

# Mahmoud Fotuhi-Firuzabad

## List of Publications by Year in descending order

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269  
papers

11,854  
citations

25014

57  
h-index

33869

99  
g-index

270  
all docs

270  
docs citations

270  
times ranked

7111  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Two-Stage Flexibility-Oriented Stochastic Energy Management Strategy for Multi-Microgrids Considering Interaction With Gas Grid. IEEE Transactions on Engineering Management, 2023, 70, 3330-3343.	2.4	12
2	Uncertainty Cost of Stochastic Producers: Metrics and Impacts on Power Grid Flexibility. IEEE Transactions on Engineering Management, 2022, 69, 708-719.	2.4	11
3	An Enhanced MILP Model for Multistage Reliability-Constrained Distribution Network Expansion Planning. IEEE Transactions on Power Systems, 2022, 37, 118-131.	4.6	34
4	Reliability-Based Optimal Bidding Strategy of a Technical Virtual Power Plant. IEEE Systems Journal, 2022, 16, 1080-1091.	2.9	15
5	A linearized transmission expansion planning model under $N-1$ criterion for enhancing grid-scale system flexibility via compressed air energy storage integration. IET Generation, Transmission and Distribution, 2022, 16, 208-218.	1.4	10
6	Distributed Transactive Framework for Congestion Management of Multiple-Microgrid Distribution Systems. IEEE Transactions on Smart Grid, 2022, 13, 1335-1346.	6.2	12
7	Iterative Machine Learning-Aided Framework Bridges Between Fatigue and Creep Damages in Solder Interconnections. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 349-358.	1.4	17
8	A Bi-Level Framework for Expansion Planning in Active Power Distribution Networks. IEEE Transactions on Power Systems, 2022, 37, 2639-2654.	4.6	18
9	Pandemic-Aware Day-Ahead Demand Forecasting Using Ensemble Learning. IEEE Access, 2022, 10, 7098-7106.	2.6	15
10	Optimization model of a VPP to provide energy and reserve. , 2022, , 59-109.		1
11	A multi-objective framework for distributed energy resources planning and storage management. Applied Energy, 2022, 314, 118887.	5.1	28
12	Optimal energy management of distribution networks in post-contingency conditions. International Journal of Electrical Power and Energy Systems, 2022, 141, 108022.	3.3	5
13	Peer-to-peer management of energy systems. , 2022, , 369-389.		0
14	Incentive-Based Flexible-Ramp-Up Management in Multi-Microgrid Distribution Systems. IEEE Systems Journal, 2022, 16, 5011-5022.	2.9	7
15	A new management framework for mitigating intense ramping in distribution systems. Energy, 2022, 254, 124100.	4.5	3
16	Decentralized Active Power Management in Multi-Agent Distribution Systems Considering Congestion Issue. IEEE Transactions on Smart Grid, 2022, 13, 3582-3593.	6.2	11
17	Reliability-Based Expansion Planning Studies of Active Distribution Networks With Multiagents. IEEE Transactions on Smart Grid, 2022, 13, 4610-4623.	6.2	14
18	A Transactive-Based Control Scheme for Minimizing Real-Time Energy Imbalance in a Multiagent Microgrid: A CVaR-Based Model. IEEE Systems Journal, 2022, 16, 4164-4174.	2.9	2

#	ARTICLE	IF	CITATIONS
19	A Robust MPC Method for Post-Disaster Distribution System Reconfiguration based on Repair Crew Routing. , 2022, , .		0
20	Model-based Reliability-Centered Design of Power Electronics Dominated Microgrids. , 2022, , .		0
21	Modeling and Optimizing Recovery Strategies for Power Distribution System Resilience. IEEE Systems Journal, 2021, 15, 4725-4734.	2.9	24
22	Enhancing electricity market flexibility by deploying ancillary services for flexible ramping product procurement. Electric Power Systems Research, 2021, 191, 106878.	2.1	8
23	An Incentive-Based Mechanism to Alleviate Active Power Congestion in a Multi-Agent Distribution System. IEEE Transactions on Smart Grid, 2021, 12, 1978-1988.	6.2	26
24	An online method for MILP co-planning model of large-scale transmission expansion planning and energy storage systems considering N-1 criterion. IET Generation, Transmission and Distribution, 2021, 15, 664-677.	1.4	9
25	Controlled Islanding for Enhancing Grid Resilience Against Power System Blackout. IEEE Transactions on Power Delivery, 2021, 36, 2386-2396.	2.9	16
26	Reliability Modeling of Multistate Degraded Power Electronic Converters With Simultaneous Exposure to Dependent Competing Failure Processes. IEEE Access, 2021, 9, 67096-67108.	2.6	10
27	Modeling and Quantification of Power System Resilience to Natural Hazards: A Case of Landslide. IEEE Access, 2021, 9, 80300-80309.	2.6	4
28	An MILP Model for Optimal Placement of Sectionalizing Switches and Tie Lines in Distribution Networks With Complex Topologies. IEEE Transactions on Smart Grid, 2021, 12, 4740-4751.	6.2	18
29	Improved Markov Model for Reliability Assessment of Isolated Multiple-Switch PWM DC-DC Converters. IEEE Access, 2021, 9, 33666-33674.	2.6	20
30	Reliability Assessment of Conventional Isolated PWM DC-DC Converters. IEEE Access, 2021, 9, 46191-46200.	2.6	21
31	Decision-Making Tree Analysis for Industrial Load Classification in Demand Response Programs. IEEE Transactions on Industry Applications, 2021, 57, 26-35.	3.3	14
32	Investigating the Effects of ESS Technologies on High Wind-Penetration Power Grids Considering Reliability Indices. , 2021, , .		3
33	Flexibility-based operational management of a microgrid considering interaction with gas grid. IET Generation, Transmission and Distribution, 2021, 15, 2673-2683.	1.4	22
34	A Novel Multi-Area Distribution State Estimation Approach for Active Networks. Energies, 2021, 14, 1772.	1.6	5
35	Monthly Electricity Consumption Forecasting: A Step-Reduction Strategy and Autoencoder Neural Network. IEEE Industry Applications Magazine, 2021, 27, 90-102.	0.3	5
36	Network-Constrained Transactive Coordination for Plug-In Electric Vehicles Participation in Real-Time Retail Electricity Markets. IEEE Transactions on Sustainable Energy, 2021, 12, 1439-1448.	5.9	33

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37	Proof of humanity: A tax-aware society-centric consensus algorithm for Blockchains. Peer-to-Peer Networking and Applications, 2021, 14, 3634-3646.	2.6	6
38	Reliability incentive regulation based on reward&penalty mechanism using distribution feeders clustering. International Transactions on Electrical Energy Systems, 2021, 31, e12958.	1.2	1
39	Electricity distribution grids resilience enhancement by network reconfiguration. International Transactions on Electrical Energy Systems, 2021, 31, e13047.	1.2	7
40	Transactive Energy Management Framework for Active Distribution Systems. , 2021, , .		7
41	Optimization-Based Distribution System Reliability Evaluation: An Enhanced MILP Model. , 2021, , .		1
42	A reliability model for overcurrent relays considering harmonic-related malfunctions. International Journal of Electrical Power and Energy Systems, 2021, 131, 107093.	3.3	12
43	Developing a Distributed Robust Energy Management Framework for Active Distribution Systems. IEEE Transactions on Sustainable Energy, 2021, 12, 1891-1902.	5.9	34
44	Decentralized transactive energy management of multi-microgrid distribution systems based on ADMM. International Journal of Electrical Power and Energy Systems, 2021, 132, 107126.	3.3	47
45	Thermal analysis of non&isolated conventional PWM&based DC&DC converters with reliability consideration. IET Power Electronics, 2021, 14, 337-351.	1.5	5
46	Reliability assessment of distribution system with the integration of photovoltaic and energy storage systems. Sustainable Energy, Grids and Networks, 2021, 28, 100554.	2.3	20
47	A New Framework for Mitigating Voltage Regulation Issue in Active Distribution Systems Considering Local Responsive Resources. IEEE Access, 2021, 9, 152585-152594.	2.6	7
48	Determining the Optimum Network Division Scheme for Multi-area Distribution System State Estimation. , 2021, , .		1
49	Management of Flexible Resources for Voltage Regulation of Distribution Systems. , 2021, , .		0
50	Greedy Clustering-based Monthly Electricity Consumption Forecasting Model. , 2021, , .		2
51	Energy Storage Planning for Enhanced Resilience of Power Distribution Networks Against Earthquakes. IEEE Transactions on Sustainable Energy, 2020, 11, 795-806.	5.9	144
52	Detecting the Location of Short-Circuit Faults in Active Distribution Network Using PMU-Based State Estimation. IEEE Transactions on Smart Grid, 2020, 11, 1396-1406.	6.2	89
53	Electrical Power System Resilience Assessment: A Comprehensive Approach. IEEE Systems Journal, 2020, 14, 2643-2652.	2.9	35
54	Risk-Based Networked-Constrained Unit Commitment Considering Correlated Power System Uncertainties. IEEE Transactions on Smart Grid, 2020, 11, 1781-1791.	6.2	13

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55	Reliability Evaluation of Power Grids Considering Integrity Attacks Against Substation Protective IEDs. IEEE Transactions on Industrial Informatics, 2020, 16, 1035-1044.	7.2	41
56	A Model for Stochastic Planning of Distribution Network and Autonomous DG Units. IEEE Transactions on Industrial Informatics, 2020, 16, 3685-3696.	7.2	55
57	Comprehensive Analytics for Reliability Evaluation of Conventional Isolated Multiswitch PWM DC-DC Converters. IEEE Transactions on Power Electronics, 2020, 35, 5254-5266.	5.4	26
58	Incorporating flexibility requirements into distribution system expansion planning studies based on regulatory policies. International Journal of Electrical Power and Energy Systems, 2020, 118, 105769.	3.3	23
59	Inverse Reliability Evaluation in Power Distribution Systems. IEEE Transactions on Power Systems, 2020, 35, 818-820.	4.6	13
60	Reliability Evaluation in Microgrids With Non-Exponential Failure Rates of Power Units. IEEE Systems Journal, 2020, 14, 2861-2872.	2.9	19
61	Reliability based Joint Distribution Network and Distributed Generation Expansion Planning. , 2020, , .		2
62	Reliability-Oriented Electricity Distribution System Switch and Tie Line Optimization. IEEE Access, 2020, 8, 130967-130978.	2.6	27
63	System-Level Design for Reliability and Maintenance Scheduling in Modern Power Electronic-Based Power Systems. IEEE Open Access Journal of Power and Energy, 2020, 7, 414-429.	2.5	24
64	Flexibility-Oriented Collaborative Planning Model for Distribution Network and EV Parking Lots Considering Uncertain Behaviour of EVs. , 2020, , .		1
65	Correlation-driven machine learning for accelerated reliability assessment of solder joints in electronics. Scientific Reports, 2020, 10, 14821.	1.6	47
66	Incentive-based Ramp-up Minimization in Multi-Microgrid Distribution Systems. , 2020, , .		12
67	Linear Formulations for Topology-Variable-Based Distribution System Reliability Assessment Considering Switching Interruptions. IEEE Transactions on Smart Grid, 2020, 11, 4032-4043.	6.2	21
68	Advanced bidding strategy for participation of energy storage systems in joint energy and flexible ramping product market. IET Generation, Transmission and Distribution, 2020, 14, 5202-5210.	1.4	22
69	Electricity Distribution System Switch Optimization Under Incentive Reliability Scheme. IEEE Access, 2020, 8, 93455-93463.	2.6	18
70	Considering forecasting errors in flexibility-oriented distribution network expansion planning using the spherical simplex unscented transformation. IET Generation, Transmission and Distribution, 2020, 14, 5970-5983.	1.4	5
71	Hybrid AC/DC microgrids flexible reliability index by using the axiomatic design concept. IET Generation, Transmission and Distribution, 2020, 14, 5456-5462.	1.4	1
72	Energy and Flexibility Scheduling of DERs under TVPP's Supervision using Market-Based Framework. , 2020, , .		4

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73	Planning a flexible distribution network with energy storage systems considering the uncertainty of renewable sources and demand. CIRED - Open Access Proceedings Journal, 2020, 2020, 132-135.	0.1	0
74	Integrated Planning for Distribution Automation and Network Capacity Expansion. IEEE Transactions on Smart Grid, 2019, 10, 4279-4288.	6.2	27
75	Enhancing Power Distribution System Flexibility Using Electric Vehicle Charging Management. , 2019, , .		0
76	Capacity and output power estimation approach of individual behind-the-meter distributed photovoltaic system for demand response baseline estimation. Applied Energy, 2019, 253, 113595.	5.1	156
77	Developing new participation model of thermal generating units in flexible ramping market. IET Generation, Transmission and Distribution, 2019, 13, 2290-2298.	1.4	17
78	A General Framework for Voltage Sag Performance Analysis of Distribution Networks. Energies, 2019, 12, 2824.	1.6	9
79	Harnessing Ramp Capability of Spinning Reserve Services for Enhanced Power Grid Flexibility. IEEE Transactions on Industry Applications, 2019, 55, 7103-7112.	3.3	42
80	Energy Management Framework for a TVPP in Active Distribution Network with Diverse DERs. , 2019, , .		6
81	A Flexibility-Oriented Model for Distribution System Expansion Planning Studies. , 2019, , .		3
82	Economic Valuation of Demand Response Programs Using Real Option Valuation Method. , 2019, , .		0
83	Economically Optimal Uncertainty Set Characterization for Power System Operational Flexibility. IEEE Transactions on Industrial Informatics, 2019, 15, 5456-5465.	7.2	15
84	Multistage Expansion Co-Planning of Integrated Natural Gas and Electricity Distribution Systems. Energies, 2019, 12, 1020.	1.6	8
85	MILP Model of Electricity Distribution System Expansion Planning Considering Incentive Reliability Regulations. IEEE Transactions on Power Systems, 2019, 34, 4300-4316.	4.6	44
86	Reliability Analysis of Buck-Boost Converter Considering the Effects of Operational Factors. , 2019, , .		12
87	Optimal Placement of Automatic Switching Equipment in Radial Distribution Networks Based on Protective Coordination. Journal of Electrical Engineering and Technology, 2019, 14, 1127-1137.	1.2	6
88	Optimal placement of switching and protection devices in radial distribution networks to enhance system reliability using the AHP-PSO method. Turkish Journal of Electrical Engineering and Computer Sciences, 2019, 27, 181-196.	0.9	21
89	Main Challenges of Implementing Penalty Mechanisms in Transactive Electricity Markets. IEEE Transactions on Power Systems, 2019, 34, 3954-3956.	4.6	25
90	Market design for integration of renewables into transactive energy systems. IET Renewable Power Generation, 2019, 13, 2502-2511.	1.7	9

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91	Coordinated power system expansion planning considering the DSO's market operations. IET Generation, Transmission and Distribution, 2019, 13, 4987-4997.	1.4	5
92	Investigating the Impacts of Microgrids and Gas Grid Interconnection on Power Grid Flexibility. , 2019, , ,		6
93	Hourly electricity and heat Demand Response in the OEF of the integrated electricity&heat&natural gas system. IET Renewable Power Generation, 2019, 13, 2853-2863.	1.7	11
94	Distribution Grid Flexibility-ramp Minimization using Local Resources. , 2019, , ,		13
95	Day&ahead energy management framework for a networked gas&heat&electricity microgrid. IET Generation, Transmission and Distribution, 2019, 13, 4617-4629.	1.4	16
96	Standard Test Systems for Modern Power System Analysis: An Overview. IEEE Industrial Electronics Magazine, 2019, 13, 86-105.	2.3	55
97	Sectionalizing Switch Placement in Distribution Networks Considering Switch Failure. IEEE Transactions on Smart Grid, 2019, 10, 1080-1082.	6.2	36
98	A MILP Model for Incorporating Reliability Indices in Distribution System Expansion Planning. IEEE Transactions on Power Systems, 2019, 34, 2453-2456.	4.6	41
99	Optimal Bidding Strategy of Transactive Agents in Local Energy Markets. IEEE Transactions on Smart Grid, 2019, 10, 5152-5162.	6.2	52
100	Optimal Placement of Sectionalizing Switch Considering Switch Malfunction Probability. IEEE Transactions on Smart Grid, 2019, 10, 403-413.	6.2	51
101	A Market Mechanism to Quantify Emergency Energy Transactions Value in a Multi-Microgrid System. IEEE Transactions on Sustainable Energy, 2019, 10, 426-437.	5.9	42
102	Stochastic Operation Framework for Distribution Networks Hosting High Wind Penetrations. IEEE Transactions on Sustainable Energy, 2019, 10, 344-354.	5.9	23
103	Flexibility Scheduling for Large Customers. IEEE Transactions on Smart Grid, 2019, 10, 371-379.	6.2	31
104	Simultaneous Placement of Fault Indicator and Sectionalizing Switch in Distribution Networks. IEEE Transactions on Smart Grid, 2019, 10, 2278-2287.	6.2	74
105	Planning and Operation of Parking Lots Considering System, Traffic, and Drivers Behavioral Model. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1879-1892.	5.9	44
106	A New Multiattribute Decision Making Support Tool for Identifying Critical Components in Power Transmission Systems. IEEE Systems Journal, 2018, 12, 316-327.	2.9	28
107	Investigation of Carrier Demand Response Uncertainty on Energy Flow of Renewable-Based Integrated Electricity&Gas&Heat Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 5133-5142.	7.2	71
108	Operational Reliability Studies of Power Systems in the Presence of Energy Storage Systems. IEEE Transactions on Power Systems, 2018, 33, 3691-3700.	4.6	36

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109	Commercial Demand Response Programs in Bidding of a Technical Virtual Power Plant. IEEE Transactions on Industrial Informatics, 2018, 14, 5100-5111.	7.2	71
110	Resilience-based framework for switch placement problem in power distribution systems. IET Generation, Transmission and Distribution, 2018, 12, 1223-1230.	1.4	48
111	Transmission System Critical Component Identification Considering Full Substations Configuration and Protection Systems. IEEE Transactions on Power Systems, 2018, 33, 5365-5373.	4.6	15
112	Deployment of Fault Indicator in Distribution Networks: A MIP-Based Approach. IEEE Transactions on Smart Grid, 2018, 9, 2259-2267.	6.2	48
113	An Adaptive Approach for PEVs Charging Management and Reconfiguration of Electrical Distribution System Penetrated by Renewables. IEEE Transactions on Industrial Informatics, 2018, 14, 2001-2010.	7.2	94
114	Role of Outage Management Strategy in Reliability Performance of Multi-Microgrid Distribution Systems. IEEE Transactions on Power Systems, 2018, 33, 2359-2369.	4.6	127
115	Developing a MILP Method for Distribution System Reconfiguration After Natural Disasters. , 2018, , .		2
116	Incorporating the effects of service quality regulation in decision-making framework of distribution companies. IET Generation, Transmission and Distribution, 2018, 12, 4172-4181.	1.4	15
117	Flexibility Scheduling for Large Customers. , 2018, , .		3
118	Designing a new procedure for reward and penalty scheme in performance-based regulation of electricity distribution companies. International Transactions on Electrical Energy Systems, 2018, 28, e2628.	1.2	10
119	A Linear Model for Dynamic Generation Expansion Planning Considering Loss of Load Probability. IEEE Transactions on Power Systems, 2018, 33, 6924-6934.	4.6	53
120	A Probabilistic Energy Management Scheme for Renewable-Based Residential Energy Hubs. IEEE Transactions on Smart Grid, 2017, 8, 2217-2227.	6.2	170
121	Generalized Analytical Approach to Assess Reliability of Renewable-Based Energy Hubs. IEEE Transactions on Power Systems, 2017, 32, 368-377.	4.6	71
122	Planning to Equip the Power Distribution Networks with Automation System. IEEE Transactions on Power Systems, 2017, 32, 3451-3460.	4.6	33
123	Stochastic Energy Management of Microgrids During Unscheduled Islanding Period. IEEE Transactions on Industrial Informatics, 2017, 13, 1079-1087.	7.2	131
124	Application of Game Theory in Reliability-Centered Maintenance of Electric Power Systems. IEEE Transactions on Industry Applications, 2017, 53, 936-946.	3.3	39
125	Energy scheduling of a technical virtual power plant in presence of electric vehicles. , 2017, , .		11
126	Effects of flexible ramping product on improving power system real-time operation. , 2017, , .		4



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127	Increasing the resilience of distribution systems against hurricane by optimal switch placement. , 2017, , .		19
128	A Stochastic Multi-Objective Framework for Optimal Scheduling of Energy Storage Systems in Microgrids. IEEE Transactions on Smart Grid, 2017, 8, 117-127.	6.2	188
129	Reliability Studies of Modern Distribution Systems Integrated With Renewable Generation and Parking Lots. IEEE Transactions on Sustainable Energy, 2017, 8, 431-440.	5.9	96
130	Optimal scheduling of renewable-based energy hubs considering time-of-use pricing scheme. , 2017, , .		2
131	Developing a combinatorial rewardâ€“penalty scheme to facilitate integration of distributed generations. CIREN - Open Access Proceedings Journal, 2017, 2017, 2682-2686.	0.1	3
132	Optimal transmission switching as a remedial action to enhance power system reliability. , 2016, , .		5
133	Charging/discharging management of electric vehicles: technical viewpoint. , 2016, , .		2
134	Reliability evaluation in power distribution system planning studies. , 2016, , .		8
135	Developing a multi-objective framework for planning studies of modern distribution networks. , 2016, , .		0
136	A multistage MILP-based model for integration of remote control switch into distribution networks. , 2016, , .		19
137	The computation of confidence intervals for the state parameters of power systems. SpringerPlus, 2016, 5, 1943.	1.2	0
138	Enhancing Power System Resilience Through Hierarchical Outage Management in Multi-Microgrids. IEEE Transactions on Smart Grid, 2016, 7, 2869-2879.	6.2	317
139	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.	5.3	152
140	Identification of critical generating units for maintenance: a game theory approach. IET Generation, Transmission and Distribution, 2016, 10, 2942-2952.	1.4	16
141	Energy storage in renewableâ€“based residential energy hubs. IET Generation, Transmission and Distribution, 2016, 10, 3127-3134.	1.4	75
142	Developing a Two-Level Framework for Residential Energy Management. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	40
143	Improve capacity utilization of substation transformers via distribution network reconfiguraion and load transfer. , 2016, , .		5
144	A Practical Scheme to Involve Degradation Cost of Lithium-Ion Batteries in Vehicle-to-Grid Applications. IEEE Transactions on Sustainable Energy, 2016, 7, 1730-1738.	5.9	177

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145	Identification of critical components in power systems: A game theory application. , 2016, , .		9
146	A hierarchical scheme for outage management in multi-microgrids. International Transactions on Electrical Energy Systems, 2016, 26, 2023-2037.	1.2	13
147	Identifying critical components of combined cycle power plants for implementation of reliability-centered maintenance. CSEE Journal of Power and Energy Systems, 2016, 2, 87-97.	1.7	28
148	Impacts of Remote Control Switch Malfunction on Distribution System Reliability. IEEE Transactions on Power Systems, 2016, , 1-1.	4.6	23
149	Optimal Capacity Management of Substation Transformers Over Long-Run. IEEE Transactions on Power Systems, 2016, 31, 632-641.	4.6	11
150	Reliability modeling and availability analysis of combined cycle power plants. International Journal of Electrical Power and Energy Systems, 2016, 79, 108-119.	3.3	66
151	Reliability Studies of Distribution Systems Integrated With Electric Vehicles Under Battery-Exchange Mode. IEEE Transactions on Power Delivery, 2016, 31, 2473-2482.	2.9	75
152	Short term voltage-based risk assessment by incorporating reactive power adequacy. Ain Shams Engineering Journal, 2016, 7, 131-141.	3.5	3
153	Domestic EWH and HVAC management in smart grids: Potential benefits and realization. Electric Power Systems Research, 2016, 134, 38-46.	2.1	28
154	Value of Distribution Network Reconfiguration in Presence of Renewable Energy Resources. IEEE Transactions on Power Systems, 2016, 31, 1879-1888.	4.6	198
155	Short-Term Impacts of DR Programs on Reliability of Wind Integrated Power Systems Considering Demand-Side Uncertainties. IEEE Transactions on Power Systems, 2016, 31, 2481-2490.	4.6	52
156	Home energy management incorporating operational priority of appliances. International Journal of Electrical Power and Energy Systems, 2016, 74, 286-292.	3.3	120
157	Charging/discharging management of electric vehicles: Technical viewpoint. , 2015, , .		0
158	Optimal transmission switching as a remedial action to enhance composite system reliability. , 2015, , .		5
159	A novel efficient model for the power flow analysis of power systems. Turkish Journal of Electrical Engineering and Computer Sciences, 2015, 23, 52-66.	0.9	15
160	A Heuristic Ranking Approach on Capacity Benefit Margin Determination Using Pareto-Based Evolutionary Programming Technique. Scientific World Journal, The, 2015, 2015, 1-15.	0.8	4
161	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
162	Identifying critical components for reliability centred maintenance management of deregulated power systems. IET Generation, Transmission and Distribution, 2015, 9, 828-837.	1.4	37

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163	Optimal unified power flow controller application to enhance total transfer capability. IET Generation, Transmission and Distribution, 2015, 9, 358-368.	1.4	43
164	Optimal Distribution Network Automation Considering Earth Fault Events. IEEE Transactions on Smart Grid, 2015, 6, 1010-1018.	6.2	72
165	Load management in a residential energy hub with renewable distributed energy resources. Energy and Buildings, 2015, 107, 234-242.	3.1	126
166	Optimal Electricity Procurement in Smart Grids With Autonomous Distributed Energy Resources. IEEE Transactions on Smart Grid, 2015, 6, 2975-2984.	6.2	25
167	Developing a stochastic approach for optimal scheduling of isolated microgrids. , 2015, , .		5
168	A novel voltage and Var control model in distribution networks considering high penetration of renewable energy sources. , 2015, , .		3
169	Optimal distributed static series compensator placement for enhancing power system loadability and reliability. IET Generation, Transmission and Distribution, 2015, 9, 1043-1050.	1.4	28
170	Developing a hierarchical scheme for outage management in multi-microgrids. , 2015, , .		7
171	Centralized home energy management in multi-carrier energy frameworks. , 2015, , .		6
172	Optimal allocation of PHEV parking lots to minimize distribution system losses. , 2015, , .		7
173	Optimum generation dispatching of distributed resources in smart grids. International Transactions on Electrical Energy Systems, 2015, 25, 1297-1318.	1.2	13
174	Optimized Probabilistic PHEVs Demand Management in the Context of Energy Hubs. IEEE Transactions on Power Delivery, 2015, 30, 996-1006.	2.9	91
175	On the Use of Pumped Storage for Wind Energy Maximization in Transmission-Constrained Power Systems. IEEE Transactions on Power Systems, 2015, 30, 1017-1025.	4.6	98
176	Home load management in a residential energy hub. Electric Power Systems Research, 2015, 119, 322-328.	2.1	153
177	Outage Management in Residential Demand Response Programs. IEEE Transactions on Smart Grid, 2015, 6, 1453-1462.	6.2	51
178	Power Distribution Network Expansion Planning Considering Distribution Automation. IEEE Transactions on Power Systems, 2015, 30, 1261-1269.	4.6	72
179	Optimal In-Home Charge Scheduling of Plug-in Electric Vehicles Incorporating Customer's Payment and Inconvenience Costs. Power Systems, 2015, , 301-326.	0.3	5
180	Synchrophasor Measurement Technology in Power Systems: Panorama and State-of-the-Art. IEEE Access, 2014, 2, 1607-1628.	2.6	216

#	ARTICLE	IF	CITATIONS
181	Incorporating Two-Part Real-Time Pricing Scheme into Distribution System Operation. , 2014, , .		1
182	Distribution network reliability improvements in presence of demand response. IET Generation, Transmission and Distribution, 2014, 8, 2027-2035.	1.4	99
183	A practical application of the Delphi method in maintenance-targeted resource allocation of distribution utilities. , 2014, , .		10
184	Probabilistic power flow of correlated hybrid wind&#x2013;photovoltaic power systems. IET Renewable Power Generation, 2014, 8, 649-658.	1.7	78
185	Probabilistic Home Load Controlling Considering Plug-in Hybrid Electric Vehicle Uncertainties. , 2014, , 117-132.		10
186	Multiagent Genetic Algorithm: An Online Probabilistic View on Economic Dispatch of Energy Hubs Constrained by Wind Availability. IEEE Transactions on Sustainable Energy, 2014, 5, 699-708.	5.9	168
187	Toward a Comprehensive Model of Large-Scale DFIG-Based Wind Farms in Adequacy Assessment of Power Systems. IEEE Transactions on Sustainable Energy, 2014, 5, 55-63.	5.9	61
188	Probabilistic Optimal Power Flow in Correlated Hybrid Wind&#x2013;Photovoltaic Power Systems. IEEE Transactions on Smart Grid, 2014, 5, 130-138.	6.2	169
189	A Decomposed Solution to Multiple-Energy Carriers Optimal Power Flow. IEEE Transactions on Power Systems, 2014, 29, 707-716.	4.6	225
190	Integration of Price-Based Demand Response in DisCos' Short-Term Decision Model. IEEE Transactions on Smart Grid, 2014, 5, 2235-2245.	6.2	100
191	Optimal charge scheduling of PHEV in a multi-carrier energy home. , 2014, , .		4
192	Determination of available transfer capability with implication of cascading collapse uncertainty. IET Generation, Transmission and Distribution, 2014, 8, 705-715.	1.4	16
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