

# Prakash Ranganathan

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54  
papers

408  
citations

13  
h-index

19  
g-index

77  
ext. papers

641  
ext. citations

1.5  
avg, IF

4.31  
L-index

#	Paper	IF	Citations
54	Cybersecurity challenges in vehicular communications. <i>Vehicular Communications</i> , <b>2020</b> , 23, 100214	5.7	49
53	UAV swarm communication and control architectures: a review. <i>Journal of Unmanned Vehicle Systems</i> , <b>2019</b> , 7, 93-106	2.7	35
52	Blockchain Technology for Networked Swarms of Unmanned Aerial Vehicles (UAVs) <b>2019</b> ,		27
51	Notice of Removal: A Review and Future Directions of UAV Swarm Communication Architectures <b>2018</b> ,		25
50	A Hybrid Regression Model for Day-Ahead Energy Price Forecasting. <i>IEEE Access</i> , <b>2019</b> , 7, 36833-36842	3.5	22
49	Cybersecurity Attacks in Vehicular Sensors. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 13752-13767	4	22
48	Development of a GPS spoofing apparatus to attack a DJI Matrice 100 Quadcopter. <i>The Journal of Global Positioning Systems</i> , <b>2018</b> , 16,		21
47	Agent-Oriented Designs for a Self Healing Smart Grid <b>2010</b> ,		21
46	Short-term load forecasting using deep neural networks (DNN) <b>2017</b> ,		20
45	Residential Load Forecasting Using Deep Neural Networks (DNN) <b>2018</b> ,		17
44	Multi-Agent Systems for Resource Allocation and Scheduling in a Smart Grid. <i>Technology and Economics of Smart Grids and Sustainable Energy</i> , <b>2018</b> , 3, 1	2.1	17
43	Optimization models for energy reallocation in a smart grid <b>2011</b> ,		14
42	A Multi-Stage Price Forecasting Model for Day-Ahead Electricity Markets. <i>Forecasting</i> , <b>2019</b> , 1, 26-46	2.3	13
41	A survey on smart grid metering infrastructures: Threats and solutions <b>2015</b> ,		11
40	Uncertainty quantification of wind penetration and integration into smart grid: A survey <b>2017</b> ,		8
39	A Secure Blockchain-based Communication Approach for UAV Networks <b>2020</b> ,		8
38	Distributed Linear Programming Models in a Smart Grid. <i>Power Electronics and Power Systems</i> , <b>2017</b> ,	0.3	6

37	Counter UAS Solutions Through UAV Swarm Environments <b>2019,</b>	6
36	Convolutional Neural Networks (CNNs) for power system big data analysis <b>2017,</b>	5
35	Clustering analytics for streaming smart grid datasets <b>2016,</b>	5
34	Deep Neural Networks (DNN) for Day-Ahead Electricity Price Markets <b>2018,</b>	5
33	Optimal Operation of Residential EVs using DNN and Clustering based Energy Forecast <b>2018,</b>	5
32	Using phasor data for visualization and data mining in smart-grid applications <b>2015,</b>	4
31	Next generation distributed and networked autonomous vehicles: Review <b>2018,</b>	4
30	Investigation of forecasting methods for the hourly spot price of the day-ahead electric power markets <b>2016,</b>	3
29	Predicting West Nile Virus (WNV) occurrences in North Dakota using data mining techniques <b>2016,</b>	3
28	Two-Stage Load Forecasting for Residual Reduction and Economic Dispatch Using PJM Datasets <b>2018,</b>	3
27	Optimal Operation of Smart Home Appliances using Deep Learning <b>2018,</b>	3
26	Detection of the False Data Injection Attack in Home Area Networks using ANN <b>2019,</b>	2
25	Preserving observability in synchrophasors using Optimal Redundancy Criteria (ORC) <b>2015,</b>	2
24	A constrained topological decomposition method for the next-generation smart grid <b>2017,</b>	2
23	User interface for situational awareness of openPDC <b>2014,</b>	2
22	Flickermeter Design: An Improved Method to evaluate Short term Flicker Severity Index (Pst) using Walsh Hadamard Transform (WHT) <b>2010,</b>	2
21	Performance Analysis of Short and Mid-Term Wind Power Prediction using ARIMA and Hybrid Models <b>2021,</b>	2
20	Residential Load Identification Based on Load Profile using Artificial Neural Network (ANN) <b>2019,</b>	2

19	Optimization of swarms of UAVs <b>2016,</b>		1
18	Identification of critical buses based on betweenness-centrality in a smart grid <b>2017,</b>		1
17	A Bloom's Online Assessment Test (BOAT) to assess student learning outcome in a distance engineering education course <b>2010,</b>		1
16	Computational and numerical analysis of AC optimal power flow formulations on large-scale power grids. <i>Electric Power Systems Research</i> , <b>2022</b> , 202, 107594	3.5	1
15	Visualizing and Predicting Culex Tarsalis Trapcounts for West Nile Virus (WNV) Disease Incidence using Machine Learning Models <b>2020,</b>		1
14	Adaptive Hoeffding Tree with Transfer Learning for Streaming Synchrophasor Data Sets <b>2019,</b>		1
13	Evaluation of PMU Placements with SORI and ORC Indices for IEEE Test Feeders <b>2018,</b>		1
12	Short-Term Seasonal Energy Forecasting <b>2018,</b>		1
11	Decomposition of Microgrids in Large-Scale Electric Test Beds for Economic Dispatch Optimization. <i>Power Electronics and Power Systems</i> , <b>2017</b> , 181-200	0.3	
10	Energy Reallocation in a Smart Grid. <i>Power Electronics and Power Systems</i> , <b>2017</b> , 13-24	0.3	
9	Placement of Synchrophasors Using Linear Programming and Zero-Injection Constraints. <i>Power Electronics and Power Systems</i> , <b>2017</b> , 125-135	0.3	
8	Resource Allocation Using Branch and Bound. <i>Power Electronics and Power Systems</i> , <b>2017</b> , 25-38	0.3	
7	A Secure Wireless Spectrum Control, Error Correction Scheme in Synchrophasors. <i>International Journal of Handheld Computing Research</i> , <b>2014</b> , 5, 49-59		
6	Implementation and Testing of the Dantzig-Wolfe Procedure. <i>Power Electronics and Power Systems</i> , <b>2017</b> , 79-90	0.3	
5	Maximization of the Utility Function, Time-Dependent Energy Allocation, and Fuzzy-Logic Resource-Allocation Models. <i>Power Electronics and Power Systems</i> , <b>2017</b> , 109-124	0.3	
4	A Linear Classifier for Decision Support in a Smart Grid. <i>Power Electronics and Power Systems</i> , <b>2017</b> , 95-108	0.3	
3	Unbiased Optimal Power Flow (OPF) for Power Systems with Wind-Power Generation. <i>Power Electronics and Power Systems</i> , <b>2017</b> , 137-143	0.3	
2	Smart-Grid Optimization Using A Capacitated Transshipment Problem Solver. <i>Power Electronics and Power Systems</i> , <b>2017</b> , 145-180	0.3	

1	Resource Allocation Using DW Decomposition. <i>Power Electronics and Power Systems</i> , <b>2017</b> , 39-78	0.3
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