

# Sujay Raghavendra Naganna

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,313  
citations

516215

16  
h-index

433756

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1446  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning-based modeling of saturated hydraulic conductivity in soils of tropical semi-arid zone of India. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2022, 47, 1.	0.8	2
2	Comparative evaluation of deep learning and machine learning in modelling pan evaporation using limited inputs. <i>Hydrological Sciences Journal</i> , 2022, 67, 1309-1327.	1.2	11
3	Streambed pollution: A comprehensive review of its sources, eco-hydro-geo-chemical impacts, assessment, and mitigation strategies. <i>Chemosphere</i> , 2022, 300, 134589.	4.2	11
4	Integration of Multiple Models with Hybrid Artificial Neural Network-Genetic Algorithm for Soil Cation-Exchange Capacity Prediction. <i>Complexity</i> , 2022, 2022, 1-15.	0.9	1
5	Insights into the Multifaceted Applications of Architectural Concrete: A State-of-the-Art Review. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 4213-4223.	1.7	5
6	Sourcing CHIRPS precipitation data for streamflow forecasting using intrinsic time-scale decomposition based machine learning models. <i>Hydrological Sciences Journal</i> , 2021, 66, 1437-1456.	1.2	16
7	Application of gradient tree boosting regressor for the prediction of scour depth around bridge piers. <i>Journal of Hydroinformatics</i> , 2021, 23, 849-863.	1.1	11
8	Geographically Weighted Regression Hybridized with Kriging Model for Delineation of Drought-Prone Areas. <i>Environmental Modeling and Assessment</i> , 2021, 26, 803-821.	1.2	5
9	Assessment of spatio-temporal variability of rainfall and mean air temperature over Ardabil province, Iran. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	6
10	Valorization of incinerator bottom ash for the production of resource-efficient eco-friendly concrete: Performance and toxicological characterization. <i>Architecture, Structures and Construction</i> , 2021, 1, 65-78.	0.7	6
11	Irrigation Induced Salinity and Sodicity Hazards on Soil and Groundwater: An Overview of Its Causes, Impacts and Mitigation Strategies. <i>Agriculture (Switzerland)</i> , 2021, 11, 983.	1.4	64
12	Multiple AI model integration strategy's Application to saturated hydraulic conductivity prediction from easily available soil properties. <i>Soil and Tillage Research</i> , 2020, 196, 104449.	2.6	34
13	Spatial variability of ground water quality: a case study of Udipi district, Karnataka State, India. <i>Journal of Earth System Science</i> , 2020, 129, 1.	0.6	16
14	Nano-TiO <sub>2</sub> particles: a photocatalytic admixture to amp up the performance efficiency of cementitious composites. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2020, 45, 1.	0.8	10
15	Hybrid wavelet packet machine learning approaches for drought modeling. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	36
16	Hourly River Flow Forecasting: Application of Emotional Neural Network Versus Multiple Machine Learning Paradigms. <i>Water Resources Management</i> , 2020, 34, 1075-1091.	1.9	53
17	ON THE EVALUATION OF THE GRADIENT TREE BOOSTING MODEL FOR GROUNDWATER LEVEL FORECASTING. <i>Knowledge-based Engineering and Sciences</i> , 2020, 1, 48-57.	1.2	36
18	Enhancing streamflow forecasting using the augmenting ensemble procedure coupled machine learning models: case study of Aswan High Dam. <i>Hydrological Sciences Journal</i> , 2019, 64, 1629-1646.	1.2	42

#	ARTICLE	IF	CITATIONS
19	Dew Point Temperature Estimation: Application of Artificial Intelligence Model Integrated with Nature-Inspired Optimization Algorithms. <i>Water (Switzerland)</i> , 2019, 11, 742.	1.2	70
20	Artificial intelligence approaches for spatial modeling of streambed hydraulic conductivity. <i>Acta Geophysica</i> , 2019, 67, 891-903.	1.0	12
21	Estimation of dew point temperature using SVM and ELM for humid and semi-arid regions of India. <i>ISH Journal of Hydraulic Engineering</i> , 2018, 24, 190-197.	1.1	11
22	Variability of streambed hydraulic conductivity in an intermittent stream reach regulated by Vented Dams: A case study. <i>Journal of Hydrology</i> , 2018, 562, 477-491.	2.3	17
23	SUSTAINABLE UTILIZATION OF DISCARDED FOUNDRY SAND AND CRUSHED BRICK MASONRY AGGREGATE IN THE PRODUCTION OF LIGHTWEIGHT CONCRETE. <i>Engineering Structures and Technologies</i> , 2017, 9, 52-61.	0.2	7
24	Factors influencing streambed hydraulic conductivity and their implications on stream-aquifer interaction: a conceptual review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24765-24789.	2.7	34
25	Eco-concrete for sustainability: utilizing aluminium dross and iron slag as partial replacement materials. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 2291-2304.	2.1	31
26	Wavelet coupled MARS and M5 Model Tree approaches for groundwater level forecasting. <i>Journal of Hydrology</i> , 2017, 553, 356-373.	2.3	98
27	Investigation of concrete produced using recycled aluminium dross for hot weather concreting conditions. <i>Resource-efficient Technologies</i> , 2016, 2, 68-80.	0.1	33
28	Multistep Ahead Groundwater Level Time-Series Forecasting Using Gaussian Process Regression and ANFIS. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 289-302.	0.5	18
29	Sustainable Development and Management of Groundwater Resources in Mining Affected Areas: A Review. <i>Procedia Earth and Planetary Science</i> , 2015, 11, 598-604.	0.6	37
30	Forecasting monthly groundwater level fluctuations in coastal aquifers using hybrid Wavelet packet-Support vector regression. <i>Cogent Engineering</i> , 2015, 2, 999414.	1.1	48
31	Support vector machine applications in the field of hydrology: A review. <i>Applied Soft Computing Journal</i> , 2014, 19, 372-386.	4.1	530