

# Sanat Nalini Sahoo

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

146  
citations

1477746

6  
h-index

1199166

12  
g-index

20  
all docs

20  
docs citations

20  
times ranked

125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Flood Inundation Maps and Quantification of Flood Risk in an Urban Catchment of Brahmaputra River. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2017, 3, .	1.1	52
2	Detention Ponds for Managing Flood Risk due to Increased Imperviousness: Case Study in an Urbanizing Catchment of India. Natural Hazards Review, 2018, 19, .	0.8	17
3	A methodology for determining runoff based on imperviousness in an ungauged peri-urban catchment. Urban Water Journal, 2014, 11, 42-54.	1.0	15
4	Determination of Effective Impervious Area for an Urban Indian Catchment. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	10
5	A Methodological Framework for Identification of Baseline Scenario and Assessing the Impact of DEM Scenarios on SWAT Model Outputs. Water Resources Management, 2020, 34, 4795-4814.	1.9	8
6	Deep learning models comparable assessment and uncertainty analysis for diurnal temperature range (DTR) predictions over Indian urban cities. Results in Engineering, 2022, 13, 100326.	2.2	7
7	Identification of groundwater recharge sites in Latur district of Maharashtra in India based on remote sensing, GIS and multi-criteria decision tools. Water and Environment Journal, 2021, 35, 544-559.	1.0	6
8	Relationship between peak rainfall intensity (PRI) and maximum flood depth (MFD) in an urban catchment of Northeast India. Natural Hazards, 2016, 83, 1527.	1.6	5
9	Determination of urbanisation based on imperviousness. Proceedings of the Institution of Civil Engineers: Urban Design and Planning, 2014, 167, 49-57.	0.6	4
10	Use of meteorological data for identification of drought. ISH Journal of Hydraulic Engineering, 2021, 27, 427-433.	1.1	4
11	Sensitivity of imperviousness determination methodology on runoff prediction. ISH Journal of Hydraulic Engineering, 2017, 23, 276-282.	1.1	3
12	Impact of urbanization on effective impervious area of Ahmedabad city in India. ISH Journal of Hydraulic Engineering, 2018, , 1-8.	1.1	3
13	Evaluation of loss models and effect of LU/LC changes on surface runoff in Subarnarekha river basin. ISH Journal of Hydraulic Engineering, 2019, , 1-14.	1.1	3
14	Indirect Determination of Effective Impervious Area (EIA) of an Urban City of North East India. , 2011, , .		2
15	Role of rainfall events and imperviousness parameters on urban runoff modelling. ISH Journal of Hydraulic Engineering, 2013, 19, 329-334.	1.1	2
16	Quantifying the dynamics of urban growth modes in Bengaluru, India. Proceedings of the Institution of Civil Engineers: Urban Design and Planning, 2021, 174, 1-14.	0.6	2
17	A review of decision support system applications in flood management. International Journal of Hydrology Science and Technology, 2013, 3, 206.	0.2	1
18	Fuzzy AHP modelling of urbanization and environmental stress to rank selected Indian cities for liveability. Environment, Development and Sustainability, 2023, 25, 6727-6750.	2.7	1

#	ARTICLE	IF	CITATIONS
19	Grey Relational Modelling of Land Surface Temperature (LST) for Ranking Indian Urban Cities. Environmental Processes, 2022, 9, .	1.7	1