Pierluigi Siano

List of Publications by Year
in descending order

628 papers	20,260 citations	13827 67 h-index	17546 121 g-index
639 all docs	639 docs citations	639 times ranked	14112 citing authors

#	ARTICLE	IF	CITATIONS
1	Reinforcing Data Integrity in Renewable Hybrid AC-DC Microgrids from Social-Economic Perspectives. ACM Transactions on Sensor Networks, 2023, 19, 1-19.	2.3	6
2	A Decentralized Market Model for a Microgrid With Carbon Emission Rights. IEEE Transactions on Smart Grid, 2023, 14, 1388-1402.	6.2	17
3	Recognition of Islanding and Operational Events in Power System With Renewable Energy Penetration Using a Stockwell Transform-Based Method. IEEE Systems Journal, 2022, 16, 166-175.	2.9	24
4	A Flexible Risk-Averse Strategy Considering Uncertainties of Demand and Multiple Wind Farms in Electrical Grids. IEEE Transactions on Industrial Informatics, 2022, 18, 2255-2263.	7.2	8
5	A Peer-to-Peer Energy Trading Framework for Wind Power Producers With Load Serving Entities in Retailing Layer. IEEE Systems Journal, 2022, 16, 649-658.	2.9	4
6	Optimal placement of fuses and switches in active distribution networks using value-based MINLP. Reliability Engineering and System Safety, 2022, 217, 108075.	5.1	15
7	Enhancing security and observability of distribution systems with optimal placement of μPMUs and firewalls. International Journal of Electrical Power and Energy Systems, 2022, 135, 107601.	3.3	5
8	Design and implementation of a smart metering infrastructure for low voltage microgrids. International Journal of Electrical Power and Energy Systems, 2022, 134, 107375.	3.3	24
9	Decentralized Stochastic Disturbance Observer-Based Optimal Frequency Control Method for Interconnected Power Systems With High Renewable Shares. IEEE Transactions on Industrial Informatics, 2022, 18, 3180-3192.	7.2	14
10	A nonlinear optimal control approach for underactuated power-line inspection robots. Robotica, 2022, 40, 1979-2009.	1.3	5
11	Offering and bidding for a wind producer paired with battery and CAES units considering battery degradation. International Journal of Electrical Power and Energy Systems, 2022, 136, 107685.	3.3	15
12	Bi-level sitting and sizing of flexi-renewable virtual power plants in the active distribution networks. International Journal of Electrical Power and Energy Systems, 2022, 137, 107800.	3.3	10
13	Evaluating the Impact of Bilateral Contracts on the Offering Strategy of a Price Maker Wind Power Producer. IEEE Transactions on Industrial Informatics, 2022, 18, 4331-4341.	7.2	8
14	Control of LPV Modeled AC-Microgrid Based on Mixed H_2/H_∞ Time-Varying Linear State Feedback and Robust Predictive Algorithm. IEEE Access, 2022, 10, 3738-3755.	2.6	7
15	A Self-Tuning Cyber-Attacks' Location Identification Approach for Critical Infrastructures. IEEE Transactions on Industrial Informatics, 2022, 18, 5018-5027.	7.2	8
16	A nonlinear optimal control approach for permanent magnet AC motors with non-sinusoidal back EMF. Electrical Engineering, 2022, 104, 2293-2318.	1.2	2
17	Short-term reliability and economic evaluation of resilient microgrids under incentive-based demand response programs. International Journal of Electrical Power and Energy Systems, 2022, 138, 107918.	3.3	20
18	A sequential hybridization of ETLBO and IPSO for solving reserve constrained combined heat, power and economic dispatch problem. IET Generation, Transmission and Distribution, 2022, 16, 1930-1949.	1.4	7

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19	Performance Improvement of Very Short-term Prediction Intervals for Regional Wind Power Based on Composite Conditional Nonlinear Quantile Regression. Journal of Modern Power Systems and Clean Energy, 2022, 10, 60-70.	3.3	7
20	A Heuristic Method to Calculate the Capacity of Residential PV-BESS in Providing Upward Flexibility Services in Energy Communities. IEEE Access, 2022, 10, 2908-2928.	2.6	3
21	Comparative Performance Assessment of Different Energy Storage Devices in Combined LFC and AVR Analysis of Multi-Area Power System. Energies, 2022, 15, 629.	1.6	34
22	Robust Mixed-Integer Programing Model for Reconfiguration of Distribution Feeders Under Uncertain and Variable Loads Considering Capacitor Banks, Voltage Regulators, and Protective Relays. IEEE Transactions on Industrial Informatics, 2022, 18, 7790-7803.	7.2	23
23	Enhancing information security of renewable smart grids by utilizing an integrated online-offline framework. International Journal of Electrical Power and Energy Systems, 2022, 138, 107954.	3.3	8
24	A Transactive Energy Framework for Inverter-Based HVAC Loads in a Real-Time Local Electricity Market Considering Distributed Energy Resources. IEEE Transactions on Industrial Informatics, 2022, 18, 8409-8421.	7.2	40
25	Selecting and prioritizing the electricity customers for participating in demand response programs. IET Generation, Transmission and Distribution, 2022, 16, 2086-2096.	1.4	3
26	Nonlinear optimal control of coupled time-delayed models of economic growth. AIP Conference Proceedings, 2022, , .	0.3	0
27	Guest Editorial: Security and Privacy for Cloud-Assisted Internet of Things (IoT) and Smart Grid. IEEE Transactions on Industrial Informatics, 2022, 18, 4966-4968.	7.2	8
28	Nonlinear optimal control of electro-hydraulic actuators. AIP Conference Proceedings, 2022, , .	0.3	0
29	Strategic Offering of a Price Maker Wind Power Producer in Distribution-Level Energy Markets in Presence of Flexible Prosumers. IEEE Access, 2022, 10, 21475-21485.	2.6	5
30	Electric Vehicle Charging Load Allocation at Residential Locations Utilizing the Energy Savings Gained by Optimal Network Reconductoring. Smart Cities, 2022, 5, 177-205.	5.5	8
31	Detection and Analysis of Partial Discharges in Oil-Immersed Power Transformers Using Low-Cost Acoustic Sensors. Applied Sciences (Switzerland), 2022, 12, 3010.	1.3	19
32	Enabling demand response for optimal deployment of multi€carrier microgrids incorporating incentives. IET Renewable Power Generation, 2022, 16, 547-564.	1.7	9
33	Trends in modern power systems resilience: State-of-the-art review. Renewable and Sustainable Energy Reviews, 2022, 162, 112397.	8.2	37
34	Distributed dynamic algorithm for energy management in smart grids. , 2022, , 319-343.		0
35	Power Quality Enhancement of the Distribution Network by Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller. IEEE Access, 2022, 10, 50578-50588.	2.6	4
36	Rearrangement Method of Reducing Fault Location Error in Tied Uncompleted Parallel Lines. IEEE Access, 2022, 10, 51862-51872.	2.6	2

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37	A conservative framework for obtaining uncertain bands of multiple wind farms in electric power networks by proposed IGDT-based approach considering decision-maker's preferences. Journal of Cleaner Production, 2022, 358, 131963.	4.6	2
38	A survey and comparison of leading-edge uncertainty handling methods for power grid modernization. Expert Systems With Applications, 2022, 204, 117590.	4.4	8
39	Analysis of Electric Vehicles with an Economic Perspective for the Future Electric Market. Future Internet, 2022, 14, 172.	2.4	10
40	Towards Blockchain-Based Energy Trading: A Smart Contract Implementation of Energy Double Auction and Spinning Reserve Trading. Energies, 2022, 15, 4084.	1.6	13
41	Harmonics Constrained Approach to Composite Power System Expansion Planning with Large-Scale Renewable Energy Sources. Energies, 2022, 15, 4070.	1.6	6
42	Energy Block-Based Peer-to-Peer Contract Trading With Secure Multi-Party Computation in Nanogrid. IEEE Transactions on Smart Grid, 2022, 13, 4759-4772.	6.2	11
43	A Novel Solution for Day-Ahead Scheduling Problems Using the IoT-Based Bald Eagle Search Optimization Algorithm. Inventions, 2022, 7, 48.	1.3	23
44	Pre-Perturbation Operational Strategy Scheduling in Microgrids by Two-Stage Adjustable Robust Optimization. IEEE Access, 2022, 10, 74655-74670.	2.6	4
45	Assessing the Scalability and Privacy of Energy Communities by Using a Large-Scale Distributed and Parallel Real-Time Optimization. IEEE Access, 2022, 10, 69771-69787.	2.6	6
46	An Enhanced IEEE 33 Bus Benchmark Test System for Distribution System Studies. IEEE Transactions on Power Systems, 2021, 36, 2565-2572.	4.6	116
47	Game Theory-Based Energy-Management Method Considering Autonomous Demand Response and Distributed Generation Interactions in Smart Distribution Systems. IEEE Systems Journal, 2021, 15, 905-914.	2.9	28
48	Short-Term Self-Scheduling of Virtual Energy Hub Plant Within Thermal Energy Market. IEEE Transactions on Industrial Electronics, 2021, 68, 3124-3136.	5.2	114
49	An Improved Adaptive Control Strategy in Grid-Tied PV System With Active Power Filter for Power Quality Enhancement. IEEE Systems Journal, 2021, 15, 2859-2870.	2.9	83
50	Peer-to-Peer Energy Trading Between Wind Power Producer and Demand Response Aggregators for Scheduling Joint Energy and Reserve. IEEE Systems Journal, 2021, 15, 705-714.	2.9	30
51	Wavelet-Alienation-Neural-Based Protection Scheme for STATCOM Compensated Transmission Line. IEEE Transactions on Industrial Informatics, 2021, 17, 2557-2565.	7.2	31
52	A Quantitative Resilience Measure Framework for Power Systems Against Wide-Area Extreme Events. IEEE Systems Journal, 2021, 15, 915-922.	2.9	13
53	A Comprehensive and Efficient Decentralized Framework for Coordinated Multiperiod Economic Dispatch of Transmission and Distribution Systems. IEEE Systems Journal, 2021, 15, 2583-2594.	2.9	25
54	A stochastic short-term scheduling of virtual power plants with electric vehicles under competitive markets. International Journal of Electrical Power and Energy Systems, 2021, 124, 106343.	3.3	21

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55	Nonlinear optimal control of electro-hydraulic actuators. IFAC Journal of Systems and Control, 2021, 15, 100130.	1.1	5
56	A Novel Modified Control Scheme in Grid-Tied Photovoltaic System for Power Quality Enhancement. IEEE Transactions on Industrial Electronics, 2021, 68, 11100-11110.	5.2	25
57	Optimal Scheduling of the Integrated Electricity and Natural Gas Systems Considering the Integrated Demand Response of Energy Hubs. IEEE Systems Journal, 2021, 15, 4545-4553.	2.9	29
58	Managing Multitype Capacity Resources for Frequency Regulation in Unit Commitment Integrated With Large Wind Ramping. IEEE Transactions on Sustainable Energy, 2021, 12, 705-714.	5.9	13
59	Nonlinear optimal control for synchronization of distributed hydropower generators. Transactions of the Institute of Measurement and Control, 2021, 43, 295-312.	1.1	0
60	Bacterial Foraging Algorithm & Demand Response Programs for a Probabilistic Transmission Expansion Planning With the Consideration of Uncertainties and Voltage Stability Index. Canadian Journal of Electrical and Computer Engineering, 2021, 44, 179-188.	1.5	4
61	Damping of Low-Frequency Oscillations in Power Systems by Large-Scale PV Farms: A Comprehensive Review of Control Methods. IEEE Access, 2021, 9, 72183-72206.	2.6	23
62	Real Time Demand Response Modeling for Residential Consumers in Smart Grid Considering Renewable Energy With Deep Learning Approach. IEEE Access, 2021, 9, 56551-56562.	2.6	17
63	An Economic Demand Management Strategy for Passive Consumers Considering Demand-Side Management Schemes and Microgrid Operation. Power Systems, 2021, , 179-204.	0.3	0
64	Power Quality Enhancement in Sensitive Local Distribution Grid Using Interval Type-II Fuzzy Logic Controlled DSTATCOM. IEEE Access, 2021, 9, 59888-59899.	2.6	24
65	Novel Switching Frequency FCS-MPC of PMSG for Grid-Connected Wind Energy Conversion System with Coordinated Low Voltage Ride Through. Electronics (Switzerland), 2021, 10, 492.	1.8	10
66	Modeling of unforced demand response programs. International Journal of Emerging Electric Power Systems, 2021, 22, 233-241.	0.6	5
67	Peer-to-Peer Bundled Energy Trading with Game Theoretic Approach. , 2021, , .		1
68	Comparative Study of Hysteresis Controller, Resonant Controller and Direct Torque Control of Five-Phase IM under Open-Phase Fault Operation. Energies, 2021, 14, 1317.	1.6	13
69	A novel resource allocation model based on the modularity concept for resiliency enhancement in electric distribution networks. International Journal of Energy Research, 2021, 45, 13471-13488.	2.2	7
70	Optimal Multi-Operation Energy Management in Smart Microgrids in the Presence of RESs Based on Multi-Objective Improved DE Algorithm: Cost-Emission Based Optimization. Applied Sciences (Switzerland), 2021, 11, 3661.	1.3	42
71	Transformers Improvement and Environment Conservation by Using Synthetic Esters in Egypt. Energies, 2021, 14, 1992.	1.6	0
72	Flatnessâ€based control for steamâ€turbine power generation units using a disturbance observer. IET Electric Power Applications, 2021, 15, 1013-1028.	1.1	4

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73	Assessing Insider Attacks and Privacy Leakage in Managed IoT Systems for Residential Prosumers. Energies, 2021, 14, 2385.	1.6	2
74	A nonlinear optimal control approach for the pulping process of paper mills. IET Collaborative Intelligent Manufacturing, 2021, 3, 161-174.	1.9	2
75	A New Method for Peer Matching and Negotiation of Prosumers in Peer-to-Peer Energy Markets. IEEE Transactions on Smart Grid, 2021, 12, 2472-2483.	6.2	54
76	Nonlinear optimal control of coupled time-delayed models of economic growth. Decisions in Economics and Finance, 2021, 44, 375-399.	1.1	3
77	A Novel Real-Time Electricity Scheduling for Home Energy Management System Using the Internet of Energy. Energies, 2021, 14, 3191.	1.6	33
78	Local Energy Trading in Future Distribution Systems. Energies, 2021, 14, 3110.	1.6	24
79	Optimal Integration of Capacitor and Distributed Generation in Distribution System Considering Load Variation Using Bat Optimization Algorithm. Energies, 2021, 14, 3548.	1.6	23
80	Fourier Singular Values-Based False Data Injection Attack Detection in AC Smart-Grids. Applied Sciences (Switzerland), 2021, 11, 5706.	1.3	16
81	A Novel Robust Smart Energy Management and Demand Reduction for Smart Homes Based on Internet of Energy. Sensors, 2021, 21, 4756.	2.1	34
82	An optimal probabilistic spinning reserve quantification scheme considering frequency dynamic response in smart power environment. International Transactions on Electrical Energy Systems, 2021, 31, e13052.	1.2	13
83	A Novel k-Means Clustering and Weighted k-NN-Regression-Based Fast Transmission Line Protection. IEEE Transactions on Industrial Informatics, 2021, 17, 6034-6043.	7.2	14
84	Game-Theoretic Demand Side Management of Thermostatically Controlled Loads for Smoothing Tie-Line Power of Microgrids. IEEE Transactions on Power Systems, 2021, 36, 4089-4101.	4.6	33
85	Optimal Planning of Electrical Appliance of Residential Units in a Smart Home Network Using Cloud Services. Smart Cities, 2021, 4, 1173-1195.	5.5	41
86	A Fusion-Based Hybrid-Feature Approach for Recognition of Unconstrained Offline Handwritten Hindi Characters. Future Internet, 2021, 13, 239.	2.4	2
87	A Survey on FOPID Controllers for LFO Damping in Power Systems Using Synchronous Generators, FACTS Devices and Inverter-Based Power Plants. Energies, 2021, 14, 5983.	1.6	12
88	VMShield: Memory Introspection-Based Malware Detection to Secure Cloud-Based Services Against Stealthy Attacks. IEEE Transactions on Industrial Informatics, 2021, 17, 6754-6764.	7.2	22
89	A multi-objective resilience-economic stochastic scheduling method for microgrid. International Journal of Electrical Power and Energy Systems, 2021, 131, 106974.	3.3	34
90	Optimal risk-constrained stochastic scheduling of microgrids with hydrogen vehicles in real-time and day-ahead markets. Journal of Cleaner Production, 2021, 318, 128452.	4.6	33

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91	Risk-involved optimal operating strategy of a hybrid power generation company: A mixed interval-CVaR model. Energy, 2021, 232, 120975.	4.5	33
92	Optimal bidding of profit-seeking virtual associations of smart prosumers considering peer to peer energy sharing strategy. International Journal of Electrical Power and Energy Systems, 2021, 132, 107175.	3.3	5
93	Mid-term operational planning of pre-installed voltage regulators in distribution networks. International Journal of Electrical Power and Energy Systems, 2021, 133, 107276.	3.3	3
94	Enhancing the Resilience of Operational Microgrids Through a Two-Stage Scheduling Strategy Considering the Impact of Uncertainties. IEEE Access, 2021, 9, 18454-18464.	2.6	17
95	SGedge: Stochastic Geometry-Based Model for Multi-Access Edge Computing in Wireless Sensor Networks. IEEE Access, 2021, 9, 111238-111248.	2.6	2
96	Intelligent Classifiers in Distinguishing Transformer Faults Using Frequency Response Analysis. IEEE Access, 2021, 9, 13981-13991.	2.6	24
97	Cyber-Attack Detection and Cyber-Security Enhancement in Smart DC-Microgrid Based on Blockchain Technology and Hilbert Huang Transform. IEEE Access, 2021, 9, 29429-29440.	2.6	67
98	An Overview of Demand Response: From its Origins to the Smart Energy Community. IEEE Access, 2021, 9, 96851-96876.	2.6	48
99	PMU-Based FOPID Controller of Large-Scale Wind-PV Farms for LFO Damping in Smart Grid. IEEE Access, 2021, 9, 94953-94969.	2.6	15
100	Special Issue on Advances and Technologies in High Voltage Power Systems Operation, Control, Protection, and Security. Applied Sciences (Switzerland), 2021, 11, 274.	1.3	2
101	A Real-Time Energy Management System Design for a Developed PV-Based Distributed Generator Considering the Grid Code Requirements in Turkey. Energies, 2021, 14, 6684.	1.6	4
102	Frequency response models and control in smart power systems with high penetration of renewable energy sources. Computers and Electrical Engineering, 2021, 96, 107477.	3.0	5
103	Inverter-based modeling and energy efficiency analysis of off-grid hybrid power system in distributed generation. Computers and Electrical Engineering, 2021, 96, 107476.	3.0	5
104	Artificial intelligence-based prediction and analysis of the oversupply of wind and solar energy in power systems. Energy Conversion and Management, 2021, 250, 114892.	4.4	35
105	Peer-to-Peer Electricity Market Based on Local Supervision. IEEE Access, 2021, 9, 156647-156662.	2.6	3
106	A nonlinear optimal control approach for voltage source inverter-fed three-phase PMSMs. , 2021, , .		1
107	A New Modulated Finite Control Set-Model Predictive Control of Quasi-Z-Source Inverter for PMSM Drives. Electronics (Switzerland), 2021, 10, 2814.	1.8	5
108	Evaluating the economic impact of users' personality on the selection of demand response programs Publisher: CSEE Cite This PDF. CSEE Journal of Power and Energy Systems, 2021, , .	1.7	3

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109	A Distributed Electric Vehicle Charging Scheduling Platform Considering Aggregators Coordination. IEEE Access, 2021, 9, 151294-151305.	2.6	6
110	Practical Insights to Design a Blockchain-Based Energy Trading Platform. IEEE Access, 2021, 9, 154827-154844.	2.6	10
111	A Detailed Analysis of the Barriers of Using Renewable Energies and Their Roles in Sustainable Development in Iran. , 2021, , 1-24.		3
112	Determination of optimal reserve contribution of thermal units to afford the wind power uncertainty. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1565-1576.	3.3	8
113	Information-Gap Decision Theory for Robust Security-Constrained Unit Commitment of Joint Renewable Energy and Gridable Vehicles. IEEE Transactions on Industrial Informatics, 2020, 16, 3064-3075.	7.2	37
114	A Novel Multiobjective OPP for Power System Small Signal Stability Assessment Considering WAMS Uncertainties. IEEE Transactions on Industrial Informatics, 2020, 16, 3039-3050.	7.2	30
115	Co-optimized bidding strategy of an integrated wind-thermal-photovoltaic system in deregulated electricity marketÂunder uncertainties. Journal of Cleaner Production, 2020, 242, 118434.	4.6	93
116	Adaptive neurofuzzy H-infinity control of DCâ€"DC voltage converters. Neural Computing and Applications, 2020, 32, 2507-2520.	3.2	12
117	Stabilization of a stockâ€loan valuation PDE process using differential flatness theory. Asian Journal of Control, 2020, 22, 2229-2241.	1.9	0
118	Capacity Allocation and Optimal Control of Inverter Air Conditioners Considering Area Control Error in Multi-Area Power Systems. IEEE Transactions on Power Systems, 2020, 35, 332-345.	4.6	36
119	Intrusion-Detector-Dependent Frequency Regulation for Microgrids Under Denial-of-Service Attacks. IEEE Systems Journal, 2020, 14, 2593-2596.	2.9	28
120	Clustering of electrical load patterns and time periods using uncertainty-based multi-level amplitude thresholding. International Journal of Electrical Power and Energy Systems, 2020, 117, 105624.	3.3	25
121	Power system observability enhancement for parallel restoration of subsystems considering renewable energy resources. International Transactions on Electrical Energy Systems, 2020, 30, e12303.	1.2	3
122	Improved Power Quality in a Solar PV Plant Integrated Utility Grid by Employing a Novel Adaptive Current Regulator. IEEE Systems Journal, 2020, 14, 4308-4319.	2.9	34
123	A Nonlinear H-infinity Control Approach for Autonomous Truck and Trailer Systems. Unmanned Systems, 2020, 08, 49-69.	2.7	14
124	A comparative study of clustering techniques for electrical load pattern segmentation. Renewable and Sustainable Energy Reviews, 2020, 120, 109628.	8.2	89
125	Assessing the Effectiveness of Weighted Information Gap Decision Theory Integrated With Energy Management Systems for Isolated Microgrids. IEEE Transactions on Industrial Informatics, 2020, 16, 5286-5299.	7.2	28
126	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

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127	Nonlinear optimal control for ship propulsion systems comprising an induction motor and a drivetrain. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2020, 234, 409-425.	0.3	0
128	Performance of Hybrid Filter in a Microgrid Integrated Power System Network Using Wavelet Techniques. Applied Sciences (Switzerland), 2020, 10, 6792.	1.3	14
129	Defect Texts Mining of Secondary Device in Smart Substation with GloVe and Attention-Based Bidirectional LSTM. Energies, 2020, 13, 4522.	1.6	14
130	Day-ahead optimal bidding and scheduling strategies for DER aggregator considering responsive uncertainty under real-time pricing. Energy, 2020, 213, 118765.	4.5	94
131	A comprehensive assessment of power system resilience to a hurricane using a two-stage analytical approach incorporating risk-based index. Sustainable Energy Technologies and Assessments, 2020, 42, 100831.	1.7	9
132	Hybridization of the Stockwell Transform and Wigner Distribution Function to Design a Transmission Line Protection Scheme. Applied Sciences (Switzerland), 2020, 10, 7985.	1.3	9
133	Analysis of artificial neural network performance based on influencing factors forÂtemperature forecasting applications. Journal of High Speed Networks, 2020, 26, 209-223.	0.6	11
134	Flatness-based adaptive fuzzy control for the Uzawa-Lucas endogenous growth model. AIP Conference Proceedings, 2020, , .	0.3	0
135	Nonlinear optimal control for the quadruple water tank system. AIP Conference Proceedings, 2020, , .	0.3	1
136	Extended Use for the Frequency Response Analysis: Switching Impulse Voltage Based Preliminary Diagnosis of Potential Sources of Partial Discharges in Transformer. Applied Sciences (Switzerland), 2020, 10, 8283.	1.3	1
137	Optimal generation scheduling of large-scale multi-zone combined heat and power systems. Energy, 2020, 210, 118497.	4.5	21
138	Neural networks and statistical decision making for fault diagnosis of PM linear synchronous machines. International Journal of Systems Science, 2020, 51, 2150-2166.	3.7	1
139	Nonlinear H-infinity control for hybrid excited synchronous generators. , 2020, , .		1
140	Design and Development of Non-Isolated Modified SEPIC DC-DC Converter Topology for High-Step-Up Applications: Investigation and Hardware Implementation. Energies, 2020, 13, 3960.	1.6	19
141	Evaluating Residential Battery Energy Storage Systems for Up and Down-Regulation. , 2020, , .		3
142	A Scalable Privacy Preserving Distributed Parallel Optimization for a Large-Scale Aggregation of Prosumers With Residential PV-Battery Systems. IEEE Access, 2020, 8, 210950-210960.	2.6	16
143	Stochastic Economic Dispatch Incorporating Commercial Electric Vehicles and Fluctuating Energy Sources. IEEE Access, 2020, 8, 216332-216348.	2.6	6
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145	Paving the Path for Two-Sided Energy Markets: An Overview of Different Approaches. IEEE Access, 2020, 8, 223708-223722.	2.6	11
146	Active Distribution Network Modeling for Enhancing Sustainable Power System Performance; a Case Study in Egypt. Sustainability, 2020, 12, 8991.	1.6	7
147	Methods for Flexible Management of Blockchain-Based Cryptocurrencies in Electricity Markets and Smart Grids. IEEE Transactions on Smart Grid, 2020, 11, 4227-4235.	6.2	33
148	A Bi-Layer Multi-Objective Techno-Economical Optimization Model for Optimal Integration of Distributed Energy Resources into Smart/Micro Grids. Energies, 2020, 13, 1706.	1.6	19
149	Primary Frequency Response Improvement in Interconnected Power Systems Using Electric Vehicle Virtual Power Plants. World Electric Vehicle Journal, 2020, 11, 40.	1.6	22
150	An Algorithm for Recognition of Fault Conditions in the Utility Grid with Renewable Energy Penetration. Energies, 2020, 13, 2383.	1.6	36
151	Measurement devices allocation in distribution system using state estimation: A multiâ€objective approach. International Transactions on Electrical Energy Systems, 2020, 30, e12469.	1.2	3
152	Assessing the Use of Reinforcement Learning for Integrated Voltage/Frequency Control in AC Microgrids. Energies, 2020, 13, 1250.	1.6	13
153	Simultaneous reactive power sharing and voltage regulation in an autonomous networked microgrid. IET Generation, Transmission and Distribution, 2020, 14, 1366-1377.	1.4	13
154	Improved Hybridization of Evolutionary Algorithms with a Sensitivity-Based Decision-Making Technique for the Optimal Planning of Shunt Capacitors in Radial Distribution Systems. Applied Sciences (Switzerland), 2020, 10, 1384.	1.3	8
155	Flexible stochastic scheduling of microgrids with islanding operation complemented by optimal offering strategies. CSEE Journal of Power and Energy Systems, 2020, , .	1.7	8
156	Analyzing Six Indices for Online Short-Term Voltage Stability Monitoring in Power Systems. Applied Sciences (Switzerland), 2020, 10, 4200.	1.3	5
157	Special Issue on Advanced Approaches, Business Models, and Novel Techniques for Management and Control of Smart Grids. Energies, 2020, 13, 2678.	1.6	0
158	Assessing the resilience of multi microgrid based widespread power systems against natural disasters using Monte Carlo Simulation. Energy, 2020, 207, 118220.	4.5	58
159	A Protection Scheme for a Power System with Solar Energy Penetration. Applied Sciences (Switzerland), 2020, 10, 1516.	1.3	33
160	Management of renewableâ€based multiâ€energy microgrids in the presence of electric vehicles. IET Renewable Power Generation, 2020, 14, 417-426.	1.7	26
161	Optimal Voltage Regulator for Inverter Interfaced Distributed Generation Units Part Ð†: Control System. IEEE Transactions on Sustainable Energy, 2020, 11, 2813-2824.	5.9	27
162	Optimal Voltage Regulator for Inverter Interfaced Distributed Generation Units Part II: Application. IEEE Transactions on Sustainable Energy, 2020, 11, 2825-2835.	5.9	19

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163	A New Method for Peer-to-Peer Energy Exchange in Distribution Grids. Energies, 2020, 13, 799.	1.6	18
164	A Two-Loop Hybrid Method for Optimal Placement and Scheduling of Switched Capacitors in Distribution Networks. IEEE Access, 2020, 8, 38892-38906.	2.6	55
165	Assessing the optimal generation technology mix determination considering demand response and EVs. International Journal of Electrical Power and Energy Systems, 2020, 119, 105871.	3.3	12
166	Multiple Home-to-Home Energy Transactions for Peak Load Shaving. IEEE Transactions on Industry Applications, 2020, 56, 1074-1085.	3.3	31
167	A Regret-Based Stochastic Bi-Level Framework for Scheduling of DR Aggregator Under Uncertainties. IEEE Transactions on Smart Grid, 2020, 11, 3171-3184.	6.2	50
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169	An Optimal Home Energy Management Paradigm With an Adaptive Neuro-Fuzzy Regulation. IEEE Access, 2020, 8, 19614-19628.	2.6	30
170	Power Quality Assessment and Event Detection in Distribution Network With Wind Energy Penetration Using Stockwell Transform and Fuzzy Clustering. IEEE Transactions on Industrial Informatics, 2020, 16, 6922-6932.	7.2	107
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