

# Ramendra Prasad

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,421  
citations

489802

18  
h-index

563245

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Significant wave height forecasting via an extreme learning machine model integrated with improved complete ensemble empirical mode decomposition. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 104, 281-295.	8.2	156
2	Soil moisture forecasting by a hybrid machine learning technique: ELM integrated with ensemble empirical mode decomposition. <i>Geoderma</i> , 2018, 330, 136-161.	2.3	149
3	Designing a multi-stage multivariate empirical mode decomposition coupled with ant colony optimization and random forest model to forecast monthly solar radiation. <i>Applied Energy</i> , 2019, 236, 778-792.	5.1	136
4	Input selection and performance optimization of ANN-based streamflow forecasts in the drought-prone Murray Darling Basin region using IIS and MODWT algorithm. <i>Atmospheric Research</i> , 2017, 197, 42-63.	1.8	130
5	Complete ensemble empirical mode decomposition hybridized with random forest and kernel ridge regression model for monthly rainfall forecasts. <i>Journal of Hydrology</i> , 2020, 584, 124647.	2.3	114
6	Weekly soil moisture forecasting with multivariate sequential, ensemble empirical mode decomposition and Boruta-random forest hybridizer algorithm approach. <i>Catena</i> , 2019, 177, 149-166.	2.2	95
7	A hybrid air quality early-warning framework: An hourly forecasting model with online sequential extreme learning machines and empirical mode decomposition algorithms. <i>Science of the Total Environment</i> , 2020, 709, 135934.	3.9	74
8	Designing Deep-Based Learning Flood Forecast Model With ConvLSTM Hybrid Algorithm. <i>IEEE Access</i> , 2021, 9, 50982-50993.	2.6	70
9	Artificial intelligence modelling integrated with Singular Spectral analysis and Seasonal-Trend decomposition using Loess approaches for streamflow predictions. <i>Journal of Hydrology</i> , 2021, 600, 126506.	2.3	63
10	Ensemble committee-based data intelligent approach for generating soil moisture forecasts with multivariate hydro-meteorological predictors. <i>Soil and Tillage Research</i> , 2018, 181, 63-81.	2.6	60
11	Near real-time significant wave height forecasting with hybridized multiple linear regression algorithms. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110003.	8.2	56
12	A double decomposition-based modelling approach to forecast weekly solar radiation. <i>Renewable Energy</i> , 2020, 152, 9-22.	4.3	48
13	Comparative analysis of kernel-based versus ANN and deep learning methods in monthly reference evapotranspiration estimation. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 603-618.	1.9	48
14	Assessing the sustainable municipal solid waste (MSW) to electricity generation potentials in selected Pacific Small Island Developing States (PSIDS). <i>Journal of Cleaner Production</i> , 2020, 248, 119222.	4.6	36
15	Variational mode decomposition based random forest model for solar radiation forecasting: New emerging machine learning technology. <i>Energy Reports</i> , 2021, 7, 6700-6717.	2.5	34
16	Deep Air Quality Forecasts: Suspended Particulate Matter Modeling With Convolutional Neural and Long Short-Term Memory Networks. <i>IEEE Access</i> , 2020, 8, 209503-209516.	2.6	32
17	Novel hybrid deep learning model for satellite based PM10 forecasting in the most polluted Australian hotspots. <i>Atmospheric Environment</i> , 2022, 279, 119111.	1.9	24
18	Advanced extreme learning machines vs. deep learning models for peak wave energy period forecasting: A case study in Queensland, Australia. <i>Renewable Energy</i> , 2021, 177, 1031-1044.	4.3	21

#	ARTICLE	IF	CITATIONS
19	Coupled online sequential extreme learning machine model with ant colony optimization algorithm for wheat yield prediction. <i>Scientific Reports</i> , 2022, 12, 5488.	1.6	13
20	Development of Flood Monitoring Index for daily flood risk evaluation: case studies in Fiji. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 1387-1402.	1.9	12
21	Receiver DCB estimation and GPS vTEC study at a low latitude station in the South Pacific. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 149, 120-130.	0.6	11
22	Gas consumption demand forecasting with empirical wavelet transform based machine learning model: A case study. <i>International Journal of Energy Research</i> , 2021, 45, 15124-15138.	2.2	9
23	Evapotranspiration estimation using SEBAL algorithm integrated with remote sensing and experimental methods. <i>International Journal of Digital Earth</i> , 2021, 14, 1638-1658.	1.6	8
24	A survey on quantum computing with main focus on the methods of implementation and commercialization gaps. , 2015, , .		7
25	Modeling and Forecasting Renewable Energy Resources for Sustainable Power Generation: Basic Concepts and Predictive Model Results. <i>Advances in Global Change Research</i> , 2020, , 59-79.	1.6	7
26	Daily Flood Forecasts with Intelligent Data Analytic Models: Multivariate Empirical Mode Decomposition-Based Modeling Methods. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 359-381.	0.3	3
27	Trends in mean maximum temperature, mean minimum temperature and mean relative humidity for Lautoka, Fiji during 2003â€“2013. <i>Scientific Review Engineering and Environmental Sciences</i> , 2017, 26, 415-422.	0.2	2
28	Day and nighttime L-Band amplitude scintillations during low solar activity at a low latitude station in the South Pacific region. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 165-166, 54-66.	0.6	1
29	STREAMFLOW AND SOIL MOISTURE FORECASTING WITH HYBRID DATA INTELLIGENT MACHINE LEARNING APPROACHES: CASE STUDIES IN THE AUSTRALIAN MURRAYâ€“DARLING BASIN. <i>Bulletin of the Australian Mathematical Society</i> , 2019, 100, 520-522.	0.3	1
30	Short-term electrical energy demand prediction under heat island effects using emotional neural network integrated with genetic algorithm. , 2021, , 271-298.		1