

Abdollah Kavousi-Fard

List of Publications by Year in descending order

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76
papers

4,444
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101384

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76
docs citations

76
times ranked

3191
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective Management of Energy Internet in Renewable Hybrid Microgrids: A Secured Data Driven Resilient Architecture. IEEE Transactions on Industrial Informatics, 2022, 18, 1896-1904.	7.2	43
2	Synergies Between Transportation Systems, Energy Hub and the Grid in Smart Cities. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 7371-7385.	4.7	12
3	Economic Operation of Utility-Connected Microgrids in a Fast and Flexible Framework Considering Non-Dispatchable Energy Sources. Energies, 2022, 15, 2894.	1.6	4
4	Stochastic Modeling and Integration of Plug-In Hybrid Electric Vehicles in Reconfigurable Microgrids With Deep Learning-Based Forecasting. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4394-4403.	4.7	51
5	Resilient microgrid system design for disaster impact mitigation. Sustainable and Resilient Infrastructure, 2021, 6, 56-72.	1.7	11
6	Ultra-Lightweight Mutual Authentication in the Vehicle Based on Smart Contract Blockchain: Case of MITM Attack. IEEE Sensors Journal, 2021, 21, 15839-15848.	2.4	11
7	A robust voltage and current controller of parallel inverters in smart island: A novel approach. Energy, 2021, 214, 118879.	4.5	18
8	Stochastic synergies of urban transportation system and smart grid in smart cities considering V2G and V2S concepts. Energy, 2021, 215, 119054.	4.5	27
9	An Evolutionary Deep Learning-Based Anomaly Detection Model for Securing Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4478-4486.	4.7	19
10	A Machine-Learning-Based Cyber Attack Detection Model for Wireless Sensor Networks in Microgrids. IEEE Transactions on Industrial Informatics, 2021, 17, 650-658.	7.2	68
11	Cyber Attack Detection Based on Wavelet Singular Entropy in AC Smart Islands: False Data Injection Attack. IEEE Access, 2021, 9, 16488-16507.	2.6	32
12	Optimal uncertainty-guided neural network training. Applied Soft Computing Journal, 2021, 99, 106878.	4.1	24
13	Blockchain-Based Stochastic Energy Management of Interconnected Microgrids Considering Incentive Price. IEEE Transactions on Control of Network Systems, 2021, 8, 1201-1211.	2.4	32
14	Blockchain-Based Securing of Data Exchange in a Power Transmission System Considering Congestion Management and Social Welfare. Sustainability, 2021, 13, 90.	1.6	149
15	Sensitivity Analysis of Renewable Energy Integration on Stochastic Energy Management of Automated Reconfigurable Hybrid AC-DC Microgrid Considering DLR Security Constraint. IEEE Transactions on Industrial Informatics, 2020, 16, 120-131.	7.2	64
16	A Novel Two-Stage Multi-Layer Constrained Spectral Clustering Strategy for Intentional Islanding of Power Grids. IEEE Transactions on Power Delivery, 2020, 35, 560-570.	2.9	36
17	An Intelligent Data-Driven Model to Secure Intravehicle Communications Based on Machine Learning. IEEE Transactions on Industrial Electronics, 2020, 67, 5112-5119.	5.2	43
18	Real-time monitoring and operation of microgrid using distributed cloud-fog architecture. Journal of Parallel and Distributed Computing, 2020, 146, 15-24.	2.7	13

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19	DoS-Resilient Distributed Optimal Scheduling in a Fog Supporting IIoT-Based Smart Microgrid. IEEE Transactions on Industry Applications, 2020, 56, 2968-2977.	3.3	48
20	Economic Assessment of Distributed Generation Technologies: A Feasibility Study and Comparison with the Literature. Energies, 2020, 13, 2764.	1.6	22
21	A Novel Distributed Cloud-Fog Based Framework for Energy Management of Networked Microgrids. IEEE Transactions on Power Systems, 2020, 35, 2847-2862.	4.6	61
22	Cybersecurity Enhancement of Power Trading Within the Networked Microgrids Based on Blockchain and Directed Acyclic Graph Approach. IEEE Transactions on Industry Applications, 2019, 55, 7300-7309.	3.3	111
23	Two-stage stochastic operation framework for optimal management of the water-energy hub. IET Generation, Transmission and Distribution, 2019, 13, 5218-5228.	1.4	1
24	A Predictive KH-Based Model to Enhance the Performance of Industrial Electric Arc Furnaces. IEEE Transactions on Industrial Electronics, 2019, 66, 7976-7985.	5.2	8
25	Stochastic Electricity Social Welfare Enhancement Based on Consensus Neighbor Virtualization. IEEE Transactions on Industrial Electronics, 2019, 66, 9571-9580.	5.2	10
26	Effective Scheduling of Reconfigurable Microgrids With Dynamic Thermal Line Rating. IEEE Transactions on Industrial Electronics, 2019, 66, 1552-1564.	5.2	134
27	Effective Dynamic Scheduling of Reconfigurable Microgrids. IEEE Transactions on Power Systems, 2018, 33, 5519-5530.	4.6	73
28	A New Efficient Stochastic Energy Management Technique for Interconnected AC Microgrids. , 2018, , .		19
29	Stochastic Resilient Post-Hurricane Power System Recovery Based on Mobile Emergency Resources and Reconfigurable Networked Microgrids. IEEE Access, 2018, 6, 72311-72326.	2.6	79
30	Reactive Power Compensation in Electric Arc Furnaces Using Prediction Intervals. IEEE Transactions on Industrial Electronics, 2017, 64, 5295-5304.	5.2	21
31	A Combined Prognostic Model Based on Machine Learning for Tidal Current Prediction. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3108-3114.	2.7	37
32	A Novel Probabilistic Method to Model the Uncertainty of Tidal Prediction. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 828-833.	2.7	18
33	A Hybrid Accurate Model for Tidal Current Prediction. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 112-118.	2.7	41
34	Modeling Uncertainty in Tidal Current Forecast Using Prediction Interval-Based SVR. IEEE Transactions on Sustainable Energy, 2017, 8, 708-715.	5.9	44
35	Optimal energy management of smart renewable micro-grids in the reconfigurable systems using adaptive harmony search algorithm. International Journal of Bio-Inspired Computation, 2016, 8, 184.	0.6	23
36	Improved efficiency, enhanced reliability and reduced cost: The transition from static microgrids to reconfigurable microgrids. Electricity Journal, 2016, 29, 22-27.	1.3	20

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37	An intelligent \hat{I} -Modified Bat Algorithm to solve the non-convex economic dispatch problem considering practical constraints. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 82, 189-196.	3.3	41
38	Efficient integration of plug-in electric vehicles via reconfigurable microgrids. <i>Energy</i> , 2016, 111, 653-663.	4.5	106
39	A New Fuzzy-Based Combined Prediction Interval for Wind Power Forecasting. <i>IEEE Transactions on Power Systems</i> , 2016, 31, 18-26.	4.6	171
40	Optimal stochastic management of renewable MG (micro-grids) considering electro-thermal model of PV (photovoltaic). <i>Energy</i> , 2016, 97, 444-459.	4.5	28
41	Optimal scheduling of renewable micro-grids considering plug-in hybrid electric vehicle charging demand. <i>Energy</i> , 2016, 100, 285-297.	4.5	142
42	Optimal probabilistic reconfiguration of smart distribution grids considering penetration of plug-in hybrid electric vehicles. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 29, 1847-1855.	0.8	34
43	Stochastic Reconfiguration and Optimal Coordination of V2G Plug-in Electric Vehicles Considering Correlated Wind Power Generation. <i>IEEE Transactions on Sustainable Energy</i> , 2015, 6, 822-830.	5.9	152
44	Expected Cost Minimization of Smart Grids With Plug-In Hybrid Electric Vehicles Using Optimal Distribution Feeder Reconfiguration. <i>IEEE Transactions on Industrial Informatics</i> , 2015, 11, 388-397.	7.2	137
45	Combining self-organizing maps with WQI and PCA for assessing surface water quality "a case study, Kor River, southwest Iran. <i>International Journal of River Basin Management</i> , 2015, 13, 41-49.	1.5	6
46	An smart stochastic approach to model plug-in hybrid electric vehicles charging effect in the optimal operation of micro-grids. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 28, 835-842.	0.8	30
47	Multi-objective probabilistic reconfiguration considering uncertainty and multi-level load model. <i>IET Science, Measurement and Technology</i> , 2015, 9, 44-55.	0.9	28
48	A novel stochastic framework for energy management in renewable micro-grids considering uncertainty of measurement and forecasting. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 28, 999-1008.	0.8	11
49	Effect of wind turbine on the economic load dispatch problem considering the wind speed uncertainty. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 28, 693-705.	0.8	8
50	Reliability-Oriented Reconfiguration of Vehicle-to-Grid Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2015, 11, 682-691.	7.2	73
51	Impact of Hydrogen Production and Thermal Energy Recovery of PEMFCPPs on Optimal Management of Renewable Microgrids. <i>IEEE Transactions on Industrial Informatics</i> , 2015, 11, 1190-1197.	7.2	31
52	Optimal distribution feeder reconfiguration for increasing the penetration of plug-in electric vehicles and minimizing network costs. <i>Energy</i> , 2015, 93, 1693-1703.	4.5	38
53	A novel multi-objective self-adaptive modified \hat{I} -firefly algorithm for optimal operation management of stochastic DFR strategy. <i>International Transactions on Electrical Energy Systems</i> , 2015, 25, 976-993.	1.2	8
54	A novel adaptive modified harmony search algorithm to solve multi-objective environmental/economic dispatch. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014, 26, 2817-2823.	0.8	25

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55	Stochastic framework for reliability enhancement using optimal feeder reconfiguration. Journal of Systems Engineering and Electronics, 2014, 25, 901-910.	1.1	33
56	A hybrid fuzzy-PEM stochastic framework to solve the optimal operation management of distribution feeder reconfiguration considering wind turbines. Journal of Intelligent and Fuzzy Systems, 2014, 26, 1711-1721.	0.8	32
57	An intelligent multi-objective stochastic framework to solve the distribution feeder reconfiguration considering uncertainty. Journal of Intelligent and Fuzzy Systems, 2014, 26, 2215-2227.	0.8	17
58	Short term load forecasting of distribution systems by a new hybrid modified FA-backpropagation method. Journal of Intelligent and Fuzzy Systems, 2014, 26, 517-522.	0.8	28
59	A novel sufficient bio-inspired optimisation method based on modified krill herd algorithm to solve the economic load dispatch. International Journal of Bio-Inspired Computation, 2014, 6, 416.	0.6	12
60	Impact of plug-in hybrid electric vehicles charging demand on the optimal energy management of renewable micro-grids. Energy, 2014, 78, 904-915.	4.5	116
61	Optimal stochastic capacitor placement problem from the reliability and cost views using firefly algorithm. IET Science, Measurement and Technology, 2014, 8, 260-269.	0.9	27
62	A hybrid method based on wavelet, ANN and ARIMA model for short-term load forecasting. Journal of Experimental and Theoretical Artificial Intelligence, 2014, 26, 167-182.	1.8	100
63	Optimal Distribution Feeder Reconfiguration for Reliability Improvement Considering Uncertainty. IEEE Transactions on Power Delivery, 2014, 29, 1344-1353.	2.9	195
64	Multi-objective stochastic Distribution Feeder Reconfiguration from the reliability point of view. Energy, 2014, 64, 342-354.	4.5	104
65	A new hybrid Modified Firefly Algorithm and Support Vector Regression model for accurate Short Term Load Forecasting. Expert Systems With Applications, 2014, 41, 6047-6056.	4.4	334
66	Multi-objective probabilistic distribution feeder reconfiguration considering wind power plants. International Journal of Electrical Power and Energy Systems, 2014, 55, 680-691.	3.3	57
67	Intelligent stochastic framework to solve the reconfiguration problem from the reliability view. IET Science, Measurement and Technology, 2014, 8, 245-259.	0.9	30
68	Probabilistic multiple distribution static compensator placement and sizing based on the two-point estimate method. International Journal of Sustainable Energy, 2014, 33, 1041-1053.	1.3	10
69	Reliability enhancement using optimal distribution feeder reconfiguration. Neurocomputing, 2013, 106, 1-11.	3.5	109
70	Considering uncertainty in the multi-objective stochastic capacitor allocation problem using a novel self adaptive modification approach. Electric Power Systems Research, 2013, 103, 16-27.	2.1	55
71	A new hybrid correction method for short-term load forecasting based on ARIMA, SVR and CSA. Journal of Experimental and Theoretical Artificial Intelligence, 2013, 25, 559-574.	1.8	64
72	A new fuzzy-based feature selection and hybrid TLAA“ANN modelling for short-term load forecasting. Journal of Experimental and Theoretical Artificial Intelligence, 2013, 25, 543-557.	1.8	37

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73	Multi-Objective Stochastic Distribution Feeder Reconfiguration in Systems With Wind Power Generators and Fuel Cells Using the Point Estimate Method. IEEE Transactions on Power Systems, 2013, 28, 1483-1492.	4.6	148
74	Considering uncertainty in the optimal energy management of renewable micro-grids including storage devices. Renewable Energy, 2013, 59, 158-166.	4.3	218
75	Multi-objective stochastic distribution feeder reconfiguration problem considering hydrogen and thermal energy production by fuel cell power plants. Energy, 2012, 42, 563-573.	4.5	103
76	Distribution feeder reconfiguration considering fuel cell/wind/photovoltaic power plants. Renewable Energy, 2012, 37, 213-225.	4.3	119