

# B Rajanarayan Prusty

## List of Publications by Year in descending order

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43  
papers

599  
citations

840776

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h-index

752698

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g-index

46  
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46  
docs citations

46  
times ranked

326  
citing authors

#	ARTICLE	IF	CITATIONS
1	A <i>k</i> -nearest neighbor-based averaging model for probabilistic PV generation forecasting. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2022, 35, .	1.9	8
2	Recent Advances and Applications of Spiral Dynamics Optimization Algorithm: A Review. Fractal and Fractional, 2022, 6, 27.	3.3	12
3	Time Series Decomposition Techniques for Renewable Generation Applications. Advances in Sustainability Science and Technology, 2022, , 847-856.	0.6	0
4	New Performance Evaluation Metrics for Outlier Detection and Correction. Advances in Sustainability Science and Technology, 2022, , 837-845.	0.6	0
5	Reduced Simulative Performance Analysis of Variable Step Size ANN Based MPPT Techniques for Partially Shaded Solar PV Systems. IEEE Access, 2022, 10, 48875-48889.	4.2	47
6	Selection of Stationarity Tests for Time Series Forecasting Using Reliability Analysis. Mathematical Problems in Engineering, 2022, 2022, 1-8.	1.1	1
7	Machine learning application to power system forecasting. , 2022, , 225-236.		0
8	Fractional Rectified Linear Unit Activation Function and Its Variants. Mathematical Problems in Engineering, 2022, 2022, 1-15.	1.1	6
9	Quantile regression averaging-based probabilistic forecasting of daily ambient temperature. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2846.	1.9	9
10	Review of preprocessing methods for univariate volatile time-series in power system applications. Electric Power Systems Research, 2021, 191, 106885.	3.6	28
11	An improved sliding window prediction-based outlier detection and correction for volatile time-series. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, .	1.9	29
12	Forecasting of renewable generation for applications in smart grid power systems. , 2021, , 265-298.		8
13	Implementation of Optimization-Based PI Controller Tuning for Non-Ideal Differential Boost Inverter. IEEE Access, 2021, 9, 58677-58688.	4.2	7
14	Curve Fitting-Based Approximation of Fractional Differentiator with Complex Orders. , 2021, , .		7
15	Design and Analysis of Fractional Filters with Complex Orders. , 2021, , .		6
16	Reliable Prediction Intervals of PV Generation Using Quantile Regression Averaging Approach. , 2021, , .		3
17	Torque and Temperature Prediction for Permanent Magnet Synchronous Motor Using Neural Networks. , 2021, , .		15
18	Modeling of Predictable Variations in Multi-Time Instant Ambient Temperature Time Series. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Chaotic Time Series Prediction Model for Fractional-Order Duffing's Oscillator. , 2021, , .		5
20	Performance Comparison of Two Statistical Parametric Methods for Outlier Detection and Correction. IFAC-PapersOnLine, 2021, 54, 168-174.	0.9	1
21	Probabilistic Ambient Temperature Forecasting Using Quantile Regression Averaging Model. , 2021, , .		0
22	Comparison of Photovoltaic Generation Uncertainty Models for Power System Planning Using Regression Framework. , 2021, , .		2
23	Approximation of Time-Delay Systems Using Curve Fitting Technique. , 2021, , .		0
24	MPA-Tuned Fractional Order PID Controller for Frequency Control of Interconnected Smart Grid Power System. , 2021, , .		2
25	Short-Term PV Generation Forecasting Using Quantile Regression Averaging. , 2020, , .		8
26	Multi-Time Instant Probabilistic PV Generation Forecasting Using Quantile Regression Forests. , 2020, , .		9
27	Probabilistic Forecasting of Daily PV Generation Using Quantile Regression Method. , 2020, , .		2
28	Comparison of Two Data Cleaning Methods as Applied to Volatile Time-Series. , 2019, , .		8
29	A spatiotemporal probabilistic modelâ€based temperatureâ€augmented probabilistic load flow considering PV generations. International Transactions on Electrical Energy Systems, 2019, 29, e2819.	1.9	27
30	Uncertainty Modeling Steps for Probabilistic Steady-State Analysis. Lecture Notes in Electrical Engineering, 2019, , 1169-1177.	0.4	6
31	Probabilistic Load Flow in a Transmission System Integrated with Photovoltaic Generations. Lecture Notes in Electrical Engineering, 2019, , 1159-1168.	0.4	0
32	Preprocessing of Multi-Time Instant PV Generation Data. IEEE Transactions on Power Systems, 2018, 33, 3189-3191.	6.5	29
33	An over-limit risk assessment of PV integrated power system using probabilistic load flow based on multi-time instant uncertainty modeling. Renewable Energy, 2018, 116, 367-383.	8.9	36
34	A Sensitivity Matrix-Based Temperature-Augmented Probabilistic Load Flow Study. IEEE Transactions on Industry Applications, 2017, 53, 2506-2516.	4.9	37
35	Cumulant-based correlated probabilistic load flow considering photovoltaic generation and electric vehicle charging demand. Frontiers in Energy, 2017, 11, 184-196.	2.3	15
36	A critical review on probabilistic load flow studies in uncertainty constrained power systems with photovoltaic generation and a new approach. Renewable and Sustainable Energy Reviews, 2017, 69, 1286-1302.	16.4	147

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37	A detailed formulation of sensitivity matrices for probabilistic load flow assessment considering electro-thermal coupling effect. , 2017, , .		8
38	Combined cumulant and Gaussian mixture approximation for correlated probabilistic load flow studies: a new approach. CSEE Journal of Power and Energy Systems, 2016, 2, 71-78.	1.1	46
39	Modeling of power demands of electric vehicles in correlated probabilistic load flow studies. , 2016, , .		3
40	Estimation of optimal number of components in Gaussian mixture model-based probabilistic load flow study. , 2016, , .		3
41	An efficient hybrid technique for correlated probabilistic load flow study with photovoltaic generations. , 2016, , .		1
42	Modeling of correlated photovoltaic generations and load demands in probabilistic load flow. , 2015, , .		8
43	Review of Adaptive Decomposition-Based Data Preprocessing for Renewable Generation Rich Power System Applications. Journal of Renewable and Sustainable Energy, 0, , .	2.0	5