Mohammad Rastegar

List of Publications by Year
in descending order

51 papers	2,061 citations	331670 21 h-index	243625 44 g-index
52 all docs	52 docs citations	52 times ranked	2033 citing authors

#	Article	IF	Citations
1	Investigating the Impacts of Plug-in Hybrid Electric Vehicles on Power Distribution Systems. IEEE Transactions on Smart Grid, 2013, 4, 1351-1360.	9.0	417
2	Load commitment in a smart home. Applied Energy, 2012, 96, 45-54.	10.1	196
3	A Probabilistic Energy Management Scheme for Renewable-Based Residential Energy Hubs. IEEE Transactions on Smart Grid, 2017, 8, 2217-2227.	9.0	170
4	Home load management in a residential energy hub. Electric Power Systems Research, 2015, 119, 322-328.	3.6	153
5	Optimal Sizing of Storage System in a Fast Charging Station for Plug-in Hybrid Electric Vehicles. IEEE Transactions on Transportation Electrification, 2016, 2, 443-453.	7.8	152
6	Deep-Based Conditional Probability Density Function Forecasting of Residential Loads. IEEE Transactions on Smart Grid, 2020, 11, 3646-3657.	9.0	93
7	Multi-agent microgrid energy management based on deep learning forecaster. Energy, 2019, 186, 115873.	8.8	83
8	Advanced Deep Learning Approach for Probabilistic Wind Speed Forecasting. IEEE Transactions on Industrial Informatics, 2021, 17, 720-727.	11.3	67
9	Multiagent Reinforcement Learning for Energy Management in Residential Buildings. IEEE Transactions on Industrial Informatics, 2021, 17, 659-666.	11.3	66
10	Outage Management in Residential Demand Response Programs. IEEE Transactions on Smart Grid, 2015, 6, 1453-1462.	9.0	51
11	Developing a Two-Level Framework for Residential Energy Management. IEEE Transactions on Smart Grid, 2016, , 1-1.	9.0	40
12	Dynamic Structural Sizing of Residential Energy Hubs. IEEE Transactions on Sustainable Energy, 2020, 11, 1236-1246.	8.8	39
13	Resilience-oriented intentional islanding of reconfigurable distribution power systems. Journal of Modern Power Systems and Clean Energy, 2019, 7, 741-752.	5.4	36
14	Impacts of Residential Energy Management on Reliability of Distribution Systems Considering a Customer Satisfaction Model. IEEE Transactions on Power Systems, 2018, 33, 6062-6073.	6.5	34
15	Probabilistic deep neural network price forecasting based on residential load and wind speed predictions. IET Renewable Power Generation, 2019, 13, 1840-1848.	3.1	33
16	Probabilistic energy consumption analysis in buildings using point estimate method. Energy, 2018, 142, 716-722.	8.8	31
17	Stochastic Charging Optimization of V2G-Capable PEVs: A Comprehensive Model for Battery Aging and Customer Service Quality. IEEE Transactions on Transportation Electrification, 2020, 6, 1026-1034.	7.8	29
18	Outage Cause Detection in Power Distribution Systems Based on Data Mining. IEEE Transactions on Industrial Informatics, 2021, 17, 640-649.	11.3	29

#	Article	IF	Citations
19	Security-based critical power distribution feeder identification: Application of fuzzy BWM-VIKOR and SECA. International Journal of Electrical Power and Energy Systems, 2022, 134, 107395.	5.5	27
20	Probabilistic Optimal Dynamic Planning of Onsite Solar Generation for Residential Energy Hubs. IEEE Systems Journal, 2020, 14, 832-841.	4.6	26
21	Optimal design of reward-penalty demand response programs in smart power grids. Sustainable Cities and Society, 2020, 60, 102150.	10.4	24
22	Incorporating Customer Reliability Cost in PEV Charge Scheduling Schemes Considering Vehicle to Home Capability. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	22
23	Deep learning architecture for direct probability density prediction of smallâ€scale solar generation. IET Generation, Transmission and Distribution, 2020, 14, 2017-2025.	2.5	22
24	Optimal reliability-centered maintenance strategy based on the failure modes and effect analysis in power distribution systems. Electric Power Systems Research, 2022, 203, 107647.	3.6	19
25	Impacts of plug-in hybrid electric vehicle uncertainty and grid unavailability on home load management. , 2012, , .		14
26	Inverse Reliability Evaluation in Power Distribution Systems. IEEE Transactions on Power Systems, 2020, 35, 818-820.	6.5	13
27	An Advanced Satisfaction-Based Home Energy Management System Using Deep Reinforcement Learning. IEEE Access, 2022, 10, 47896-47905.	4.2	13
28	Wind Turbine Fault Diagnosis with Generative-Temporal Convolutional Neural Network. , 2019, , .		12
29	Composite generation and transmission expansion planning toward high renewable energy penetration in Iran power grid. IET Renewable Power Generation, 2020, 14, 1520-1528.	3.1	12
30	Developing a twoâ€step method to implement residential demand response programmes in multiâ€carrier energy systems. IET Generation, Transmission and Distribution, 2018, 12, 2614-2623.	2.5	11
31	Generation and transmission expansion planning for bulk renewable energy export considering transmission service cost allocation. Electric Power Systems Research, 2021, 196, 107197.	3.6	11
32	Distributed reinforcement learning energy management approach in multiple residential energy hubs. Sustainable Energy, Grids and Networks, 2022, 32, 100795.	3.9	11
33	An FBWM-TOPSIS Approach to Identify Critical Feeders for Reliability Centered Maintenance in Power Distribution Systems. IEEE Systems Journal, 2021, 15, 3893-3901.	4.6	10
34	Short-term individual residential load forecasting using an enhanced machine learning-based approach based on a feature engineering framework: A comparative study with deep learning methods. Electric Power Systems Research, 2022, 210, 108119.	3.6	10
35	Ensemble Kalman Filter based Dynamic State Estimation of PMSG-based Wind Turbine. , 2019, , .		9
36	Decision treeâ€based classifiers for rootâ€cause detection of equipmentâ€related distribution power system outages. IET Generation, Transmission and Distribution, 2020, 14, 5809-5815.	2.5	9

#	Article	IF	Citations
37	Risk-constrained stochastic market operation strategies for wind power producers and energy storage systems. Energy, 2021, 215, 119092.	8.8	8
38	Improving direct load control implementation by an inititative load control method. , 2013, , .		7
39	Data-Driven Charging Load Estimation of Behind-the-Meter V2G-Capable EVs. IEEE Transactions on Industry Applications, 2023, 59, 7949-7956.	4.9	7
40	An improved transformation based probabilistic load flow analysis using appropriate reference variable. International Journal of Electrical Power and Energy Systems, 2020, 120, 106052.	5.5	7
41	Stochastic Optimal Sizing of Plug-in Electric Vehicle Parking Lots in Reconfigurable Power Distribution Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17003-17014.	8.0	6
42	Optimal In-Home Charge Scheduling of Plug-in Electric Vehicles Incorporating Customerâ€™s Payment and Inconvenience Costs. Power Systems, 2015, , 301-326.	0.5	5
43	Probabilistic Load Flow Based on Parameterized Probability-Boxes for Systems With Insufficient Information. IEEE Access, 2021, 9, 161038-161045.	4.2	5
44	Stochastic distributed microgrid energy management based on overâ€relaxed alternative direction method of multipliers. IET Renewable Power Generation, 2020, 14, 2639-2648.	3.1	4
45	Distributed Two-Level Energy Scheduling of Networked Regional Integrated Energy Systems. IEEE Systems Journal, 2022, 16, 5433-5444.	4.6	4
46	Incorporating home energy management in distribution system reliability evaluations. , 2017, , .		3
47	Real-Time Estimation Frameworks for Feeder-Level Load Disaggregation and PEVs Charging Behavior Characteristics Extraction. IEEE Transactions on Industrial Informatics, 2021, , 1-1.	11.3	3
48	Data mining-based cause identification of momentary outages in power distribution systems. Sustainable Cities and Society, 2022, 77, 103587.	10.4	3
49	Probabilistic Energy Efficiency Analysis in Buildings Using Statistical Methods. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 1133-1145.	2.3	2
50	Optimal Structuring of Microgrid Distributed State Estimation. Electric Power Components and Systems, 2021, 49, 1278-1288.	1.8	1
51	Hierarchical Microenergy Hub Sizing and Placement in Integrated Electricity and Natural Gas Distribution Systems. IEEE Systems Journal, 2022, , 1-12.	4.6	0