

Zhe Chen

List of Publications by Year in descending order

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521
papers

17,308
citations

20817

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22166

113
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524
all docs

524
docs citations

524
times ranked

10524
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition pathway for China to achieve carbon neutrality by 2060. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2024, 54, 43-64.	0.5	2
2	Data-based robust optimal control of discrete-time systems with uncertainties via adaptive dynamic programming. Optimal Control Applications and Methods, 2023, 44, 1290-1304.	2.1	8
3	Harmonic Injection Based Distance Protection for Line With Converter-Interfaced Sources. IEEE Transactions on Industrial Electronics, 2023, 70, 1553-1564.	7.9	4
4	Isolation Forest Based Submodule Open-Circuit Fault Localization Method for Modular Multilevel Converters. IEEE Transactions on Industrial Electronics, 2023, 70, 3090-3102.	7.9	14
5	Partial-Dimensional Correlation-Aided Convex-Hull Uncertainty Set for Robust Unit Commitment. IEEE Transactions on Power Systems, 2023, 38, 2434-2446.	6.5	4
6	A Multiagent Deep Reinforcement Learning-Enabled Dual-Branch Damping Controller for Multimode Oscillation. IEEE Transactions on Control Systems Technology, 2023, 31, 483-492.	5.2	3
7	Adaptive-Discretization Based Dynamic Optimal Energy Flow for the Heat-Electricity Integrated Energy Systems With Hybrid AC/DC Power Sources. IEEE Transactions on Automation Science and Engineering, 2023, 20, 1864-1875.	5.2	2
8	Deep Reinforcement Learning Enabled Physical-Model-Free Two-Timescale Voltage Control Method for Active Distribution Systems. IEEE Transactions on Smart Grid, 2022, 13, 149-165.	9.0	36
9	RL-ANN-Based Minimum-Current-Stress Scheme for the Dual-Active-Bridge Converter With Triple-Phase-Shift Control. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 673-689.	5.4	17
10	Fault Modeling and Analysis of Grid-Connected Inverters With Decoupled Sequence Control. IEEE Transactions on Industrial Electronics, 2022, 69, 5782-5792.	7.9	16
11	Flexibility enhancement measures under the COVID-19 pandemic – A preliminary comparative analysis in Denmark, the Netherlands, and Sichuan of China. Energy, 2022, 239, 122166.	8.8	7
12	Supplementary control based on current source coupling for improving dynamic characteristics of active distribution network. International Journal of Electrical Power and Energy Systems, 2022, 135, 107525.	5.5	1
13	Optimization of Centralized Equalization Systems Based on an Integrated Cascade Bidirectional DC-DC Converter. IEEE Transactions on Industrial Electronics, 2022, 69, 249-259.	7.9	19
14	A Contribution to the Development of High-Voltage dc Circuit Breaker Technologies: A Review of New Considerations. IEEE Industrial Electronics Magazine, 2022, 16, 42-59.	2.6	8
15	Decoupling Control of Cascaded Power Electronic Transformer Based on Feedback Exact Linearization. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3662-3676.	5.4	6
16	A Robust Circuit and Controller Parameters Identification Method of Grid-Connected Voltage-Source Converters Using Vector Fitting Algorithm. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 2748-2763.	5.4	11
17	Robust Deep Gaussian Process-Based Probabilistic Electrical Load Forecasting Against Anomalous Events. IEEE Transactions on Industrial Informatics, 2022, 18, 1142-1153.	11.3	23
18	Submodule Open-Circuit Fault Detection For Modular Multilevel Converters Under Light Load Condition With Rearranged Bleeding Resistor Circuit. IEEE Transactions on Power Electronics, 2022, 37, 4600-4613.	7.9	12

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19	Model-free voltage control of active distribution system with PVs using surrogate model-based deep reinforcement learning. <i>Applied Energy</i> , 2022, 306, 117982.	10.1	30
20	Deep Reinforcement Learning-Aided Efficiency Optimized Dual Active Bridge Converter for the Distributed Generation System. <i>IEEE Transactions on Energy Conversion</i> , 2022, 37, 1251-1262.	5.2	18
21	RNN-Assisted Feature-Extraction VMD for Load Classification in Cloud Computing Platform. <i>Journal of Circuits, Systems and Computers</i> , 2022, 31, .	1.5	2
22	Robust energy management for an on-grid hybrid hydrogen refueling and battery swapping station based on renewable energy. <i>Journal of Cleaner Production</i> , 2022, 331, 129954.	9.3	19
23	Comparative study of reformed neural network based short-term wind power forecasting models. <i>IET Renewable Power Generation</i> , 2022, 16, 885-899.	3.1	10
24	Coordinated active and reactive power control for distribution networks with high penetrations of photovoltaic systems. <i>Solar Energy</i> , 2022, 231, 809-827.	6.1	19
25	A Multiagent Deep Reinforcement Learning Based Approach for the Optimization of Transformer Life Using Coordinated Electric Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 7639-7652.	11.3	15
26	A multi-agent deep reinforcement learning approach enabled distributed energy management schedule for the coordinate control of multi-energy hub with gas, electricity, and freshwater. <i>Energy Conversion and Management</i> , 2022, 255, 115340.	9.2	33
27	Power Loss Reduction Control for Modular Multilevel Converters Based on Resistor Controllable Submodule. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 9767-9776.	7.9	3
28	Real-Time Schedule of Microgrid for Maximizing Battery Energy Storage Utilization. <i>IEEE Transactions on Sustainable Energy</i> , 2022, 13, 1356-1369.	8.8	16
29	Virtual Impedance Refined Inductor Current Observation and Current Sensorless Control for Grid-Connected Inverter. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 10239-10249.	7.9	3
30	An Improved Electromechanical Oscillation-Based Inertia Estimation Method. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 2479-2482.	6.5	8
31	Time-Sharing Frequency Coordinated Control Strategy for PMSG-Based Wind Turbine. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2022, 12, 268-278.	3.6	33
32	Minimum current stress operation of dual active half-bridge converter using triple phase shift control for renewable energy applications. <i>Energy Reports</i> , 2022, 8, 547-553.	5.1	3
33	A deep reinforcement learning-based approach for the residential appliances scheduling. <i>Energy Reports</i> , 2022, 8, 1034-1042.	5.1	7
34	An extended Kalman filter based SOC estimation method for Li-ion battery. <i>Energy Reports</i> , 2022, 8, 81-87.	5.1	30
35	Deep reinforcement learning based parameter self-tuning control strategy for VSC. <i>Energy Reports</i> , 2022, 8, 219-226.	5.1	8
36	EV Charging Strategy Considering Transformer Lifetime via Evolutionary Curriculum Learning-Based Multiagent Deep Reinforcement Learning. <i>IEEE Transactions on Smart Grid</i> , 2022, 13, 2774-2787.	9.0	13

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37	Impact analysis of COVID-19 pandemic on the future green power sector: A case study in the Netherlands. <i>Renewable Energy</i> , 2022, 191, 261-277.	8.9	4
38	A Novel Multi-task Learning Method with Attention Mechanism for Wind Turbine Blades Imbalance Fault Diagnosis. , 2022, , .		3
39	Decomposed Unit Commitment of Integrated Electricity and Natural Gas System with Dynamic Gas Flow Considered. , 2022, , .		0
40	A New Boiler-turbine-heating Coordinated Control Strategy to Improve the Operating Flexibility of CHP Units. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 1569-1581.	2.7	6
41	Empirical evidence based effectiveness assessment of policy regimes for wind power development in China. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 164, 112535.	16.4	16
42	A Novel Fault-Tolerant Control Strategy for Dual Active Bridge Converter under Open Circuit Fault. , 2022, , .		0
43	Data-Driven Estimation of Inertia for Multiarea Interconnected Power Systems Using Dynamic Mode Decomposition. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 2686-2695.	11.3	40
44	Enhanced Hierarchical Control Framework of Microgrids With Efficiency Improvement and Thermal Management. <i>IEEE Transactions on Energy Conversion</i> , 2021, 36, 11-22.	5.2	26
45	Synchronized Ambient Output-Only Based Online Inter-Area Transfer Capability Assessment Considering Small Signal Stability. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 261-270.	6.5	9
46	Efficiency-Prioritized Droop Control Strategy of AC Microgrid. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021, 9, 2936-2950.	5.4	30
47	Reinforcement Learning Based Efficiency Optimization Scheme for the DAB DC-DC Converter With Triple-Phase-Shift Modulation. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 7350-7361.	7.9	58
48	Data-driven optimal energy management for a wind-solar-diesel-battery-reverse osmosis hybrid energy system using a deep reinforcement learning approach. <i>Energy Conversion and Management</i> , 2021, 227, 113608.	9.2	73
49	Investigation of Novel DC Wind Farm Layout During Continuous Operation and Lightning Strikes. <i>IEEE Transactions on Power Delivery</i> , 2021, 36, 2221-2230.	4.3	9
50	Principle and Topology Derivation of Integrated Cascade Bidirectional Converters for Centralized Charge Equalization Systems. <i>IEEE Transactions on Power Electronics</i> , 2021, , 1-1.	7.9	7
51	Electromagnetic Oscillation Origin Location in Multiple-Inverter-Based Power Systems Using Components Impedance Frequency Responses. <i>IEEE Open Journal of the Industrial Electronics Society</i> , 2021, 2, 1-20.	6.8	8
52	Gaussian Process Kernel Transfer Enabled Method for Electric Machines Intelligent Faults Detection With Limited Samples. <i>IEEE Transactions on Energy Conversion</i> , 2021, 36, 3481-3490.	5.2	15
53	Voltage regulation methods for active distribution networks considering the reactive power optimization of substations. <i>Applied Energy</i> , 2021, 284, 116347.	10.1	36
54	Risk management strategy for a renewable power supply system in commercial buildings considering thermal comfort and stochastic electric vehicle behaviors. <i>Energy Conversion and Management</i> , 2021, 230, 113831.	9.2	27

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55	Enhanced design of an offgrid PV-battery-methanation hybrid energy system for power/gas supply. Renewable Energy, 2021, 167, 440-456.	8.9	15
56	Energy Flow Optimization of Integrated Gas and Power Systems in Continuous Time and Space. IEEE Transactions on Smart Grid, 2021, 12, 2611-2624.	9.0	20
57	Wind Farm Power Optimization and Fault Ride-Through under Inter-Turn Short-Circuit Fault. Energies, 2021, 14, 3072.	3.1	7
58	A Gray-Box Hierarchical Oscillatory Instability Source Identification Method of Multiple-Inverter-Fed Power Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3095-3113.	5.4	19
59	A Novel Deep Reinforcement Learning Enabled Multi-Band PSS for Multi-Mode Oscillation Control. IEEE Transactions on Power Systems, 2021, 36, 3794-3797.	6.5	20
60	A centralized voltage regulation method for distribution networks containing high penetrations of photovoltaic power. International Journal of Electrical Power and Energy Systems, 2021, 129, 106852.	5.5	19
61	Attention Enabled Multi-Agent DRL for Decentralized Volt-VAR Control of Active Distribution System Using PV Inverters and SVCs. IEEE Transactions on Sustainable Energy, 2021, 12, 1582-1592.	8.8	68
62	An Improved Submodule Capacitor Voltage Measuring Algorithm for MMC With Reduced Sensors. IEEE Sensors Journal, 2021, 21, 20475-20492.	4.7	4
63	Soft actor-critic based multi-objective optimized energy conversion and management strategy for integrated energy systems with renewable energy. Energy Conversion and Management, 2021, 243, 114381.	9.2	42
64	Enhancement in reliability-constrained unit commitment considering state-transition process and uncertain resources. IET Generation, Transmission and Distribution, 2021, 15, 3488-3501.	2.5	2
65	New Perspectives on Power Control of AC Microgrid Considering Operation Cost and Efficiency. IEEE Transactions on Power Systems, 2021, 36, 4844-4847.	6.5	20
66	Risk-based scheduling of an off-grid hybrid electricity/hydrogen/gas/ refueling station powered by renewable energy. Journal of Cleaner Production, 2021, 315, 128155.	9.3	32
67	Analytical analysis and performance characterization of brushless doubly fed induction machines based on general air-gap field modulation theory. Chinese Journal of Electrical Engineering, 2021, 7, 4-19.	3.4	13
68	Data-Driven Multi-Agent Deep Reinforcement Learning for Distribution System Decentralized Voltage Control With High Penetration of PVs. IEEE Transactions on Smart Grid, 2021, 12, 4137-4150.	9.0	70
69	Novel Data-Driven Approach Based on Capsule Network for Intelligent Multi-Fault Detection in Electric Motors. IEEE Transactions on Energy Conversion, 2021, 36, 2173-2184.	5.2	21
70	A Novel Renewable Microgrid-Enabled Metro Traction Power System—Concepts, Framework, and Operation Strategy. IEEE Transactions on Transportation Electrification, 2021, 7, 1733-1749.	7.8	13
71	Artificial Intelligence-Aided Minimum Reactive Power Control for the DAB Converter Based on Harmonic Analysis Method. IEEE Transactions on Power Electronics, 2021, 36, 9704-9710.	7.9	35
72	Mechanism Analysis and Real-time Control of Energy Storage Based Grid Power Oscillation Damping: A Soft Actor-Critic Approach. IEEE Transactions on Sustainable Energy, 2021, 12, 1915-1926.	8.8	15

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73	A novel deep reinforcement learning enabled sparsity promoting adaptive control method to improve the stability of power systems with wind energy penetration. Renewable Energy, 2021, 178, 363-376.	8.9	23
74	SMES Damping Controller Design and Real-Time Parameters Tuning for Low-Frequency Oscillation. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	3
75	Urban Waste Disposal Capacity and its Energy Supply Performance Optimal Model Based on Multi-Energy System Coordinated Operation. IEEE Access, 2021, 9, 32229-32238.	4.2	5
76	A Proposed ANN-Based Acceleration Control Scheme for Soft Starting Induction Motor. IEEE Access, 2021, 9, 4253-4265.	4.2	10
77	<scp>H14 Threeâ€Level</scp> Inverter for <scp>Commonâ€Mode</scp> Voltage Suppression. IEEE Transactions on Electrical and Electronic Engineering, 2021, 16, 315-323.	1.4	3
78	A novel deep reinforcement learning enabled agent for pumped storage hydroâ€windâ€solar systems voltage control. IET Renewable Power Generation, 2021, 15, 3941-3956.	3.1	6
79	A novel risk assessment method for hybrid AC/DC system based on transient energy function. CSEE Journal of Power and Energy Systems, 2021, , .	1.1	2
80	Exploring the Pathways toward a Carbon-Neutral Sichuan Power Sector in 2060. , 2021, , .		1
81	Decentralized Voltage Control of Large-Scale Distribution System with PVs Based on MADRL. , 2021, , .		0
82	Collaborative Optimal Scheduling Strategy of Regional Integrated Energy System. , 2021, , .		0
83	A Bidirectional Isolated Multiport DC-DC Converter for DC grid. , 2021, , .		3
84	Wind Power: An Important Source in Energy Systems. Wind, 2021, 1, 90-91.	1.5	4
85	A Renewable Electricity-Hydrogen-Integrated Hybrid DC Traction Power System. , 2021, , .		2
86	A Nonlinear Stability Analysis Method of Grid-Connected Inverter. , 2021, , .		0
87	Stability Analysis of Wind Power Plant with Reactive Power Compensation Device Considering Parameter Perturbation. , 2021, , .		1
88	Model Predictive Control Strategy for NPC Converter-based Wind Turbine with Switching Frequency Control. , 2021, , .		2
89	Optimal reactive power dispatch of permanent magnet synchronous generator-based wind farm considering levelised production cost minimisation. Renewable Energy, 2020, 145, 1-12.	8.9	50
90	Analysis of PM Eddy Current Loss in Rotor-PM and Stator-PM Flux-switching Machines by Air-gap Field Modulation Theory. IEEE Transactions on Industrial Electronics, 2020, 67, 1824-1835.	7.9	24

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91	Analysis of Stator Slots and Rotor Pole Pairs Combinations of Rotor-Permanent Magnet Flux-Switching Machines. IEEE Transactions on Industrial Electronics, 2020, 67, 906-918.	7.9	20
92	Capacitor ESR and Monitoring in Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2020, 35, 4063-4075.	7.9	34
93	Optimized sizing of a standalone PV-wind-hydropower station with pumped-storage installation hybrid energy system. Renewable Energy, 2020, 147, 1418-1431.	8.9	193
94	A data-driven approach for designing STATCOM additional damping controller for wind farms. International Journal of Electrical Power and Energy Systems, 2020, 117, 105620.	5.5	39
95	A Hybrid Modular DC Solid-State Transformer Combining High Efficiency and Control Flexibility. IEEE Transactions on Power Electronics, 2020, 35, 3434-3449.	7.9	32
96	Suppression of DC-Link Current Ripple for Modular Multilevel Converters Under Phase-Disposition PWM. IEEE Transactions on Power Electronics, 2020, 35, 3310-3324.	7.9	33
97	Balanced Power Device Currents Based Modulation Strategy for Full-Bridge Three-Level DC/DC Converter. IEEE Transactions on Power Electronics, 2020, 35, 2008-2022.	7.9	11
98	Fault Diagnosis and Monitoring of Modular Multilevel Converter With Fast Response of Voltage Sensors. IEEE Transactions on Industrial Electronics, 2020, 67, 5071-5080.	7.9	50
99	Power Losses Control for Modular Multilevel Converters Under Capacitor Deterioration. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 4318-4332.	5.4	37
100	Coordinated Sequential Control of Individual Generators for Large-Scale DFIG-Based Wind Farms. IEEE Transactions on Sustainable Energy, 2020, 11, 1679-1692.	8.8	9
101	Optimal power dispatch strategy of onshore wind farms considering environmental impact. International Journal of Electrical Power and Energy Systems, 2020, 116, 105548.	5.5	12
102	Bidding strategy for trading wind energy and purchasing reserve of wind power producer "A DRL based approach. International Journal of Electrical Power and Energy Systems, 2020, 117, 105648.	5.5	43
103	Real-time optimization of the integrated gas and power systems using hybrid approximate dynamic programming. International Journal of Electrical Power and Energy Systems, 2020, 118, 105776.	5.5	17
104	Optimal active and reactive power cooperative dispatch strategy of wind farm considering levelised production cost minimisation. Renewable Energy, 2020, 148, 113-123.	8.9	11
105	A Currentless Submodule Individual Voltage Balancing Control for Modular Multilevel Converters. IEEE Transactions on Industrial Electronics, 2020, 67, 9370-9382.	7.9	36
106	Active power dispatch optimization for offshore wind farms considering fatigue distribution. Renewable Energy, 2020, 151, 1173-1185.	8.9	23
107	Impedance-Decoupled Modeling Method of Multiport Transmission Network in Inverter-Fed Power Plant. IEEE Transactions on Industry Applications, 2020, 56, 611-621.	4.9	17
108	A Modified DQ Impedance Model of Three-Phase Grid-Connected Inverter-Grid System Considering Coupling between Inverter and Grid. , 2020, , .		2

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109	Coordinated Voltage Regulation Methods in Active Distribution Networks with Soft Open Points. Sustainability, 2020, 12, 9453.	3.2	12
110	Emergency wind power plant re-dispatching against transmission system cascading failures using reverse tracking of line power flow. IET Generation, Transmission and Distribution, 2020, 14, 3241-3249.	2.5	6
111	Optimal operation of a wind-electrolytic hydrogen storage system in the electricity/hydrogen markets. International Journal of Hydrogen Energy, 2020, 45, 24412-24423.	7.1	65
112	Protection Testing for Multiterminal High-Voltage dc Grid: Procedures and Procedures and Assessment. IEEE Industrial Electronics Magazine, 2020, 14, 46-64.	2.6	10
113	Probabilistic load flow computation considering dependence of wind powers and using quasi-Monte Carlo method with truncated regular vine copula. International Transactions on Electrical Energy Systems, 2020, 30, e12646.	1.9	5
114	Pyramidal approximation for power flow and optimal power flow. IET Generation, Transmission and Distribution, 2020, 14, 3774-3782.	2.5	7
115	Frequency Scanning-Based Contributions Identification of Current Control Loop and PLL on DQ Impedance Characteristics of Three-Phase Grid-Connected Inverter. , 2020, , .		2
116	Influence of Converter-based Power Sources on the Distance Relay under System Asymmetrical Faults. , 2020, , .		1
117	Cable Connection Optimization for Onshore Wind Farms Considering Restricted Area and Topography. IEEE Systems Journal, 2020, 14, 3082-3092.	4.6	6
118	Robust multi-agent system for efficient online energy management and security enforcement in a grid-connected microgrid with hybrid resources. IET Generation, Transmission and Distribution, 2020, 14, 1726-1737.	2.5	10
119	A market equilibrium model for electricity, gas and district heating operations. Energy, 2020, 206, 117934.	8.8	11
120	Deep Reinforcement Learning-Based Approach for Proportional Resonance Power System Stabilizer to Prevent Ultra-Low-Frequency Oscillations. IEEE Transactions on Smart Grid, 2020, 11, 5260-5272.	9.0	57
121	Dynamic energy conversion and management strategy for an integrated electricity and natural gas system with renewable energy: Deep reinforcement learning approach. Energy Conversion and Management, 2020, 220, 113063.	9.2	65
122	Improved probabilistic load flow method based on D-vine copulas and Latin hypercube sampling in distribution network with multiple wind generators. IET Generation, Transmission and Distribution, 2020, 14, 893-899.	2.5	25
123	Multi-Objective Robust Optimization of a Dual-Flux-Modulator Magnetic Geared Machine With Hybrid Uncertainties. IEEE Transactions on Energy Conversion, 2020, 35, 2106-2115.	5.2	7
124	A Multi-Agent Deep Reinforcement Learning Based Voltage Regulation Using Coordinated PV Inverters. IEEE Transactions on Power Systems, 2020, 35, 4120-4123.	6.5	117
125	Economic feasibility of a wind-battery system in the electricity market with the fluctuation penalty. Journal of Cleaner Production, 2020, 271, 122513.	9.3	20
126	ZVZCS Full-Bridge Three-Level DC/DC Converter With Reduced Device Count. IEEE Transactions on Power Electronics, 2020, 35, 9965-9970.	7.9	11

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127	An approach for sustainable energy planning towards 100 % electrification of Nigeria by 2030. Energy, 2020, 197, 117172.	8.8	45
128	Optimal Design of a Multibrid Permanent Magnet Generator for a Tidal Stream Turbine. Energies, 2020, 13, 487.	3.1	6
129	Effect of Reactive Power Characteristic of Offshore Wind Power Plant on Low-Frequency Stability. IEEE Transactions on Energy Conversion, 2020, 35, 837-853.	5.2	31
130	Optimal operation of flexible heating systems for reducing wind power curtailment. Electrical Engineering, 2020, 102, 869-880.	2.0	1
131	Optimal operational strategy for an offgrid hybrid hydrogen/electricity refueling station powered by solar photovoltaics. Journal of Power Sources, 2020, 451, 227810.	7.8	76
132	Optimizing the layout of onshore wind farms to minimize noise. Applied Energy, 2020, 267, 114896.	10.1	28
133	Scheduling of wind-battery hybrid system in the electricity market using distributionally robust optimization. Renewable Energy, 2020, 156, 47-56.	8.9	45
134	Coordinated control of MMC-HVDC system with offshore wind farm for providing emulated inertia support. IET Renewable Power Generation, 2020, 14, 673-683.	3.1	20
135	Designing a standalone wind-diesel-CAES hybrid energy system by using a scenario-based bi-level programming method. Energy Conversion and Management, 2020, 211, 112759.	9.2	37
136	Inertia-adaptive model predictive control-based load frequency control for interconnected power systems with wind power. IET Generation, Transmission and Distribution, 2020, 14, 5029-5036.	2.5	20
137	Active power optimisation for wind farms under generator interturn short-circuit fault. IET Renewable Power Generation, 2020, 14, 2079-2088.	3.1	6
138	Linear network model for integrated power and gas distribution systems with bidirectional energy conversion. IET Renewable Power Generation, 2020, 14, 3284-3291.	3.1	7
139	Economical operation strategy of an integrated energy system with wind power and power to gas technology – a DRL-based approach. IET Renewable Power Generation, 2020, 14, 3292-3299.	3.1	10
140	Reinforcement Learning and Its Applications in Modern Power and Energy Systems: A Review. Journal of Modern Power Systems and Clean Energy, 2020, 8, 1029-1042.	5.4	172
141	An Iterative Parameter Tuning Method for Robot Joint Motor's Sliding Mode Controller. Lecture Notes in Electrical Engineering, 2020, , 629-637.	0.4	0
142	Impacts of Inductor Nonlinear Characteristic in Multiconverter Microgrids: Modeling, Analysis, and Mitigation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3333-3347.	5.4	17
143	Coordinated demand response of power-to-gas and FlexGas technologies in integrated power and gas system to accommodate wind energy. IET Renewable Power Generation, 2020, 14, 3300-3308.	3.1	5
144	Impedance-decoupled network model-based stability analysis of offshore wind power plant under weak grid conditions. IET Power Electronics, 2020, 13, 2715-2729.	2.1	9

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145	A Novel DC Microgrid-enabled Metro Traction Power System. , 2020, , .		5
146	Deep Reinforcement Learning Based Optimization Strategy for Hydro-Governor PID Parameters to Suppress ULFO. , 2020, , .		5
147	Deep Reinforcement Learning-based Approach for Online Tuning SMES Damping Controller Parameters. , 2020, , .		2
148	DQ Impedance Reshaping of Three-Phase Power-Controlled Grid-Connected Inverter for Low-Frequency Stability Improvement Under Weak Grid Condition. , 2020, , .		7
149	A Robust Voltage Sensorless Droop Control Strategy of Microgrid Against Parameters Perturbation. , 2020, , .		1
150	Efficiency Modelling and Analysis of Multi-bus Microgrid with Transmission Network. , 2020, , .		0
151	A Comparative Study of Modulation Strategies for Diode-Clamped Full-Bridge Three-Level Isolated DC/DC Converter. , 2020, , .		0
152	Reference Submodule Based Capacitor Monitoring Strategy for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2019, 34, 4711-4721.	7.9	57
153	Special Issue on "Wind Energy Conversion Systems" Applied Sciences (Switzerland), 2019, 9, 3258.	2.5	1
154	Optimized Operation of Hybrid System Integrated With MHP, PV and PHS Considering Generation/Load Similarity. IEEE Access, 2019, 7, 107793-107804.	4.2	14
155	A review of offshore wind farm layout optimization and electrical system design methods. Journal of Modern Power Systems and Clean Energy, 2019, 7, 975-986.	5.4	78
156	An Imbalance Fault Detection Algorithm for Variable-Speed Wind Turbines: A Deep Learning Approach. Energies, 2019, 12, 2764.	3.1	37
157	Optimal Investment Strategies for Solar Energy Based Systems. Energies, 2019, 12, 2826.	3.1	6
158	Thyristor-based modular multilevel converter-HVDC systems with current interruption capability. IET Power Electronics, 2019, 12, 3056-3067.	2.1	12
159	Deep reinforcement learning-based approach for optimizing energy conversion in integrated electrical and heating system with renewable energy. Energy Conversion and Management, 2019, 202, 112199.	9.2	73
160	Monthly Electricity Consumption Forecasting Method Based on X12 and STL Decomposition Model in an Integrated Energy System. Mathematical Problems in Engineering, 2019, 2019, 1-16.	1.1	20
161	Implementation of repowering optimization for an existing photovoltaic-pumped hydro storage hybrid system: A case study in Sichuan, China. International Journal of Energy Research, 2019, 43, 8463.	4.5	9
162	Optimized Placement of Onshore Wind Farms Considering Topography. Energies, 2019, 12, 2944.	3.1	13

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163	A Hybrid Cable Connection Structure for Wind Farms With Reliability Consideration. IEEE Access, 2019, 7, 144398-144407.	4.2	4
164	Robust Droop Control of AC Microgrid Against Nonlinear Characteristic of Inductor. , 2019, , .		11
165	Cable routing optimization for offshore wind power plants via wind scenarios considering power loss cost model. Applied Energy, 2019, 254, 113719.	10.1	32
166	A Novel Model Recognition -based Current Differential Protection in Time-Domain. , 2019, , .		5
167	Optimal Micro-Siting of Wind Turbines in an Offshore Wind Farm Using Frandsenâ€“Gaussian Wake Model. IEEE Transactions on Power Systems, 2019, 34, 4944-4954.	6.5	45
168	Harmonic Quantitative Analysis for Dead-Time Effects in SPWM Inverters. IEEE Access, 2019, 7, 43143-43152.	4.2	23
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