

Pierluigi Siano

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

528
papers

13,135
citations

58
h-index

100
g-index

639
ext. papers

16,813
ext. citations

5.1
avg, IF

7.65
L-index

#	Paper	IF	Citations
528	Performance Improvement of Very Short-term Prediction Intervals for Regional Wind Power Based on Composite Conditional Nonlinear Quantile Regression. <i>Journal of Modern Power Systems and Clean Energy</i> , 2022 , 10, 60-70	4	1
527	A Heuristic Method to Calculate the Capacity of Residential PV-BESS in Providing Upward Flexibility Services in Energy Communities. <i>IEEE Access</i> , 2022 , 10, 2908-2928	3.5	1
526	Comparative Performance Assessment of Different Energy Storage Devices in Combined LFC and AVR Analysis of Multi-Area Power System. <i>Energies</i> , 2022 , 15, 629	3.1	5
525	A Robust Mixed-Integer Programming Model for Reconfiguration of Distribution Feeders Under Uncertain and Variable Loads Considering Capacitor Banks, Voltage Regulators, and Protective Relays. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	0
524	Enhancing information security of renewable smart grids by utilizing an integrated online-offline framework. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 138, 107954	5.1	0
523	A Transactive Energy Framework for Inverter-based HVAC Loads in a Real-time Local Electricity Market Considering Distributed Energy Resources. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	7
522	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	5.1	3
521	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	5.1	0
520	Optimal placement of fuses and switches in active distribution networks using value-based MINLP. <i>Reliability Engineering and System Safety</i> , 2022 , 217, 108075	6.3	2
519	Enhancing security and observability of distribution systems with optimal placement of PMUs and firewalls. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 135, 107601	5.1	1
518	Design and implementation of a smart metering infrastructure for low voltage microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 134, 107375	5.1	8
517	Guest Editorial Special Section on Security & Privacy for Cloud-Assisted Internet of Things (IoT) and Smart Grid. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	1
516	Strategic Offering of a Price Maker Wind Power Producer in Distribution-Level Energy Markets in Presence of Flexible Prosumers. <i>IEEE Access</i> , 2022 , 10, 21475-21485	3.5	0
515	Electric Vehicle Charging Load Allocation at Residential Locations Utilizing the Energy Savings Gained by Optimal Network Reconductoring. <i>Smart Cities</i> , 2022 , 5, 177-205	3.3	1
514	Detection and Analysis of Partial Discharges in Oil-Immersed Power Transformers Using Low-Cost Acoustic Sensors. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3010	2.6	4
513	Enabling demand response for optimal deployment of multi-carrier microgrids incorporating incentives. <i>IET Renewable Power Generation</i> , 2022 , 16, 547-564	2.9	2
512	Trends in modern power systems resilience: State-of-the-art review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 162, 112397	16.2	2

511	Distributed dynamic algorithm for energy management in smart grids 2022 , 319-343		
510	Power Quality Enhancement of the Distribution Network by Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
509	A Decentralized Market Model for a Microgrid with Carbon Emission Rights. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	0
508	Rearrangement method of reducing fault location error in tied uncompleted parallel lines. <i>IEEE Access</i> , 2022 , 1-1	3.5	2
507	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. <i>Journal of Cleaner Production</i> , 2022 , 358, 131963	10.3	0
506	A survey and comparison of leading-edge uncertainty handling methods for power grid modernization. <i>Expert Systems With Applications</i> , 2022 , 204, 117590	7.8	1
505	Analysis of Electric Vehicles with an Economic Perspective for the Future Electric Market. <i>Future Internet</i> , 2022 , 14, 172	3.3	1
504	Towards Blockchain-Based Energy Trading: A Smart Contract Implementation of Energy Double Auction and Spinning Reserve Trading. <i>Energies</i> , 2022 , 15, 4084	3.1	1
503	Harmonics Constrained Approach to Composite Power System Expansion Planning with Large-Scale Renewable Energy Sources. <i>Energies</i> , 2022 , 15, 4070	3.1	0
502	Peer-to-Peer Electricity Market Based on Local Supervision. <i>IEEE Access</i> , 2021 , 9, 156647-156662	3.5	1
501	Bi-level sitting and sizing of flexi-renewable virtual power plants in the active distribution networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 137, 107800	5.1	1
500	A New Modulated Finite Control Set-Model Predictive Control of Quasi-Z-Source Inverter for PMSM Drives. <i>Electronics (Switzerland)</i> , 2021 , 10, 2814	2.6	1
499	Evaluating the Impact of Bilateral Contracts on the Offering Strategy of a Price Maker Wind Power Producer. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	0
498	. <i>IEEE Access</i> , 2021 , 1-1	3.5	2
497	A Self-tuning Cyber-Attacks Location Identification Approach for Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	2
496	A Distributed Electric Vehicle Charging Scheduling Platform Considering Aggregators Coordination. <i>IEEE Access</i> , 2021 , 9, 151294-151305	3.5	0
495	Practical Insights to Design a Blockchain-Based Energy Trading Platform. <i>IEEE Access</i> , 2021 , 9, 154827-154844	3.5	1
494	Special Issue on Advances and Technologies in High Voltage Power Systems Operation, Control, Protection, and Security. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 274	2.6	1

493	A Real-Time Energy Management System Design for a Developed PV-Based Distributed Generator Considering the Grid Code Requirements in Turkey. <i>Energies</i> , 2021 , 14, 6684	3.1	1
492	Frequency response models and control in smart power systems with high penetration of renewable energy sources. <i>Computers and Electrical Engineering</i> , 2021 , 96, 107477	4.3	1
491	Inverter-based modeling and energy efficiency analysis of off-grid hybrid power system in distributed generation. <i>Computers and Electrical Engineering</i> , 2021 , 96, 107476	4.3	1
490	Artificial intelligence-based prediction and analysis of the oversupply of wind and solar energy in power systems. <i>Energy Conversion and Management</i> , 2021 , 250, 114892	10.6	4
489	Optimal Multi-Operation Energy Management in Smart Microgrids in the Presence of RESs Based on Multi-Objective Improved DE Algorithm: Cost-Emission Based Optimization. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3661	2.6	22
488	Transformers Improvement and Environment Conservation by Using Synthetic Esters in Egypt. <i>Energies</i> , 2021 , 14, 1992	3.1	
487	Flatness-based control for steam-turbine power generation units using a disturbance observer. <i>IET Electric Power Applications</i> , 2021 , 15, 1013	1.8	2
486	Assessing Insider Attacks and Privacy Leakage in Managed IoT Systems for Residential Prosumers. <i>Energies</i> , 2021 , 14, 2385	3.1	0
485	A nonlinear optimal control approach for the pulping process of paper mills. <i>IET Collaborative Intelligent Manufacturing</i> , 2021 , 3, 161-174	2	1
484	A New Method for Peer Matching and Negotiation of Prosumers in Peer-to-Peer Energy Markets. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 2472-2483	10.7	13
483	Nonlinear optimal control of coupled time-delayed models of economic growth. <i>Decisions in Economics and Finance</i> , 2021 , 44, 375-399	0.7	1
482	A Novel Real-Time Electricity Scheduling for Home Energy Management System Using the Internet of Energy. <i>Energies</i> , 2021 , 14, 3191	3.1	7
481	Local Energy Trading in Future Distribution Systems. <i>Energies</i> , 2021 , 14, 3110	3.1	7
480	Optimal Integration of Capacitor and Distributed Generation in Distribution System Considering Load Variation Using Bat Optimization Algorithm. <i>Energies</i> , 2021 , 14, 3548	3.1	9
479	Fourier Singular Values-Based False Data Injection Attack Detection in AC Smart-Grids. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5706	2.6	7
478	Game Theory-Based Energy-Management Method Considering Autonomous Demand Response and Distributed Generation Interactions in Smart Distribution Systems. <i>IEEE Systems Journal</i> , 2021 , 15, 905-914	4.2	10
477	Short-Term Self-Scheduling of Virtual Energy Hub Plant Within Thermal Energy Market. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3124-3136	8.9	72
476	An Improved Adaptive Control Strategy in Grid-Tied PV System With Active Power Filter for Power Quality Enhancement. <i>IEEE Systems Journal</i> , 2021 , 15, 2859-2870	4.3	25

475	Peer-to-Peer Energy Trading Between Wind Power Producer and Demand Response Aggregators for Scheduling Joint Energy and Reserve. <i>IEEE Systems Journal</i> , 2021 , 15, 705-714	4.3	14
474	Wavelet-Alienation-Neural-Based Protection Scheme for STATCOM Compensated Transmission Line. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 2557-2565	11.9	16
473	A Quantitative Resilience Measure Framework for Power Systems Against Wide-Area Extreme Events. <i>IEEE Systems Journal</i> , 2021 , 15, 915-922	4.3	6
472	A Comprehensive and Efficient Decentralized Framework for Coordinated Multiperiod Economic Dispatch of Transmission and Distribution Systems. <i>IEEE Systems Journal</i> , 2021 , 15, 2583-2594	4.3	7
471	A stochastic short-term scheduling of virtual power plants with electric vehicles under competitive markets. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 124, 106343	5.1	10
470	Nonlinear optimal control of electro-hydraulic actuators. <i>IFAC Journal of Systems and Control</i> , 2021 , 15, 100130	0.9	1
469	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 11100-11110	8.9	5
468	Optimal Scheduling of the Integrated Electricity and Natural Gas Systems Considering the Integrated Demand Response of Energy Hubs. <i>IEEE Systems Journal</i> , 2021 , 15, 4545-4553	4.3	4
467	. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 705-714	8.2	5
466	Nonlinear optimal control for synchronization of distributed hydropower generators. <i>Transactions of the Institute of Measurement and Control</i> , 2021 , 43, 295-312	1.8	
465	Bacterial Foraging Algorithm & Demand Response Programs for a Probabilistic Transmission Expansion Planning With the Consideration of Uncertainties and Voltage Stability Index. <i>Canadian Journal of Electrical and Computer Engineering</i> , 2021 , 44, 179-188	1.4	1
464	A Flexible Risk-Averse Strategy Considering Uncertainties of Demand and Multiple Wind Farms in Electrical Grids. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	3
463	A Peer-to-Peer Energy Trading Framework for Wind Power Producers With Load Serving Entities in Retailing Layer. <i>IEEE Systems Journal</i> , 2021 , 1-10	4.3	1
462	Damping of Low-Frequency Oscillations in Power Systems by Large-Scale PV Farms: A Comprehensive Review of Control Methods. <i>IEEE Access</i> , 2021 , 9, 72183-72206	3.5	2
461	Real Time Demand Response Modeling for Residential Consumers in Smart Grid Considering Renewable Energy With Deep Learning Approach. <i>IEEE Access</i> , 2021 , 9, 56551-56562	3.5	5
460	An Economic Demand Management Strategy for Passive Consumers Considering Demand-Side Management Schemes and Microgrid Operation. <i>Power Systems</i> , 2021 , 179-204	0.4	
459	Power Quality Enhancement in Sensitive Local Distribution Grid Using Interval Type-II Fuzzy Logic Controlled DSTATCOM. <i>IEEE Access</i> , 2021 , 9, 59888-59899	3.5	11
458	Novel Switching Frequency FCS-MPC of PMSG for Grid-Connected Wind Energy Conversion System with Coordinated Low Voltage Ride Through. <i>Electronics (Switzerland)</i> , 2021 , 10, 492	2.6	3

457	Modeling of unforced demand response programs. <i>International Journal of Emerging Electric Power Systems</i> , 2021 , 22, 233-241	1.4	3
456	Comparative Study of Hysteresis Controller, Resonant Controller and Direct Torque Control of Five-Phase IM under Open-Phase Fault Operation. <i>Energies</i> , 2021 , 14, 1317	3.1	7
455	A novel resource allocation model based on the modularity concept for resiliency enhancement in electric distribution networks. <i>International Journal of Energy Research</i> , 2021 , 45, 13471-13488	4.5	3
454	A Novel Robust Smart Energy Management and Demand Reduction for Smart Homes Based on Internet of Energy. <i>Sensors</i> , 2021 , 21,	3.8	9
453	A Novel \mathcal{H}_∞ -Means Clustering and Weighted \mathcal{H}_∞ -NN-Regression-Based Fast Transmission Line Protection. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 6034-6043	11.9	4
452	Game-Theoretic Demand Side Management of Thermostatically Controlled Loads For Smoothing Tie-Line Power of Microgrids. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 4089-4101	7	9
451	Optimal Planning of Electrical Appliance of Residential Units in a Smart Home Network Using Cloud Services. <i>Smart Cities</i> , 2021 , 4, 1173-1195	3.3	13
450	A Fusion-Based Hybrid-Feature Approach for Recognition of Unconstrained Offline Handwritten Hindi Characters. <i>Future Internet</i> , 2021 , 13, 239	3.3	1
449	A Survey on FOPID Controllers for LFO Damping in Power Systems Using Synchronous Generators, FACTS Devices and Inverter-Based Power Plants. <i>Energies</i> , 2021 , 14, 5983	3.1	3
448	VMSHield: Memory Introspection-Based Malware Detection to Secure Cloud-Based Services Against Stealthy Attacks. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 6754-6764	11.9	5
447	A multi-objective resilience-economic stochastic scheduling method for microgrid. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 131, 106974	5.1	11
446	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	10.3	7
445	Risk-involved optimal operating strategy of a hybrid power generation company: A mixed interval-CVaR model. <i>Energy</i> , 2021 , 232, 120975	7.9	10
444	Optimal bidding of profit-seeking virtual associations of smart prosumers considering peer to peer energy sharing strategy. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 132, 107175	5.1	1
443	Mid-term operational planning of pre-installed voltage regulators in distribution networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 133, 107276	5.1	0
442	Enhancing the Resilience of Operational Microgrids Through a Two-Stage Scheduling Strategy Considering the Impact of Uncertainties. <i>IEEE Access</i> , 2021 , 9, 18454-18464	3.5	6
441	SGedge: Stochastic Geometry-Based Model for Multi-Access Edge Computing in Wireless Sensor Networks. <i>IEEE Access</i> , 2021 , 9, 111238-111248	3.5	1
440	Decentralised Stochastic Disturbance Observer-Based Optimal Frequency Control Method for Interconnected Power Systems with High Renewable Shares. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	7

439	Intelligent Classifiers in Distinguishing Transformer Faults Using Frequency Response Analysis. <i>IEEE Access</i> , 2021 , 9, 13981-13991	3.5	8
438	Cyber-Attack Detection and Cyber-Security Enhancement in Smart DC-Microgrid Based on Blockchain Technology and Hilbert Huang Transform. <i>IEEE Access</i> , 2021 , 9, 29429-29440	3.5	21
437	An Overview of Demand Response: From its Origins to the Smart Energy Community. <i>IEEE Access</i> , 2021 , 9, 96851-96876	3.5	6
436	. <i>IEEE Access</i> , 2021 , 9, 94953-94969	3.5	1
435	A Detailed Analysis of the Barriers of Using Renewable Energies and Their Roles in Sustainable Development in Iran 2021 , 1-24		1
434	Genetic Algorithm Application in Distribution System Reconfiguration 2021 , 479-516		
433	Reconfiguration of Radial Distribution Systems 2021 , 329-431		
432	Active Distribution Network Modeling for Enhancing Sustainable Power System Performance; a Case Study in Egypt. <i>Sustainability</i> , 2020 , 12, 8991	3.6	2
431	Methods for Flexible Management of Blockchain-Based Cryptocurrencies in Electricity Markets and Smart Grids. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 4227-4235	10.7	12
430	A Bi-Layer Multi-Objective Techno-Economical Optimization Model for Optimal Integration of Distributed Energy Resources into Smart/Micro Grids. <i>Energies</i> , 2020 , 13, 1706	3.1	7
429	Primary Frequency Response Improvement in Interconnected Power Systems Using Electric Vehicle Virtual Power Plants. <i>World Electric Vehicle Journal</i> , 2020 , 11, 40	2.5	12
428	An Algorithm for Recognition of Fault Conditions in the Utility Grid with Renewable Energy Penetration. <i>Energies</i> , 2020 , 13, 2383	3.1	25
427	Measurement devices allocation in distribution system using state estimation: A multi-objective approach. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12469	2.2	1
426	Assessing the Use of Reinforcement Learning for Integrated Voltage/Frequency Control in AC Microgrids. <i>Energies</i> , 2020 , 13, 1250	3.1	6
425	Simultaneous reactive power sharing and voltage regulation in an autonomous networked microgrid. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 1366-1377	2.5	3
424	Improved Hybridization of Evolutionary Algorithms with a Sensitivity-Based Decision-Making Technique for the Optimal Planning of Shunt Capacitors in Radial Distribution Systems. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1384	2.6	5
423	Flexible stochastic scheduling of microgrids with islanding operation complemented by optimal offering strategies. <i>CSEE Journal of Power and Energy Systems</i> , 2020 ,	2.3	5
422	Analyzing Six Indices for Online Short-Term Voltage Stability Monitoring in Power Systems. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4200	2.6	3

4 ²¹	Assessing the resilience of multi microgrid based widespread power systems against natural disasters using Monte Carlo Simulation. <i>Energy</i> , 2020 , 207, 118220	7.9	25
4 ²⁰	A Protection Scheme for a Power System with Solar Energy Penetration. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1516	2.6	21
4 ¹⁹	Management of renewable-based multi-energy microgrids in the presence of electric vehicles. <i>IET Renewable Power Generation</i> , 2020 , 14, 417-426	2.9	18
4 ¹⁸	Optimal Voltage Regulator for Inverter Interfaced Distributed Generation Units Part I: Control System. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 2813-2824	8.2	10
4 ¹⁷	Optimal Voltage Regulator for Inverter Interfaced Distributed Generation Units Part II: Application. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 2825-2835	8.2	12
4 ¹⁶	A New Method for Peer-to-Peer Energy Exchange in Distribution Grids. <i>Energies</i> , 2020 , 13, 799	3.1	12
4 ¹⁵	. <i>IEEE Access</i> , 2020 , 8, 38892-38906	3.5	33
4 ¹⁴	Assessing the optimal generation technology mix determination considering demand response and EVs. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 119, 105871	5.1	12
4 ¹³	Multiple Home-to-Home Energy Transactions for Peak Load Shaving. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 1074-1085	4.3	19
4 ¹²	A Regret-Based Stochastic Bi-Level Framework for Scheduling of DR Aggregator Under Uncertainties. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3171-3184	10.7	29
4 ¹¹	Nonlinear optimal control of autonomous submarines diving. <i>Marine Systems and Ocean Technology</i> , 2020 , 15, 57-69	1.3	1
4 ¹⁰	An Optimal Home Energy Management Paradigm With an Adaptive Neuro-Fuzzy Regulation. <i>IEEE Access</i> , 2020 , 8, 19614-19628	3.5	16
4 ⁰⁹	Power Quality Assessment and Event Detection in Distribution Network With Wind Energy Penetration Using Stockwell Transform and Fuzzy Clustering. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 6922-6932	11.9	60
4 ⁰⁸	Risk Assessment of Smart Substation Relay Protection System Based on Markov Model and Risk Transfer Network. <i>Energies</i> , 2020 , 13, 1777	3.1	3
4 ⁰⁷	Evaluating the Economic Benefits of a Smart-Community Microgrid with Centralized Electrical Storage and Photovoltaic Systems. <i>Energies</i> , 2020 , 13, 1764	3.1	5
4 ⁰⁶	Carbon-Efficient Virtual Machine Placement Based on Dynamic Voltage Frequency Scaling in Geo-Distributed Cloud Data Centers. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2701	2.6	10
4 ⁰⁵	An internet of energy framework with distributed energy resources, prosumers and small-scale virtual power plants: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 127, 109840	16.2	67
4 ⁰⁴	Investigating the impacts of feeder reforming and distributed generation on reactive power demand of distribution networks. <i>Sustainable Energy, Grids and Networks</i> , 2020 , 22, 100350	3.6	4

403	A Review of the Measures to Enhance Power Systems Resilience. <i>IEEE Systems Journal</i> , 2020 , 14, 4059-4070	4.79	52
402	Neural Networks and Statistical Decision Making for Fault Diagnosis in Energy Conversion Systems 2020 , 135-156		1
401	Differential flatness theory-based approach to the control of gas-turbine electric power generation units. <i>IET Control Theory and Applications</i> , 2020 , 14, 187-197	2.5	0
400	A robust model for generation and transmission expansion planning with emission constraints. <i>Simulation</i> , 2020 , 96, 605-621	1.2	1
399	Offering Strategy of Thermal-Photovoltaic-Storage Based Generation Company in Day-Ahead Market 2020 , 113-133		4
398	Risk-averse probabilistic framework for scheduling of virtual power plants considering demand response and uncertainties. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 121, 1061-1076	5.1	28
397	Optimal management of demand response aggregators considering customers' preferences within distribution networks. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 5571-5579	2.5	0
396	Systematic literature review of photovoltaic output power forecasting. <i>IET Renewable Power Generation</i> , 2020 , 14, 3961-3973	2.9	5
395	Clustering of electrical load patterns and time periods using uncertainty-based multi-level amplitude thresholding. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 117, 105624	5.1	16
394	Power system observability enhancement for parallel restoration of subsystems considering renewable energy resources. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12303	2.2	1
393	Improved Power Quality in a Solar PV Plant Integrated Utility Grid by Employing a Novel Adaptive Current Regulator. <i>IEEE Systems Journal</i> , 2020 , 14, 4308-4319	4.3	14
392	A Nonlinear H-infinity Control Approach for Autonomous Truck and Trailer Systems. <i>Unmanned Systems</i> , 2020 , 08, 49-69	3	7
391	A comparative study of clustering techniques for electrical load pattern segmentation. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 120, 109628	16.2	27
390	Assessing the Effectiveness of Weighted Information Gap Decision Theory Integrated With Energy Management Systems for Isolated Microgrids. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 5286-5299	11.9	14
389	Coordinated wind-thermal-energy storage offering strategy in energy and spinning reserve markets using a multi-stage model. <i>Applied Energy</i> , 2020 , 259, 114168	10.7	75
388	Nonlinear optimal control for ship propulsion systems comprising an induction motor and a drivetrain. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2020 , 234, 409-425	0.4	
387	Performance of Hybrid Filter in a Microgrid Integrated Power System Network Using Wavelet Techniques. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6792	2.6	7
386	Defect Texts Mining of Secondary Device in Smart Substation with GloVe and Attention-Based Bidirectional LSTM. <i>Energies</i> , 2020 , 13, 4522	3.1	8

385	Day-ahead optimal bidding and scheduling strategies for DER aggregator considering responsive uncertainty under real-time pricing. <i>Energy</i> , 2020 , 213, 118765	7.9	35
384	A comprehensive assessment of power system resilience to a hurricane using a two-stage analytical approach incorporating risk-based index. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 42, 100831	4.7	1
383	Hybridization of the Stockwell Transform and Wigner Distribution Function to Design a Transmission Line Protection Scheme. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7985	2.6	3
382	Analysis of artificial neural network performance based on influencing factors for temperature forecasting applications. <i>Journal of High Speed Networks</i> , 2020 , 26, 209-223	0.4	8
381	Extended Use for the Frequency Response Analysis: Switching Impulse Voltage Based Preliminary Diagnosis of Potential Sources of Partial Discharges in Transformer. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8283	2.6	1
380	Optimal generation scheduling of large-scale multi-zone combined heat and power systems. <i>Energy</i> , 2020 , 210, 118497	7.9	12
379	Neural networks and statistical decision making for fault diagnosis of PM linear synchronous machines. <i>International Journal of Systems Science</i> , 2020 , 51, 2150-2166	2.3	0
378	Nonlinear H-infinity control for hybrid excited synchronous generators 2020 ,		1
377	Design and Development of Non-Isolated Modified SEPIC DC-DC Converter Topology for High-Step-Up Applications: Investigation and Hardware Implementation. <i>Energies</i> , 2020 , 13, 3960	3.1	8
376	Recognition of Islanding and Operational Events in Power System With Renewable Energy Penetration Using a Stockwell Transform-Based Method. <i>IEEE Systems Journal</i> , 2020 , 1-10	4.3	11
375	A Scalable Privacy Preserving Distributed Parallel Optimization for a Large-Scale Aggregation of Prosumers With Residential PV-Battery Systems. <i>IEEE Access</i> , 2020 , 8, 210950-210960	3.5	8
374	Stochastic Economic Dispatch Incorporating Commercial Electric Vehicles and Fluctuating Energy Sources. <i>IEEE Access</i> , 2020 , 8, 216332-216348	3.5	3
373	Reduction of Ripple Toothed Torque in the Internal Permanent Magnet Electric Motor by Creating Optimal Combination of Holes in the Rotor Surface Considering Harmonic Effects. <i>IEEE Access</i> , 2020 , 8, 215107-215124	3.5	2
372	Paving the Path for Two-Sided Energy Markets: An Overview of Different Approaches. <i>IEEE Access</i> , 2020 , 8, 223708-223722	3.5	2
371	An Enhanced IEEE 33 Bus Benchmark Test System for Distribution System Studies. <i>IEEE Transactions on Power Systems</i> , 2020 , 1-1	7	13
370	Determination of optimal reserve contribution of thermal units to afford the wind power uncertainty. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 11, 1565-1576	3.7	5
369	Information-Gap Decision Theory for Robust Security-Constrained Unit Commitment of Joint Renewable Energy and Gridable Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3064-3075	11.9	16
368	A Novel Multiobjective OPP for Power System Small Signal Stability Assessment Considering WAMS Uncertainties. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3039-3050	11.9	15

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