

Amjad Anvari-Moghaddam

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5031477/publications.pdf>

Version: 2024-02-01

240
papers

7,092
citations

53794

45
h-index

88630

70
g-index

242
all docs

242
docs citations

242
times ranked

4647
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart home energy management system " a review. <i>Advances in Building Energy Research</i> , 2022, 16, 118-143.	2.3	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.	6.5	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.	6.5	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.	4.9	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.	5.5	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.	8.8	14
7	Multi-energy microgrids: An optimal despatch model for water-energy nexus. <i>Sustainable Cities and Society</i> , 2022, 77, 103573.	10.4	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.	8.8	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.	7.9	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.	5.5	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.	4.2	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.	4.2	26
14	Proportional Hysteresis Band Control for DC Voltage Stability of Three-Phase Single-Stage PV Systems. <i>Electronics (Switzerland)</i> , 2022, 11, 452.	3.1	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.	4.9	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.	9.2	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.	4.5	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.	8.9	22

#	ARTICLE	IF	CITATIONS
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.	0.5	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.	4.9	7
21	Applications of artificial intelligence in renewable energy systems. <i>IET Renewable Power Generation</i> , 2022, 16, 1279-1282.	3.1	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.	3.1	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.	4.2	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.	10.4	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.	9.0	9
26	Resilience-constrained expansion planning of integrated power-gas-heat distribution networks. <i>Applied Energy</i> , 2022, 323, 119315.	10.1	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.	4.6	35
28	Risk-Based Stochastic Scheduling of Resilient Microgrids Considering Demand Response Programs. <i>IEEE Systems Journal</i> , 2021, 15, 971-980.	4.6	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.	11.3	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.	8.8	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.	9.3	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.	9.3	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.	8.8	52
34	An Introduction to Microgrids, Concepts, Definition, and Classifications. <i>Power Systems</i> , 2021, , 3-16.	0.5	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.	4.2	4
36	An Efficient Framework for Improving Microgrid Resilience Against Islanding With Battery Swapping Stations. <i>IEEE Access</i> , 2021, 9, 40008-40018.	4.2	9

#	ARTICLE	IF	CITATIONS
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.	4.9	42
38	Privacy-preserving mechanism for collaborative operation of high-renewable power systems and industrial energy hubs. <i>Applied Energy</i> , 2021, 283, 116338.	10.1	31
39	Chance-constrained scheduling of hybrid microgrids under transactive energy control. <i>International Journal of Energy Research</i> , 2021, 45, 10173-10190.	4.5	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.	4.5	10
41	Emerging Technologies for the Energy Systems of the Future. <i>Inventions</i> , 2021, 6, 23.	2.5	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.	2.2	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.	3.1	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.	3.1	3
45	Municipal solid waste-based district heating and electricity production: A case study. <i>Journal of Cleaner Production</i> , 2021, 297, 126495.	9.3	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.	10.4	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.	8.8	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.	4.6	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.	4.5	11
50	Space cooling using geothermal single-effect water/lithium bromide absorption chiller. <i>Energy Science and Engineering</i> , 2021, 9, 1747-1760.	4.0	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.	3.6	34
52	An improved 24-pulse rectifier for harmonic mitigation in more electric aircraft. <i>IET Power Electronics</i> , 2021, 14, 2007-2020.	2.1	10
53	Advanced Exergy Analysis of Waste-Based District Heating Options through Case Studies. <i>Energies</i> , 2021, 14, 4766.	3.1	4
54	Strategic planning of power to gas energy storage facilities in electricity market. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 46, 101238.	2.7	1

#	ARTICLE	IF	CITATIONS
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.	10.4	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.	8.1	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.	2.7	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.	9.3	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.	8.8	43
60	Risk-involved optimal operating strategy of a hybrid power generation company: A mixed interval-CVaR model. <i>Energy</i> , 2021, 232, 120975.	8.8	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.	10.4	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.	10.4	65
63	Adjusting heat demands using the operational data of district heating systems. <i>Energy</i> , 2021, 235, 121368.	8.8	9
64	Robust decentralized optimization of Multi-Microgrids integrated with Power-to-X technologies. <i>Applied Energy</i> , 2021, 304, 117635.	10.1	91
65	Pulse Tripling Circuit and Twelve Pulse Rectifier Combination for Sinusoidal Input Current. <i>IEEE Access</i> , 2021, 9, 103588-103599.	4.2	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.	3.1	15
67	Conditional value-at-risk model for smart home energy management systems. <i>E-Prime</i> , 2021, 1, 100006.	2.0	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

#	ARTICLE	IF	CITATIONS
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.	2.5	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.	5.5	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.	9.3	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.	1.7	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.	4.9	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.	7.9	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.	5.5	22
87	Small-scale CCHP systems for waste heat recovery from cement plants: Thermodynamic, sustainability and economic implications. Energy, 2020, 192, 116634.	8.8	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.	10.1	102
89	Bi-Level Operation Scheduling of Distribution Systems with Multi-Microgrids Considering Uncertainties. Electronics (Switzerland), 2020, 9, 1441.	3.1	5
90	Optimal Operation of Integrated Electrical and Natural Gas Networks with a Focus on Distributed Energy Hub Systems. Sustainability, 2020, 12, 8320.	3.2	37

#	ARTICLE	IF	CITATIONS
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.	5.5	63
92	A New Robust Control Strategy for Parallel Operated Inverters in Green Energy Applications. Energies, 2020, 13, 3480.	3.1	30
93	4E Analyses of a Hybrid Waste-Driven CHP–ORC Plant with Flue Gas Condensation. Sustainability, 2020, 12, 9449.	3.2	24
94	Stochastic Predictive Energy Management of Multi-Microgrid Systems. Applied Sciences (Switzerland), 2020, 10, 4833.	2.5	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.	2.5	10
98	Energy management strategy for a short–route hybrid cruise ship: an IGDT–based approach. IET Renewable Power Generation, 2020, 14, 1755-1763.	3.1	18
99	A technical assessment on photovoltaic power generation under varying weather profile “ 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.	4.2	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.	3.1	25
103	Improving Residential Load Disaggregation for Sustainable Development of Energy via Principal Component Analysis. Sustainability, 2020, 12, 3158.	3.2	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.	6.0	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.	5.5	23
106	Practical implementation of residential load management system by considering vehicle-for-power transfer: Profit analysis. Sustainable Cities and Society, 2020, 60, 102144.	10.4	12
107	Optimal Operation of Energy Hubs Considering Uncertainties and Different Time Resolutions. IEEE Transactions on Industry Applications, 2020, 56, 5543-5552.	4.9	85
108	Chance-constrained models for transactive energy management of interconnected microgrid clusters. Journal of Cleaner Production, 2020, 271, 122177.	9.3	68

#	ARTICLE	IF	CITATIONS
109	Performance Evaluation of Two Machine Learning Techniques in Heating and Cooling Loads Forecasting of Residential Buildings. Applied Sciences (Switzerland), 2020, 10, 3829.	2.5	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.	5.5	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.	4.6	53
112	Stochastic Operation of a Solar-Powered Smart Home: Capturing Thermal Load Uncertainties. Sustainability, 2020, 12, 5089.	3.2	11
113	Geothermal driven micro-CCHP for domestic application – Exergy, economic and sustainability analysis. Energy, 2020, 207, 118195.	8.8	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.	8.1	46
115	A Deep Neural Network-Assisted Approach to Enhance Short-Term Optimal Operational Scheduling of a Microgrid. Sustainability, 2020, 12, 1653.	3.2	20
116	Optimal Chance-Constrained Scheduling of Reconfigurable Microgrids Considering Islanding Operation Constraints. IEEE Systems Journal, 2020, 14, 5340-5349.	4.6	60
117	Enhancing Integrated Power and Water Distribution Networks Seismic Resilience Leveraging Microgrids. Sustainability, 2020, 12, 2167.	3.2	11
118	A Spatial-Based Integration Model for Regional Scale Solar Energy Technical Potential. Sustainability, 2020, 12, 1890.	3.2	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.	5.5	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.	10.4	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.	3.1	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

#	ARTICLE	IF	CITATIONS
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.	5.5	63
128	An optimal market-oriented demand response model for price-responsive residential consumers. <i>Energy Efficiency</i> , 2019, 12, 803-815.	2.8	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.	9.3	32
130	Stochastic expansion planning of gas and electricity networks: A decentralized-based approach. <i>Energy</i> , 2019, 186, 115889.	8.8	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.	6.5	67
133	Co-optimal PMU and communication system placement using hybrid wireless sensors. <i>Sustainable Energy, Grids and Networks</i> , 2019, 19, 100238.	3.9	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.	1.9	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.	9.2	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.	2.5	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.	3.1	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

#	ARTICLE	IF	CITATIONS
145	Integrated Management of Energy, Wellbeing and Health in the Next Generation of Smart Homes. Sensors, 2019, 19, 481.	3.8	34
146	A New Layered Architecture for Future Big Data-Driven Smart Homes. IEEE Access, 2019, 7, 19002-19012.	4.2	48
147	Risk-Constrained Optimal Chiller Loading Strategy Using Information Gap Decision Theory. Applied Sciences (Switzerland), 2019, 9, 1925.	2.5	16
148	Risk-Constrained Stochastic Scheduling of a Grid-Connected Hybrid Microgrid with Variable Wind Power Generation. Electronics (Switzerland), 2019, 8, 577.	3.1	10
149	Retail market equilibrium and interactions among reconfigurable networked microgrids. Sustainable Cities and Society, 2019, 49, 101628.	10.4	18
150	Stochastic Predictive Control of Multi-Microgrid Systems. IEEE Transactions on Industry Applications, 2019, 55, 5311-5319.	4.9	55
151	Optimal Operational Scheduling of Reconfigurable Multi-Microgrids Considering Energy Storage Systems. Energies, 2019, 12, 1766.	3.1	29
152	Optimal Operational Scheduling of Reconfigurable Microgrids in Presence of Renewable Energy Sources. Energies, 2019, 12, 1858.	3.1	20
153	A Flexible Responsive Load Economic Model for Industrial Demands. Processes, 2019, 7, 147.	2.8	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.	5.5	38
155	A hierarchical energy management strategy for interconnected microgrids considering uncertainty. International Journal of Electrical Power and Energy Systems, 2019, 109, 597-608.	5.5	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.	9.3	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.	5.5	43
158	A Multi-Market-Driven Approach to Energy Scheduling of Smart Microgrids in Distribution Networks. Sustainability, 2019, 11, 301.	3.2	18
159	Sub-Transmission Network Expansion Planning Considering Regional Energy Systems: A Bi-Level Approach. Electronics (Switzerland), 2019, 8, 1416.	3.1	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.	1.1	4
162	Producing Bio-electricity and Bio-heat from Urban Sewage Sludge in Turkey Using a Two-Stage Process. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
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.	1.9	17
165	Optimal robust operation of combined heat and power systems with demand response programs. Applied Thermal Engineering, 2019, 149, 1359-1369.	6.0	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.	5.5	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.	7.5	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, .	2.0	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.	3.1	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.	11.3	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
175	Risk-Constrained Self-Scheduling and Forward Contracting Under Probabilistic-Possibilistic Uncertainties. , 2018, , .		1
176	Scheduling of Power Generations for Energy Saving in Hybrid AC/DC Shipboard Microgrids. , 2018, , .		5
177	A Hierarchical Game Theoretical Approach for Energy Management of Electric Vehicles and Charging Stations in Smart Grids. IEEE Access, 2018, 6, 67223-67234.	4.2	57
178	A Multi-Attribute Expansion Planning Model for Integrated Gas-Electricity System. Energies, 2018, 11, 2573.	3.1	22
179	Optimal Decision-Making Strategy of an Electric Vehicle Aggregator in Short-Term Electricity Markets. Energies, 2018, 11, 2413.	3.1	28
180	Stochastic Predictive Control of Multi-Microgrid Systems. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
181	A Decentralized Model for Coordinated Operation of Distribution Network and EV Aggregators. , 2018, , .		3
182	Optimal Overcurrent Relay Coordination in Presence of Inverter-Based Wind Farms and Electrical Energy Storage Devices. , 2018, , .		9
183	Integrated Expansion Planning of Gas-Electricity System: A Case Study in Iran. , 2018, , .		10
184	Scheduling of Power Generation in Hybrid Shipboard Microgrids with Energy Storage Systems. , 2018, , .		10
185	Leader-Follower Approach to Gas-Electricity Expansion Planning Problem. , 2018, , .		7
186	Stochastic Frequency-Security Constrained Scheduling of a Microgrid Considering Price-Driven Demand Response. , 2018, , .		9
187	Expansion Planning of Integrated Energy Systems with Flexible Demand-Side Resources. , 2018, , .		3
188	An economic customer-oriented demand response model in electricity markets. , 2018, , .		12
189	Internet of Things for Modern Energy Systems: State-of-the-Art, Challenges, and Open Issues. Energies, 2018, 11, 1252.	3.1	67
190	Multi-Residential Activity Labelling in Smart Homes with Wearable Tags Using BLE Technology. Sensors, 2018, 18, 908.	3.8	24
191	Dynamic Assessment of COTS Converters-Based DC Integrated Power Systems in Electric Ships. IEEE Transactions on Industrial Informatics, 2018, 14, 5518-5529.	11.3	36
192	Security-constrained unit commitment in AC microgrids considering stochastic price-based demand response and renewable generation. International Transactions on Electrical Energy Systems, 2018, 28, e2596.	1.9	32
193	Optimal operation management of a regional network of microgrids based on chance-constrained model predictive control. IET Generation, Transmission and Distribution, 2018, 12, 3772-3779.	2.5	25
194	A Stochastic Model Predictive Control Approach for Joint Operational Scheduling and Hourly Reconfiguration of Distribution Systems. Energies, 2018, 11, 1884.	3.1	21
195	Energy management systems for dc microgrids. , 2018, , 91-117.		0
196	Optimal Design of a Wide Area Measurement System for Improvement of Power Network Monitoring Using a Dynamic Multiobjective Shortest Path Algorithm. IEEE Systems Journal, 2017, 11, 2303-2314.	4.6	23
197	A cost-effective and emission-aware power management system for ships with integrated full electric propulsion. Electric Power Systems Research, 2017, 150, 63-75.	3.6	79
198	Multi-level energy management and optimal control of a residential DC microgrid. , 2017, , .		15

#	ARTICLE	IF	CITATIONS
199	Efficient energy management for a grid-tied residential microgrid. IET Generation, Transmission and Distribution, 2017, 11, 2752-2761.	2.5	96
200	Combined solar charging stations and energy storage units allocation for electric vehicles by considering uncertainties. , 2017, , .		6
201	Optimal sizing of a lithium battery energy storage system for grid-connected photovoltaic systems. , 2017, , .		27
202	Using smart meters data for energy management operations and power quality monitoring in a microgrid. , 2017, , .		30
203	Real-time Energy Management System for a hybrid AC/DC residential microgrid. , 2017, , .		29
204	Dynamic pricing: An efficient solution for true demand response enabling. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	16
205	Optimal scheduling of a multi-carrier energy hub supplemented by battery energy storage systems. , 2017, , .		25
206	A multi-agent based energy management solution for integrated buildings and microgrid system. Applied Energy, 2017, 203, 41-56.	10.1	226
207	Demand Side Management Using the Internet of Energy Based on Fog and Cloud Computing. , 2017, , .		21
208	A multi-objective demand side management considering ENS cost in smart grids. , 2017, , .		0
209	Stochastic security and risk-constrained scheduling for an autonomous microgrid with demand response and renewable energy resources. IET Renewable Power Generation, 2017, 11, 1812-1821.	3.1	66
210	Robust energy hub management using information gap decision theory. , 2017, , .		15
211	Economic demand response model in liberalised electricity markets with respect to flexibility of consumers. IET Generation, Transmission and Distribution, 2017, 11, 4291-4298.	2.5	49
212	Hybrid shipboard microgrids: System architectures and energy management aspects. , 2017, , .		14
213	Study of the Effect of Time-Based Rate Demand Response Programs on Stochastic Day-Ahead Energy and Reserve Scheduling in Islanded Residential Microgrids. Applied Sciences (Switzerland), 2017, 7, 378.	2.5	49
214	Coordination of EVs Participation for Load Frequency Control in Isolated Microgrids. Applied Sciences (Switzerland), 2017, 7, 539.	2.5	44
215	Special Issue on Advances in Integrated Energy Systems Design, Control and Optimization. Applied Sciences (Switzerland), 2017, 7, 727.	2.5	0
216	A Stochastic Bi-Level Scheduling Approach for the Participation of EV Aggregators in Competitive Electricity Markets. Applied Sciences (Switzerland), 2017, 7, 1100.	2.5	39

#	ARTICLE	IF	CITATIONS
217	Optimal Cooperative Management of Energy Storage Systems to Deal with Over- and Under-Voltages. Energies, 2017, 10, 293.	3.1	7
218	Demand side management using the internet of energy based on LoRaWAN technology. Kurdistan Journal of Applied Research, 2017, 2, 112-119.	0.4	2
219	Coordinated Demand Response and Distributed Generation Management in Residential Smart Microgrids. , 2016, , .		6
220	Smart Shipboard Power System Operation and Management. Inventions, 2016, 1, 22.	2.5	26
221	An efficient multi-objective approach for designing of communication interfaces in smart grids. , 2016, , .		5
222	Optimal adaptive droop control for effective load sharing in AC microgrids. , 2016, , .		16
223	Optimal planning and operation management of a ship electrical power system with energy storage system. , 2016, , .		30
224	Optimal real-time dispatch for integrated energy systems: An ontology-based multi-agent approach. , 2016, , .		9
225	Load shifting control and management of domestic microgeneration systems for improved energy efficiency and comfort. , 2015, , .		15
226	Optimal utilization of microgrids supplemented with battery energy storage systems in grid support applications. , 2015, , .		23
227	Optimized energy management of a single-house residential micro-grid with automated demand response. , 2015, , .		20
228	Optimal Smart Home Energy Management Considering Energy Saving and a Comfortable Lifestyle. IEEE Transactions on Smart Grid, 2015, 6, 324-332.	9.0	415
229	Cost-effective and comfort-aware residential energy management under different pricing schemes and weather conditions. Energy and Buildings, 2015, 86, 782-793.	6.7	95
230	Feasibility study of a novel methodology for solar radiation prediction on an hourly time scale: A case study in Plymouth, United Kingdom. Journal of Renewable and Sustainable Energy, 2014, 6, 033107.	2.0	8
231	Optimal energy management of a micro-grid with renewable energy resources and demand response. Journal of Renewable and Sustainable Energy, 2013, 5, 053148.	2.0	44
232	Multi-objective dispatch of distributed generations in a grid-connected micro-grid considering demand response actions. , 2013, , .		5
233	Multi-operation management of a typical micro-grids using Particle Swarm Optimization: A comparative study. Renewable and Sustainable Energy Reviews, 2012, 16, 1268-1281.	16.4	149
234	Study of forecasting renewable energies in smart grids using linear predictive filters and neural networks. IET Renewable Power Generation, 2011, 5, 470.	3.1	59

#	ARTICLE	IF	CITATIONS
235	Multi-objective operation management of a renewable MG (micro-grid) with back-up micro-turbine/fuel cell/battery hybrid power source. Energy, 2011, 36, 6490-6507.	8.8	479
236	Smart grid: An intelligent way to empower energy choices. , 2010, , .		1
237	An advanced strategy for wind speed forecasting using expert 2-D FIR filters. Advances in Electrical and Computer Engineering, 2010, 10, 103-110.	0.9	4
238	Intelligent Vibration Control of Structures against Earthquakes Using Hybrid Damper. , 2009, , 213-219.		0
239	Distributed Control and Management of Renewable Electric Energy Resources for Future Grid Requirements. , 0, , .		8
240	A Two-Stage ORC Integration to an Existing Fluidized Bed Sewage Sludge Incineration Plant for Power Production in the Scope of Waste-to-Energy. International Journal of Thermodynamics, 0, , 1-13.	1.0	1