

Bhaskar R Nikam

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

612
citations

759055

12
h-index

677027

22
g-index

49
all docs

49
docs citations

49
times ranked

586
citing authors

#	ARTICLE	IF	CITATIONS
1	Human-induced land use land cover change and its impact on hydrology. HydroResearch, 2019, 1, 48-56.	1.7	89
2	Assessment of land use land cover change impact on hydrological regime of a basin. Environmental Earth Sciences, 2017, 76, 1.	1.3	56
3	Using satellite-based soil moisture to detect and monitor spatiotemporal traces of agricultural drought over Bundelkhand region of India. GIScience and Remote Sensing, 2017, 54, 144-166.	2.4	35
4	Spectral similarity approach for mapping turbidity of an inland waterbody. Journal of Hydrology, 2017, 550, 527-537.	2.3	34
5	Retrieval of land surface temperature from Landsat 8 TIRS for the command area of Mula irrigation project. Environmental Earth Sciences, 2016, 75, 1.	1.3	28
6	Revisiting 2013 Uttarakhand flash floods through hydrological evaluation of precipitation data sources and morphometric prioritization. Geomatics, Natural Hazards and Risk, 2022, 13, 646-666.	2.0	27
7	Assessment of the effect of slope on runoff potential of a watershed using NRCS-CN method. International Journal of Hydrology Science and Technology, 2013, 3, 141.	0.2	26
8	Hydrological Parameters Estimation Using Remote Sensing and GIS for Indian Region: A Review. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 641-659.	0.8	23
9	Analyzing future water availability and hydrological extremes in the Krishna basin under changing climatic conditions. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	21
10	Reservoir Sedimentation Assessment Through Remote Sensing and Hydrological Modelling. Journal of the Indian Society of Remote Sensing, 2018, 46, 1893-1905.	1.2	21
11	Hydrological Modelling Using a Rainfall Simulator over an Experimental Hillslope Plot. Hydrology, 2017, 4, 17.	1.3	19
12	CLIMATE AND LULC CHANGE SCENARIOS TO STUDY ITS IMPACT ON HYDROLOGICAL REGIME. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B8, 147-152.	0.2	19
13	Satellite-Based Mapping and Monitoring of Heavy Snowfall in North Western Himalaya and its Hydrologic Consequences. Current Science, 2017, 113, 2328.	0.4	17
14	SNOW COVER AND GLACIER DYNAMICS STUDY USING C-AND L-BAND SAR DATASETS IN PARTS OF NORTH WEST HIMALAYA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 375-382.	0.2	17
15	Assessment of riverbank erosion and erosion probability using geospatial approach: a case study of the Subansiri River, Assam, India. Applied Geomatics, 2020, 12, 265-280.	1.2	14
16	Application of GIS-Coupled Modified MMF Model to Estimate Sediment Yield on a Watershed Scale. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	12
17	Application of S-SEBI model for crop evapotranspiration using Landsat-8 data over parts of North India. Geocarto International, 2019, 34, 114-131.	1.7	12
18	Analysis of trends in rainfall and dry/wet years over a century in the Eastern Ganga Canal command. Meteorological Applications, 2018, 25, 561-574.	0.9	11

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19	ANALYTICAL HIERARCHY PROCESS FOR IDENTIFICATION OF SUITABLE WATER HARVESTING SITE IN GEOSPATIAL ENVIRONMENT. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-5, 189-196.	0.0	11
20	An integrated approach for identification of waterlogged areas using RS and GIS technique and groundwater modelling. Sustainable Water Resources Management, 2019, 5, 1887-1901.	1.0	10
21	ASSESSMENT AND MONITORING OF AGRICULTURAL DROUGHTS IN MAHARASHTRA USING METEOROLOGICAL AND REMOTE SENSING BASED INDICES. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-5, 253-264.	0.0	10
22	Cryospheric Studies in Indian Himalayan and Polar Region: Current Status, Advances and Future Prospects of Remote Sensing. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 593-616.	0.8	9
23	WATER RESOURCES STATUS AND AVAILABILITY ASSESSMENT IN CURRENT AND FUTURE CLIMATE CHANGE SCENARIOS FOR BEAS RIVER BASIN OF NORTH WESTERN HIMALAYA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 1389-1396.	0.2	9
24	The Assimilation of Remote Sensing-Derived Soil Moisture Data into a Hydrological Model for the Mahanadi Basin, India. Journal of the Indian Society of Remote Sensing, 2019, 47, 1357-1374.	1.2	8
25	Application of Remote Sensing and GIS in Performance Evaluation of Irrigation Project at Disaggregated Level. Journal of the Indian Society of Remote Sensing, 2020, 48, 979-997.	1.2	8
26	Estimating groundwater resource and understanding recharge processes in the rapidly urbanizing Dhaka City, Bangladesh. Groundwater for Sustainable Development, 2021, 12, 100514.	2.3	8
27	EXPERIMENTAL FLOOD EARLY WARNING SYSTEM IN PARTS OF BEAS BASIN USING INTEGRATION OF WEATHER FORECASTING, HYDROLOGICAL AND HYDRODYNAMIC MODELS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 221-225.	0.2	7
28	ESTIMATION OF REVISED CAPACITY IN GOBIND SAGAR RESERVOIR USING GOOGLE EARTH ENGINE AND GIS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 589-595.	0.2	7
29	TRAINING, EDUCATION, RESEARCH AND CAPACITY BUILDING NEEDS AND FUTURE REQUIREMENTS IN APPLICATIONS OF GEOSPATIAL TECHNOLOGY FOR WATER RESOURCES MANAGEMENT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 29-36.	0.2	6
30	Integrating effective drought index (EDI) and remote sensing derived parameters for agricultural drought assessment and prediction in Bundelkhand region of India. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-8, 89-100.	0.2	5
31	Hydrometeorological Hazards Mapping, Monitoring and Modelling. , 2019, , 139-169.		4
32	Infrastructure mapping and performance assessment of irrigation system using GIS and remote sensing. E3S Web of Conferences, 2021, 264, 03005.	0.2	4
33	Improving stream flow estimation by incorporating time delay approach in soft computing models. ISH Journal of Hydraulic Engineering, 2019, , 1-12.	1.1	3
34	Hydrological Modelling in North Western Himalaya. , 2019, , 109-138.		3
35	Glacier Change Studies under Changing Climate Using Geospatial Tools and Techniques. Journal of the Indian Society of Remote Sensing, 2021, 49, 2387.	1.2	3
36	INTERCOMPARISON OF DIFFERENT RAINFALL PRODUCTS AND VALIDATION OF WRF MODELLED RAINFALL ESTIMATION IN N-W HIMALAYA DURING MONSOON PERIOD. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-5, 351-358.	0.0	3

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37	SNOW AND CLOUD DISCRIMINATION USING CONVOLUTIONAL NEURAL NETWORKS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-5, 59-63.	0.0	3
38	ESTIMATION OF INSTANTANEOUS EVAPOTRANSPIRATION USING REMOTE SENSING BASED ENERGY BALANCE TECHNIQUE OVER PARTS OF NORTH INDIA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 345-352.	0.2	2
39	SEASONAL COMPARISON OF ERA-INTERIM PRECIPITATION DATASET FOR ENTIRE INDIAN REGION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 567-573.	0.2	2
40	Analysis of Rainfall Trend before and after Implementation of Eastern Ganga Canal Command. , 2017, , .		1
41	Cryosphere Studies in Northwest Himalaya. , 2019, , 69-107.		1
42	Estimation of evapotranspiration fluxes from Sal (<i>Shorea robusta Gaertn.f</i>) forest using METRIC model: case study of Doon Valley, India. Geocarto International, 2022, 37, 5742-5764.	1.7	1
43	Snow, Glacier, and Glacier Lake Mapping and Monitoring Using Remote Sensing Data. Geography of the Physical Environment, 2021, , 57-84.	0.2	1
44	INDIAN INLAND WATER AND PARTS OF ANTARCTIC ICE SHEET ELEVATION AND ICE SHEET VELOCITY MONITORING USING ALTIMETRY AND SAR BASED DATASETS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 367-373.	0.2	1
45	Role of Geospatial Technology in Hydrological and Hydrodynamic Modeling-With Focus on Floods Studies. Water Science and Technology Library, 2022, , 483-503.	0.2	1
46	Analysis of Dependability of Annual and Monsoonal Rainfall in Eastern Ganga Canal Command, India. , 2019, , .		0
47	IMPORTANCE OF INCORPORATION OF GEOSPATIAL TECHNOLOGY APPLICATIONS IN WATER RESOURCES AT GRADUATE AND POST-GRADUATE COURSES OF CIVIL ENGINEERING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5, 111-116.	0.2	0