

Abdollah Kavousi-Fard

List of Publications by Year in descending order

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76
papers

4,444
citations

101496

36
h-index

106281

65
g-index

76
all docs

76
docs citations

76
times ranked

3191
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Considering uncertainty in the optimal energy management of renewable micro-grids including storage devices. Renewable Energy, 2013, 59, 158-166.	4.3	218
3	Optimal Distribution Feeder Reconfiguration for Reliability Improvement Considering Uncertainty. IEEE Transactions on Power Delivery, 2014, 29, 1344-1353.	2.9	195
4	A New Fuzzy-Based Combined Prediction Interval for Wind Power Forecasting. IEEE Transactions on Power Systems, 2016, 31, 18-26.	4.6	171
5	Stochastic Reconfiguration and Optimal Coordination of V2G Plug-in Electric Vehicles Considering Correlated Wind Power Generation. IEEE Transactions on Sustainable Energy, 2015, 6, 822-830.	5.9	152
6	Blockchain-Based Securing of Data Exchange in a Power Transmission System Considering Congestion Management and Social Welfare. Sustainability, 2021, 13, 90.	1.6	149
7	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
8	Optimal scheduling of renewable micro-grids considering plug-in hybrid electric vehicle charging demand. Energy, 2016, 100, 285-297.	4.5	142
9	Expected Cost Minimization of Smart Grids With Plug-In Hybrid Electric Vehicles Using Optimal Distribution Feeder Reconfiguration. IEEE Transactions on Industrial Informatics, 2015, 11, 388-397.	7.2	137
10	Effective Scheduling of Reconfigurable Microgrids With Dynamic Thermal Line Rating. IEEE Transactions on Industrial Electronics, 2019, 66, 1552-1564.	5.2	134
11	Distribution feeder reconfiguration considering fuel cell/wind/photovoltaic power plants. Renewable Energy, 2012, 37, 213-225.	4.3	119
12	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
13	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
14	Reliability enhancement using optimal distribution feeder reconfiguration. Neurocomputing, 2013, 106, 1-11.	3.5	109
15	Efficient integration of plug-in electric vehicles via reconfigurable microgrids. Energy, 2016, 111, 653-663.	4.5	106
16	Multi-objective stochastic Distribution Feeder Reconfiguration from the reliability point of view. Energy, 2014, 64, 342-354.	4.5	104
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Reliability-Oriented Reconfiguration of Vehicle-to-Grid Networks. IEEE Transactions on Industrial Informatics, 2015, 11, 682-691.	7.2	73
21	Effective Dynamic Scheduling of Reconfigurable Microgrids. IEEE Transactions on Power Systems, 2018, 33, 5519-5530.	4.6	73
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	Modeling Uncertainty in Tidal Current Forecast Using Prediction Interval-Based SVR. IEEE Transactions on Sustainable Energy, 2017, 8, 708-715.	5.9	44
31	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
32	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
33	An intelligent \hat{I} -Modified Bat Algorithm to solve the non-convex economic dispatch problem considering practical constraints. International Journal of Electrical Power and Energy Systems, 2016, 82, 189-196.	3.3	41
34	A Hybrid Accurate Model for Tidal Current Prediction. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 112-118.	2.7	41
35	Optimal distribution feeder reconfiguration for increasing the penetration of plug-in electric vehicles and minimizing network costs. Energy, 2015, 93, 1693-1703.	4.5	38
36	A new fuzzy-based feature selection and hybrid TLA-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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37	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
38	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
39	Optimal probabilistic reconfiguration of smart distribution grids considering penetration of plug-in hybrid electric vehicles. Journal of Intelligent and Fuzzy Systems, 2015, 29, 1847-1855.	0.8	34
40	Stochastic framework for reliability enhancement using optimal feeder reconfiguration. Journal of Systems Engineering and Electronics, 2014, 25, 901-910.	1.1	33
41	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
42	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
43	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
44	Impact of Hydrogen Production and Thermal Energy Recovery of PEMFCPPs on Optimal Management of Renewable Microgrids. IEEE Transactions on Industrial Informatics, 2015, 11, 1190-1197.	7.2	31
45	Intelligent stochastic framework to solve the reconfiguration problem from the reliability view. IET Science, Measurement and Technology, 2014, 8, 245-259.	0.9	30
46	An smart stochastic approach to model plug-in hybrid electric vehicles charging effect in the optimal operation of micro-grids. Journal of Intelligent and Fuzzy Systems, 2015, 28, 835-842.	0.8	30
47	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
48	Multi-objective probabilistic reconfiguration considering uncertainty and multi-level load model. IET Science, Measurement and Technology, 2015, 9, 44-55.	0.9	28
49	Optimal stochastic management of renewable MG (micro-grids) considering electro-thermal model of PV (photovoltaic). Energy, 2016, 97, 444-459.	4.5	28
50	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
51	Stochastic synergies of urban transportation system and smart grid in smart cities considering V2G and V2S concepts. Energy, 2021, 215, 119054.	4.5	27
52	A novel adaptive modified harmony search algorithm to solve multi-objective environmental/economic dispatch. Journal of Intelligent and Fuzzy Systems, 2014, 26, 2817-2823.	0.8	25
53	Optimal uncertainty-guided neural network training. Applied Soft Computing Journal, 2021, 99, 106878.	4.1	24
54	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

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55	Economic Assessment of Distributed Generation Technologies: A Feasibility Study and Comparison with the Literature. <i>Energies</i> , 2020, 13, 2764.	1.6	22
56	Reactive Power Compensation in Electric Arc Furnaces Using Prediction Intervals. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 5295-5304.	5.2	21
57	Improved efficiency, enhanced reliability and reduced cost: The transition from static microgrids to reconfigurable microgrids. <i>Electricity Journal</i> , 2016, 29, 22-27.	1.3	20
58	A New Efficient Stochastic Energy Management Technique for Interconnected AC Microgrids. , 2018, , .		19
59	An Evolutionary Deep Learning-Based Anomaly Detection Model for Securing Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 4478-4486.	4.7	19
60	A Novel Probabilistic Method to Model the Uncertainty of Tidal Prediction. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 828-833.	2.7	18
61	A robust voltage and current controller of parallel inverters in smart island: A novel approach. <i>Energy</i> , 2021, 214, 118879.	4.5	18
62	An intelligent multi-objective stochastic framework to solve the distribution feeder reconfiguration considering uncertainty. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014, 26, 2215-2227.	0.8	17
63	Real-time monitoring and operation of microgrid using distributed cloudâ€‘fog architecture. <i>Journal of Parallel and Distributed Computing</i> , 2020, 146, 15-24.	2.7	13
64	A novel sufficient bio-inspired optimisation method based on modified krill herd algorithm to solve the economic load dispatch. <i>International Journal of Bio-Inspired Computation</i> , 2014, 6, 416.	0.6	12
65	Synergies Between Transportation Systems, Energy Hub and the Grid in Smart Cities. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 7371-7385.	4.7	12
66	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
67	Resilient microgrid system design for disaster impact mitigation. <i>Sustainable and Resilient Infrastructure</i> , 2021, 6, 56-72.	1.7	11
68	Ultra-Lightweight Mutual Authentication in the Vehicle Based on Smart Contract Blockchain: Case of MITM Attack. <i>IEEE Sensors Journal</i> , 2021, 21, 15839-15848.	2.4	11
69	Probabilistic multiple distribution static compensator placement and sizing based on the two-point estimate method. <i>International Journal of Sustainable Energy</i> , 2014, 33, 1041-1053.	1.3	10
70	Stochastic Electricity Social Welfare Enhancement Based on Consensus Neighbor Virtualization. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 9571-9580.	5.2	10
71	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
72	A novel multi-objective self-adaptive modifiedÎ±-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

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73	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
74	Combining self-organizing maps with WQI and PCA for assessing surface water quality – a case study, Kor River, southwest Iran. International Journal of River Basin Management, 2015, 13, 41-49.	1.5	6
75	Economic Operation of Utility-Connected Microgrids in a Fast and Flexible Framework Considering Non-Dispatchable Energy Sources. Energies, 2022, 15, 2894.	1.6	4
76	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