Yashwant B Katpatal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3453552/publications.pdf

Version: 2024-02-01

36 papers	432 citations	687363 13 h-index	752698 20 g-index
37 all docs	37 docs citations	37 times ranked	534 citing authors

#	Article	IF	Citations
1	Impact of over-exploitation on groundwater quality: A case study from WR-2 Watershed, India. Journal of Earth System Science, 2014, 123, 1541-1566.	1.3	49
2	Development of GIS-based fuzzy pattern recognition model (modified DRASTIC model) for groundwater vulnerability to pollution assessment. International Journal of Environmental Science and Technology, 2015, 12, 3161-3174.	3.5	43
3	Surface- and Air-Temperature Studies in Relation to Land Use/Land Cover of Nagpur Urban Area Using Landsat 5TM Data. Journal of the Urban Planning and Development Division, ASCE, 2008, 134, 110-118.	1.7	38
4	Spatial distribution of metals in ground/surface waters in the Chandrapur district (Central India) and their plausible sources. Environmental Geology, 2009, 56, 1323-1352.	1.2	37
5	Spatial evaluation of impacts of increase in impervious surface area on SCS-CN and runoff in Nagpur urban watersheds, India. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	29
6	A GIS Based Design of Groundwater Level Monitoring Network Using Multi-Criteria Analysis and Geostatistical Method. Water Resources Management, 2017, 31, 4149-4163.	3.9	24
7	Urban Spatial Decision Support System for Municipal Solid Waste Management of Nagpur Urban Area Using High-Resolution Satellite Data and Geographic Information System. Journal of the Urban Planning and Development Division, ASCE, 2011, 137, 65-76.	1.7	23
8	Sensitivity of the Gravity Recovery and Climate Experiment (GRACE) to the complexity of aquifer systems for monitoring of groundwater. Hydrogeology Journal, 2018, 26, 933-943.	2.1	21
9	A groundwater flow model for overexploited basaltic aquifer and Bazada formation in India. Environmental Earth Sciences, 2014, 72, 4413-4425.	2.7	19
10	Optimization of groundwater level monitoring network using GIS-based geostatistical method and multi-parameter analysis: A case study in Wainganga Sub-basin, India. Chinese Geographical Science, 2017, 27, 201-215.	3.0	19
11	Groundwater Monitoring Using GRACE and GLDAS Data after Downscaling Within Basaltic Aquifer System. Ground Water, 2020, 58, 143-151.	1.3	17
12	Trends and Anomalies in Extreme Climate Indices and Influence of El NiÃ±o and La NiÃ±a over Pranhita Catchment in Godavari Basin, India. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	1.9	16
13	Response of Rainfall and Vegetation to ENSO Events during 2001â€“2011 in Upper Wardha Watershed, Maharashtra, India. Journal of Hydrologic Engineering - ASCE, 2014, 19, 583-592.	1.9	14
14	Application of geospatial technologies for environmental impact assessment: an Indian Scenario. International Journal of Remote Sensing, 2008, 29, 355-386.	2.9	12
15	Spatial analysis on impacts of mining activities leading to flood disaster in the Erai watershed, India. Journal of Flood Risk Management, 2010, 3, 80-87.	3.3	12
16	An innovative artificial recharge system to enhance groundwater storage in basaltic terrain: example from Maharashtra, India. Hydrogeology Journal, 2016, 24, 1273-1286.	2.1	12
17	Assessing Spatial Occurrence of Ground Level Ozone around Coal Mining Areas of Chandrapur District, Maharashtra, India. Environmental Monitoring and Assessment, 2007, 133, 87-98.	2.7	8
18	Footprints of El NiÃ±o Southern Oscillation on Rainfall and NDVI-Based Vegetation Parameters in River Basin in Central India. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	1.9	5

#	Article	IF	Citations
19	Evaluating Control of Various Hydrological Factors on Selection of Groundwater-Level Monitoring Networks in Irrigated Areas Using a Geospatial Approach. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, 05017003.	1.0	4
20	Performance evaluation of a reverse-gradient artificial recharge system in basalt aquifers of Maharashtra, India. Hydrogeology Journal, 2017, 25, 689-706.	2.1	4
21	Impact of climate change scenarios on hydrologic response of Upper Wardha catchment, Central India. International Journal of Global Warming, 2017, 13, 32.	0.5	4
22	Cyclical Hierarchical Modeling for Water Quality Modelâ€“Based DSS Module in an Urban River System. Journal of Environmental Engineering, ASCE, 2011, 137, 1176-1184.	1.4	3
23	Estimation of Sediment Yield within Mining Watershed to Assess Impact of Mine Dumps Using Satellite Data: Modified Approach. Journal of Environmental Engineering, ASCE, 2017, 143, 05017004.	1.4	3
24	Assessment of Groundwater-Level Monitoring Network in Irrigated Regions with a Complex Aquifer System Using Information Theory. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	1.9	3
25	Spatial Analysis of Impact of Orange Cultivation over Groundwater Regime: A Case Study of Kolar Watershed, Nagpur District, Maharashtra. Journal of the Indian Society of Remote Sensing, 2015, 43, 395-406.	2.4	2
26	Integrated approach of geospatial visualization and modeling for groundwater management in hard rock terrains in Nagpur Urban Area, India. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	2
27	Variation in Hydrological Components of Reservoirs as a Response to El NiÃ±o Southern Oscillation. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	1.9	2
28	Monitoring of Soil Moisture Variability and Establishing the Correlation with Topography by Remotely Sensed GLDAS Data. Water Science and Technology Library, 2021, , 157-166.	0.3	2
29	Analyzing the Impact of Floods on Vehicular Mobility along Urban Road Networks Using the Multiple Centrality Assessment Approach. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2022, 8, .	1.7	2
30	Geospatial Applications in Water Resource Management with Special Reference to Climate Change. Geotechnologies and the Environment, 2018, , 587-601.	0.3	1
31	Spatio-temporal variation of aerosols in ENSO events over Western India using satellite data. Journal of Environmental Engineering and Science, 2021, 16, 77-84.	0.8	1
32	Fault importance index (FII) as earthquake source criteria for seismic zonation: case study of India. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	1
33	Study on ENSO Modulated Seasonal Variations in Atmospheric Humidity Using Global Positioning System Radio Occultation Data. Journal of Hydrologic Engineering - ASCE, 2016, 21, 04015067.	1.9	0
34	Spatial Groundwater Modelling of Micro Watersheds â€“ A case study at Junewani watershed, Hingna Taluk, Nagpur, Maharashtra. IOP Conference Series: Earth and Environmental Science, 0, 597, 012003.	0.3	0
35	Impact of climate change scenarios on hydrologic response of Upper Wardha catchment, Central India. International Journal of Global Warming, 2017, 13, 32.	0.5	0
36	Footprints of Sedimentation on Loss of Reservoir Life using Satellite Remote Sensing Technique. IOP Conference Series: Earth and Environmental Science, 2022, 1032, 012013.	0.3	0