

# Ramendra Prasad

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,421  
citations

430874  
18  
h-index

501196  
28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1074  
citing authors

#	ARTICLE	IF	CITATIONS
1	Significant wave height forecasting via an extreme learning machine model integrated with improved complete ensemble empirical mode decomposition. Renewable and Sustainable Energy Reviews, 2019, 104, 281-295.	16.4	156
2	Soil moisture forecasting by a hybrid machine learning technique: ELM integrated with ensemble empirical mode decomposition. Geoderma, 2018, 330, 136-161.	5.1	149
3	Designing a multi-stage multivariate empirical mode decomposition coupled with ant colony optimization and random forest model to forecast monthly solar radiation. Applied Energy, 2019, 236, 778-792.	10.1	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. Atmospheric Research, 2017, 197, 42-63.	4.1	130
5	Complete ensemble empirical mode decomposition hybridized with random forest and kernel ridge regression model for monthly rainfall forecasts. Journal of Hydrology, 2020, 584, 124647.	5.4	114
6	Weekly soil moisture forecasting with multivariate sequential, ensemble empirical mode decomposition and Boruta-random forest hybridizer algorithm approach. Catena, 2019, 177, 149-166.	5.0	95
7	A hybrid air quality early-warning framework: An hourly forecasting model with online sequential extreme learning machines and empirical mode decomposition algorithms. Science of the Total Environment, 2020, 709, 135934.	8.0	74
8	Designing Deep-Based Learning Flood Forecast Model With ConvLSTM Hybrid Algorithm. IEEE Access, 2021, 9, 50982-50993.	4.2	70
9	Artificial intelligence modelling integrated with Singular Spectral analysis and Seasonal-Trend decomposition using Loess approaches for streamflow predictions. Journal of Hydrology, 2021, 600, 126506.	5.4	63
10	Ensemble committee-based data intelligent approach for generating soil moisture forecasts with multivariate hydro-meteorological predictors. Soil and Tillage Research, 2018, 181, 63-81.	5.6	60
11	Near real-time significant wave height forecasting with hybridized multiple linear regression algorithms. Renewable and Sustainable Energy Reviews, 2020, 132, 110003.	16.4	56
12	A double decomposition-based modelling approach to forecast weekly solar radiation. Renewable Energy, 2020, 152, 9-22.	8.9	48
13	Comparative analysis of kernel-based versus ANN and deep learning methods in monthly reference evapotranspiration estimation. Hydrology and Earth System Sciences, 2021, 25, 603-618.	4.9	48
14	Assessing the sustainable municipal solid waste (MSW) to electricity generation potentials in selected Pacific Small Island Developing States (PSIDS). Journal of Cleaner Production, 2020, 248, 119222.	9.3	36
15	Variational mode decomposition based random forest model for solar radiation forecasting: New emerging machine learning technology. Energy Reports, 2021, 7, 6700-6717.	5.1	34
16	Deep Air Quality Forecasts: Suspended Particulate Matter Modeling With Convolutional Neural and Long Short-Term Memory Networks. IEEE Access, 2020, 8, 209503-209516.	4.2	32
17	Novel hybrid deep learning model for satellite based PM10 forecasting in the most polluted Australian hotspots. Atmospheric Environment, 2022, 279, 119111.	4.1	24
18	Advanced extreme learning machines vs. deep learning models for peak wave energy period forecasting: A case study in Queensland, Australia. Renewable Energy, 2021, 177, 1031-1044.	8.9	21

#	ARTICLE	IF	CITATIONS
19	Coupled online sequential extreme learning machine model with ant colony optimization algorithm for wheat yield prediction. Scientific Reports, 2022, 12, 5488.	3.3	13
20	Development of Flood Monitoring Index for daily flood risk evaluation: case studies in Fiji. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1387-1402.	4.0	12
21	Receiver DCB estimation and GPS vTEC study at a low latitude station in the South Pacific. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 149, 120-130.	1.6	11
22	Gas consumption demand forecasting with empirical wavelet transform based machine learning model: A case study. International Journal of Energy Research, 2021, 45, 15124-15138.	4.5	9
23	Evapotranspiration estimation using SEBAL algorithm integrated with remote sensing and experimental methods. International Journal of Digital Earth, 2021, 14, 1638-1658.	3.9	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. Advances in Global Change Research, 2020, , 59-79.	1.6	7
26	Daily Flood Forecasts with Intelligent Data Analytic Models: Multivariate Empirical Mode Decomposition-Based Modeling Methods. Springer Transactions in Civil and Environmental Engineering, 2021, , 359-381.	0.4	3
27	Trends in mean maximum temperature, mean minimum temperature and mean relative humidity for Lautoka, Fiji during 2003â€“2013. Scientific Review Engineering and Environmental Sciences, 2017, 26, 415-422.	0.5	2
28	Day and nighttime L-Band amplitude scintillations during low solar activity at a low latitude station in the South Pacific region. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 165-166, 54-66.	1.6	1
29	STREAMFLOW AND SOIL MOISTURE FORECASTING WITH HYBRID DATA INTELLIGENT MACHINE LEARNING APPROACHES: CASE STUDIES IN THE AUSTRALIAN MURRAYâ€“DARLING BASIN. Bulletin of the Australian Mathematical Society, 2019, 100, 520-522.	0.5	1
30	Short-term electrical energy demand prediction under heat island effects using emotional neural network integrated with genetic algorithm. , 2021, , 271-298.		1