

# Amjad Anvari-Moghaddam

## List of Publications by Year in descending order

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240  
papers

7,092  
citations

61687

45  
h-index

100535

70  
g-index

242  
all docs

242  
docs citations

242  
times ranked

5326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart home energy management system "a review. <i>Advances in Building Energy Research</i> , 2022, 16, 118-143.	1.1	32
2	Day-Ahead and Intraday Dispatch of an Integrated Biomass-Concentrated Solar System: A Multi-Objective Risk-Controlling Approach. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 701-714.	4.6	41
3	Transmission Expansion Planning Considering Resistance Variations of Overhead Lines Using Minimum-Volume Covering Ellipsoid. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 1916-1926.	4.6	3
4	Resource Offload Consolidation Based on Deep-Reinforcement Learning Approach in Cyber-Physical Systems. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2022, 6, 245-254.	3.4	17
5	Offering and bidding for a wind producer paired with battery and CAES units considering battery degradation. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 136, 107685.	3.3	15
6	An Improved and Fast MPPT Algorithm for PV Systems Under Partially Shaded Conditions. <i>IEEE Transactions on Sustainable Energy</i> , 2022, 13, 732-742.	5.9	14
7	Multi-energy microgrids: An optimal despatch model for water-energy nexus. <i>Sustainable Cities and Society</i> , 2022, 77, 103573.	5.1	19
8	An Innovative Coalitional Trading Model for a Biomass Power Plant Paired With Green Energy Resources. <i>IEEE Transactions on Sustainable Energy</i> , 2022, 13, 892-904.	5.9	18
9	Data Mining Applications to Fault Diagnosis in Power Electronic Systems: A Systematic Review. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 6026-6050.	5.4	17
10	Short-term reliability and economic evaluation of resilient microgrids under incentive-based demand response programs. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 138, 107918.	3.3	20
11	A Secure Federated Deep Learning-Based Approach for Heating Load Demand Forecasting in Building Environment. <i>IEEE Access</i> , 2022, 10, 5037-5050.	2.6	18
12	Modeling hybrid energy systems for marine applications: Hybrid electric ships. , 2022, , 419-437.		1
13	Heating and Cooling Loads Forecasting for Residential Buildings Based on Hybrid Machine Learning Applications: A Comprehensive Review and Comparative Analysis. <i>IEEE Access</i> , 2022, 10, 2196-2215.	2.6	26
14	Proportional Hysteresis Band Control for DC Voltage Stability of Three-Phase Single-Stage PV Systems. <i>Electronics (Switzerland)</i> , 2022, 11, 452.	1.8	4
15	Optimal Scheduling of a Self-Healing Building Using Hybrid Stochastic-Robust Optimization Approach. <i>IEEE Transactions on Industry Applications</i> , 2022, 58, 3217-3226.	3.3	9
16	Photovoltaic array reconfiguration under partial shading conditions for maximum power extraction: A state-of-the-art review and new solution method. <i>Energy Conversion and Management</i> , 2022, 258, 115468.	4.4	27
17	A comprehensive review on applications of multicriteria decision-making methods in power and energy systems. <i>International Journal of Energy Research</i> , 2022, 46, 4088-4118.	2.2	28
18	Network hardening and optimal placement of microgrids to improve transmission system resilience: A two-stage linear program. <i>Reliability Engineering and System Safety</i> , 2022, 224, 108536.	5.1	22

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19	Two-Stage Stochastic Market Clearing of Energy and Reserve in the Presence of Coupled Fuel Cell-Based Hydrogen Storage System with Renewable Resources. <i>Power Systems</i> , 2022, , 267-292.	0.3	1
20	A Consumer-Oriented Incentive Strategy for EV Charging in Multiareas Under Stochastic Risk-Constrained Scheduling Framework. <i>IEEE Transactions on Industry Applications</i> , 2022, 58, 5262-5274.	3.3	7
21	Applications of artificial intelligence in renewable energy systems. <i>IET Renewable Power Generation</i> , 2022, 16, 1279-1282.	1.7	8
22	Peer-to-peer decentralized energy trading in industrial town considering central shared energy storage using alternating direction method of multipliers algorithm. <i>IET Renewable Power Generation</i> , 2022, 16, 2579-2589.	1.7	14
23	On the Role of Renewable Energy Policies and Electric Vehicle Deployment Incentives for a Greener Sector Coupling. <i>IEEE Access</i> , 2022, 10, 53873-53893.	2.6	10
24	Multi-objective Stochastic Planning of Electric Vehicle Charging Stations in Unbalanced Distribution Networks Supported by Smart Photovoltaic Inverters. <i>Sustainable Cities and Society</i> , 2022, 84, 104029.	5.1	29
25	Distributed Finite-Time Fault-Tolerant Control of Isolated AC Microgrids Considering Input Constraints. <i>IEEE Transactions on Smart Grid</i> , 2022, 13, 4525-4537.	6.2	9
26	Resilience-constrained expansion planning of integrated power-gas-heat distribution networks. <i>Applied Energy</i> , 2022, 323, 119315.	5.1	15
27	Network-Constrained Joint Energy and Flexible Ramping Reserve Market Clearing of Power- and Heat-Based Energy Systems: A Two-Stage Hybrid IGDT-Stochastic Framework. <i>IEEE Systems Journal</i> , 2021, 15, 1547-1556.	2.9	35
28	Risk-Based Stochastic Scheduling of Resilient Microgrids Considering Demand Response Programs. <i>IEEE Systems Journal</i> , 2021, 15, 971-980.	2.9	33
29	A Novel Operational Model for Interconnected Microgrids Participation in Transactive Energy Market: A Hybrid IGDT/Stochastic Approach. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 4025-4035.	7.2	78
30	A hybrid robust-stochastic approach to evaluate the profit of a multi-energy retailer in tri-layer energy markets. <i>Energy</i> , 2021, 214, 118948.	4.5	27
31	Techno-economic and environmental assessment of the coordinated operation of regional grid-connected energy hubs considering high penetration of wind power. <i>Journal of Cleaner Production</i> , 2021, 280, 124275.	4.6	41
32	Risk-constrained self-scheduling of a hybrid power plant considering interval-based intraday demand response exchange market prices. <i>Journal of Cleaner Production</i> , 2021, 282, 125344.	4.6	61
33	Optimal Behavior of a Hybrid Power Producer in Day-Ahead and Intraday Markets: A Bi-Objective CVaR-Based Approach. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 931-943.	5.9	52
34	An Introduction to Microgrids, Concepts, Definition, and Classifications. <i>Power Systems</i> , 2021, , 3-16.	0.3	4
35	The Effect of Ratio-Based Incentive on Wind Capacity Development and Investment Risk of Wind Units: A System Dynamics Approach. <i>IEEE Access</i> , 2021, 9, 110772-110786.	2.6	4
36	An Efficient Framework for Improving Microgrid Resilience Against Islanding With Battery Swapping Stations. <i>IEEE Access</i> , 2021, 9, 40008-40018.	2.6	9

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37	A practical solution based on convolutional neural network for non-intrusive load monitoring. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 9775-9789.	3.3	42
38	Privacy-preserving mechanism for collaborative operation of high-renewable power systems and industrial energy hubs. <i>Applied Energy</i> , 2021, 283, 116338.	5.1	31
39	Chance-constrained scheduling of hybrid microgrids under transactive energy control. <i>International Journal of Energy Research</i> , 2021, 45, 10173-10190.	2.2	33
40	A cyber-secure model to decentralized co-expansion planning of gas and electricity networks. <i>International Journal of Energy Research</i> , 2021, 45, 13414-13428.	2.2	10
41	Emerging Technologies for the Energy Systems of the Future. <i>Inventions</i> , 2021, 6, 23.	1.3	2
42	A hybrid robust-stochastic approach for optimal scheduling of interconnected hydrogen-based energy hubs. <i>IET Smart Grid</i> , 2021, 4, 241-254.	1.5	18
43	Risk-based optimal operation of coordinated natural gas and reconfigurable electrical networks with integrated energy hubs. <i>IET Renewable Power Generation</i> , 2021, 15, 2657-2673.	1.7	11
44	A novel power management strategy based on combination of 3D droop control and EKF in DC microgrids. <i>IET Renewable Power Generation</i> , 2021, 15, 2540-2555.	1.7	3
45	Municipal solid waste-based district heating and electricity production: A case study. <i>Journal of Cleaner Production</i> , 2021, 297, 126495.	4.6	12
46	A hover view over effectual approaches on pandemic management for sustainable cities – The endowment of prospective technologies with revitalization strategies. <i>Sustainable Cities and Society</i> , 2021, 68, 102789.	5.1	69
47	District heating and electricity production based on biogas produced from municipal WWTPs in Turkey: A comprehensive case study. <i>Energy</i> , 2021, 223, 119904.	4.5	19
48	Quasi-Luenberger Observer-Based Robust DC Link Control of UIPC for Flexible Power Exchange Control in Hybrid Microgrids. <i>IEEE Systems Journal</i> , 2021, 15, 2845-2854.	2.9	12
49	Network-constrained rail transportation and power system scheduling with mobile battery energy storage under a multi-objective two-stage stochastic programming. <i>International Journal of Energy Research</i> , 2021, 45, 18827-18845.	2.2	11
50	Space cooling using geothermal single-effect water/lithium bromide absorption chiller. <i>Energy Science and Engineering</i> , 2021, 9, 1747-1760.	1.9	17
51	Stochastic electrical and thermal energy management of energy hubs integrated with demand response programs and renewable energy: A prioritized multi-objective framework. <i>Electric Power Systems Research</i> , 2021, 196, 107183.	2.1	34
52	An improved 24-pulse rectifier for harmonic mitigation in more electric aircraft. <i>IET Power Electronics</i> , 2021, 14, 2007-2020.	1.5	10
53	Advanced Exergy Analysis of Waste-Based District Heating Options through Case Studies. <i>Energies</i> , 2021, 14, 4766.	1.6	4
54	Strategic planning of power to gas energy storage facilities in electricity market. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 46, 101238.	1.7	1

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55	A comprehensive review on energy saving options and saving potential in low voltage electricity distribution networks: Building and public lighting. <i>Sustainable Cities and Society</i> , 2021, 72, 103064.	5.1	44
56	Machine learning-based utilization of renewable power curtailments under uncertainty by planning of hydrogen systems and battery storages. <i>Journal of Energy Storage</i> , 2021, 41, 103010.	3.9	33
57	Modeling and analysis of a solar boosted biomass-driven combined cooling, heating and power plant for domestic applications. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101326.	1.7	13
58	Optimal risk-constrained stochastic scheduling of microgrids with hydrogen vehicles in real-time and day-ahead markets. <i>Journal of Cleaner Production</i> , 2021, 318, 128452.	4.6	33
59	Strategic Operation of a Virtual Energy Hub With the Provision of Advanced Ancillary Services in Industrial Parks. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 2062-2073.	5.9	43
60	Risk-involved optimal operating strategy of a hybrid power generation company: A mixed interval-CVaR model. <i>Energy</i> , 2021, 232, 120975.	4.5	33
61	Robust network-constrained energy management of a multiple energy distribution company in the presence of multi-energy conversion and storage technologies. <i>Sustainable Cities and Society</i> , 2021, 74, 103147.	5.1	34
62	Multi-objective IGDT-based scheduling of low-carbon multi-energy microgrids integrated with hydrogen refueling stations and electric vehicle parking lots. <i>Sustainable Cities and Society</i> , 2021, 74, 103197.	5.1	65
63	Adjusting heat demands using the operational data of district heating systems. <i>Energy</i> , 2021, 235, 121368.	4.5	9
64	Robust decentralized optimization of Multi-Microgrids integrated with Power-to-X technologies. <i>Applied Energy</i> , 2021, 304, 117635.	5.1	91
65	Pulse Tripling Circuit and Twelve Pulse Rectifier Combination for Sinusoidal Input Current. <i>IEEE Access</i> , 2021, 9, 103588-103599.	2.6	14
66	Optimal energy scheduling of a solar-based hybrid ship considering cold ironing facilities. <i>IET Renewable Power Generation</i> , 2021, 15, 532-547.	1.7	15
67	Conditional value-at-risk model for smart home energy management systems. <i>E-Prime</i> , 2021, 1, 100006.	2.1	11
68	A Consumer-Oriented Incentive Mechanism for EVs Charging in Multi-Microgrids Based on Price Information Sharing. , 2021, , .		4
69	A Novel Transactive Energy Model for Reliable Operation of Resilient Multi-Microgrids Cluster. , 2021, , .		1
70	Coronavirus Herd Immunity Optimizer (CHIO) for Transmission Expansion Planning. , 2021, , .		4
71	Robust Energy-Water Management of a Self-healing Complex Based on System-of-Systems. , 2021, , .		1
72	Battery Storage Energy Arbitrage Under Stochastic Dominance Constraints: A New Benchmark Selection Approach. , 2021, , .		2

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73	Data-Driven Coordinated Control of AVR and PSS in Power Systems: A Deep Reinforcement Learning Method. , 2021, , .		1
74	Reliability Assessment of Power Distribution Networks Considering Covid-19 Pandemic. , 2021, , .		0
75	Model Reference Adaptive Control of UIPC in Islanded Hybrid Microgrids with Flexible Loads and Storages. , 2021, , .		1
76	Techno-Economic Analysis of Hybrid Energy Systems with 100% Renewables in the Grid Modernization Process. , 2021, , .		0
77	Large-Consumer Energy Procurement Optimization Using a Hybrid IGDT-Stochastic Approach. , 2021, , .		0
78	Hybrid Robust-CVaR optimization of Hybrid AC-DC Microgrid. , 2021, , .		0
79	Exergoeconomic and Environmental Analysis and Multi-Objective Optimization of a New Regenerative Gas Turbine Combined Cycle. Applied Sciences (Switzerland), 2021, 11, 11554.	1.3	8
80	An efficient interactive framework for improving resilience of power-water distribution systems with multiple privately-owned microgrids. International Journal of Electrical Power and Energy Systems, 2020, 116, 105550.	3.3	51
81	Co-optimized bidding strategy of an integrated wind-thermal-photovoltaic system in deregulated electricity market under uncertainties. Journal of Cleaner Production, 2020, 242, 118434.	4.6	93
82	Prediction of energy expenditure during activities of daily living by a wearable set of inertial sensors. Medical Engineering and Physics, 2020, 75, 13-22.	0.8	10
83	Hourly Price-Based Demand Response for Optimal Scheduling of Integrated Gas and Power Networks Considering Compressed Air Energy Storage. , 2020, , 55-74.		1
84	Stochastic Risk-Constrained Scheduling of Renewable-Powered Autonomous Microgrids With Demand Response Actions: Reliability and Economic Implications. IEEE Transactions on Industry Applications, 2020, 56, 1882-1895.	3.3	61
85	Two-Stage Robust Optimization for Resilient Operation of Microgrids Considering Hierarchical Frequency Control Structure. IEEE Transactions on Industrial Electronics, 2020, 67, 9439-9449.	5.2	49
86	A game theoretical approach for sub-transmission and generation expansion planning utilizing multi-regional energy systems. International Journal of Electrical Power and Energy Systems, 2020, 118, 105758.	3.3	22
87	Small-scale CCHP systems for waste heat recovery from cement plants: Thermodynamic, sustainability and economic implications. Energy, 2020, 192, 116634.	4.5	62
88	Coordinated wind-thermal-energy storage offering strategy in energy and spinning reserve markets using a multi-stage model. Applied Energy, 2020, 259, 114168.	5.1	102
89	Bi-Level Operation Scheduling of Distribution Systems with Multi-Microgrids Considering Uncertainties. Electronics (Switzerland), 2020, 9, 1441.	1.8	5
90	Optimal Operation of Integrated Electrical and Natural Gas Networks with a Focus on Distributed Energy Hub Systems. Sustainability, 2020, 12, 8320.	1.6	37

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91	A novel hybrid two-stage framework for flexible bidding strategy of reconfigurable micro-grid in day-ahead and real-time markets. International Journal of Electrical Power and Energy Systems, 2020, 123, 106293.	3.3	63
92	A New Robust Control Strategy for Parallel Operated Inverters in Green Energy Applications. Energies, 2020, 13, 3480.	1.6	30
93	4E Analyses of a Hybrid Waste-Driven CHP&#x2013;ORC Plant with Flue Gas Condensation. Sustainability, 2020, 12, 9449.	1.6	24
94	Stochastic Predictive Energy Management of Multi-Microgrid Systems. Applied Sciences (Switzerland), 2020, 10, 4833.	1.3	41
95	Robust Optimization Approach for Generation Scheduling of a Hybrid Thermal-Energy Storage System. , 2020, , .		2
96	Optimal Battery Storage Arbitrage Considering Degradation Cost in Energy Markets. , 2020, , .		6
97	Optimal Robust LQI Controller Design for Z-Source Inverters. Applied Sciences (Switzerland), 2020, 10, 7260.	1.3	10
98	Energy management strategy for a short&#x2013;route hybrid cruise ship: an IGDT&#x2013;based approach. IET Renewable Power Generation, 2020, 14, 1755-1763.	1.7	18
99	A technical assessment on photovoltaic power generation under varying weather profile &#x201c; Northumbria university pilot. , 2020, , .		2
100	A Bi-Level Framework for Optimal Energy Management of Electrical Energy Storage Units in Power Systems. IEEE Access, 2020, 8, 216141-216150.	2.6	5
101	Operational Planning of a Hybrid Power Plant for Off-Grid Mining Site: A Risk-constrained Optimization Approach. , 2020, , .		1
102	Robust Optimal Operation Strategy for a Hybrid Energy System Based on Gas-Fired Unit, Power-to-Gas Facility and Wind Power in Energy Markets. Energies, 2020, 13, 6131.	1.6	25
103	Improving Residential Load Disaggregation for Sustainable Development of Energy via Principal Component Analysis. Sustainability, 2020, 12, 3158.	1.6	44
104	Evaluating the impact of multi-carrier energy storage systems in optimal operation of integrated electricity, gas and district heating networks. Applied Thermal Engineering, 2020, 176, 115413.	3.0	79
105	A security-based observability method for optimal PMU-sensor placement in WAMS. International Journal of Electrical Power and Energy Systems, 2020, 121, 106157.	3.3	23
106	Practical implementation of residential load management system by considering vehicle-for-power transfer: Profit analysis. Sustainable Cities and Society, 2020, 60, 102144.	5.1	12
107	Optimal Operation of Energy Hubs Considering Uncertainties and Different Time Resolutions. IEEE Transactions on Industry Applications, 2020, 56, 5543-5552.	3.3	85
108	Chance-constrained models for transactive energy management of interconnected microgrid clusters. Journal of Cleaner Production, 2020, 271, 122177.	4.6	68



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109	Performance Evaluation of Two Machine Learning Techniques in Heating and Cooling Loads Forecasting of Residential Buildings. Applied Sciences (Switzerland), 2020, 10, 3829.	1.3	67
110	A bi-level model for strategic bidding of a price-maker retailer with flexible demands in day-ahead electricity market. International Journal of Electrical Power and Energy Systems, 2020, 121, 106065.	3.3	49
111	A Novel Hybrid Framework for Co-Optimization of Power and Natural Gas Networks Integrated With Emerging Technologies. IEEE Systems Journal, 2020, 14, 3598-3608.	2.9	53
112	Stochastic Operation of a Solar-Powered Smart Home: Capturing Thermal Load Uncertainties. Sustainability, 2020, 12, 5089.	1.6	11
113	Geothermal driven micro-CCHP for domestic application – Exergy, economic and sustainability analysis. Energy, 2020, 207, 118195.	4.5	59
114	Day-ahead profit-based reconfigurable microgrid scheduling considering uncertain renewable generation and load demand in the presence of energy storage. Journal of Energy Storage, 2020, 28, 101161.	3.9	46
115	A Deep Neural Network-Assisted Approach to Enhance Short-Term Optimal Operational Scheduling of a Microgrid. Sustainability, 2020, 12, 1653.	1.6	20
116	Optimal Chance-Constrained Scheduling of Reconfigurable Microgrids Considering Islanding Operation Constraints. IEEE Systems Journal, 2020, 14, 5340-5349.	2.9	60
117	Enhancing Integrated Power and Water Distribution Networks Seismic Resilience Leveraging Microgrids. Sustainability, 2020, 12, 2167.	1.6	11
118	A Spatial-Based Integration Model for Regional Scale Solar Energy Technical Potential. Sustainability, 2020, 12, 1890.	1.6	8
119	Offering Strategy of Thermal-Photovoltaic-Storage Based Generation Company in Day-Ahead Market. , 2020, , 113-133.		5
120	Risk-averse probabilistic framework for scheduling of virtual power plants considering demand response and uncertainties. International Journal of Electrical Power and Energy Systems, 2020, 121, 106126.	3.3	61
121	Application of CCHPs in a centralized domestic heating, cooling and power network – Thermodynamic and economic implications. Sustainable Cities and Society, 2020, 60, 102151.	5.1	39
122	Support Vector Machine-Assisted Improvement Residential Load Disaggregation. , 2020, , .		11
123	Thermodynamic, Economic, and Environmental Analyses of a Waste-Fired Trigeneration Plant. Energies, 2020, 13, 2476.	1.6	19
124	Enhancing Cyber-Security of Distributed Robust State Estimation: Identification of Data Integrity Attacks in Multi-Operator Power System. , 2020, , .		1
125	Solar-Powered Energy Systems for Water Desalination, Power, Cooling, Heating, and Hydrogen Production: Exergy and Exergoeconomic Analysis. , 2020, , 61-81.		1
126	A Stochastic Transactive Energy Model for Optimal Dispatch of Integrated Low-Carbon Energy Hubs in the Incorporated Electricity and Gas Networks. , 2020, , .		5



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127	Optimal simultaneous day-ahead scheduling and hourly reconfiguration of distribution systems considering responsive loads. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 104, 537-548.	3.3	63
128	An optimal market-oriented demand response model for price-responsive residential consumers. <i>Energy Efficiency</i> , 2019, 12, 803-815.	1.3	23
129	Risk-involved participation of electric vehicle aggregator in energy markets with robust decision-making approach. <i>Journal of Cleaner Production</i> , 2019, 239, 118076.	4.6	32
130	Stochastic expansion planning of gas and electricity networks: A decentralized-based approach. <i>Energy</i> , 2019, 186, 115889.	4.5	45
131	A Decentralized Adaptive Control Method for Frequency Regulation and Power Sharing in Autonomous Microgrids. , 2019, , .		12
132	Optimal Operation Scheduling of a Microgrid Incorporating Battery Swapping Stations. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 5063-5072.	4.6	67
133	Co-optimal PMU and communication system placement using hybrid wireless sensors. <i>Sustainable Energy, Grids and Networks</i> , 2019, 19, 100238.	2.3	21
134	Power-Heat Generation Sources Planning in Microgrids to Enhance Resilience against Islanding due to Natural Disasters. , 2019, , .		5
135	Optimal Operation of an Energy Hub in the Presence of Uncertainties. , 2019, , .		15
136	A stochastic bi-level decision-making framework for a load-serving entity in day-ahead and balancing markets. <i>International Transactions on Electrical Energy Systems</i> , 2019, 29, e12109.	1.2	26
137	Thermodynamic and sustainability analysis of a municipal waste-driven combined cooling, heating and power (CCHP) plant. <i>Energy Conversion and Management</i> , 2019, 201, 112158.	4.4	62
138	Dynamic Pricing for Microgrids Energy Transaction in Blockchain-based Ecosystem. , 2019, , .		3
139	Sustainable Energy Systems Planning, Integration, and Management. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4451.	1.3	7
140	Optimal Design of a Wide Area Measurement System Using Hybrid Wireless Sensors and Phasor Measurement Units. <i>Electronics (Switzerland)</i> , 2019, 8, 1085.	1.8	13
141	Optimal Day-Ahead Scheduling of the Renewable Based Energy Hubs Considering Demand Side Energy Management. , 2019, , .		16
142	An Efficient Decision-Making Approach for Optimal Energy Management of Microgrids. , 2019, , .		2
143	Microgrid optimal energy and reserve scheduling considering frequency constraints. , 2019, , .		1
144	A Transactive Energy Management Framework for Regional Network of Microgrids. , 2019, , .		17

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145	Integrated Management of Energy, Wellbeing and Health in the Next Generation of Smart Homes. Sensors, 2019, 19, 481.	2.1	34
146	A New Layered Architecture for Future Big Data-Driven Smart Homes. IEEE Access, 2019, 7, 19002-19012.	2.6	48
147	Risk-Constrained Optimal Chiller Loading Strategy Using Information Gap Decision Theory. Applied Sciences (Switzerland), 2019, 9, 1925.	1.3	16
148	Risk-Constrained Stochastic Scheduling of a Grid-Connected Hybrid Microgrid with Variable Wind Power Generation. Electronics (Switzerland), 2019, 8, 577.	1.8	10
149	Retail market equilibrium and interactions among reconfigurable networked microgrids. Sustainable Cities and Society, 2019, 49, 101628.	5.1	18
150	Stochastic Predictive Control of Multi-Microgrid Systems. IEEE Transactions on Industry Applications, 2019, 55, 5311-5319.	3.3	55
151	Optimal Operational Scheduling of Reconfigurable Multi-Microgrids Considering Energy Storage Systems. Energies, 2019, 12, 1766.	1.6	29
152	Optimal Operational Scheduling of Reconfigurable Microgrids in Presence of Renewable Energy Sources. Energies, 2019, 12, 1858.	1.6	20
153	A Flexible Responsive Load Economic Model for Industrial Demands. Processes, 2019, 7, 147.	1.3	14
154	Optimal probabilistic planning of passive harmonic filters in distribution networks with high penetration of photovoltaic generation. International Journal of Electrical Power and Energy Systems, 2019, 110, 332-348.	3.3	38
155	A hierarchical energy management strategy for interconnected microgrids considering uncertainty. International Journal of Electrical Power and Energy Systems, 2019, 109, 597-608.	3.3	121
156	Resilience improvement planning of power-water distribution systems with multiple microgrids against hurricanes using clean strategies. Journal of Cleaner Production, 2019, 223, 109-126.	4.6	56
157	Risk-based probabilistic-possibilistic self-scheduling considering high-impact low-probability events uncertainty. International Journal of Electrical Power and Energy Systems, 2019, 110, 598-612.	3.3	43
158	A Multi-Market-Driven Approach to Energy Scheduling of Smart Microgrids in Distribution Networks. Sustainability, 2019, 11, 301.	1.6	18
159	Sub-Transmission Network Expansion Planning Considering Regional Energy Systems: A Bi-Level Approach. Electronics (Switzerland), 2019, 8, 1416.	1.8	6
160	AHP-Assisted Multi-Criteria Decision-Making Model for Planning of Microgrids. , 2019, , .		7
161	Hybrid mixed-integer non-linear programming approach for directional over-current relay coordination. Journal of Engineering, 2019, 2019, 4743-4747.	0.6	4
162	Producing Bio-electricity and Bio-heat from Urban Sewage Sludge in Turkey Using a Two-Stage Process. , 2019, , .		5

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163	A Hybrid Power System Laboratory: Testing Electric and Hybrid Propulsion. IEEE Electrification Magazine, 2019, 7, 89-97.	1.8	16
164	Stochastic risk-constrained decision-making approach for a retailer in a competitive environment with flexible demand side resources. International Transactions on Electrical Energy Systems, 2019, 29, e2719.	1.2	17
165	Optimal robust operation of combined heat and power systems with demand response programs. Applied Thermal Engineering, 2019, 149, 1359-1369.	3.0	90
166	A decentralized robust model for optimal operation of distribution companies with private microgrids. International Journal of Electrical Power and Energy Systems, 2019, 106, 105-123.	3.3	67
167	Distributed parallel cooperative coevolutionary multi-objective large-scale immune algorithm for deployment of wireless sensor networks. Future Generation Computer Systems, 2018, 82, 256-267.	4.9	26
168	Optimal scheduling of distributed energy resources and responsive loads in islanded microgrids considering voltage and frequency security constraints. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	17
169	Evaluation of reliability in risk-constrained scheduling of autonomous microgrids with demand response and renewable resources. IET Renewable Power Generation, 2018, 12, 657-667.	1.7	69
170	Improving Utility of GPU in Accelerating Industrial Applications With User-Centered Automatic Code Translation. IEEE Transactions on Industrial Informatics, 2018, 14, 1347-1360.	7.2	6
171	Sensor-based and Sensorless Vector Control of PM Synchronous Motor Drives: A Comparative Study. , 2018, , .		3
172	Optimal Operational Scheduling of Smart Microgrids Considering Hourly Reconfiguration. , 2018, , .		1
173	Optimal Design and Operation Management of Battery-Based Energy Storage Systems (BESS) in Microgrids. , 2018, , .		2
174	MetaSyCar: A System for Metabolic Syndrome Control and Caring. , 2018, , .		1
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