

# Zhe Chen

## List of Publications by Year in descending order

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521  
papers

17,308  
citations

20817

60  
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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	Power Electronics as Efficient Interface in Dispersed Power Generation Systems. IEEE Transactions on Power Electronics, 2004, 19, 1184-1194.	7.9	2,047
2	A Review of the State of the Art of Power Electronics for Wind Turbines. IEEE Transactions on Power Electronics, 2009, 24, 1859-1875.	7.9	1,168
3	Multiple-Complex Coefficient-Filter-Based Phase-Locked Loop and Synchronization Technique for Three-Phase Grid-Interfaced Converters in Distributed Utility Networks. IEEE Transactions on Industrial Electronics, 2011, 58, 1194-1204.	7.9	391
4	ARIMA-Based Time Series Model of Stochastic Wind Power Generation. IEEE Transactions on Power Systems, 2010, 25, 667-676.	6.5	281
5	Enhanced Control of a DFIG-Based Wind-Power Generation System With Series Grid-Side Converter Under Unbalanced Grid Voltage Conditions. IEEE Transactions on Power Electronics, 2013, 28, 3167-3181.	7.9	273
6	A Control Method for Voltage Balancing in Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2014, 29, 66-76.	7.9	262
7	An Improved Control Strategy of Limiting the DC-Link Voltage Fluctuation for a Doubly Fed Induction Wind Generator. IEEE Transactions on Power Electronics, 2008, 23, 1205-1213.	7.9	260
8	Dynamic Optimal Energy Flow in the Integrated Natural Gas and Electrical Power Systems. IEEE Transactions on Sustainable Energy, 2018, 9, 188-198.	8.8	250
9	Steady-state analysis of the integrated natural gas and electric power system with bi-directional energy conversion. Applied Energy, 2016, 184, 1483-1492.	10.1	220
10	A Hybrid Islanding Detection Technique Using Average Rate of Voltage Change and Real Power Shift. IEEE Transactions on Power Delivery, 2009, 24, 764-771.	4.3	215
11	Fault Detection and Localization Method for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2015, 30, 2721-2732.	7.9	212
12	Optimization of Multibrid Permanent-Magnet Wind Generator Systems. IEEE Transactions on Energy Conversion, 2009, 24, 82-92.	5.2	209
13	Flicker Study on Variable Speed Wind Turbines With Doubly Fed Induction Generators. IEEE Transactions on Energy Conversion, 2005, 20, 896-905.	5.2	201
14	Harmonic Instability Assessment Using State-Space Modeling and Participation Analysis in Inverter-Fed Power Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 806-816.	7.9	193
15	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
16	Contribution of VSC-HVDC to Frequency Regulation of Power Systems With Offshore Wind Generation. IEEE Transactions on Energy Conversion, 2015, 30, 918-926.	5.2	172
17	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
18	Transient stability of DFIG wind turbines at an external short-circuit fault. Wind Energy, 2005, 8, 345-360.	4.2	144

#	ARTICLE	IF	CITATIONS
19	Optimal Operation of Plug-In Electric Vehicles in Power Systems With High Wind Power Penetrations. IEEE Transactions on Sustainable Energy, 2013, 4, 577-585.	8.8	144
20	A Review of Power Electronics Based Microgrids. Journal of Power Electronics, 2012, 12, 181-192.	1.5	135
21	A bi-level programming for multistage co-expansion planning of the integrated gas and electricity system. Applied Energy, 2017, 200, 192-203.	10.1	133
22	Optimized Placement of Wind Turbines in Large-Scale Offshore Wind Farm Using Particle Swarm Optimization Algorithm. IEEE Transactions on Sustainable Energy, 2015, 6, 1272-1282.	8.8	128
23	Optimizing investments in coupled offshore wind -electrolytic hydrogen storage systems in Denmark. Journal of Power Sources, 2017, 359, 186-197.	7.8	120
24	Fault-Tolerant Approach for Modular Multilevel Converters Under Submodule Faults. IEEE Transactions on Industrial Electronics, 2016, 63, 7253-7263.	7.9	118
25	Small-Signal Stability Analysis of Inverter-Fed Power Systems Using Component Connection Method. IEEE Transactions on Smart Grid, 2018, 9, 5301-5310.	9.0	117
26	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
27	Steady-State Analysis of Electric Springs With a Novel $\hat{v}_i$ Control. IEEE Transactions on Power Electronics, 2015, 30, 7159-7169.	7.9	110
28	Control of Improved Full-Bridge Three-Level DC/DC Converter for Wind Turbines in a DC Grid. IEEE Transactions on Power Electronics, 2013, 28, 314-324.	7.9	109
29	Underfrequency Load Shedding for an Islanded Distribution System With Distributed Generators. IEEE Transactions on Power Delivery, 2010, 25, 911-918.	4.3	107
30	Dynamic Reactive Power Compensation of Large-Scale Wind Integrated Power System. IEEE Transactions on Power Systems, 2015, 30, 2516-2526.	6.5	107
31	Stable Short-Term Frequency Support Using Adaptive Gains for a DFIG-Based Wind Power Plant. IEEE Transactions on Energy Conversion, 2016, 31, 1068-1079.	5.2	104
32	Full-Bridge LLC Resonant Converter With Series-Parallel Connected Transformers for Electric Vehicle On-Board Charger. IEEE Access, 2018, 6, 13490-13500.	4.2	102
33	Virtual Damping Flux-Based LVRT Control for DFIG-Based Wind Turbine. IEEE Transactions on Energy Conversion, 2015, 30, 714-725.	5.2	97
34	Voltage-Balancing Method for Modular Multilevel Converters Switched at Grid Frequency. IEEE Transactions on Industrial Electronics, 2015, 62, 2835-2847.	7.9	92
35	Power System Structural Vulnerability Assessment Based on an Improved Maximum Flow Approach. IEEE Transactions on Smart Grid, 2018, 9, 777-785.	9.0	91
36	Voltage-Balancing Method for Modular Multilevel Converters Under Phase-Shifted Carrier-Based Pulsewidth Modulation. IEEE Transactions on Industrial Electronics, 2015, 62, 4158-4169.	7.9	90

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37	An Estimator-Based Distributed Voltage-Predictive Control Strategy for AC Islanded Microgrids. IEEE Transactions on Power Electronics, 2015, 30, 3934-3951.	7.9	90
38	Flicker Mitigation by Active Power Control of Variable-Speed Wind Turbines With Full-Scale Back-to-Back Power Converters. IEEE Transactions on Energy Conversion, 2009, 24, 640-649.	5.2	88
39	A Reactive Power Dispatch Strategy With Loss Minimization for a DFIG-Based Wind Farm. IEEE Transactions on Sustainable Energy, 2016, 7, 914-923.	8.8	86
40	Combined optimization for offshore wind turbine micro siting. Applied Energy, 2017, 189, 271-282.	10.1	83
41	Dynamic Stability Enhancement and Power Flow Control of a Hybrid Wind and Marine-Current Farm Using SMES. IEEE Transactions on Energy Conversion, 2009, 24, 626-639.	5.2	82
42	Comparison of Flux Regulation Ability of the Hybrid Excitation Doubly Salient Machines. IEEE Transactions on Industrial Electronics, 2014, 61, 3155-3166.	7.9	81
43	Comparison of Stator-Mounted Permanent-Magnet Machines Based on a General Power Equation. IEEE Transactions on Energy Conversion, 2009, 24, 826-834.	5.2	80
44	Electric vehicles and large-scale integration of wind power “ The case of Inner Mongolia in China. Applied Energy, 2013, 104, 445-456.	10.1	78
45	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
46	Operation and Control of a DC-Grid Offshore Wind Farm Under DC Transmission System Faults. IEEE Transactions on Power Delivery, 2013, 28, 1356-1363.	4.3	77
47	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
48	Pitch angle control for variable speed wind turbines. , 2008, , .		75
49	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
50	Data-driven optimal energy management for a wind-solar-diesel-battery-reverse osmosis hybrid energy system using a deep reinforcement learning approach. Energy Conversion and Management, 2021, 227, 113608.	9.2	73
51	Design of Protective Inductors for HVDC Transmission Line Within DC Grid Offshore Wind Farms. IEEE Transactions on Power Delivery, 2013, 28, 75-83.	4.3	70
52	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
53	Design of Anti-Windup Compensator for Energy Storage-Based Damping Controller to Enhance Power System Stability. IEEE Transactions on Power Systems, 2014, 29, 1175-1185.	6.5	69
54	Synthesis of Variable Harmonic Impedance in Inverter-Interfaced Distributed Generation Unit for Harmonic Damping Throughout a Distribution Network. IEEE Transactions on Industry Applications, 2012, 48, 1407-1417.	4.9	68

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55	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
56	Stochastic Optimization of Wind Turbine Power Factor Using Stochastic Model of Wind Power. IEEE Transactions on Sustainable Energy, 2010, 1, 19-29.	8.8	65
57	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
58	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
59	Offshore wind farm repowering optimization. Applied Energy, 2017, 208, 834-844.	10.1	64
60	Flicker Mitigation by Individual Pitch Control of Variable Speed Wind Turbines With DFIG. IEEE Transactions on Energy Conversion, 2014, 29, 20-28.	5.2	63
61	Power-Flow Control and Stability Enhancement of Four Parallel-Operated Offshore Wind Farms Using a Line-Commutated HVDC Link. IEEE Transactions on Power Delivery, 2010, 25, 1190-1202.	4.3	62
62	Review on islanding operation of distribution system with distributed generation. , 2011, , .		62
63	Damping control strategies of inter-area low-frequency oscillation for DFIG-based wind farms integrated into a power system. International Journal of Electrical Power and Energy Systems, 2014, 61, 279-287.	5.5	60
64	Realistic Approach for Phasor Measurement Unit Placement: Consideration of Practical Hidden Costs. IEEE Transactions on Power Delivery, 2015, 30, 3-15.	4.3	60
65	Distributed Optimal Control of Reactive Power and Voltage in Islanded Microgrids. IEEE Transactions on Industry Applications, 2017, 53, 340-349.	4.9	58
66	Strategy for wind power plant contribution to frequency control under variable wind speed. Renewable Energy, 2019, 130, 1226-1236.	8.9	58
67	Reinforcement Learning Based Efficiency Optimization Scheme for the DAB DC-DC Converter With Triple-Phase-Shift Modulation. IEEE Transactions on Industrial Electronics, 2021, 68, 7350-7361.	7.9	58
68	Reference Submodule Based Capacitor Monitoring Strategy for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2019, 34, 4711-4721.	7.9	57
69	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
70	Direct Power Control for Three-Phase Two-Level Voltage-Source Rectifiers Based on Extended-State Observation. IEEE Transactions on Industrial Electronics, 2016, 63, 4593-4603.	7.9	56
71	Model Predictive Control of PMSG-Based Wind Turbines for Frequency Regulation in an Isolated Grid. IEEE Transactions on Industry Applications, 2018, 54, 3077-3089.	4.9	56
72	Proportional resonant individual pitch control for mitigation of wind turbines loads. IET Renewable Power Generation, 2013, 7, 191-200.	3.1	53

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73	Optimisation for offshore wind farm cable connection layout using adaptive particle swarm optimisation minimum spanning tree method. IET Renewable Power Generation, 2016, 10, 694-702.	3.1	53
74	Optimization of offshore wind farm layout in restricted zones. Energy, 2016, 113, 487-496.	8.8	53
75	A Review of Optimal Planning Active Distribution System: Models, Methods, and Future Researches. Energies, 2017, 10, 1715.	3.1	52
76	Incipient Stator Insulation Fault Detection of Permanent Magnet Synchronous Wind Generators Based on Hilbertâ€™Huang Transformation. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	51
77	Offshore Wind Farm Layout Design Considering Optimized Power Dispatch Strategy. IEEE Transactions on Sustainable Energy, 2017, 8, 638-647.	8.8	51
78	Optimal planning of energy storage system in active distribution system based on fuzzy multi-objective bi-level optimization. Journal of Modern Power Systems and Clean Energy, 2018, 6, 342-355.	5.4	50
79	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
80	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
81	Optimal control method for wind farm to support temporary primary frequency control with minimised wind energy cost. IET Renewable Power Generation, 2015, 9, 350-359.	3.1	49
82	Fault Diagnosis and System Reconfiguration Strategy of Single-phase Three Level Neutral-Point-Clamped Cascaded Inverter. IEEE Transactions on Industry Applications, 2019, , 1-1.	4.9	49
83	Optimisation of offshore wind farm cable connection layout considering levelised production cost using dynamic minimum spanning tree algorithm. IET Renewable Power Generation, 2016, 10, 175-183.	3.1	48
84	Site Selection Strategy of Single-Frequency Tuned R-APF for Background Harmonic Voltage Damping in Power Systems. IEEE Transactions on Power Electronics, 2013, 28, 135-143.	7.9	46
85	Dual-Loop Control Strategy for DFIG-Based Wind Turbines Under Grid Voltage Disturbances. IEEE Transactions on Power Electronics, 2016, 31, 2239-2253.	7.9	46
86	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
87	An approach for sustainable energy planning towards 100 % electrification of Nigeria by 2030. Energy, 2020, 197, 117172.	8.8	45
88	Scheduling of wind-battery hybrid system in the electricity market using distributionally robust optimization. Renewable Energy, 2020, 156, 47-56.	8.9	45
89	Power Electronics in Renewable Energy Systems. , 2006, , .		44
90	Optimal reactive power dispatch of a full-scale converter based wind farm considering loss minimization. Renewable Energy, 2019, 139, 292-301.	8.9	44

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91	Benefit Evaluation of Wind Turbine Generators in Wind Farms Using Capacity-Factor Analysis and Economic-Cost Methods. IEEE Transactions on Power Systems, 2009, 24, 692-704.	6.5	43
92	Detection of Partial Demagnetization Fault in PMSMs Operating Under Nonstationary Conditions. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	43
93	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
94	Adaptive decoupled power control method for inverter connected DG. IET Renewable Power Generation, 2014, 8, 171-182.	3.1	42
95	Comprehensive Coordinated Control Strategy of PMSG-Based Wind Turbine for Providing Frequency Regulation Services. IEEE Access, 2019, 7, 63944-63953.	4.2	42
96	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
97	Mitigation of power system oscillation caused by wind power fluctuation. IET Renewable Power Generation, 2013, 7, 639-651.	3.1	41
98	Optimal reactive power and voltage control in distribution networks with distributed generators by fuzzy adaptive hybrid particle swarm optimisation method. IET Generation, Transmission and Distribution, 2015, 9, 1096-1103.	2.5	41
99	Optimized Power Dispatch in Wind Farms for Power Maximizing Considering Fatigue Loads. IEEE Transactions on Sustainable Energy, 2018, 9, 862-871.	8.8	41
100	A Novel Thermal Energy Storage System in Smart Building Based on Phase Change Material. IEEE Transactions on Smart Grid, 2019, 10, 2846-2857.	9.0	40
101	Data-Driven Estimation of Inertia for Multiarea Interconnected Power Systems Using Dynamic Mode Decomposition. IEEE Transactions on Industrial Informatics, 2021, 17, 2686-2695.	11.3	40
102	Co-Ordinated Control Strategy for Hybrid Wind Farms With PMSG and FSIG Under Unbalanced Grid Voltage Condition. IEEE Transactions on Sustainable Energy, 2016, 7, 1100-1110.	8.8	39
103	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
104	Developed generalised unified power flow controller model in the Newton–Raphson power flow analysis using combined mismatches method. IET Generation, Transmission and Distribution, 2016, 10, 2177-2184.	2.5	38
105	A Novel Dual-Flux-Modulator Coaxial Magnetic Gear for High Torque Capability. IEEE Transactions on Energy Conversion, 2018, 33, 682-691.	5.2	38
106	Generation Ratio Availability Assessment of Electrical Systems for Offshore Wind Farms. IEEE Transactions on Energy Conversion, 2007, 22, 755-763.	5.2	37
107	An Imbalance Fault Detection Algorithm for Variable-Speed Wind Turbines: A Deep Learning Approach. Energies, 2019, 12, 2764.	3.1	37
108	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

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109	Designing a standalone wind-diesel-CAES hybrid energy system by using a scenario-based bi-level programming method. <i>Energy Conversion and Management</i> , 2020, 211, 112759.	9.2	37
110	Improving Fault Ride-Through Capability of Variable Speed Wind Turbines in Distribution Networks. <i>IEEE Systems Journal</i> , 2013, 7, 713-722.	4.6	36
111	Input-Parallel Output-Parallel Three-Level DC/DC Converters With Interleaving Control Strategy for Minimizing and Balancing Capacitor Ripple Currents. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2017, 5, 1122-1132.	5.4	36
112	A Currentless Submodule Individual Voltage Balancing Control for Modular Multilevel Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 9370-9382.	7.9	36
113	Deep Reinforcement Learning Enabled Physical-Model-Free Two-Timescale Voltage Control Method for Active Distribution Systems. <i>IEEE Transactions on Smart Grid</i> , 2022, 13, 149-165.	9.0	36
114	Voltage regulation methods for active distribution networks considering the reactive power optimization of substations. <i>Applied Energy</i> , 2021, 284, 116347.	10.1	36
115	Torque/Power Density Optimization of a Dual-Stator Brushless Doubly-Fed Induction Generator for Wind Power Application. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 9864-9875.	7.9	35
116	Artificial Intelligence-Aided Minimum Reactive Power Control for the DAB Converter Based on Harmonic Analysis Method. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 9704-9710.	7.9	35
117	Fuzzy adaptive particle swarm optimisation for power loss minimisation in distribution systems using optimal load response. <i>IET Generation, Transmission and Distribution</i> , 2014, 8, 1-10.	2.5	34
118	Capacitor ESR and $C$ Monitoring in Modular Multilevel Converters. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 4063-4075.	7.9	34
119	Resonance analysis in parallel voltage-controlled Distributed Generation inverters. , 2013, , .		33
120	Elimination of DC-Link Current Ripple for Modular Multilevel Converters With Capacitor Voltage-Balancing Pulse-Shifted Carrier PWM. <i>IEEE Transactions on Power Electronics</i> , 2015, 30, 284-296.	7.9	33
121	Reactive Power Dispatch Method in Wind Farms to Improve the Lifetime of Power Converter Considering Wake Effect. <i>IEEE Transactions on Sustainable Energy</i> , 2017, 8, 477-487.	8.8	33
122	Suppression of DC-Link Current Ripple for Modular Multilevel Converters Under Phase-Disposition PWM. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 3310-3324.	7.9	33
123	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
124	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
125	Optimal operation strategy of battery energy storage system to real-time electricity price in Denmark. , 2010, , .		32
126	An improved design of virtual output impedance loop for droop-controlled parallel three-phase voltage source inverters. , 2012, , .		32



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127	Adaptive voltage control strategy for variable-speed wind turbine connected to a weak network. IET Renewable Power Generation, 2016, 10, 238-249.	3.1	32
128	Protection Scheme for Modular Multilevel Converters Under Diode Open-Circuit Faults. IEEE Transactions on Power Electronics, 2018, 33, 2866-2877.	7.9	32
129	Cable routing optimization for offshore wind power plants via wind scenarios considering power loss cost model. Applied Energy, 2019, 254, 113719.	10.1	32
130	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
131	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
132	Hybrid Compensation Arrangement in Dispersed Generation Systems. IEEE Transactions on Power Delivery, 2005, 20, 1719-1727.	4.3	31
133	A Double Uneven Power Converter-Based DC-DC Converter for High-Power DC Grid Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 7599-7608.	7.9	31
134	Active Power and DC Voltage Coordinative Control for Cascaded DC-AC Converter With Bidirectional Power Application. IEEE Transactions on Power Electronics, 2015, 30, 5911-5925.	7.9	31
135	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
136	Case Study of Integrating an Offshore Wind Farm with Offshore Oil and Gas Platforms and with an Onshore Electrical Grid. Journal of Renewable Energy, 2013, 2013, 1-10.	3.6	30
137	Control strategy for permanent magnet synchronous motor with contra-rotating rotors under unbalanced loads condition. IET Electric Power Applications, 2015, 9, 71-79.	1.8	30
138	Real-time subsidy based robust scheduling of the integrated power and gas system. Applied Energy, 2019, 236, 1158-1167.	10.1	30
139	Efficiency-Prioritized Droop Control Strategy of AC Microgrid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2936-2950.	5.4	30
140	Model-free voltage control of active distribution system with PVs using surrogate model-based deep reinforcement learning. Applied Energy, 2022, 306, 117982.	10.1	30
141	An extended Kalman filter based SOC estimation method for Li-ion battery. Energy Reports, 2022, 8, 81-87.	5.1	30
142	Optimised power dispatch strategy for offshore wind farms. IET Renewable Power Generation, 2016, 10, 399-409.	3.1	29
143	Optimal Operation Strategy for Combined Heat and Power System Based on Solid Electric Thermal Storage Boiler and Thermal Inertia. IEEE Access, 2019, 7, 180761-180770.	4.2	29
144	Comprehensive Comparison of Rotor Permanent Magnet and Stator Permanent Magnet Flux-Switching Machines. IEEE Transactions on Industrial Electronics, 2019, 66, 5862-5871.	7.9	29

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145	Aggregated Modelling for Wind Farms for Power System Transient Stability Studies. , 2012, , .		28
146	Wind power in modern power systems. Journal of Modern Power Systems and Clean Energy, 2013, 1, 2-13.	5.4	28
147	Dual-Electrical-Port Control of Cascaded Doubly-Fed Induction Machine for EV/HEV Applications. IEEE Transactions on Industry Applications, 2017, 53, 1390-1398.	4.9	28
148	Lifetime-Oriented Droop Control Strategy for AC Islanded Microgrids. IEEE Transactions on Industry Applications, 2019, 55, 3252-3263.	4.9	28
149	Model Predictive Direct Power Control Based on Improved T-Type Grid-Connected Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 252-260.	5.4	28
150	Optimizing the layout of onshore wind farms to minimize noise. Applied Energy, 2020, 267, 114896.	10.1	28
151	Analysis and Design Optimization of a Coaxial Surface-Mounted Permanent-Magnet Magnetic Gear. Energies, 2014, 7, 8535-8553.	3.1	27
152	Coordinated control strategy for hybrid wind farms with DFIG-based and PMSG-based wind farms during network unbalance. Renewable Energy, 2017, 105, 748-763.	8.9	27
153	Overall Optimization for Offshore Wind Farm Electrical System. Wind Energy, 2017, 20, 1017-1032.	4.2	27
154	Analysis and evaluation of novel rotor permanent magnet flux-switching machine for EV and HEV applications. IET Electric Power Applications, 2017, 11, 1610-1618.	1.8	27
155	A new strategy based on hybrid battery-wind power system for wind power dispatching. IET Generation, Transmission and Distribution, 2018, 12, 160-169.	2.5	27
156	Risk management strategy for a renewable power supply system in commercial buildings considering thermal comfort and stochastic electric vehicle behaviors. Energy Conversion and Management, 2021, 230, 113831.	9.2	27
157	Load mitigation of unbalanced wind turbines using PI individual pitch control. IET Renewable Power Generation, 2015, 9, 262-271.	3.1	26
158	Control strategy of wind turbine based on permanent magnet synchronous generator and energy storage for stand-alone systems. Chinese Journal of Electrical Engineering, 2017, 3, 51-62.	3.4	26
159	Enhanced Hierarchical Control Framework of Microgrids With Efficiency Improvement and Thermal Management. IEEE Transactions on Energy Conversion, 2021, 36, 11-22.	5.2	26
160	A centralized control architecture for harmonic voltage suppression in islanded microgrids. , 2011, , .		25
161	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
162	Wind Turbine Power Curve Design for Optimal Power Generation in Wind Farms Considering Wake Effect. Energies, 2017, 10, 395.	3.1	24

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163	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
164	A new structure based on cascaded multilevel converter for variable speed wind turbine. , 2010, , .		23
165	Flicker mitigation strategy for a doubly fed induction generator by torque control. IET Renewable Power Generation, 2014, 8, 91-99.	3.1	23
166	Comparison of Levelized Cost of Energy of Superconducting Direct Drive Generators for a 10-MW Offshore Wind Turbine. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	23
167	Harmonic Quantitative Analysis for Dead-Time Effects in SPWM Inverters. IEEE Access, 2019, 7, 43143-43152.	4.2	23
168	Active power dispatch optimization for offshore wind farms considering fatigue distribution. Renewable Energy, 2020, 151, 1173-1185.	8.9	23
169	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
170	Robust Deep Gaussian Process-Based Probabilistic Electrical Load Forecasting Against Anomalous Events. IEEE Transactions on Industrial Informatics, 2022, 18, 1142-1153.	11.3	23
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