

# Prakash Ranganathan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1743479/publications.pdf>

Version: 2024-02-01

70  
papers

886  
citations

1306789

7  
h-index

1281420

11  
g-index

77  
all docs

77  
docs citations

77  
times ranked

870  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cybersecurity challenges in vehicular communications. Vehicular Communications, 2020, 23, 100214.	2.7	127
2	UAV swarm communication and control architectures: a review. Journal of Unmanned Vehicle Systems, 2019, 7, 93-106.	0.6	109
3	Cybersecurity Attacks in Vehicular Sensors. IEEE Sensors Journal, 2020, 20, 13752-13767.	2.4	49
4	Notice of Removal: A Review and Future Directions of UAV Swarm Communication Architectures. , 2018, , .		45
5	Agent-Oriented Designs for a Self Healing Smart Grid. , 2010, , .		41
6	Short-term load forecasting using deep neural networks (DNN). , 2017, , .		40
7	Blockchain Technology for Networked Swarms of Unmanned Aerial Vehicles (UAVs). , 2019, , .		40
8	Development of a GPS spoofing apparatus to attack a DJI Matrice 100 Quadcopter. The Journal of Global Positioning Systems, 2018, 16, .	1.6	37
9	A Hybrid Regression Model for Day-Ahead Energy Price Forecasting. IEEE Access, 2019, 7, 36833-36842.	2.6	36
10	Multi-Agent Systems for Resource Allocation and Scheduling in a Smart Grid. Technology and Economics of Smart Grids and Sustainable Energy, 2018, 3, 1.	1.8	34
11	Residential Load Forecasting Using Deep Neural Networks (DNN). , 2018, , .		29
12	A Multi-Stage Price Forecasting Model for Day-Ahead Electricity Markets. Forecasting, 2019, 1, 26-46.	1.6	28
13	Optimization models for energy reallocation in a smart grid. , 2011, , .		27
14	A survey on smart grid metering infrastructures: Threats and solutions. , 2015, , .		23
15	A Secure Blockchain-based Communication Approach for UAV Networks. , 2020, , .		22
16	Performance Analysis of Short and Mid-Term Wind Power Prediction using ARIMA and Hybrid Models. , 2021, , .		16
17	Deep Neural Networks (DNN) for Day-Ahead Electricity Price Markets. , 2018, , .		11
18	Uncertainty quantification of wind penetration and integration into smart grid: A survey. , 2017, , .		10

#	ARTICLE	IF	CITATIONS
19	Next generation distributed and networked autonomous vehicles: Review. , 2018, , .		10
20	Optimal Operation of Residential EVs using DNN and Clustering based Energy Forecast. , 2018, , .		9
21	Cyber Security Threats for 5G Networks. , 2022, , .		9
22	Investigation of forecasting methods for the hourly spot price of the day-ahead electric power markets. , 2016, , .		8
23	Counter UAS Solutions Through UAV Swarm Environments. , 2019, , .		8
24	Convolutional Neural Networks (CNNs) for power system big data analysis. , 2017, , .		7
25	Predicting West Nile Virus (WNV) occurrences in North Dakota using data mining techniques. , 2016, , .		6
26	Two-Stage Load Forecasting for Residual Reduction and Economic Dispatch Using PJM Datasets. , 2018, , .		6
27	Optimal Operation of Smart Home Appliances using Deep Learning. , 2018, , .		6
28	Adaptive Hoeffding Tree with Transfer Learning for Streaming Synchrophasor Data Sets. , 2019, , .		6
29	Using phasor data for visualization and data mining in smart-grid applications. , 2015, , .		5
30	Clustering analytics for streaming smart grid datasets. , 2016, , .		5
31	Identification of critical buses based on betweenness-centrality in a smart grid. , 2017, , .		5
32	Short-Term Seasonal Energy Forecasting. , 2018, , .		5
33	An Instance Segmentation and Clustering Model for Energy Audit Assessments in Built Environments: A Multi-Stage Approach. Sensors, 2021, 21, 4375.	2.1	5
34	Computational and numerical analysis of AC optimal power flow formulations on large-scale power grids. Electric Power Systems Research, 2022, 202, 107594.	2.1	5
35	Unmanned Aerial System (UAS) Swarm Design, Flight Patterns, Communication Type, Applications, and Recommendations. , 2022, , .		5
36	Cyber Fraud Economics, Scam Types, and Potential Measures to Protect U.S. Seniors: A Short Review. , 2022, , .		5

#	ARTICLE	IF	CITATIONS
37	User interface for situational awareness of openPDC. , 2014, , .		4
38	A Bloom's Online Assessment Test (BOAT) to assess student learning outcome in a distance engineering education course. , 2010, , .		3
39	Preserving observability in synchrophasors using Optimal Redundancy Criteria (ORC). , 2015, , .		3
40	A density based clustering scheme for situational awareness in a smart-grid. , 2015, , .		3
41	A constrained topological decomposition method for the next-generation smart grid. , 2017, , .		3
42	Residential Load Identification Based on Load Profile using Artificial Neural Network (ANN). , 2019, , .		3
43	Visualizing and Predicting Culex Tarsalis Trapcounts for West Nile Virus (WNV) Disease Incidence using Machine Learning Models. , 2020, , .		3
44	Electronic Control Unit (ECU) Identification for Controller Area Networks (CAN) using Machine Learning. , 2022, , .		3
45	Flickermeter Design: An Improved Method to evaluate Short term Flicker Severity Index &#40;Pst&#41; using Walsh Hadamard Transform &#40;WHT&#41;. , 2010, , .		2
46	Investigation of Price-Feature Selection Algorithms for the Day-Ahead Electricity Markets. , 2018, , .		2
47	Detection of the False Data Injection Attack in Home Area Networks using ANN. , 2019, , .		2
48	Hybrid Machine Learning Models for Accurate Onshore/Offshore Wind Farm Forecasts. , 2022, , .		2
49	Smart Agent Oriented Linear Programming (AOLP) control in electric grid. , 2012, , .		1
50	Optimization of swarms of UAVs. , 2016, , .		1
51	Evaluation of PMU Placements with SORI and ORC Indices for IEEE Test Feeders. , 2018, , .		1
52	Notice of Removal: Short-Term Forecast for Locational Marginal Pricing (LMP) Data Sets. , 2018, , .		1
53	An Object Oriented Graphical User Interface (GUI) for Optimal Placement of Phasor Measurement Units. , 2018, , .		1
54	Heat Loss Estimation using UAS Thermal Imagery. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
55	Smart-Grid Optimization Using A Capacitated Transshipment Problem Solver. Power Electronics and Power Systems, 2017, , 145-180.	0.6	1
56	A 3 Tier Spectrum Management Scheme and Security Assessment in Synchrophasors. , 2014, , .		0
57	A communication assisted solution for a 138kV distance relay misoperation. , 2015, , .		0
58	Equitable wind power scheduling in power system with multiple wind farms. , 2015, , .		0
59	Energy Reallocation in a Smart Grid. Power Electronics and Power Systems, 2017, , 13-24.	0.6	0
60	Placement of Synchrophasors Using Linear Programming and Zero-Injection Constraints. Power Electronics and Power Systems, 2017, , 125-135.	0.6	0
61	Resource Allocation Using Branch and Bound. Power Electronics and Power Systems, 2017, , 25-38.	0.6	0
62	Uncertainty quantification of demand response datasets using peridynamics. , 2017, , .		0
63	Feasibility Study of Solar Energy System at the University of North Dakota. , 2019, , .		0
64	Improving LMP based Day Ahead Forecasts Using Auto Regressive Integrated Moving Average (ARIMA) with Shadow Pricing, EFORd Rates, and Transmission Loss Ratios. , 2019, , .		0
65	Short-Term Forecast Analysis on Wind Power Generation Data. , 2021, , .		0
66	A Secure Wireless Spectrum Control, Error Correction Scheme in Synchrophasors. International Journal of Handheld Computing Research, 2014, 5, 49-59.	0.4	0
67	Maximization of the Utility Function, Time-Dependent Energy Allocation, and Fuzzy-Logic Resource-Allocation Models. Power Electronics and Power Systems, 2017, , 109-124.	0.6	0
68	A Linear Classifier for Decision Support in a Smart Grid. Power Electronics and Power Systems, 2017, , 95-108.	0.6	0
69	Unbiased Optimal Power Flow (OPF) for Power Systems with Wind-Power Generation. Power Electronics and Power Systems, 2017, , 137-143.	0.6	0
70	Resource Allocation Using DW Decomposition. Power Electronics and Power Systems, 2017, , 39-78.	0.6	0