geochemistry and potential health risk assessment of groundwater from lithological diversity of semi-arid region, Western Gujarat, India. Applied Water Science, 2020, 10, 1.	2.8	12
20	Evaluation of nutrient status of kale and spinach as affected by sewage sludge and mineral fertilizers. Journal of Plant Nutrition, 2020, 43, 2633-2644.	0.9	7
21	Assessment of recharge potential zones for groundwater development and management using geospatial and MCDA technologies in semiarid region of Western India. SN Applied Sciences, 2020, 2, 1.	1.5	27
22	Assessment of the groundwater geochemistry from a part of west coast of India using statistical methods and water quality index. HydroResearch, 2020, 3, 48-60.	1.7	43
23	Prediction of water quality index using artificial neural network and multiple linear regression modelling approach in Shivganga River basin, India. Modeling Earth Systems and Environment, 2019, 5, 951-962.	1.9	145
24	Identification of erosion-prone areas using modified morphometric prioritization method and sediment production rate: a remote sensing and GIS approach. Geomatics, Natural Hazards and Risk, 2019, 10, 986-1006.	2.0	54
25	Influence of hydro-geochemical processes on groundwater quality through geostatistical techniques in Kadava River basin, Western India. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	72
26	Groundwater vulnerability assessment using DRASTIC model: a comparative analysis of conventional, AHP, Fuzzy logic and Frequency ratio method. Modeling Earth Systems and Environment, 2019, 5, 543-553.	1.9	26
27	Integrated geophysical, geospatial and multiple-criteria decision analysis techniques for delineation of groundwater potential zones in a semi-arid hard-rock aquifer in Maharashtra, India. Hydrogeology Journal, 2019, 27, 639-654.	0.9	54
28	GIS-based multi-criteria approach for identification of rainwater harvesting zones in upper Betwa sub-basin of Madhya Pradesh, India. Environment, Development and Sustainability, 2019, 21, 777-797.	2.7	43
29	Hydrological response-based watershed prioritization in semiarid, basaltic region of western India using frequency ratio, fuzzy logic and AHP method. Environment, Development and Sustainability, 2019, 21, 1809-1833.	2.7	47
30	Characterization of Piospheres in Northern Liddar Valley of Kashmir Himalaya. Earth Systems and Environment, 2018, 2, 387-400.	3.0	7
31	Assessment of Soil Loss using Revised Universal Soil Loss Equation (RUSLE): A Remote Sensing and GIS Approach. , 2018, 2, 65-75.		17
32	Integrated Geomorphological, Geospatial and AHP Technique for Groundwater Prospects Mapping in Basaltic Terrain. , 2018, 2, 16-27.		25
33	Morphometric prioritization of semi-arid watershed for plant growth potential using GIS technique. Modeling Earth Systems and Environment, 2017, 3, 1663-1673.	1.9	35
34	Identifying Possible Locations to Construct Soil Water Conservation Structures by Using Hydrogeological and Geospatial Analysis. , 2017, 1, 18-27.		22
35	Identifying Potential Rainwater Harvesting Sites of a Semi-arid, Basaltic Region of Western India, Using SCS-CN Method. Water Resources Management, 2012, 26, 2537-2554.	1.9	147
36	Evaluating pollution potential of leachate from landfill site, from the Pune metropolitan city and its impact on shallow basaltic aquifers. Environmental Monitoring and Assessment, 2010, 162, 327-346.	1.3	106

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37	Morphometric characterization of sub-basins in a hard-rock aquifer system of Maharashtra, India, using geospatial and geostatistical tools. Applied Geomatics, 0, , 1.	1.2	0