

Mohammad Shahidehpour

List of Publications by Year in descending order

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14589
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#	ARTICLE	IF	CITATIONS
1	A Variable Step Size INC MPPT Method for PV Systems. IEEE Transactions on Industrial Electronics, 2008, 55, 2622-2628.	5.2	1,032
2	Security-Constrained Unit Commitment With Volatile Wind Power Generation. IEEE Transactions on Power Systems, 2008, 23, 1319-1327.	4.6	760
3	Stochastic Security-Constrained Unit Commitment. IEEE Transactions on Power Systems, 2007, 22, 800-811.	4.6	716
4	Combined Heat and Power Dispatch Considering Pipeline Energy Storage of District Heating Network. IEEE Transactions on Sustainable Energy, 2016, 7, 12-22.	5.9	534
5	Networked Microgrids for Enhancing the Power System Resilience. Proceedings of the IEEE, 2017, 105, 1289-1310.	16.4	422
6	Optimal Expansion Planning of Energy Hub With Multiple Energy Infrastructures. IEEE Transactions on Smart Grid, 2015, 6, 2302-2311.	6.2	413
7	Security-Constrained Unit Commitment With Natural Gas Transmission Constraints. IEEE Transactions on Power Systems, 2009, 24, 1523-1536.	4.6	355
8	Contingency-Constrained PMU Placement in Power Networks. IEEE Transactions on Power Systems, 2010, 25, 516-523.	4.6	343
9	Robust Co-Optimization Scheduling of Electricity and Natural Gas Systems via ADMM. IEEE Transactions on Sustainable Energy, 2017, 8, 658-670.	5.9	342
10	Hourly Coordination of Electric Vehicle Operation and Volatile Wind Power Generation in SCUC. IEEE Transactions on Smart Grid, 2012, 3, 1271-1279.	6.2	336
11	Hierarchical Coordination of a Community Microgrid With AC and DC Microgrids. IEEE Transactions on Smart Grid, 2015, 6, 3042-3051.	6.2	333
12	Optimal Demand Response Aggregation in Wholesale Electricity Markets. IEEE Transactions on Smart Grid, 2013, 4, 1957-1965.	6.2	330
13	DC Microgrids: Economic Operation and Enhancement of Resilience by Hierarchical Control. IEEE Transactions on Smart Grid, 2014, 5, 2517-2526.	6.2	308
14	Microgrid Planning Under Uncertainty. IEEE Transactions on Power Systems, 2015, 30, 2417-2425.	4.6	278
15	Interdependency of Natural Gas Network and Power System Security. IEEE Transactions on Power Systems, 2008, 23, 1817-1824.	4.6	273
16	Comparison of Scenario-Based and Interval Optimization Approaches to Stochastic SCUC. IEEE Transactions on Power Systems, 2012, 27, 913-921.	4.6	271
17	Coordination of Interdependent Natural Gas and Electricity Infrastructures for Firming the Variability of Wind Energy in Stochastic Day-Ahead Scheduling. IEEE Transactions on Sustainable Energy, 2015, 6, 606-615.	5.9	271
18	Hourly Electricity Demand Response in the Stochastic Day-Ahead Scheduling of Coordinated Electricity and Natural Gas Networks. IEEE Transactions on Power Systems, 2016, 31, 592-601.	4.6	255

#	ARTICLE	IF	CITATIONS
19	Market-Based Generation and Transmission Planning With Uncertainties. IEEE Transactions on Power Systems, 2009, 24, 1587-1598.	4.6	247
20	Integration of High Reliability Distribution System in Microgrid Operation. IEEE Transactions on Smart Grid, 2012, 3, 1997-2006.	6.2	246
21	Microgrid Scheduling With Uncertainty: The Quest for Resilience. IEEE Transactions on Smart Grid, 2016, 7, 2849-2858.	6.2	236
22	Short-Term Scheduling of Battery in a Grid-Connected PV/Battery System. IEEE Transactions on Power Systems, 2005, 20, 1053-1061.	4.6	234
23	Market-Based Transmission Expansion Planning. IEEE Transactions on Power Systems, 2004, 19, 2060-2067.	4.6	232
24	Parameter Design of a Two-Current-Loop Controller Used in a Grid-Connected Inverter System With LCL Filter. IEEE Transactions on Industrial Electronics, 2009, 56, 4483-4491.	5.2	231
25	Integrated Planning of Electricity and Natural Gas Transportation Systems for Enhancing the Power Grid Resilience. IEEE Transactions on Power Systems, 2017, 32, 4418-4429.	4.6	224
26	Microgrid-Based Co-Optimization of Generation and Transmission Planning in Power Systems. IEEE Transactions on Power Systems, 2013, 28, 1582-1590.	4.6	218
27	Synchrophasor Measurement Technology in Power Systems: Panorama and State-of-the-Art. IEEE Access, 2014, 2, 1607-1628.	2.6	216
28	Adaptive Protection System for Microgrids: Protection practices of a functional microgrid system. IEEE Electrification Magazine, 2014, 2, 66-80.	1.8	214
29	Optimal Interconnection Planning of Community Microgrids With Renewable Energy Sources. IEEE Transactions on Smart Grid, 2017, 8, 1054-1063.	6.2	214
30	SCUC With Hourly Demand Response Considering Intertemporal Load Characteristics. IEEE Transactions on Smart Grid, 2011, 2, 564-571.	6.2	211
31	An MILP-Based Optimal Power Flow in Multicarrier Energy Systems. IEEE Transactions on Sustainable Energy, 2017, 8, 239-248.	5.9	210
32	Chance-Constrained Day-Ahead Scheduling in Stochastic Power System Operation. IEEE Transactions on Power Systems, 2014, 29, 1583-1591.	4.6	209
33	Optimal Stochastic Operation of Integrated Low-Carbon Electric Power, Natural Gas, and Heat Delivery System. IEEE Transactions on Sustainable Energy, 2018, 9, 273-283.	5.9	208
34	Only Connect: Microgrids for Distribution System Restoration. IEEE Power and Energy Magazine, 2014, 12, 70-81.	1.6	198
35	A Multi-Objective Framework for Transmission Expansion Planning in Deregulated Environments. IEEE Transactions on Power Systems, 2009, 24, 1051-1061.	4.6	195
36	Demand Response Exchange in the Stochastic Day-Ahead Scheduling With Variable Renewable Generation. IEEE Transactions on Sustainable Energy, 2015, 6, 516-525.	5.9	192

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37	Coordinated scheduling of electricity and natural gas infrastructures with a transient model for natural gas flow. Chaos, 2011, 21, 025102.	1.0	185
38	Bilevel Model for Analyzing Coordinated Cyber-Physical Attacks on Power Systems. IEEE Transactions on Smart Grid, 2016, 7, 2260-2272.	6.2	185
39	Fuzzy-Logic Based Frequency Controller for Wind Farms Augmented With Energy Storage Systems. IEEE Transactions on Power Systems, 2016, 31, 1595-1603.	4.6	181
40	AC Contingency Dispatch Based on Security-Constrained Unit Commitment. IEEE Transactions on Power Systems, 2006, 21, 897-908.	4.6	178
41	A Game Theoretic Approach to Risk-Based Optimal Bidding Strategies for Electric Vehicle Aggregators in Electricity Markets With Variable Wind Energy Resources. IEEE Transactions on Sustainable Energy, 2016, 7, 374-385.	5.9	172
42	Market-Based Coordination of Transmission and Generation Capacity Planning. IEEE Transactions on Power Systems, 2007, 22, 1406-1419.	4.6	171
43	Probabilistic Multistage PMU Placement in Electric Power Systems. IEEE Transactions on Power Delivery, 2011, 26, 841-849.	2.9	170
44	Robust Constrained Operation of Integrated Electricity-Natural Gas System Considering Distributed Natural Gas Storage. IEEE Transactions on Sustainable Energy, 2018, 9, 1061-1071.	5.9	169
45	Blockchain for decentralized transactive energy management system in networked microgrids. Electricity Journal, 2019, 32, 58-72.	1.3	169
46	Front Lines Against the Darkness: Enhancing the Resilience of the Electricity Grid Through Microgrid Facilities. IEEE Electrification Magazine, 2016, 4, 18-24.	1.8	168
47	A Scenario-Based Multi-Objective Model for Multi-Stage Transmission Expansion Planning. IEEE Transactions on Power Systems, 2011, 26, 470-478.	4.6	167
48	Enhancing the Dispatchability of Variable Wind Generation by Coordination With Pumped-Storage Hydro Units in Stochastic Power Systems. IEEE Transactions on Power Systems, 2013, 28, 2808-2818.	4.6	165
49	New Metrics for Assessing the Reliability and Economics of Microgrids in Distribution System. IEEE Transactions on Power Systems, 2013, 28, 2852-2861.	4.6	165
50	Optimal Traffic-Power Flow in Urban Electrified Transportation Networks. IEEE Transactions on Smart Grid, 2017, 8, 84-95.	6.2	158
51	Cost of Reliability Analysis Based on Stochastic Unit Commitment. IEEE Transactions on Power Systems, 2008, 23, 1364-1374.	4.6	155
52	Transmission Switching in Security-Constrained Unit Commitment. IEEE Transactions on Power Systems, 2010, 25, 1937-1945.	4.6	154
53	Expansion Planning of Active Distribution Networks With Centralized and Distributed Energy Storage Systems. IEEE Transactions on Sustainable Energy, 2017, 8, 126-134.	5.9	153
54	Coordinated Planning Strategy for Electric Vehicle Charging Stations and Coupled Traffic-Electric Networks. IEEE Transactions on Power Systems, 2019, 34, 268-279.	4.6	152

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55	Distributed Control and Communication Strategies in Networked Microgrids. IEEE Communications Surveys and Tutorials, 2020, 22, 2586-2633.	24.8	152
56	Accelerating the Global Adoption of Electric Vehicles: Barriers and Drivers. Electricity Journal, 2015, 28, 53-68.	1.3	151
57	Risk-Constrained Bidding Strategy With Stochastic Unit Commitment. IEEE Transactions on Power Systems, 2007, 22, 449-458.	4.6	149
58	Reliability-Based Optimal Planning of Electricity and Natural Gas Interconnections for Multiple Energy Hubs. IEEE Transactions on Smart Grid, 2017, 8, 1658-1667.	6.2	149
59	Event-Triggered Updating Method in Centralized and Distributed Secondary Controls for Islanded Microgrid Restoration. IEEE Transactions on Smart Grid, 2020, 11, 1387-1395.	6.2	148
60	Decentralized Optimization of Multi-Area Electricity-Natural Gas Flows Based on Cone Reformulation. IEEE Transactions on Power Systems, 2018, 33, 4531-4542.	4.6	147
61	Cybersecurity in Distributed Power Systems. Proceedings of the IEEE, 2017, 105, 1367-1388.	16.4	146
62	Optimal Day-Ahead Charging Scheduling of Electric Vehicles Through an Aggregative Game Model. IEEE Transactions on Smart Grid, 2018, 9, 5173-5184.	6.2	146
63	Electricity-Natural Gas Operation Planning With Hourly Demand Response for Deployment of Flexible Ramp. IEEE Transactions on Sustainable Energy, 2016, 7, 996-1004.	5.9	140
64	Multiperiod Distribution System Restoration With Routing Repair Crews, Mobile Electric Vehicles, and Soft-Open-Point Networked Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 4795-4808.	6.2	136
65	A Hybrid Model for Day-Ahead Price Forecasting. IEEE Transactions on Power Systems, 2010, 25, 1519-1530.	4.6	135
66	Transmission Switching in Expansion Planning. IEEE Transactions on Power Systems, 2010, 25, 1722-1733.	4.6	134
67	Optimal Transactive Market Operations With Distribution System Operators. IEEE Transactions on Smart Grid, 2018, 9, 6692-6701.	6.2	134
68	Deep Reinforcement Learning for EV Charging Navigation by Coordinating Smart Grid and Intelligent Transportation System. IEEE Transactions on Smart Grid, 2020, 11, 1714-1723.	6.2	134
69	Robust Two-Stage Regional-District Scheduling of Multi-carrier Energy Systems With a Large Penetration of Wind Power. IEEE Transactions on Sustainable Energy, 2019, 10, 1227-1239.	5.9	133
70	Security-Constrained Co-Optimization Planning of Electricity and Natural Gas Transportation Infrastructures. IEEE Transactions on Power Systems, 2015, 30, 2984-2993.	4.6	132
71	Coordinated Regional-District Operation of Integrated Energy Systems for Resilience Enhancement in Natural Disasters. IEEE Transactions on Smart Grid, 2019, 10, 4881-4892.	6.2	132
72	Allocation of Hourly Reserve Versus Demand Response for Security-Constrained Scheduling of Stochastic Wind Energy. IEEE Transactions on Sustainable Energy, 2013, 4, 219-228.	5.9	130

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73	Fast SCUC for Large-Scale Power Systems. IEEE Transactions on Power Systems, 2007, 22, 2144-2151.	4.6	129
74	Distribution Network-Constrained Optimization of Peer-to-Peer Transactive Energy Trading Among Multi-Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 1033-1047.	6.2	127
75	Thermal Generation Flexibility With Ramping Costs and Hourly Demand Response in Stochastic Security-Constrained Scheduling of Variable Energy Sources. IEEE Transactions on Power Systems, 2015, 30, 2955-2964.	4.6	126
76	Robust Line Hardening Strategies for Improving the Resilience of Distribution Systems With Variable Renewable Resources. IEEE Transactions on Sustainable Energy, 2019, 10, 386-395.	5.9	126
77	Impact of WAMS Malfunction on Power System Reliability Assessment. IEEE Transactions on Smart Grid, 2012, 3, 1302-1309.	6.2	124
78	Flexible Voltage Control Strategy Considering Distributed Energy Storages for DC Distribution Network. IEEE Transactions on Smart Grid, 2019, 10, 163-172.	6.2	124
79	Decentralized Multiarea Robust Generation Unit and Tie-Line Scheduling Under Wind Power Uncertainty. IEEE Transactions on Sustainable Energy, 2015, 6, 1377-1388.	5.9	123
80	Microgrids for Enhancing the Power Grid Resilience in Extreme Conditions. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	122
81	Stochastic Security-Constrained Scheduling of Coordinated Electricity and Natural Gas Infrastructures. IEEE Systems Journal, 2017, 11, 1674-1683.	2.9	122
82	Unit Commitment With Probabilistic Spinning Reserve and Interruptible Load Considerations. IEEE Transactions on Power Systems, 2009, 24, 388-397.	4.6	121
83	Security-Constrained Unit Commitment for Simultaneous Clearing of Energy and Ancillary Services Markets. IEEE Transactions on Power Systems, 2005, 20, 1079-1088.	4.6	120
84	Direct Calculation of Line Outage Distribution Factors. IEEE Transactions on Power Systems, 2009, 24, 1633-1634.	4.6	120
85	Toward a Cyber Resilient and Secure Microgrid Using Software-Defined Networking. IEEE Transactions on Smart Grid, 2017, 8, 2494-2504.	6.2	119
86	Strategic Generation Capacity Expansion Planning With Incomplete Information. IEEE Transactions on Power Systems, 2009, 24, 1002-1010.	4.6	118
87	Small-Signal Modeling and Stability Analysis of Hybrid AC/DC Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 2080-2095.	6.2	118
88	Cutting Campus Energy Costs with Hierarchical Control: The Economical and Reliable Operation of a Microgrid. IEEE Electrification Magazine, 2013, 1, 40-56.	1.8	117
89	Enhanced Voltage Control of VSC-HVDC-Connected Offshore Wind Farms Based on Model Predictive Control. IEEE Transactions on Sustainable Energy, 2018, 9, 474-487.	5.9	117
90	Adaptive Formation of Microgrids With Mobile Emergency Resources for Critical Service Restoration in Extreme Conditions. IEEE Transactions on Power Systems, 2019, 34, 742-753.	4.6	117

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91	Security-Constrained Unit Commitment With Flexible Uncertainty Set for Variable Wind Power. IEEE Transactions on Sustainable Energy, 2017, 8, 1237-1246.	5.9	115
92	Reliability Modeling of PMUs Using Fuzzy Sets. IEEE Transactions on Power Delivery, 2010, 25, 2384-2391.	2.9	114
93	A Cyber-Attack Resilient Distributed Control Strategy in Islanded Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 3690-3701.	6.2	111
94	Optimal Operation Strategy for Integrated Natural Gas Generating Unit and Power-to-Gas Conversion Facilities. IEEE Transactions on Sustainable Energy, 2018, 9, 1870-1879.	5.9	110
95	Power System Dynamic State Estimation With Synchronized Phasor Measurements. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 352-363.	2.4	107
96	Optimal Operation of Energy Hubs With Large-Scale Distributed Energy Resources for Distribution Network Congestion Management. IEEE Transactions on Sustainable Energy, 2021, 12, 1755-1765.	5.9	106
97	Decentralized Operation of Interdependent Power Distribution Network and District Heating Network: A Market-Driven Approach. IEEE Transactions on Smart Grid, 2019, 10, 5374-5385.	6.2	105
98	Analysis and Improvement of Maximum Power Point Tracking Algorithm Based on Incremental Conductance Method for Photovoltaic Array. , 2007, , .		104
99	Power System Risk Assessment in Cyber Attacks Considering the Role of Protection Systems. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	103
100	Contingency-Constrained Reserve Requirements in Joint Energy and Ancillary Services Auction. IEEE Transactions on Power Systems, 2009, 24, 1457-1468.	4.6	101
101	Networked Microgrids: Exploring the Possibilities of the IIT-Bronzeville Grid. IEEE Power and Energy Magazine, 2017, 15, 63-71.	1.6	101
102	Hourly Demand Response in Day-Ahead Scheduling Considering Generating Unit Ramping Cost. IEEE Transactions on Power Systems, 2013, 28, 2446-2454.	4.6	100
103	ISO's Optimal Strategies for Scheduling the Hourly Demand Response in Day-Ahead Markets. IEEE Transactions on Power Systems, 2014, 29, 2636-2645.	4.6	98
104	Battery-Based Energy Storage Transportation for Enhancing Power System Economics and Security. IEEE Transactions on Smart Grid, 2015, 6, 2395-2402.	6.2	98
105	Transactive Real-Time Electric Vehicle Charging Management for Commercial Buildings With PV On-Site Generation. IEEE Transactions on Smart Grid, 2019, 10, 4939-4950.	6.2	98
106	Security constrained co-planning of transmission expansion and energy storage. Applied Energy, 2019, 239, 383-394.	5.1	96
107	Co-optimization of electricity transmission and generation resources for planning and policy analysis: review of concepts and modeling approaches. Energy Systems, 2016, 7, 297-332.	1.8	95
108	Congestion-Driven Transmission Planning Considering the Impact of Generator Expansion. IEEE Transactions on Power Systems, 2008, 23, 781-789.	4.6	94

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109	Network Planning in Unbundled Power Systems. IEEE Transactions on Power Systems, 2006, 21, 1379-1387.	4.6	93
110	Stochastic Scheduling of Battery-Based Energy Storage Transportation System With the Penetration of Wind Power. IEEE Transactions on Sustainable Energy, 2017, 8, 135-144.	5.9	92
111	Hourly demand response in day-ahead scheduling for managing the variability of renewable energy. IET Generation, Transmission and Distribution, 2013, 7, 226-234.	1.4	91
112	Unit Commitment With Flexible Generating Units. IEEE Transactions on Power Systems, 2005, 20, 1022-1034.	4.6	90
113	Security-Constrained Optimal Coordination of Generation and Transmission Maintenance Outage Scheduling. IEEE Transactions on Power Systems, 2007, 22, 1302-1313.	4.6	89
114	Observability of Hybrid AC/DC Power Systems With Variable-Cost PMUs. IEEE Transactions on Power Delivery, 2014, 29, 345-352.	2.9	89
115	Coordination of Short-Term Operation Constraints in Multi-Area Expansion Planning. IEEE Transactions on Power Systems, 2012, 27, 2242-2250.	4.6	88
116	A Functional Microgrid for Enhancing Reliability, Sustainability, and Energy Efficiency. Electricity Journal, 2012, 25, 21-28.	1.3	88
117	Two-Stage Optimal Scheduling of Electric Vehicle Charging Based on Transactive Control. IEEE Transactions on Smart Grid, 2019, 10, 2948-2958.	6.2	88
118	GENCO's Risk-Constrained Hydrothermal Scheduling. IEEE Transactions on Power Systems, 2008, 23, 1847-1858.	4.6	87
119	Robust coordination of interdependent electricity and natural gas systems in day-ahead scheduling for facilitating volatile renewable generations via power-to-gas technology. Journal of Modern Power Systems and Clean Energy, 2017, 5, 375-388.	3.3	87
120	Enhanced Coordinated Operations of Electric Power and Transportation Networks via EV Charging Services. IEEE Transactions on Smart Grid, 2020, 11, 3019-3030.	6.2	87
121	Power System Voltage Stability Evaluation Considering Renewable Energy With Correlated Variabilities. IEEE Transactions on Power Systems, 2018, 33, 3236-3245.	4.6	86
122	EV Charging Schedule in Coupled Constrained Networks of Transportation and Power System. IEEE Transactions on Smart Grid, 2019, 10, 4706-4716.	6.2	86
123	Optimal Electric Vehicle Charging Strategy With Markov Decision Process and Reinforcement Learning Technique. IEEE Transactions on Industry Applications, 2020, 56, 5811-5823.	3.3	85
124	Short-Term Scheduling of Combined Cycle Units. IEEE Transactions on Power Systems, 2004, 19, 1616-1625.	4.6	84
125	Distribution Automation Strategies Challenges and Opportunities in a Changing Landscape. IEEE Transactions on Smart Grid, 2015, 6, 2157-2165.	6.2	84
126	Solid-State Circuit Breaker Snubber Design for Transient Overvoltage Suppression at Bus Fault Interruption in Low-Voltage DC Microgrid. IEEE Transactions on Power Electronics, 2017, 32, 3007-3021.	5.4	84

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127	Long-Term Security-Constrained Unit Commitment: Hybrid Dantzig-Wolfe Decomposition and Subgradient Approach. IEEE Transactions on Power Systems, 2005, 20, 2093-2106.	4.6	82
128	Comparative Hourly Scheduling of Centralized and Distributed Storage in Day-Ahead Markets. IEEE Transactions on Sustainable Energy, 2014, 5, 729-737.	5.9	82
129	Robust Short-Term Scheduling of Integrated Heat and Power Microgrids. IEEE Systems Journal, 2019, 13, 3295-3303.	2.9	82
130	Uncertainty Marginal Price, Transmission Reserve, and Day-Ahead Market Clearing With Robust Unit Commitment. IEEE Transactions on Power Systems, 2017, 32, 1782-1795.	4.6	81
131	Resilience-Promoting Proactive Scheduling Against Hurricanes in Multiple Energy Carrier Microgrids. IEEE Transactions on Power Systems, 2019, 34, 2160-2168.	4.6	81
132	Adaptive Robust Tie-Line Scheduling Considering Wind Power Uncertainty for Interconnected Power Systems. IEEE Transactions on Power Systems, 2016, 31, 2701-2713.	4.6	80
133	Optimal Planning of Loop-Based Microgrid Topology. IEEE Transactions on Smart Grid, 2017, 8, 1771-1781.	6.2	80
134	Combined Active and Reactive Power Control of Wind Farms Based on Model Predictive Control. IEEE Transactions on Energy Conversion, 2017, 32, 1177-1187.	3.7	80
135	Data-Driven Risk-Averse Two-Stage Optimal Stochastic Scheduling of Energy and Reserve With Correlated Wind Power. IEEE Transactions on Sustainable Energy, 2020, 11, 436-447.	5.9	80
136	Security-Constrained Generation and Transmission Outage Scheduling With Uncertainties. IEEE Transactions on Power Systems, 2010, 25, 1674-1685.	4.6	79
137	Risk-Constrained Coordination of Cascaded Hydro Units With Variable Wind Power Generation. IEEE Transactions on Sustainable Energy, 2012, 3, 359-368.	5.9	79
138	Integration of power-to-hydrogen in day-ahead security-constrained unit commitment with high wind penetration. Journal of Modern Power Systems and Clean Energy, 2017, 5, 337-349.	3.3	79
139	Microgrid Topology Planning for Enhancing the Reliability of Active Distribution Networks. IEEE Transactions on Smart Grid, 2018, 9, 6369-6377.	6.2	78
140	GENCO's Risk-Based Maintenance Outage Scheduling. IEEE Transactions on Power Systems, 2008, 23, 127-136.	4.6	77
141	Component and Mode Models for the Short-Term Scheduling of Combined-Cycle Units. IEEE Transactions on Power Systems, 2009, 24, 976-990.	4.6	77
142	Security-Constrained Unit Commitment With AC/DC Transmission Systems. IEEE Transactions on Power Systems, 2010, 25, 531-542.	4.6	77
143	Hybrid AC/DC Transmission Expansion Planning. IEEE Transactions on Power Delivery, 2012, 27, 1620-1628.	2.9	77
144	Privacy-Preserving Optimal Dispatch for an Integrated Power Distribution and Natural Gas System in Networked Energy Hubs. IEEE Transactions on Sustainable Energy, 2019, 10, 2028-2038.	5.9	77

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145	Blockchain for Transacting Energy and Carbon Allowance in Networked Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 4702-4714.	6.2	77
146	Minimax-Regret Robust Co-Optimization for Enhancing the Resilience of Integrated Power Distribution and Natural Gas Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 61-71.	5.9	75
147	Market-Based Versus Price-Based Microgrid Optimal Scheduling. IEEE Transactions on Smart Grid, 2018, 9, 615-623.	6.2	74
148	Accelerating the Benders decomposition for network-constrained unit commitment problems. Energy Systems, 2010, 1, 339-376.	1.8	73
149	Modeling Transmission Line Constraints in Two-Stage Robust Unit Commitment Problem. IEEE Transactions on Power Systems, 2014, 29, 1221-1231.	4.6	73
150	Multi-Stage Planning of Active Distribution Networks Considering the Co-Optimization of Operation Strategies. IEEE Transactions on Smart Grid, 2018, 9, 1425-1433.	6.2	73
151	Distributionally Robust Unit Commitment in Coordinated Electricity and District Heating Networks. IEEE Transactions on Power Systems, 2020, 35, 2155-2166.	4.6	73
152	Multitime Scale Coordinated Scheduling for the Combined System of Wind Power, Photovoltaic, Thermal Generator, Hydro Pumped Storage, and Batteries. IEEE Transactions on Industry Applications, 2020, 56, 2227-2237.	3.3	73
153	Analyzing Locally Coordinated Cyber-Physical Attacks for Undetectable Line Outages. IEEE Transactions on Smart Grid, 2018, 9, 35-47.	6.2	71
154	Resilience Enhancement Strategies for Power Distribution Network Coupled With Urban Transportation System. IEEE Transactions on Smart Grid, 2019, 10, 4068-4079.	6.2	70
155	Optimal Planning of Islanded Integrated Energy System With Solar-Biogas Energy Supply. IEEE Transactions on Sustainable Energy, 2020, 11, 2437-2448.	5.9	70
156	Coalitional Game-Based Transactive Energy Management in Local Energy Communities. IEEE Transactions on Power Systems, 2020, 35, 1729-1740.	4.6	70
157	Optimal Consensus-Based Distributed Control Strategy for Coordinated Operation of Networked Microgrids. IEEE Transactions on Power Systems, 2020, 35, 2452-2462.	4.6	69
158	Distribution Automation Strategies: Evolution of Technologies and the Business Case. IEEE Transactions on Smart Grid, 2015, 6, 2166-2175.	6.2	68
159	Decentralized Short-Term Voltage Control in Active Power Distribution Systems. IEEE Transactions on Smart Grid, 2018, 9, 4566-4576.	6.2	68
160	Reconfigurable Distribution Network for Managing Transactive Energy in a Multi-Microgrid System. IEEE Transactions on Smart Grid, 2020, 11, 1286-1295.	6.2	67
161	Optimizing Traffic Signal Settings in Smart Cities. IEEE Transactions on Smart Grid, 2017, 8, 2382-2393.	6.2	66
162	A Hybrid Stochastic-Interval Operation Strategy for Multi-Energy Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 440-456.	6.2	66

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163	Role of smart microgrid in a perfect power system. , 2010, , .		65
164	Smart street lighting system: A platform for innovative smart city applications and a new frontier for cyber-security. Electricity Journal, 2016, 29, 28-35.	1.3	65
165	Energy Harvesting for the Electrification of Railway Stations: Getting a charge from the regenerative braking of trains. IEEE Electrification Magazine, 2014, 2, 39-48.	1.8	64
166	Partial Decomposition for Distributed Electric Vehicle Charging Control Considering Electric Power Grid Congestion. IEEE Transactions on Smart Grid, 2017, 8, 75-83.	6.2	64
167	Coordinated Planning of Transportation and Electric Power Networks With the Proliferation of Electric Vehicles. IEEE Transactions on Smart Grid, 2020, 11, 4005-4016.	6.2	63
168	Cyber-Attack on Overloading Multiple Lines: A Bilevel Mixed-Integer Linear Programming Model. IEEE Transactions on Smart Grid, 2018, 9, 1534-1536.	6.2	62
169	Risk and profit in self-scheduling for GenCos. IEEE Transactions on Power Systems, 2004, 19, 2104-2106.	4.6	61
170	Risk Assessment in Extreme Events Considering the Reliability of Protection Systems. IEEE Transactions on Smart Grid, 2015, 6, 1073-1081.	6.2	61
171	Two-Stage Load Shedding for Secondary Control in Hierarchical Operation of Islanded Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 3103-3111.	6.2	61
172	Improved data driven model free adaptive constrained control for a solid oxide fuel cell. IET Control Theory and Applications, 2016, 10, 1412-1419.	1.2	60
173	Fatigue Load Sensitivity-Based Optimal Active Power Dispatch For Wind Farms. IEEE Transactions on Sustainable Energy, 2017, 8, 1247-1259.	5.9	60
174	Grid Secondary Frequency Control by Optimized Fuzzy Control of Electric Vehicles. IEEE Transactions on Smart Grid, 2018, 9, 5613-5621.	6.2	60
175	Optimal Stochastic Operation of Integrated Electric Power and Renewable Energy With Vehicle-Based Hydrogen Energy System. IEEE Transactions on Power Systems, 2021, 36, 4310-4321.	4.6	60
176	Microgrid Risk Analysis Considering the Impact of Cyber Attacks on Solar PV and ESS Control Systems. IEEE Transactions on Smart Grid, 2017, 8, 1330-1339.	6.2	59
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