

Mohammad Shahidehpour

List of Publications by Year in Descending Order

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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.

540
papers

23,026
citations

81
h-index

131
g-index

601
ext. papers

29,320
ext. citations

6.6
avg, IF

7.86
L-index

#	Paper	IF	Citations
540	Distributed Robust Model Predictive Control-Based Energy Management Strategy for Islanded Multi-Microgrids Considering Uncertainty. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	5
539	Sizing Renewable Generation and Energy Storage in Stand-Alone Microgrids Considering Distributionally Robust Shortfall Risk. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	1
538	Interval Total Transfer Capability for Mesh HVDC Systems Based on Sum of Squares and Multi-Dimensional Holomorphic Embedding Method. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	1
537	Projection method for blockchain-enabled non-iterative decentralized management in integrated natural gas-electric systems and its application in digital twin modelling. <i>Applied Energy</i> , 2022 , 311, 118645	10.7	1
536	A Sequential Black-Start Restoration Model for Resilient Active Distribution Networks. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	1
535	Identification of MOSFET Working State Based on the Stress Wave and Deep Learning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	1
534	A Novel Fault Ride-Through Topology with High Efficiency and Fast Fault Clearing Capability for MVdc PV System. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	3
533	A Peak Current Reducing Method for Input-Independent and Output-Series Modular Converters with LC-Branch Based Power Balancing Unit. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	
532	Shadow-price DRL: A Framework for Online Scheduling of Shared Autonomous EVs Fleets. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	1
531	Dispatch Insurance for ISO-Market Participating DERs in Distribution Systems. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	
530	Gaussian Mixture Model for Multivariate Wind Power Based on Kernel Density Estimation and Component Number Reduction. <i>IEEE Transactions on Sustainable Energy</i> , 2022 , 1-1	8.2	
529	A low-carbon planning method for joint regional-district multi-energy systems: From the perspective of privacy protection. <i>Applied Energy</i> , 2022 , 311, 118595	10.7	1
528	Multi-stage stochastic programming for resilient integrated electricity and natural gas distribution systems against typhoon natural disaster attacks. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 159, 111784	16.2	1
527	Bidding behaviors of GENCOs under bounded rationality with renewable energy. <i>Energy</i> , 2022 , 250, 123793	7.9	0
526	Optimal planning of local biomass-based integrated energy system considering anaerobic co-digestion. <i>Applied Energy</i> , 2022 , 316, 119075	10.7	0
525	Review of Optimization Methods for Energy Hub Planning, Operation, and Control. <i>IEEE Transactions on Sustainable Energy</i> , 2022 , 1-1	8.2	2
524	Transactive Energy Management of V2G-Capable Electric Vehicles in Residential Buildings: An MILP Approach. <i>IEEE Transactions on Sustainable Energy</i> , 2022 , 1-1	8.2	3

523	A Machine Learning-based Reliability Evaluation Model for Integrated Power-Gas Systems. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	0
522	Multi-Stage Robust Optimization of Routing and Scheduling of Mobile Energy Storage in Coupled Transportation and Power Distribution Networks. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	2
521	Application of full-text indexed knowledge graph in Chinese address matching for hazardous materials transportation 2021 ,		1
520	A Weighted Efficiency Enhancement Method for Coupled Inductor Filter Based H-Bridge Inverters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	
519	State-of-the-Art in Synchrophasor Measurement Technology Applications in Distribution Networks and Microgrids. <i>IEEE Access</i> , 2021 , 9, 153875-153892	3.5	2
518	Optimal Transactive Energy Trading of Electric Vehicle Charging Stations with On-Site PV Generation in Constrained Power Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	3
517	Evolutionary Game Based Demand Response Bidding Strategy for End-users Using Q-Learning and Compound Differential Evolution. <i>IEEE Transactions on Cloud Computing</i> , 2021 , 1-1	3.3	1
516	A Convex Three-Stage SCOPF Approach to Power System Flexibility With Unified Power Flow Controllers. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 1947-1960	7	5
515	. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	2
514	An Operation Model for Distribution Companies Using the Flexibility of Electric Vehicle Aggregators. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 1507-1518	10.7	10
513	Distribution System Resilience in Ice Storms by Optimal Routing of Mobile Devices on Congested Roads. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 1314-1328	10.7	11
512	Correlation between the synthesis of pullulan and melanin in <i>Aureobasidium pullulans</i> . <i>International Journal of Biological Macromolecules</i> , 2021 , 177, 252-260	7.9	3
511	Reconfiguration of District Heating Network for Operational Flexibility Enhancement in Power System Unit Commitment. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 1161-1173	8.2	4
510	Observer-Based Resilient Integrated Distributed Control Against Cyberattacks on Sensors and Actuators in Islanded AC Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 1953-1963	10.7	8
509	Tracking Equilibrium Point Under Real-Time Price-Based Residential Demand Response. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 2736-2740	10.7	5
508	Internet Data Center Load Modeling for Demand Response Considering the Coupling of Multiple Regulation Methods. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 2060-2076	10.7	4
507	Onboard Energy Storage System Based on Interleaved High-Conversion-Ratio Quasi-Resonant Converter With Small Characteristic Impedance. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 4238-4251	6.8	3
506	. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 2153-2164	10.7	9

505	A Leakage Current Eliminated and Power Oscillation Suppressed Single-Phase Single-Stage Nonisolated Photovoltaic Grid-Tied Inverter and Its Improved Control Strategy. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6738-6749	7.2	4
504	Resilient-enhancing critical load restoration using mobile power sources with incomplete information. <i>Sustainable Energy, Grids and Networks</i> , 2021 , 26, 100418	3.6	3
503	Robust Operational Equilibrium for Electricity and Gas Markets Considering Bilateral Energy and Reserve Contracts. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 2891-2905	7	3
502	Distributed stochastic economic dispatch via model predictive control and data-driven scenario generation. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 129, 106796	5.1	6
501	Distributed Expansion Planning of Electric Vehicle Dynamic Wireless Charging System in Coupled Power-Traffic Networks. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3326-3338	10.7	0
500	A Decentralized Market Framework for Procurement of Operating Reserves From District Energy Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 1629-1639	8.2	0
499	Reliability Analyses of Wide-Area Protection System Considering Cyber-Physical System Constraints. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3458-3467	10.7	2
498	. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 3227-3237	7	3
497	Block-Sparse Bayesian Learning Method for Fault Location in Active Distribution Networks With Limited Synchronized Measurements. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 3189-3203	7	4
496	Optimal Operation of Energy Hubs With Large-Scale Distributed Energy Resources for Distribution Network Congestion Management. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 1755-1765	8.2	23
495	Two-stage robust distribution system operation by coordinating electric vehicle aggregator charging and load curtailments. <i>Energy</i> , 2021 , 226, 120345	7.9	8
494	Adaptive Protection of Partially Coupled Transmission Lines. <i>IEEE Transactions on Power Delivery</i> , 2021 , 36, 429-440	4.3	2
493	Multistage Robust Look-Ahead Unit Commitment with Probabilistic Forecasting in Multi-Carrier Energy Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 70-82	8.2	19
492	Optimal Energy Storage Allocation for Mitigating the Unbalance in Active Distribution Network via Uncertainty Quantification. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 303-313	8.2	16
491	Transient Stability-Constrained Optimal Power Flow Calculation With Extremely Unstable Conditions Using Energy Sensitivity Method. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 355-365	7	12
490	Multi-Time Scale Coordinated Control and Scheduling of Inverter-Based TCLs With Variable Wind Generation. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 46-57	8.2	7
489	Multi-Stage Multi-Zone Defender-Attacker-Defender Model for Optimal Resilience Strategy With Distribution Line Hardening and Energy Storage System Deployment. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 1194-1205	10.7	10
488	Aggregated Model of Data Network for the Provision of Demand Response in Generation and Transmission Expansion Planning. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 512-523	10.7	9

487	Coordination of Distribution Network Reinforcement and DER Planning in Competitive Market. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 2261-2271	10.7	4
486	Convex Relaxation of Combined Heat and Power Dispatch. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 1442-1458	7	13
485	A review of machine learning applications in IoT-integrated modern power systems. <i>Electricity Journal</i> , 2021 , 34, 106879	2.6	17
484	Distribution Network-Constrained Optimization of Peer-to-Peer Transactive Energy Trading Among Multi-Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 1033-1047	10.7	35
483	Multi-View Neural Network Ensemble for Short and Mid-Term Load Forecasting. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 2992-3003	7	8
482	Two-Stage Planning of Network-Constrained Hybrid Energy Supply Stations for Electric and Natural Gas Vehicles. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 2013-2026	10.7	8
481	Second-Order Cone Programming for Data-Driven Fluid and Gas Energy Flow With a Tight Reformulation. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 1652-1655	7	3
480	A Real-Time Alternating Direction Method of Multipliers Algorithm for Nonconvex Optimal Power Flow Problem. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 70-82	4.3	1
479	Multistage Expansion Planning of Integrated Biogas and Electric Power Delivery System Considering the Regional Availability of Biomass. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 920-930	8.2	8
478	. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 141-156	10.7	8
477	Convex Optimization of Integrated Power-Gas Energy Flow Model With Applications to Probabilistic Energy Flow. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 1432-1441	7	16
476	Hierarchical Bipartite Graph Matching Method for Transactive V2V Power Exchange in Distribution Power System. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 301-311	10.7	11
475	Bidirectional Buck-Boost and Series LC Based Power Balancing Units for Photovoltaic DC Collection System. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	2
474	. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	1
473	A Tri-Level Planning Approach to Resilient Expansion and Hardening of Coupled Power Distribution and Transportation Systems. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	2
472	Non-isothermal Optimal Power and Gas Flow. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	1
471	Blockchain for Transacting Energy and Carbon Allowance in Networked Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	18
470	A Two-layer Model for Microgrid Real-time Scheduling using Approximate Future Cost Function. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	4

469	Data-Driven Classifier for Extreme Outage Prediction Based On Bayes Decision Theory. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	2
468	Hamilton-based Stability Criterion and Attraction Region Estimation for Grid-tied Inverters under Large-signal Disturbances. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	6
467	Preventive Scheduling for Reducing the Impact of Glaze Icing on Transmission Lines. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	1
466	A Multiport DC Solid-State Transformer for MVDC Integration Interface of Multiple Distributed Energy Sources and DC Loads in Distribution Network. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	4
465	Coordinated Operation of Hydrogen-Integrated Urban Transportation and Power Distribution Networks Considering Fuel Cell Electric Vehicles. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	0
464	Multi-Agent Deep Reinforcement Learning Method for EV Charging Station Game. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	4
463	A Data-Driven Warm Start Approach for Convex Relaxation in Optimal Gas Flow. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	0
462	Proliferation of Small Data Networks for Aggregated Demand Response in Electricity Markets. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	0
461	Model-Free Adaptive Control of STATCOM for SSO Mitigation in DFIG-Based Wind Farm. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	6
460	Hierarchical distributed control approach for multiple on-site DERs coordinated operation in microgrid. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 129, 106864	5.1	11
459	Distributionally Robust Resilient Operation of Integrated Energy Systems Using Moment and Wasserstein Metric for Contingencies. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 3574-3584	7	6
458	Incentive-Compatible Demand Response for Spatially Coupled Internet Data Centers in Electricity Markets. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3056-3069	10.7	5
457	Two-Stage Chance-Constrained Stochastic Thermal Unit Commitment for Optimal Provision of Virtual Inertia in Wind-Storage Systems. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 3520-3530	7	12
456	Peer to peer transactive energy for multiple energy hub with the penetration of high-level renewable energy. <i>Applied Energy</i> , 2021 , 295, 117027	10.7	20
455	Cross-Layer Distributed Control Strategy for Cyber Resilient Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3705-3717	10.7	9
454	Reactive Power Management for Networked Microgrid Resilience in Extreme Conditions. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3940-3953	10.7	3
453	Decentralized computation method for robust operation of multi-area joint regional-district integrated energy systems with uncertain wind power. <i>Applied Energy</i> , 2021 , 298, 117280	10.7	7
452	Mobile and Portable De-Icing Devices for Enhancing the Distribution System Resilience Against Ice Storms: Preventive strategies for damage control. <i>IEEE Electrification Magazine</i> , 2021 , 9, 120-129	2.6	2

451	Analysis of the Stress-Wave Influence Parameters of Silicon MOSFET Under 300V Drain Source Voltage. <i>IEEE Sensors Journal</i> , 2021 , 21, 20107-20118	4	4
450	A Convex Energy-Like Function for Reliable Gas Flow Solutions in Gas Transmission Systems. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 4876-4879	7	1
449	Optimal Stochastic Operation of Integrated Electric Power and Renewable Energy With Vehicle-Based Hydrogen Energy System. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 4310-4321	7	7
448	MILP-Based Fault Diagnosis Model in Active Power Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 3847-3857	10.7	1
447	Security-Constrained Optimal Sizing and Siting of BESS in Hybrid AC/DC Microgrid Considering Post-Contingency Corrective Rescheduling. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 2110-2122	8.2	8
446	. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 2219-2229	8.2	5
445	Two-Stage Full-Data Processing for Microgrid Planning With High Penetrations of Renewable Energy Sources. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 2042-2052	8.2	8
444	Flexible Joint Planning of Sectionalizing Switches and Tie Lines among Distribution Feeders. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	0
443	. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 1-1	8.2	4
442	Multi-Network Coordinated Hydrogen Supply Infrastructure Planning for the Integration of Hydrogen Vehicles and Renewable Energy. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	3
441	Distribution System Operation with Renewables and Energy Storage: A Linear Programming Based Multistage Robust Feasibility Approach. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	2
440	Transactive energy markets for managing energy exchanges in power distribution systems. <i>Electricity Journal</i> , 2020 , 33, 106868	2.6	9
439	Multi-Period Active Distribution Network Planning Using Multi-Stage Stochastic Programming and Nested Decomposition by SDDIP. <i>IEEE Transactions on Power Systems</i> , 2020 , 1-1	7	7
438	Enhanced Coordinated Operations of Electric Power and Transportation Networks via EV Charging Services. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3019-3030	10.7	34
437	Information Gap Decision Theory-Based Active Distribution System Planning for Resilience Enhancement. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 4390-4402	10.7	18
436	Hybrid mode-hopping modulation for LLC resonant converter achieving high efficiency and linear behaviour. <i>IET Power Electronics</i> , 2020 , 13, 1153-1162	2.2	4
435	ALADIN-Based Coordinated Operation of Power Distribution and Traffic Networks With Electric Vehicles. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 5944-5954	4.3	7
434	An Analytical Method for Generation Unit Aggregation in Virtual Power Plants. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 5466-5469	10.7	5

433	Data-driven model-free adaptive damping control with unknown control direction for wind farms. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 123, 106213	5.1	3
432	. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 4795-4808	10.7	54
431	Networked-Constrained DER Valuation in Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 4809-4817	10.7	7
430	Data-Driven Wide-Area Model-Free Adaptive Damping Control With Communication Delays for Wind Farm. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 5062-5071	10.7	12
429	A Cyber-Attack Resilient Distributed Control Strategy in Islanded Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3690-3701	10.7	44
428	Reliability Modeling and Assessment of Cyber Space in Cyber-Physical Power Systems. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3763-3773	10.7	13
427	Data mining for abnormal power consumption pattern detection based on local matrix reconstruction. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 123, 106315	5.1	6
426	A Unified Approach for Reliability Assessment of Critical Infrastructures Using Graph Theory and Entropy. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 5184-5192	10.7	1
425	Modified Phase-Shifted PWM for Cascaded Half-Bridges of Photovoltaic Application. <i>IEEE Access</i> , 2020 , 8, 41719-41732	3.5	2
424	Calculation of Stable Domain of DFIG-Based Wind Farm in Series Compensated Power Systems. <i>IEEE Access</i> , 2020 , 8, 34900-34908	3.5	1
423	Reliability Assessment of Coordinated Urban Transportation and Power Distribution Systems Considering the Impact of Charging Lots. <i>IEEE Access</i> , 2020 , 8, 30536-30547	3.5	3
422	Multitime Scale Coordinated Scheduling for the Combined System of Wind Power, Photovoltaic, Thermal Generator, Hydro Pumped Storage, and Batteries. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 2227-2237	4.3	30
421	Medium and Long-Term Electricity Trading Considering Renewable Energy Participation. <i>IEEE Access</i> , 2020 , 8, 35290-35298	3.5	1
420	. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3384-3393	10.7	12
419	. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2816-2831	10.7	3
418	Quantitative Evaluations of Uncertainties in Multivariate Operations of Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2892-2903	10.7	18
417	Performance improvement of type 4 wind turbine synchronous generator using fractional-order PI (FOPI) and PI controllers designed by the analytical approach. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12403	2.2	3
416	Optimal Electric Vehicle Charging Strategy With Markov Decision Process and Reinforcement Learning Technique. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 5811-5823	4.3	28

4 ¹⁵	Coordinated Planning of Transportation and Electric Power Networks With the Proliferation of Electric Vehicles. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 4005-4016	10.7	24
4 ¹⁴	A two-layer dynamic voltage regulation strategy for DC distribution networks with distributed energy storages. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 120, 105999	5.1	6
4 ¹³	Challenges of Modeling and Simulation of Clustered Bronzeville Community Microgrid (BCM) and IIT Campus Microgrid (ICM) Using RTDS 2020 ,		2
4 ¹²	Transforming a National Historic Landmark Into a Green Nanogrid: The Case of Crown Hall. <i>IEEE Electrification Magazine</i> , 2020 , 8, 20-35	2.6	1
4 ¹¹	Hierarchical dispatching method based on Hungarian algorithm for reducing the battery degradation cost of EVs participating in frequency regulation. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 5617-5625	2.5	2
4 ¹⁰	Distributionally Robust Unit Commitment in Coordinated Electricity and District Heating Networks. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2155-2166	7	33
4 ⁰⁹	Distributed Secondary Control for Islanded Microgrids With Mobile Emergency Resources. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1389-1399	7	27
4 ⁰⁸	Enhancement of Distribution System Reliability: A Framework Based on Cournot Game Model. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2172-2181	10.7	1
4 ⁰⁷	Extreme Bifurcation Interval With Deep PV Penetration Considering Correlated Net Bus Load Forecast Errors. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 2063-2076	8.2	2
4 ⁰⁶	Market-Based Integrated Generation Expansion Planning of Electric Power System and District Heating Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 2483-2493	8.2	7
4 ⁰⁵	Stackelberg game based transactive pricing for optimal demand response in power distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 118, 105764	5.1	24
4 ⁰⁴	Unification Scheme for Managing Master Controller Failures in Networked Microgrids. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 3004-3014	7	8
4 ⁰³	Privacy-Preserving Collaborative Operation of Networked Microgrids With the Local Utility Grid Based on Enhanced Benders Decomposition. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2638-2651	10.7	17
4 ⁰²	Singular Perturbation for the Dynamic Modeling of Integrated Energy Systems. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1718-1728	7	14
4 ⁰¹	Distributionally Robust Co-Optimization of Energy and Reserve for Combined Distribution Networks of Power and District Heating. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2388-2398	7	28
4 ⁰⁰	A Data-Driven Pattern Extraction Method for Analyzing Bidding Behaviors in Power Markets. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3509-3521	10.7	8
399	Hierarchical Scheduling of Aggregated TCL Flexibility for Transactive Energy in Power Systems. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2452-2463	10.7	22
398	Optimal Planning of Islanded Integrated Energy System With Solar-Biogas Energy Supply. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 2437-2448	8.2	18

397	Coalitional Game-Based Transactive Energy Management in Local Energy Communities. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1729-1740	7	22
396	Optimal Consensus-Based Distributed Control Strategy for Coordinated Operation of Networked Microgrids. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2452-2462	7	46
395	A Chance-Constrained Decentralized Operation of Multi-Area Integrated Electricity-Natural Gas Systems With Variable Wind and Solar Energy. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 2230-2240	8.2	15
394	Robust operation of a multicarrier energy system considering EVs and CHP units. <i>Energy</i> , 2020 , 192, 116703	7.9	33
393	Decentralized AC Optimal Power Flow for Integrated Transmission and Distribution Grids. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2531-2540	10.7	15
392	A linear power flow model for balanced distribution network with droop-controlled DSTATCOM and voltage controlled DG. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 117, 105665	5.1	8
391	A Parallel Solution for the Resilient Operation of Power Systems in Geomagnetic Storms. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 3483-3495	10.7	4
390	Wildfire Risk Mitigation: A Paradigm Shift in Power Systems Planning and Operation. <i>IEEE Open Access Journal of Power and Energy</i> , 2020 , 7, 366-375	3.8	9
389	Decentralized optimization operation for the multiple integrated energy systems with energy cascade utilization. <i>Applied Energy</i> , 2020 , 280, 115989	10.7	16
388	Optimal Consensus-Based Event-Triggered Control Strategy for Resilient DC Microgrids. <i>IEEE Transactions on Power Systems</i> , 2020 , 1-1	7	7
387	Blockchain technology applications in power distribution systems. <i>Electricity Journal</i> , 2020 , 33, 106817	2.6	10
386	Consensus-based operational framework for self-healing in multi-microgrid systems. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 3322-3331	2.5	3
385	Multi-objective design method for construction of multi-microgrid systems in active distribution networks. <i>IET Smart Grid</i> , 2020 , 3, 331-341	2.7	7
384	An Integral Fault Location Algorithm Based on a Modified T-Source Circuit Breaker for Flexible DC Distribution Networks. <i>IEEE Transactions on Power Delivery</i> , 2020 , 1-1	4.3	2
383	An Adaptive Control Method for Improving Voltage and Frequency Stability of Wind-Thermal Bundled System. <i>IEEE Access</i> , 2020 , 8, 179415-179423	3.5	
382	The Proliferation of Solar Photovoltaics: Their Impact on Widespread Deployment of Electric Vehicles. <i>IEEE Electrification Magazine</i> , 2020 , 8, 79-91	2.6	6
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