

Satiprasad Sahoo

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,252
citations

430754

18
h-index

377752

34
g-index

38
all docs

38
docs citations

38
times ranked

1249
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of urbanization on land use /cover changes and its probable implications on local climate and groundwater level. <i>Journal of Urban Management</i> , 2018, 7, 70-84.	2.3	228
2	Spatial impact of land use/land cover change on surface temperature distribution in Saranda Forest, Jharkhand. <i>Modeling Earth Systems and Environment</i> , 2016, 2, 1.	1.9	112
3	Evaluation of soil loss estimation using the RUSLE model and SCS-CN method in hillslope mining areas. <i>International Soil and Water Conservation Research</i> , 2018, 6, 31-42.	3.0	112
4	Environmental vulnerability assessment using Grey Analytic Hierarchy Process based model. <i>Environmental Impact Assessment Review</i> , 2016, 56, 145-154.	4.4	93
5	Delineation of Groundwater Potential Zones of Coastal Groundwater Basin Using Multi-Criteria Decision Making Technique. <i>Water Resources Management</i> , 2016, 30, 4293-4310.	1.9	82
6	Effectiveness evaluation of objective and subjective weighting methods for aquifer vulnerability assessment in urban context. <i>Journal of Hydrology</i> , 2016, 541, 1303-1315.	2.3	81
7	Comparison of multi-criteria-analytical hierarchy process and machine learning-boosted tree models for regional flood susceptibility mapping: a case study from Slovakia. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 1153-1180.	2.0	44
8	Future scenarios of land-use suitability modeling for agricultural sustainability in a river basin. <i>Journal of Cleaner Production</i> , 2018, 205, 313-328.	4.6	43
9	Index-based groundwater vulnerability mapping using quantitative parameters. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	40
10	Grey analytic hierarchy process applied to effectiveness evaluation for groundwater potential zone delineation. <i>Geocarto International</i> , 2017, 32, 1188-1205.	1.7	38
11	Evaluation of Recharge and Groundwater Dynamics of a Shallow Alluvial Aquifer in Central Ganga Basin, Kanpur (India). <i>Natural Resources Research</i> , 2014, 23, 409-422.	2.2	36
12	Comparative analysis of multi-criteria probabilistic FR and AHP models for forest fire risk (FFR) mapping in Melghat Tiger Reserve (MTR) forest. <i>Journal of Forestry Research</i> , 2020, 31, 565-579.	1.7	36
13	Urban heat island explored by co-relationship between land surface temperature vs multiple vegetation indices. <i>Spatial Information Research</i> , 2016, 24, 515-529.	1.3	34
14	Identification of groundwater potential zones considering water quality aspect. <i>Environmental Earth Sciences</i> , 2015, 74, 5663-5675.	1.3	26
15	Appraising the Accuracy of Multi-Class Frequency Ratio and Weights of Evidence Method for Delineation of Regional Groundwater Potential Zones in Canal Command System. <i>Water Resources Management</i> , 2017, 31, 4399-4413.	1.9	26
16	Impact of water demand on hydrological regime under climate and LULC change scenarios. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	26
17	Future Water Use Planning by Water Evaluation and Planning System Model. <i>Water Resources Management</i> , 2020, 34, 4649-4664.	1.9	22
18	Recognition of district-wise groundwater stress zones using the GLDAS-2 catchment land surface model during lean season in the Indian state of West Bengal. <i>Acta Geophysica</i> , 2021, 69, 175-198.	1.0	22

#	ARTICLE	IF	CITATIONS
19	Forest health assessment for geo-environmental planning and management in hilltop mining areas using Hyperion and Landsat data. <i>Ecological Indicators</i> , 2019, 106, 105471.	2.6	21
20	Future Mangrove Suitability Assessment of Andaman to strengthen sustainable development. <i>Journal of Cleaner Production</i> , 2019, 234, 597-614.	4.6	20
21	Hydro-environmental assessment of a regional ground water aquifer: Hirakud command area (India). <i>Environmental Earth Sciences</i> , 2015, 73, 4165-4178.	1.3	17
22	Future Scenarios of Environmental Vulnerability Mapping Using Grey Analytic Hierarchy Process. <i>Natural Resources Research</i> , 2019, 28, 1461-1483.	2.2	14
23	Spatiotemporal LULC change impacts on groundwater table in Jhargram, West Bengal, India. <i>Sustainable Water Resources Management</i> , 2019, 5, 1189-1200.	1.0	11
24	Detecting water stress scenario by land use/land cover changes in an agricultural command area. <i>Spatial Information Research</i> , 2017, 25, 11-21.	1.3	10
25	Multi-sectoral impact assessment during the 1st wave of COVID-19 pandemic in West Bengal (India) for sustainable planning and management. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	10
26	On projected hydrological scenarios under the influence of bias-corrected climatic variables and LULC. <i>Ecological Indicators</i> , 2019, 106, 105440.	2.6	9
27	Assessing Groundwater Dynamics and Potentiality in the Lower Ganga Plain, India. <i>Water (Switzerland)</i> , 2022, 14, 2180.	1.2	7
28	Mapping the distribution of iron ore minerals and spatial correlation with environmental variables in hilltop mining areas. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	5
29	Potential for Aquifer Storage and Recovery (ASR) in South Bihar, India. <i>Sustainability</i> , 2021, 13, 3502.	1.6	5
30	Spatiotemporal analysis of land use land cover and future simulation for agricultural sustainability in a sub-tropical region of India. <i>Environment, Development and Sustainability</i> , 2023, 25, 7873-7902.	2.7	5
31	A forensic look into the lineament, vegetation, groundwater linkage: Study of Ranchi District, Jharkhand (India). <i>Remote Sensing Applications: Society and Environment</i> , 2018, 10, 138-152.	0.8	4
32	Evaluation of spatiotemporal dynamics of water storage changes at block level for sustainable water management in Howrah District of West Bengal. <i>Environment, Development and Sustainability</i> , 0, , 1.	2.7	4
33	Assessment of future coastal risk zones along the Andaman coast to strengthen sustainable development. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	3
34	Identification of water-stressed area based on the interrelationship of soil moisture and seasonal rice cultivation. <i>Paddy and Water Environment</i> , 2020, 18, 193-209.	1.0	2
35	Evaluation of a physically based model to assess the eco-hydrological components on the basin hydrology. <i>Sustainable Water Resources Management</i> , 2021, 7, 1.	1.0	2
36	Assessment of adoption potential of rooftop rainwater harvesting to combat water scarcity: a case study of North 24 Parganas district of West Bengal, India. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	2

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37	Can Groundwater Scenarios Be Predicted from Future Regional Climatic Input Variables?. Water Resources Management, 2020, 34, 4815-4830.	1.9	0