

B Rajanarayan Prusty

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

599
citations

840776

11
h-index

752698

20
g-index

46
all docs

46
docs citations

46
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	A Sensitivity Matrix-Based Temperature-Augmented Probabilistic Load Flow Study. IEEE Transactions on Industry Applications, 2017, 53, 2506-2516.	4.9	37
5	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
6	Preprocessing of Multi-Time Instant PV Generation Data. IEEE Transactions on Power Systems, 2018, 33, 3189-3191.	6.5	29
7	An improved sliding window <sc>predictionâ€based</sc> outlier detection and correction for volatile <sc>timeâ€series</sc>. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, .	1.9	29
8	Review of preprocessing methods for univariate volatile time-series in power system applications. Electric Power Systems Research, 2021, 191, 106885.	3.6	28
9	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
10	Cumulant-based correlated probabilistic load flow considering photovoltaic generation and electric vehicle charging demand. Frontiers in Energy, 2017, 11, 184-196.	2.3	15
11	Torque and Temperature Prediction for Permanent Magnet Synchronous Motor Using Neural Networks. , 2021, , .		15
12	Recent Advances and Applications of Spiral Dynamics Optimization Algorithm: A Review. Fractal and Fractional, 2022, 6, 27.	3.3	12
13	Multi-Time Instant Probabilistic PV Generation Forecasting Using Quantile Regression Forests. , 2020, , .		9
14	Quantile regression <sc>averagingâ€based</sc> probabilistic forecasting of daily ambient temperature. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2846.	1.9	9
15	Modeling of correlated photovoltaic generations and load demands in probabilistic load flow. , 2015, , .		8
16	A detailed formulation of sensitivity matrices for probabilistic load flow assessment considering electro-thermal coupling effect. , 2017, , .		8
17	Comparison of Two Data Cleaning Methods as Applied to Volatile Time-Series. , 2019, , .		8
18	Short-Term PV Generation Forecasting Using Quantile Regression Averaging. , 2020, , .		8

#	ARTICLE	IF	CITATIONS
19	Forecasting of renewable generation for applications in smart grid power systems. , 2021, , 265-298.		8
20	A k-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
21	Implementation of Optimization-Based PI Controller Tuning for Non-Ideal Differential Boost Inverter. IEEE Access, 2021, 9, 58677-58688.	4.2	7
22	Curve Fitting-Based Approximation of Fractional Differentiator with Complex Orders. , 2021, , .		7
23	Design and Analysis of Fractional Filters with Complex Orders. , 2021, , .		6
24	Uncertainty Modeling Steps for Probabilistic Steady-State Analysis. Lecture Notes in Electrical Engineering, 2019, , 1169-1177.	0.4	6
25	Fractional Rectified Linear Unit Activation Function and Its Variants. Mathematical Problems in Engineering, 2022, 2022, 1-15.	1.1	6
26	Chaotic Time Series Prediction Model for Fractional-Order Duffing's Oscillator. , 2021, , .		5
27	Review of Adaptive Decomposition-Based Data Preprocessing for Renewable Generation Rich Power System Applications. Journal of Renewable and Sustainable Energy, 0, , .	2.0	5
28	Modeling of power demands of electric vehicles in correlated probabilistic load flow studies. , 2016, , .		3
29	Estimation of optimal number of components in Gaussian mixture model-based probabilistic load flow study. , 2016, , .		3
30	Reliable Prediction Intervals of PV Generation Using Quantile Regression Averaging Approach. , 2021, , .		3
31	Modeling of Predictable Variations in Multi-Time Instant Ambient Temperature Time Series. , 2021, , .		2
32	Probabilistic Forecasting of Daily PV Generation Using Quantile Regression Method. , 2020, , .		2
33	Comparison of Photovoltaic Generation Uncertainty Models for Power System Planning Using Regression Framework. , 2021, , .		2
34	MPA-Tuned Fractional Order PID Controller for Frequency Control of Interconnected Smart Grid Power System. , 2021, , .		2
35	An efficient hybrid technique for correlated probabilistic load flow study with photovoltaic generations. , 2016, , .		1
36	Performance Comparison of Two Statistical Parametric Methods for Outlier Detection and Correction. IFAC-PapersOnLine, 2021, 54, 168-174.	0.9	1

#	ARTICLE	IF	CITATIONS
37	Selection of Stationarity Tests for Time Series Forecasting Using Reliability Analysis. Mathematical Problems in Engineering, 2022, 2022, 1-8.	1.1	1
38	Probabilistic Load Flow in a Transmission System Integrated with Photovoltaic Generations. Lecture Notes in Electrical Engineering, 2019, , 1159-1168.	0.4	0
39	Probabilistic Ambient Temperature Forecasting Using Quantile Regression Averaging Model. , 2021, , .		0
40	Time Series Decomposition Techniques for Renewable Generation Applications. Advances in Sustainability Science and Technology, 2022, , 847-856.	0.6	0
41	New Performance Evaluation Metrics for Outlier Detection and Correction. Advances in Sustainability Science and Technology, 2022, , 837-845.	0.6	0
42	Approximation of Time-Delay Systems Using Curve Fitting Technique. , 2021, , .		0
43	Machine learning application to power system forecasting. , 2022, , 225-236.		0