Yashwant B Katpatal

List of Publications by Year
in descending order

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36	432	686830	752256
papers	citations	13 h-index	20 g-index

37	37	37	534
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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, .	1.1	2
2	Footprints of Sedimentation on Loss of Reservoir Life using Satellite Remote Sensing Technique. IOP Conference Series: Earth and Environmental Science, 2022, 1032, 012013.	0.2	0
3	Spatio-temporal variation of aerosols in ENSO events over Western India using satellite data. Journal of Environmental Engineering and Science, 2021, 16, 77-84.	0.3	1
4	Fault importance index (FII) as earthquake source criteria for seismic zonation: case study of India. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	1
5	Monitoring of Soil Moisture Variability and Establishing the Correlation with Topography by Remotely Sensed GLDAS Data. Water Science and Technology Library, 2021, , 157-166.	0.2	2
6	Groundwater Monitoring Using GRACE and GLDAS Data after Downscaling Within Basaltic Aquifer System. Ground Water, 2020, 58, 143-151.	0.7	17
7	Assessment of Groundwater-Level Monitoring Network in Irrigated Regions with a Complex Aquifer System Using Information Theory. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	3
8	Variation in Hydrological Components of Reservoirs as a Response to El NiÃ±o Southern Oscillation. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	2
9	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.	0.9	21
10	Geospatial Applications in Water Resource Management with Special Reference to Climate Change. Geotechnologies and the Environment, 2018, , 587-601.	0.3	1
11	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.	1.2	19
12	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.	0.6	4
13	A GIS Based Design of Groundwater Level Monitoring Network Using Multi-Criteria Analysis and Geostatistical Method. Water Resources Management, 2017, 31, 4149-4163.	1.9	24
14	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.	0.7	3
15	Performance evaluation of a reverse-gradient artificial recharge system in basalt aquifers of Maharashtra, India. Hydrogeology Journal, 2017, 25, 689-706.	0.9	4
16	Impact of climate change scenarios on hydrologic response of Upper Wardha catchment, Central India. International Journal of Global Warming, 2017, 13, 32.	0.2	4
17	Impact of climate change scenarios on hydrologic response of Upper Wardha catchment, Central India. International Journal of Global Warming, 2017, 13, 32.	0.2	0
18	An innovative artificial recharge system to enhance groundwater storage in basaltic terrain: example from Maharashtra, India. Hydrogeology Journal, 2016, 24, 1273-1286.	0.9	12

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19	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.	0.6	2
20	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, .	0.8	5
21	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.	0.6	29
22	Study on ENSO Modulated Seasonal Variations in Atmospheric Humidity Using Global Positioning System Radio Occultation Data. Journal of Hydrologic Engineering - ASCE, 2016, 21, 04015067.	0.8	0
23	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, .	0.8	16
24	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.	1.8	43
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.	1.2	2
26	Impact of over-exploitation on groundwater quality: A case study from WR-2 Watershed, India. Journal of Earth System Science, 2014, 123, 1541-1566.	0.6	49
27	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.	0.8	14
28	A groundwater flow model for overexploited basaltic aquifer and Bazada formation in India. Environmental Earth Sciences, 2014, 72, 4413-4425.	1.3	19
29	Cyclical Hierarchical Modeling for Water Quality Modelâ€“Based DSS Module in an Urban River System. Journal of Environmental Engineering, ASCE, 2011, 137, 1176-1184.	0.7	3
30	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.	0.8	23
31	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.	1.6	12
32	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
33	Application of geospatial technologies for environmental impact assessment: an Indian Scenario. International Journal of Remote Sensing, 2008, 29, 355-386.	1.3	12
34	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.	0.8	38
35	Assessing Spatial Occurrence of Ground Level Ozone around Coal Mining Areas of Chandrapur District, Maharashtra, India. Environmental Monitoring and Assessment, 2007, 133, 87-98.	1.3	8
36	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.	0.2	0