Zhe Chen

List of Publications by Year
in descending order

		23879	25230
521 papers	17,308 citations	60 h-index	113 g-index
524 all docs	524 docs citations	524 times ranked	11718 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.	0.3	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.	1.3	8
3	Harmonic Injection Based Distance Protection for Line With Converter-Interfaced Sources. IEEE Transactions on Industrial Electronics, 2023, 70, 1553-1564.	5.2	4
4	Isolation Forest Based Submodule Open-Circuit Fault Localization Method for Modular Multilevel Converters. IEEE Transactions on Industrial Electronics, 2023, 70, 3090-3102.	5.2	14
5	Partial-Dimensional Correlation-Aided Convex-Hull Uncertainty Set for Robust Unit Commitment. IEEE Transactions on Power Systems, 2023, 38, 2434-2446.	4.6	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.	3.2	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.	3.4	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.	6.2	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.	3.7	17
10	Fault Modeling and Analysis of Grid-Connected Inverters With Decoupled Sequence Control. IEEE Transactions on Industrial Electronics, 2022, 69, 5782-5792.	5.2	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.	4.5	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.	3.3	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.	5.2	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.	2.3	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.	3.7	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.	3.7	11
17	Robust Deep Gaussian Process-Based Probabilistic Electrical Load Forecasting Against Anomalous Events. IEEE Transactions on Industrial Informatics, 2022, 18, 1142-1153.	7.2	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.	5.4	12

#	ARTICLE	IF	CITATIONS
19	Model-free voltage control of active distribution system with PVs using surrogate model-based deep reinforcement learning. Applied Energy, 2022, 306, 117982.	5.1	30
20	Deep Reinforcement Learning-Aided Efficiency Optimized Dual Active Bridge Converter for the Distributed Generation System. IEEE Transactions on Energy Conversion, 2022, 37, 1251-1262.	3.7	18
21	RNN-Assisted Feature-Extraction VMD for Load Classification in Cloud Computing Platform. Journal of Circuits, Systems and Computers, 2022, 31, .	1.0	2
22	Robust energy management for an on-grid hybrid hydrogen refueling and battery swapping station based on renewable energy. Journal of Cleaner Production, 2022, 331, 129954.	4.6	19
23	Comparative study of reformed neural network based short‐term wind power forecasting models. IET Renewable Power Generation, 2022, 16, 885-899.	1.7	10
24	Coordinated active and reactive power control for distribution networks with high penetrations of photovoltaic systems. Solar Energy, 2022, 231, 809-827.	2.9	19
25	A Multiagent Deep Reinforcement Learning Based Approach for the Optimization of Transformer Life Using Coordinated Electric Vehicles. IEEE Transactions on Industrial Informatics, 2022, 18, 7639-7652.	7.2	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. Energy Conversion and Management, 2022, 255, 115340.	4.4	33
27	Power Loss Reduction Control for Modular Multilevel Converters Based on Resistor Controllable Submodule. IEEE Transactions on Power Electronics, 2022, 37, 9767-9776.	5.4	3
28	Real-Time Schedule of Microgrid for Maximizing Battery Energy Storage Utilization. IEEE Transactions on Sustainable Energy, 2022, 13, 1356-1369.	5.9	16
29	Virtual Impedance Refined Inductor Current Observation and Current Sensorless Control for Grid-Connected Inverter. IEEE Transactions on Power Electronics, 2022, 37, 10239-10249.	5.4	3
30	An Improved Electromechanical Oscillation-Based Inertia Estimation Method. IEEE Transactions on Power Systems, 2022, 37, 2479-2482.	4.6	8
31	Time-Sharing Frequency Coordinated Control Strategy for PMSG-Based Wind Turbine. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 268-278.	2.7	33
32	Minimum current stress operation of dual active half-bridge converter using triple phase shift control for renewable energy applications. Energy Reports, 2022, 8, 547-553.	2.5	3
33	A deep reinforcement learning-based approach for the residential appliances scheduling. Energy Reports, 2022, 8, 1034-1042.	2.5	7
34	An extended Kalman filter based SOC estimation method for Li-ion battery. Energy Reports, 2022, 8, 81-87.	2.5	30
35	Deep reinforcement learning based parameter self-tuning control strategy for VSG. Energy Reports, 2022, 8, 219-226.	2.5	8
36	EV Charging Strategy Considering Transformer Lifetime via Evolutionary Curriculum Learning-Based Multiagent Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2022, 13, 2774-2787.	6.2	13

#	ARTICLE	IF	CITATIONS
37	Impact analysis of COVID-19 pandemic on the future green power sector: A case study in the Netherlands. Renewable Energy, 2022, 191, 261-277.	4.3	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. International Journal of Control, Automation and Systems, 2022, 20, 1569-1581.	1.6	6
41	Empirical evidence based effectiveness assessment of policy regimes for wind power development in China. Renewable and Sustainable Energy Reviews, 2022, 164, 112535.	8.2	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. IEEE Transactions on Industrial Informatics, 2021, 17, 2686-2695.	7.2	40
44	Enhanced Hierarchical Control Framework of Microgrids With Efficiency Improvement andÂThermal Management. IEEE Transactions on Energy Conversion, 2021, 36, 11-22.	3.7	26
45	Synchronized Ambient Output-Only Based Online Inter-Area Transfer Capability Assessment Considering Small Signal Stability. IEEE Transactions on Power Systems, 2021, 36, 261-270.	4.6	9
46	Efficiency-Prioritized Droop Control Strategy of AC Microgrid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2936-2950.	3.7	30
47	Reinforcement Learning Based Efficiency Optimization Scheme for the DAB DCâ€"DC Converter With Triple-Phase-Shift Modulation. IEEE Transactions on Industrial Electronics, 2021, 68, 7350-7361.	5.2	58
48	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.	4.4	73
49	Investigation of Novel DC Wind Farm Layout During Continuous Operation and Lightning Strikes. IEEE Transactions on Power Delivery, 2021, 36, 2221-2230.	2.9	9
50	Principle and Topology Derivation of Integrated Cascade Bidirectional Converters for Centralized Charge Equalization Systems. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	7
51	Electromagnetic Oscillation Origin Location in Multiple-Inverter-Based Power Systems Using Components Impedance Frequency Responses. IEEE Open Journal of the Industrial Electronics Society, 2021, 2, 1-20.	4.8	8
52	Gaussian Process Kernel Transfer Enabled Method for Electric Machines Intelligent Faults Detection With Limited Samples. IEEE Transactions on Energy Conversion, 2021, 36, 3481-3490.	3.7	15
53	Voltage regulation methods for active distribution networks considering the reactive power optimization of substations. Applied Energy, 2021, 284, 116347.	5.1	36
54	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.	4.4	27

#	Article	IF	Citations
55	Enhanced design of an offgrid PV-battery-methanation hybrid energy system for power/gas supply. Renewable Energy, 2021, 167, 440-456.	4.3	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.	6.2	20
57	Wind Farm Power Optimization and Fault Ride-Through under Inter-Turn Short-Circuit Fault. Energies, 2021, 14, 3072.	1.6	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.	3.7	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.	4.6	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.	3.3	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.	5.9	68
62	An Improved Submodule Capacitor Voltage Measuring Algorithm for MMC With Reduced Sensors. IEEE Sensors Journal, 2021, 21, 20475-20492.	2.4	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.	4.4	42
64	Enhancement in reliability€constrained unit commitment considering state€transition€process and uncertain resources. IET Generation, Transmission and Distribution, 2021, 15, 3488-3501.	1.4	2
65	New Perspectives on Power Control of AC Microgrid Considering Operation Cost and Efficiency. IEEE Transactions on Power Systems, 2021, 36, 4844-4847.	4.6	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.	4.6	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.	2.3	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.	6.2	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.	3.7	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.	5.3	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.	5.4	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.	5.9	15

#	Article	IF	Citations
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.	4.3	23
74	SMES Damping Controller Design and Real-Time Parameters Tuning for Low-Frequency Oscillation. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	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.	2.6	5
76	A Proposed ANN-Based Acceleration Control Scheme for Soft Starting Induction Motor. IEEE Access, 2021, 9, 4253-4265.	2.6	10
77	<scp>H14 Three€Level</scp> Inverter for <scp>Common€Mode</scp> Voltage Suppression. IEEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 315-323.	0.8	3
78	A novel deep reinforcement learning enabled agent for pumped storage hydro€wind€solar systems voltage control. IET Renewable Power Generation, 2021, 15, 3941-3956.	1.7	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, , .	1.7	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.	0.6	4
85	A Renwable 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.	4.3	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.	5.2	24

#	ARTICLE	IF	CITATIONS
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.	5.2	20
92	Capacitor ESR and C Monitoring in Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2020, 35, 4063-4075.	5.4	34
93	Optimized sizing of a standalone PV-wind-hydropower station with pumped-storage installation hybrid energy system. Renewable Energy, 2020, 147, 1418-1431.	4.3	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.	3.3	39
95	A Hybrid Modular DC Solid-State Transformer Combining High Efficiency and Control Flexibility. IEEE Transactions on Power Electronics, 2020, 35, 3434-3449.	5.4	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.	5.4	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.	5.4	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.	5.2	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.	3.7	37
100	Coordinated Sequential Control of Individual Generators for Large-Scale DFIG-Based Wind Farms. IEEE Transactions on Sustainable Energy, 2020, 11, 1679-1692.	5.9	9
101	Optimal power dispatch strategy of onshore wind farms considering environmental impact. International Journal of Electrical Power and Energy Systems, 2020, 116, 105548.	3.3	12
102	Bidding strategy for trading wind energy and purchasing reserve of wind power producer â€" A DRL based approach. International Journal of Electrical Power and Energy Systems, 2020, 117, 105648.	3.3	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.	3.3	17
104	Optimal active and reactive power cooperative dispatch strategy of wind farm considering levelised production cost minimisation. Renewable Energy, 2020, 148, 113-123.	4.3	11
105	A Currentless Submodule Individual Voltage Balancing Control for Modular Multilevel Converters. IEEE Transactions on Industrial Electronics, 2020, 67, 9370-9382.	5.2	36
106	Active power dispatch optimization for offshore wind farms considering fatigue distribution. Renewable Energy, 2020, 151, 1173-1185.	4.3	23
107	Impedance-Decoupled Modeling Method of Multiport Transmission Network in Inverter-Fed Power Plant. IEEE Transactions on Industry Applications, 2020, 56, 611-621.	3.3	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.	1.6	12
110	Emergency wind power plant reâ€dispatching against transmission system cascading failures using reverse tracking of line power flow. IET Generation, Transmission and Distribution, 2020, 14, 3241-3249.	1.4	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.	3.8	65
112	Protection Testing for Multiterminal High-Voltage dc Grid: Procedures and Procedures and Assessment. IEEE Industrial Electronics Magazine, 2020, 14, 46-64.	2.3	10
113	Probabilistic load flow computation considering dependence of wind powers and using <scp>quasiâ€Monte</scp> Carlo method <scp>with truncated</scp> regular vine copula. International Transactions on Electrical Energy Systems, 2020, 30, e12646.	1.2	5
114	Pyramidal approximation for power flow and optimal power flow. IET Generation, Transmission and Distribution, 2020, 14, 3774-3782.	1.4	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.	2.9	6
118	Robust multiâ€agent system for efficient online energy management and security enforcement in a gridâ€connected microgrid with hybrid resources. IET Generation, Transmission and Distribution, 2020, 14, 1726-1737.	1.4	10
119	A market equilibrium model for electricity, gas and district heating operations. Energy, 2020, 206, 117934.	4.5	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.	6.2	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.	4.4	65
122	Improved probabilistic load flow method based on Dâ€vine copulas and Latin hypercube sampling in distribution network with multiple wind generators. IET Generation, Transmission and Distribution, 2020, 14, 893-899.	1.4	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.	3.7	7
124	A Multi-Agent Deep Reinforcement Learning Based Voltage Regulation Using Coordinated PV Inverters. IEEE Transactions on Power Systems, 2020, 35, 4120-4123.	4.6	117
125	Economic feasibility of a wind-battery system in the electricity market with the fluctuation penalty. Journal of Cleaner Production, 2020, 271, 122513.	4.6	20
126	ZVZCS Full-Bridge Three-Level DC/DC Converter With Reduced Device Count. IEEE Transactions on Power Electronics, 2020, 35, 9965-9970.	5.4	11

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127	An approach for sustainable energy planning towards 100 % electrification of Nigeria by 2030. Energy, 2020, 197, 117172.	4.5	45
128	Optimal Design of a Multibrid Permanent Magnet Generator for a Tidal Stream Turbine. Energies, 2020, 13, 487.	1.6	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.	3.7	31
130	Optimal operation of flexible heating systems for reducing wind power curtailment. Electrical Engineering, 2020, 102, 869-880.	1.2	1
131	Optimal operational strategy for an offgrid hybrid hydrogen/electricity refueling station powered by solar photovoltaics. Journal of Power Sources, 2020, 451, 227810.	4.0	76
132	Optimizing the layout of onshore wind farms to minimize noise. Applied Energy, 2020, 267, 114896.	5.1	28
133	Scheduling of wind-battery hybrid system in the electricity market using distributionally robust optimization. Renewable Energy, 2020, 156, 47-56.	4.3	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.	1.7	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.	4.4	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.	1.4	20
137	Active power optimisation for wind farms under generator inter–turn short–circuit fault. IET Renewable Power Generation, 2020, 14, 2079-2088.	1.7	6
138	Linear network model for integrated power and gas distribution systems with bidirectional energy conversion. IET Renewable Power Generation, 2020, 14, 3284-3291.	1.7	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.	1.7	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.	3.3	172
141	An Iterative Parameter Tuning Method for Robot Joint Motor's Sliding Mode Controller. Lecture Notes in Electrical Engineering, 2020, , 629-637.	0.3	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.	3.7	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.	1.7	5
144	DQ impedance–decoupled network model–based stability analysis of offshore wind power plant under weak grid conditions. IET Power Electronics, 2020, 13, 2715-2729.	1.5	9

#	Article	IF	Citations
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.	5.4	57
153	Special Issue on â€œWind Energy Conversion Systemsâ€. Applied Sciences (Switzerland), 2019, 9, 3258.	1.3	1
154	Optimized Operation of Hybrid System Integrated With MHP, PV and PHS Considering Generation/Load Similarity. IEEE Access, 2019, 7, 107793-107804.	2.6	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.	3.3	78
156	An Imbalance Fault Detection Algorithm for Variable-Speed Wind Turbines: A Deep Learning Approach. Energies, 2019, 12, 2764.	1.6	37
157	Optimal Investment Strategies for Solar Energy Based Systems. Energies, 2019, 12, 2826.	1.6	6
158	Thyristorâ€based modular multilevel converterâ€HVDC systems with current interruption capability. IET Power Electronics, 2019, 12, 3056-3067.	1.5	12
159	Deep reinforcement learningâ€based approach for optimizing energy conversion in integrated electrical and heating system with renewable energy. Energy Conversion and Management, 2019, 202, 112199.	4.4	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.	0.6	20
161	Implementation of repowering optimization for an existing photovoltaicâ€pumped hydro storage hybrid system: A case study in Sichuan, China. International Journal of Energy Research, 2019, 43, 8463.	2.2	9
162	Optimized Placement of Onshore Wind Farms Considering Topography. Energies, 2019, 12, 2944.	1.6	13

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163	A Hybrid Cable Connection Structure for Wind Farms With Reliability Consideration. IEEE Access, 2019, 7, 144398-144407.	2.6	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.	5.1	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.	4.6	45
168	Harmonic Quantitative Analysis for Dead-Time Effects in SPWM Inverters. IEEE Access, 2019, 7, 43143-43152.	2.6	23
169	Coordinative impedance damping control for backâ€toâ€back converter in solar power integration system. IET Renewable Power Generation, 2019, 13, 1484-1492.	1.7	6
170	Comprehensive Coordinated Control Strategy of PMSG-Based Wind Turbine for Providing Frequency Regulation Services. IEEE Access, 2019, 7, 63944-63953.	2.6	42
171	Tolerant Control of Voltage Signal Fault for Converter Station Based Multi-Terminal HVDC Systems. IEEE Access, 2019, 7, 48175-48184.	2.6	4
172	Optimal Power Dispatch of an Offshore Wind Farm under Generator Fault. Applied Sciences (Switzerland), 2019, 9, 1184.	1.3	7
173	Analysis and Suppression for Frequency Oscillation in a Wind-Diesel System. IEEE Access, 2019, 7, 22818-22828.	2.6	6
174	Fault Diagnosis and System Reconfiguration Strategy of Single-phase Three Level Neutral-Point-Clamped Cascaded Inverter. IEEE Transactions on Industry Applications, 2019, , 1-1.	3.3	49
175	Optimal reactive power dispatch of a full-scale converter based wind farm considering loss minimization. Renewable Energy, 2019, 139, 292-301.	4.3	44
176	Improving power smoothing and performance of pitch angle system for above rated speed range in wind power systems. IET Generation, Transmission and Distribution, 2019, 13, 409-416.	1.4	7
177	Lifetime-Oriented Droop Control Strategy for AC Islanded Microgrids. IEEE Transactions on Industry Applications, 2019, 55, 3252-3263.	3.3	28
178	Operational Optimization of Wind Farm Integrated Battery/Electrolyzer in Electricity Market Considering Fluctuation Penalty. , 2019, , .		1
179	Active power dispatch strategy of the wind farm based on improved multiâ€agent consistency algorithm. IET Renewable Power Generation, 2019, 13, 2693-2704.	1.7	8
180	Optimization of Active and Reactive Power Dispatch among Multi-Paralleled Grid-Connected Inverters Considering Low-Frequency Stability. , 2019, , .		7

#	Article	IF	Citations
181	Optimised Wind Farm Active and Reactive Power Dispatch While Considering Fatigue Distribution. , 2019, , .		0
182	High boost transformer–based Z–source inverter under continuous input current profile. IET Power Electronics, 2019, 12, 3716-3723.	1.5	9
183	Optimized Planning of P2G Plant in Integrated Electricity and Natural Gas System. , 2019, , .		2
184	Unipolar Double-Star Submodule for Modular Multilevel Converter With DC Fault Blocking Capability. IEEE Access, 2019, 7, 136094-136105.	2.6	11
185	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.	2.6	29
186	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.	3.7	28
187	Real-time subsidy based robust scheduling of the integrated power and gas system. Applied Energy, 2019, 236, 1158-1167.	5.1	30
188	Multi-Objective Robust Optimization for a Dual-Flux-Modulator Coaxial Magnetic Gear. IEEE Transactions on Magnetics, 2019, 55, 1-8.	1.2	9
189	Comprehensive Comparison of Rotor Permanent Magnet and Stator Permanent Magnet Flux-Switching Machines. IEEE Transactions on Industrial Electronics, 2019, 66, 5862-5871.	5.2	29
190	Strategy for wind power plant contribution to frequency control under variable wind speed. Renewable Energy, 2019, 130, 1226-1236.	4.3	58
191	A Novel Thermal Energy Storage System in Smart Building Based on Phase Change Material. IEEE Transactions on Smart Grid, 2019, 10, 2846-2857.	6.2	40
192	A Gray-Box Impedance Reshaping Method of Grid-Connected Inverter for Resonance Damping. , 2019, , .		6
193	A Gray-Box Parameters Identification Method of Voltage Source Converter Using Vector Fitting Algorithm. , 2019, , .		13
194	Novel DC Bias Suppression Device Based on Adjustable Parallel Resistances. IEEE Transactions on Power Delivery, 2018, 33, 1787-1797.	2.9	14
195	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.	1.1	23
196	Full-Bridge LLC Resonant Converter With Series-Parallel Connected Transformers for Electric Vehicle On-Board Charger. IEEE Access, 2018, 6, 13490-13500.	2.6	102
197	A Novel Dual-Flux-Modulator Coaxial Magnetic Gear for High Torque Capability. IEEE Transactions on Energy Conversion, 2018, 33, 682-691.	3.7	38
198	A new strategy based on hybrid battery–wind power system for wind power dispatching. IET Generation, Transmission and Distribution, 2018, 12, 160-169.	1.4	27

#	Article	IF	Citations
199	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.	3.3	50
200	Guest Editorial for the Special Section on Enabling Very High Penetration Renewable Energy Integration Into Future Power Systems. IEEE Transactions on Power Systems, 2018, 33, 3223-3226.	4.6	11
201	Model Predictive Control of PMSG-Based Wind Turbines for Frequency Regulation in an Isolated Grid. IEEE Transactions on Industry Applications, 2018, 54, 3077-3089.	3.3	56
202	Optimized Power Dispatch in Wind Farms for Power Maximizing Considering Fatigue Loads. IEEE Transactions on Sustainable Energy, 2018, 9, 862-871.	5.9	41
203	Power System Structural Vulnerability Assessment Based on an Improved Maximum Flow Approach. IEEE Transactions on Smart Grid, 2018, 9, 777-785.	6.2	91
204	Protection Scheme for Modular Multilevel Converters Under Diode Open-Circuit Faults. IEEE Transactions on Power Electronics, 2018, 33, 2866-2877.	5.4	32
205	Zero-Voltage Switching PWM Strategy Based Capacitor Current-Balancing Control for Half-Bridge Three-Level DC/DC Converter. IEEE Transactions on Power Electronics, 2018, 33, 357-369.	5.4	20
206	Small-Signal Stability Analysis of Inverter-Fed Power Systems Using Component Connection Method. IEEE Transactions on Smart Grid, 2018, 9, 5301-5310.	6.2	117
207	Dynamic Optimal Energy Flow in the Integrated Natural Gas and Electrical Power Systems. IEEE Transactions on Sustainable Energy, 2018, 9, 188-198.	5.9	250
208	Wind Turbines with DFIG Participate into Primary and Secondary Frequency Control by Suboptimal Power Tracking Method. , 2018, , .		4
209	A Hierarchical Control Strategy of Microgrids toward Reliability Enhancement. , 2018, , .		21
210	Decoupled Multi-Port Impedance Modelling Method of Transmission Network in Inverter-Fed Power Plant. , 2018, , .		7
211	Optimal Energy Management for the Integrated Power and Gas Systems via Real-time Pricing. , 2018, , .		1
212	Impedance-Based Modelling Method for Length-Scalable Long Transmission Cable for Stability Analysis of Grid-Connected Inverter. , 2018, , .		4
213	A Buck Converter with Cost-Effective GaN/Si Hybrid Switches and CRM Operation for High-Efficiency and High-Power-Density Applications. , 2018, , .		5
214	Full-Bridge T-type Isolated DC/DC Converter with Wide Input Voltage Range. , 2018, , .		0
215	A novel reactive power control strategy for distribution grids with large scale rooftop PV systems. , 2018, , .		1
216	Reduced-Order Modelling Method of Grid-Connected Inverter with Long Transmission Cable. , 2018, , .		6

#	Article	IF	Citations
217	The coordinated operation of electricity, gas and district heating systems. Energy Procedia, 2018, 145, 307-312.	1.8	7
218	Optimal Operation of Photovoltaic-Pump Hydro Storage Hybrid System. , 2018, , .		4
219	A Novel Approach for Onshore Wind Farm Energy Production Calculation with Different Topographic Heights. , 2018, , .		0
220	Cable Connection Scheme Optimization for Offshore Wind Farm Considering Wake Effect. , 2018, , .		3
221	Lifetime-Oriented Droop Control Strategy for AC Islanded Microgrids. , 2018, , .		2
222	A Novel Magnetic-Geared Machine with Dual Flux Modulators. , 2018, , .		2
223	Substation Location and Cable Connection Optimization of Onshore Wind Farms Using Minimum Spanning Tree Algorithm. , 2018, , .		1
224	A Single-Phase Double T-Type Seven-Level Inverter. , 2018, , .		9
225	Voltage Stability Improvement by Using a Newly Designed STATCOM Controller in Case of High Wind Penetration Cases. , 2018, , .		0
226	Dynamic Placement Analysis of Wind Power Generation Units in Distribution Power Systems. Energies, 2018, 11, 2326.	1.6	3
227	Predictive Current Control of Boost Three-Level and T-Type Inverters Cascaded in Wind Power Generation Systems. Algorithms, 2018, 11, 92.	1.2	6
228	An Adaptive Grid Voltage/Frequency Tracking Method Based on SOGIs on a Shipboard PV–Diesel-Battery Hybrid Power System. Energies, 2018, 11, 732.	1.6	2
229	Gain Scheduled Torque Compensation of PMSG-Based Wind Turbine for Frequency Regulation in an Isolated Grid. Energies, 2018, 11, 1623.	1.6	10
230	Improvement of wide-area damping controller subject to actuator saturation: a dynamic anti-windup approach. IET Generation, Transmission and Distribution, 2018, 12, 2115-2123.	1.4	8
231	Coordinated control strategy for hybrid wind farms with DFIG-based and PMSG-based wind farms during network unbalance. Renewable Energy, 2017, 105, 748-763.	4.3	27
232	Input-Parallel Output-Parallel Three-Level DC/DC Converters With Interleaving Control Strategy for Minimizing and Balancing Capacitor Ripple Currents. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1122-1132.	3.7	36
233	A bi-level programming for multistage co-expansion planning of the integrated gas and electricity system. Applied Energy, 2017, 200, 192-203.	5.1	133
234	Optimizing investments in coupled offshore wind -electrolytic hydrogen storage systems in Denmark. Journal of Power Sources, 2017, 359, 186-197.	4.0	120

#	Article	IF	Citations
235	Overall Optimization for Offshore Wind Farm Electrical System. Wind Energy, 2017, 20, 1017-1032.	1.9	27
236	Combined optimization for offshore wind turbine micro siting. Applied Energy, 2017, 189, 271-282.	5.1	83
237	Offshore wind farm repowering optimization. Applied Energy, 2017, 208, 834-844.	5.1	64
238	A simple PV inverter power factor control method based on solar irradiance variation. , 2017, , .		3
239	Coordinated Operation of the Electricity and Natural Gas Systems with Bi-directional Energy Conversion. Energy Procedia, 2017, 105, 492-497.	1.8	14
240	Frequency scanning-based stability analysis method for grid-connected inverter system. , 2017, , .		13
241	Harmonic resonance assessment of multiple paralleled grid-connected inverters system. , 2017, , .		13
242	Multifrequency spiral vector model for the brushless doubly-fed induction machine. , 2017, , .		4
243	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.	2.3	26
244	Torque/Power Density Optimization of a Dual-Stator Brushless Doubly-Fed Induction Generator for Wind Power Application. IEEE Transactions on Industrial Electronics, 2017, 64, 9864-9875.	5.2	35
245	Dual-Electrical-Port Control of Cascaded Doubly-Fed Induction Machine for EV/HEV Applications. IEEE Transactions on Industry Applications, 2017, 53, 1390-1398.	3.3	28
246	Harmonic Instability Assessment Using State-Space Modeling and Participation Analysis in Inverter-Fed Power Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 806-816.	5.2	193
247	Reactive Power Dispatch Method in Wind Farms to Improve the Lifetime of Power Converter Considering Wake Effect. IEEE Transactions on Sustainable Energy, 2017, 8, 477-487.	5.9	33
248	Offshore Wind Farm Layout Design Considering Optimized Power Dispatch Strategy. IEEE Transactions on Sustainable Energy, 2017, 8, 638-647.	5.9	51
249	Distributed Optimal Control of Reactive Power and Voltage in Islanded Microgrids. IEEE Transactions on Industry Applications, 2017, 53, 340-349.	3.3	58
250	Fault detection and isolation for wind turbine electric pitch system. , 2017, , .		6
251	Novel topology of three-phase electric spring and its control. , 2017, , .		2
252	Optimal operation and location of heat pumps in the integrated energy systems. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
253	Optimal energy flow in islanded integrated energy systems. , 2017, , .		0
254	Capacitor monitoring for modular multilevel converters. , 2017, , .		12
255	A two-stage stochastic programming approach for operating multi-energy systems. , 2017, , .		1
256	Maximum energy yield oriented turbine control in PMSGâ€based wind farm. Journal of Engineering, 2017, 2017, 2455-2460.	0.6	9
257	MILP formulation for the optimal operation of the integrated gas and power system. , 2017, , .		1
258	Wind turbine down-regulation strategy for minimum wake deficit. , 2017, , .		4
259	Analysis and evaluation of novel rotor permanent magnet fluxâ€switching machine for EV and HEV applications. IET Electric Power Applications, 2017, 11, 1610-1618.	1.1	27
260	Comparative study of integrated energy system modelling. , 2017, , .		0
261	Optimized control of a residential heat pump. , 2017, , .		0
262	Comparison of loads for wind turbine down-regulation strategies. , 2017, , .		5
263	Hybrid approximate dynamic programming approach for dynamic optimal energy flow in the integrated gas and power systems. , 2017, , .		2
264	Optimal Control to Increase Energy Production of Wind Farm Considering Wake Effect and Lifetime Estimation. Applied Sciences (Switzerland), 2017, 7, 65.	1.3	19
265	Wind Turbine Power Curve Design for Optimal Power Generation in Wind Farms Considering Wake Effect. Energies, 2017, 10, 395.	1.6	24
266	Review of Reactive Power Dispatch Strategies for Loss Minimization in a DFIG-based Wind Farm. Energies, 2017, 10, 856.	1.6	15
267	A Review of Optimal Planning Active Distribution System: Models, Methods, and Future Researches. Energies, 2017, 10, 1715.	1.6	52
268	Enhanced Predictive Current Control of Three-Phase Grid-Tied Reversible Converters with Improved Switching Patterns. Energies, 2016, 9, 41.	1.6	4
269	Coordination Control of a Novel Wind Farm Configuration Including a Hydrogen Storage System and a Gas Turbine. Energies, 2016, 9, 535.	1.6	1
270	Pragmatic approach for multistage phasor measurement unit placement: a case study of the Danish power system and inputs from practical experience. International Transactions on Electrical Energy Systems, 2016, 26, 2532-2551.	1.2	5

#	Article	IF	Citations
271	Node Localization Algorithm of Wireless Sensor Networks for Large Electrical Equipment Monitoring Application. , 2016, , .		0
272	Input-parallel output-parallel (IPOP) three-level (TL) DC/DC converters with minimized capacitor ripple currents. , 2016, , .		4
273	Harmonic stability analysis of inverter-fed power systems using Component Connection Method. , 2016, , .		9
274	Operational optimization of wind energy based hydrogen storage system considering electricity market's influence. , 2016, , .		2
275	Modular multilevel converters based variable speed wind turbines for grid faults. , 2016, , .		7
276	Modeling of wind farm combined with PEM electrolyzer and combustion turbine. , 2016, , .		1
277	Review on integrated-control method of variable speed wind turbines participation in primary and secondary frequency. , 2016, , .		2
278	State-space-based harmonic stability analysis for paralleled grid-connected inverters. , 2016, , .		12
279	A double phase-shift control strategy for a full-bridge three-level DC/DC converter. , 2016, , .		1
280	Control of three-phase electric springs used in microgrids under ideal and non-ideal conditions. , 2016, , .		7
281	A wind farm active power dispatch strategy for fatigue load reduction. , 2016, , .		4
282	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.	1.7	53
283	Steady-state analysis of the integrated natural gas and electric power system with bi-directional energy conversion. Applied Energy, 2016, 184, 1483-1492.	5.1	220
284	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.	5.2	56
285	Distributed optimal control of reactive power and voltage in islanded microgrids. , 2016, , .		7
286	Impedance interactions in bidirectional cascaded converter. IET Power Electronics, 2016, 9, 2482-2491.	1.5	19
287	Dynamic droop scheme considering effect of intermittent renewable energy source. , 2016, , .		4
288	Enhanced static ground power unit based on flying capacitor based hâ€bridge hybrid activeâ€neutralâ€pointâ€clamped converter. IET Power Electronics, 2016, 9, 2337-2349.	1.5	18

#	Article	IF	Citations
289	Optimization of offshore wind farm layout in restricted zones. Energy, 2016, 113, 487-496.	4.5	53
290	Automatic voltage control (AVC) system under uncertainty from wind power. , 2016, , .		5
291	A Dynamic Programming based method for optimizing power system restoration with high wind power penetration. , 2016, , .		5
292	DC electric springs with DC/DC converters. , 2016, , .		6
293	A new approach for offshore wind farm energy yields calculation with mixed hub height wind turbines. , 2016, , .		0
294	Five-level active-neutral-point-clamped DC/DC converter. , 2016, , .		0
295	Enhanced Control of DFIG Wind Turbine Based on Stator Flux Decay Compensation. IEEE Transactions on Energy Conversion, 2016, 31, 1366-1376.	3.7	20
296	Fast calculation of magnetic field distribution in magnetic gear for high torque application. , 2016, , .		2
297	Design of reactive power regulator of synchronous generators by considering grid impedance angle for characteristic index objectives. IET Generation, Transmission and Distribution, 2016, 10, 3508-3516.	1.4	2
298	A review of individual pitch control for wind turbines. , 2016, , .		4
299	Using order tracking analysis method to detect the angle faults of blades on wind turbine. , 2016, , .		1
300	Dual-electrical-port control of cascaded brushless doubly-fed induction drive for EV/HEV applications. , 2016, , .		0
301	Optimization of decommission strategy for offshore wind farms. , 2016, , .		1
302	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.	1.4	38
303	Multi-Stage Optimization Based Automatic Voltage Control Systems Considering Wind Power Forecasting Errors. IEEE Transactions on Power Systems, 2016, , 1-1.	4.6	21
304	Improved control strategies for a DFIG-based wind-power generation system with SGSC under unbalanced and distorted grid voltage conditions. International Journal of Electrical Power and Energy Systems, 2016, 77, 185-196.	3.3	11
305	Study of a Novel Equivalent Model and a Long-Feeder Simulator-Based Active Power Filter in a Closed-Loop Distribution Feeder. IEEE Transactions on Industrial Electronics, 2016, 63, 2702-2712.	5.2	20
306	A Novel Coaxial Magnetic Gear and Its Integration With Permanent-Magnet Brushless Motor. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	15

#	Article	IF	Citations
307	Detection of Partial Demagnetization Fault in PMSMs Operating Under Nonstationary Conditions. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	43
308	Adaptive voltage control strategy for variable‐speed wind turbine connected to a weak network. IET Renewable Power Generation, 2016, 10, 238-249.	1.7	32
309	Stable Short-Term Frequency Support Using Adaptive Gains for a DFIG-Based Wind Power Plant. IEEE Transactions on Energy Conversion, 2016, 31, 1068-1079.	3.7	104
310	Investigation of Unbalanced Magnetic Force in Magnetic Geared Machine Using Analytical Methods. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	9
311	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.	5.9	39
312	Optimised power dispatch strategy for offshore wind farms. IET Renewable Power Generation, 2016, 10, 399-409.	1.7	29
313	Fault-Tolerant Approach for Modular Multilevel Converters Under Submodule Faults. IEEE Transactions on Industrial Electronics, 2016, 63, 7253-7263.	5.2	118
314	A Reactive Power Dispatch Strategy With Loss Minimization for a DFIG-Based Wind Farm. IEEE Transactions on Sustainable Energy, 2016, 7, 914-923.	5.9	86
315	A Novel Impedance Converter for Harmonic Damping in Loop Power Distribution Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 162-173.	3.7	11
316	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.	1.7	48
317	Dual-Loop Control Strategy for DFIG-Based Wind Turbines Under Grid Voltage Disturbances. IEEE Transactions on Power Electronics, 2016, 31, 2239-2253.	5.4	46
318	Analytical calculation of the magnetic field distribution in a flux-modulated permanent-magnet brushless motor. , 2015, , .		1
319	Review of power system stability with high wind power penetration. , 2015, , .		4
320	Stochastic optimal regulation service strategy for a wind farm participating in the electricity market. , 2015, , .		2
321	Diode rectifier bridge-based structure for DFIG-based wind turbine. , 2015, , .		3
322	Control strategy for permanent magnet synchronous motor with contra‐rotating rotors under unbalanced loads condition. IET Electric Power Applications, 2015, 9, 71-79.	1.1	30
323	Contribution of VSC-HVDC to Frequency Regulation of Power Systems With Offshore Wind Generation. IEEE Transactions on Energy Conversion, 2015, 30, 918-926.	3.7	172
324	Smart guaranteed time‐slot allocation algorithm for industrial wireless sensor networks emergency message transmission. IET Wireless Sensor Systems, 2015, 5, 76-86.	1.3	4

#	Article	IF	Citations
325	A novel energy yields calculation method for irregular wind farm layout. , 2015, , .		5
326	Impedance analysis of control modes in cascaded converter. , 2015, , .		0
327	Development of distributed simulation platform for power systems and wind farms. , 2015, , .		1
328	A strategy of minimising wind power curtailment by considering operation capacity credit. , 2015, , .		2
329	Eigenvalue-based harmonic stability analysis method in inverter-fed power systems. , 2015, , .		4
330	A novel topology and its control of single-phase electric springs. , 2015, , .		8
331	Research of smart grid cyber architecture and standards deployment with high adaptability for Security Monitoring. , 2015, , .		4
332	Offshore substation locating in wind farms based on prim algorithm. , 2015, , .		4
333	Probe Improvement of Inductive Sensor for Online Health Monitoring of Mechanical Transmission Systems. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	12
334	Offshore wind farm cable connection configuration optimization using Dynamic Minimum Spanning Tree algorithm. , 2015, , .		6
335	Comparative study between two market clearing schemes in wind dominant electricity markets. IET Generation, Transmission and Distribution, 2015, 9, 2215-2223.	1.4	5
336	Analytical Investigation on the Power Factor of a Flux-Modulated Permanent-Magnet Synchronous Machine. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	12
337	A sensor-less method for online thermal monitoring of switched reluctance machine. , 2015, , .		3
338	Steady-State Analysis of Electric Springs With a Novel δ Control. IEEE Transactions on Power Electronics, 2015, 30, 7159-7169.	5.4	110
339	Voltage-Balancing Method for Modular Multilevel Converters Under Phase-Shifted Carrier-Based Pulsewidth Modulation. IEEE Transactions on Industrial Electronics, 2015, 62, 4158-4169.	5.2	90
340	Virtual Damping Flux-Based LVRT Control for DFIG-Based Wind Turbine. IEEE Transactions on Energy Conversion, 2015, 30, 714-725.	3.7	97
341	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.	5.9	128
342	Control and dynamic analysis of a parallelâ€connected single active bridge DCâ€"DC converter for DCâ€grid wind farm application. IET Power Electronics, 2015, 8, 665-671.	1.5	21

#	Article	IF	Citations
343	Load mitigation of unbalanced wind turbines using PIâ€R individual pitch control. IET Renewable Power Generation, 2015, 9, 262-271.	1.7	26
344	Enhanced Control for a Direct-driven Permanent Synchronous Generator Wind-power Generation System with Flywheel Energy Storage Unit Under Unbalanced Grid Fault. Electric Power Components and Systems, 2015, 43, 982-994.	1.0	9
345	High stability vector-based direct power control for DFIG-based wind turbine. , 2015, , .		0
346	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.	1.7	49
347	Robust fallback sheme for the Danish automatic voltage control system. , 2015, , .		3
348	A hidden Markov model representing the spatial and temporal correlation of multiple wind farms. , 2015, , .		0
349	Characteristics Analysis of an Excitation Assistance Switched Reluctance Wind Power Generator. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	7
350	A Double Uneven Power Converter-Based DCâ€"DC Converter for High-Power DC Grid Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 7599-7608.	5.2	31
351	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.	1.4	41
352	Multi-period optimization for Voltage Control system in transmission grids. , 2015, , .		3
353	Dynamic performance of doublyâ€fed induction generator stator flux during consecutive grid voltage variations. IET Renewable Power Generation, 2015, 9, 720-728.	1.7	13
354	A bidirectional multi-port DC-DC converter integrating voltage equalizer. , 2015, , .		0
355	Active Power and DC Voltage Coordinative Control for Cascaded DCâ€"AC Converter With Bidirectional Power Application. IEEE Transactions on Power Electronics, 2015, 30, 5911-5925.	5.4	31
356	Dynamic Reactive Power Compensation of Large-Scale Wind Integrated Power System. IEEE Transactions on Power Systems, 2015, 30, 2516-2526.	4.6	107
357	Realistic Approach for Phasor Measurement Unit Placement: Consideration of Practical Hidden Costs. IEEE Transactions on Power Delivery, 2015, 30, 3-15.	2.9	60
358	Fault Detection and Localization Method for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2015, 30, 2721-2732.	5.4	212
359	Voltage-Balancing Method for Modular Multilevel Converters Switched at Grid Frequency. IEEE Transactions on Industrial Electronics, 2015, 62, 2835-2847.	5.2	92
360	An Estimator-Based Distributed Voltage-Predictive Control Strategy for AC Islanded Microgrids. IEEE Transactions on Power Electronics, 2015, 30, 3934-3951.	5.4	90

#	Article	IF	Citations
361	Elimination of DC-Link Current Ripple for Modular Multilevel Converters With Capacitor Voltage-Balancing Pulse-Shifted Carrier PWM. IEEE Transactions on Power Electronics, 2015, 30, 284-296.	5.4	33
362	Short circuit analysis of distribution system with integration of DG. , 2014, , .		1
363	Characterization and assessment of voltage and power constraints of DFIG WT connected to a weak network. , 2014, , .		2
364	A Novel Excitation Assistance Switched Reluctance Wind Power Generator. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	21
365	Analysis and Design Optimization of a Coaxial Surface-Mounted Permanent-Magnet Magnetic Gear. Energies, 2014, 7, 8535-8553.	1.6	27
366	A SVPWM based on fluctuate capacitor voltage in 3L-NPC back-to-back converter applied to wind energy. , 2014, , .		5
367	Analyze and improve lifetime in 3L-NPC inverter from power cycle and thermal balance. , 2014, , .		2
368	Detection of vulnerable relays and sensitive controllers under cascading events based on performance indices. , 2014, , .		1
369	An Optimal Reactive Power Control Strategy for a DFIG-Based Wind Farm to Damp the Sub-Synchronous Oscillation of a Power System. Energies, 2014, 7, 3086-3103.	1.6	12
370	Optimal selection of AC cables for large scale offshore wind farms. , 2014, , .		1
371	Modeling and control of a novel dual-stator brushless doubly-fed wind power generation system. , 2014, , .		6
372	Comparison of Flux Regulation Ability of the Hybrid Excitation Doubly Salient Machines. IEEE Transactions on Industrial Electronics, 2014, 61, 3155-3166.	5.2	81
373	LQG controller design for pitch regulated variable speed wind turbine. , 2014, , .		13
374	Coodinative control of active power and DC-link voltage for cascaded dual-active-bridge and inverter in bidirectional applications. , 2014, , .		2
375	Incipient Stator Insulation Fault Detection of Permanent Magnet Synchronous Wind Generators Based on Hilbertâ€"Huang Transformation. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	51
376	Reactive power dispatch for loss minimization of a Doubly fed induction generator based wind farm. , 2014, , .		10
377	A systematic approach for dynamic security assessment and the corresponding preventive control scheme based on decision trees. , 2014, , .		10
378	Power flow calculation for weakly meshed distribution networks with multiple DGs based on generalized chain-table storage structure. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
379	A Control Method for Voltage Balancing in Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2014, 29, 66-76.	5.4	262
380	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.	3.3	60
381	Flicker Mitigation by Individual Pitch Control of Variable Speed Wind Turbines With DFIG. IEEE Transactions on Energy Conversion, 2014, 29, 20-28.	3.7	63
382	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.	4.6	69
383	A 2MW 6-phase BLDC generator developed from a PM synchronous generator for wind energy application. , 2014, , .		3
384	Open-circuit fault detection and tolerant operation for a parallel-connected SAB DC-DC converter. , 2014, , .		9
385	Model and Performance of Current Sensor Observers for a Doubly Fed Induction Generator. Electric Power Components and Systems, 2014, 42, 1048-1058.	1.0	2
386	Fuzzy adaptive particle swarm optimisation for power loss minimisation in distribution systems using optimal load response. IET Generation, Transmission and Distribution, 2014, 8, 1-10.	1.4	34
387	Flicker mitigation strategy for a doubly fed induction generator by torque control. IET Renewable Power Generation, 2014, 8, 91-99.	1.7	23
388	Adaptive decoupled power control method for inverter connected DG. IET Renewable Power Generation, 2014, 8, 171-182.	1.7	42
389	Stochastic impact assessment of the heating and transportation systems electrification on LV grids. , 2014, , .		8
390	Proportional resonant individual pitch control for mitigation of wind turbines loads. IET Renewable Power Generation, 2013, 7, 191-200.	1.7	53
391	Operation and Control of a DC-Grid Offshore Wind Farm Under DC Transmission System Faults. IEEE Transactions on Power Delivery, 2013, 28, 1356-1363.	2.9	77
392	Wind power in modern power systems. Journal of Modern Power Systems and Clean Energy, 2013, 1, 2-13.	3.3	28
393	Enhanced LVRT control strategy for DFIG-based WECS in weak grid. , 2013, , .		5
394	Laboratory and Field Tests of Movable Conduction-Cooled High-Temperature SMES for Power System Stability Enhancement. IEEE Transactions on Applied Superconductivity, 2013, 23, 5701607-5701607.	1.1	15
395	Flicker Mitigation by Speed Control of Permanent Magnet Synchronous Generator Variable-Speed Wind Turbines. Energies, 2013, 6, 3807-3821.	1.6	19
396	Force Characteristics of the H-Module Linear Actuator With Varying Tooth-Shift-Distance. IEEE Transactions on Magnetics, 2013, 49, 3842-3845.	1.2	1

#	Article	IF	Citations
397	Mitigation of power system oscillation caused by wind power fluctuation. IET Renewable Power Generation, 2013, 7, 639-651.	1.7	41
398	An analytic electromagnetic calculation method for performance evolution of doubly fed induction generators for wind turbines. Journal of Central South University, 2013, 20, 2763-2774.	1.2	1
399	Price volatility in wind dominant electricity markets. , 2013, , .		14
400	Generation of domestic hot water, space heating and driving pattern profiles for integration analysis of active loads in low voltage grids. , 2013, , .		7
401	Wide area measurement based security assessment & monitoring of modern power system: A danish power system case study. , 2013, , .		2
402	Wide area protection scheme preventing cascading events caused by load flow transferring. , 2013, , .		2
403	Electric vehicles and large-scale integration of wind power â€" The case of Inner Mongolia in China. Applied Energy, 2013, 104, 445-456.	5.1	78
404	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.	5.4	46
405	Optimal Operation of Plug-In Electric Vehicles in Power Systems With High Wind Power Penetrations. IEEE Transactions on Sustainable Energy, 2013, 4, 577-585.	5.9	144
406	Intelligent load-frequency control contribution of wind turbine in power system stability. , 2013, , .		14
407	Modeling and control of low voltage flexible units for enhanced operation of distribution feeders. , 2013, , .		0
408	Reduction method for active distribution networks. , 2013, , .		0
409	Ancillary frequency control of direct drive full-scale converter based wind power plants. , 2013, , .		1
410	Design of Protective Inductors for HVDC Transmission Line Within DC Grid Offshore Wind Farms. IEEE Transactions on Power Delivery, 2013, 28, 75-83.	2.9	70
411	Improving Fault Ride-Through Capability of Variable Speed Wind Turbines in Distribution Networks. IEEE Systems Journal, 2013, 7, 713-722.	2.9	36
412	Comparison study of power system small signal stability improvement using SSSC and STATCOM. , 2013, , .		4
413	Dynamic security assessment of Danish power system based on decision trees: Today and tomorrow. , 2013, , .		6
414	Voltage sensitivity based reactive power control on VSC-HVDC in a wind farm connected hybrid multi-infeed HVDC system. , 2013, , .		7

#	Article	IF	Citations
415	Optimal PMU Placement by improved particle swarm optimization. , 2013, , .		15
416	High order sliding mode control of doubly-fed induction generator under unbalanced grid faults. , 2013, , .		2
417	Study of DFIG wind turbine fault ride-through according to the Danish grid code. , 2013, , .		2
418	Improved FRT control scheme for DFIG wind turbine connected to a weak grid. , 2013, , .		4
419	Challenge of primary voltage control in large scale wind integrated Power System: A Danish power system case study. , 2013, , .		2
420	Impacts of large-scale offshore wind farm integration on power systems through VSC-HVDC. , 2013, , .		10
421	Importance sampling based decision trees for security assessment and the corresponding preventive control schemes: The Danish case study. , 2013, , .		7
422	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.	5.4	109
423	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.	5.4	273
424	Coordinated Control of a DFIG-Based Wind-Power Generation System with SGSC under Distorted Grid Voltage Conditions. Energies, 2013, 6, 2541-2561.	1.6	15
425	Effect of Tower Shadow and Wind Shear in a Wind Farm on AC Tie-Line Power Oscillations of Interconnected Power Systems. Energies, 2013, 6, 6352-6372.	1.6	15
426	Design of anti-windup compensator for superconducting magnetic energy storage. , 2013, , .		0
427	Alkaline electrolyzer and V2G system DIgSILENT models for demand response analysis in future distribution networks. , 2013, , .		7
428	Modeling and analysis of harmonic resonance in a power electronics based AC power system. , 2013, , .		11
429	Resonance analysis in parallel voltage-controlled Distributed Generation inverters. , 2013, , .		33
430	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.	2.1	30
431	A novel control strategy of active filter for suppressing background harmonic voltage magnification in power distribution system. , 2012, , .		0
432	Practical testing and performance analysis of Phasor Measurement Unit using real time digital simulator (RTDS). , 2012, , .		6

#	Article	IF	Citations
433	Cooperative control of VSC-HVDC connected offshore wind farm with Low-Voltage Ride-Through capability. , 2012, , .		4
434	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.	3.3	68
435	Aggregated Modelling for Wind Farms for Power System Transient Stability Studies. , 2012, , .		28
436	Individual pitch control for mitigation of power fluctuation of variable speed wind turbines. , 2012, , .		3
437	Grid integration of offshore wind farms and offshore oil/gas platforms. , 2012, , .		4
438	Research on the field current of a doubly salient electromagnetic generator with a half-controlled PWM rectifier. , 2012, , .		7
439	Emergency load shedding strategy based on sensitivity analysis of relay operation margin against cascading events. , 2012, , .		6
440	Synthesis of variable harmonic impedance in inverter-interfaced distributed generation unit for harmonic damping throughout a distribution network. , 2012, , .		2
441	Fault ride-through and grid support of permanent magnet synchronous generator-based wind farms with HVAC and VSC-HVDC transmission systems. , 2012, , .		3
442	Autonomous control of inverter-interfaced Distributed Generation units for harmonic current filtering and resonance damping in an islanded microgrid. , 2012, , .		4
443	An improved design of virtual output impedance loop for droop-controlled parallel three-phase voltage source inverters. , 2012, , .		32
444	Transient stability assessment of power system with large amount of wind power penetration: The Danish case study. , 2012, , .		11
445	A communication-less overcurrent protection for distribution system with distributed generation integrated. , 2012, , .		13
446	Self-tuning fuzzy logic control of a switched reluctance generator for wind energy applications. , 2012, , .		9
447	A Review of Power Electronics Based Microgrids. Journal of Power Electronics, 2012, 12, 181-192.	0.9	135
448	Impact of wind shear and tower shadow effects on power system with large scale wind power penetration. , 2011, , .		2
449	A centralized control architecture for harmonic voltage suppression in islanded microgrids. , 2011, , .		25
450	Secondary voltage control for harmonics suppression in islanded microgrids. , 2011, , .		21

#	ARTICLE	IF	CITATIONS
451	Review on islanding operation of distribution system with distributed generation. , 2011, , .		62
452	Transient voltage stability analysis and improvement of a network with different HVDC systems. , 2011, , .		10
453	Overview of multi-terminal VSC HVDC transmission for large offshore wind farms. , 2011, , .		5
454	Adaptive voltage stability protection based on load identification using Phasor Measurement Units. , 2011, , .		6
455	An offshore wind farm with DC grid connection and its performance under power system transients. , 2011, , .		21
456	Optimal operation of electric vehicles in competitive electricity markets and its impact on distribution power systems. , 2011, , .		7
457	A control strategy for multi-functional converter to improve grid power quality. , 2011, , .		4
458	Analysis of a Commercial Wind Farm in Taiwan Part II: Different Current-Limit Reactors and Load Tap Changers on System Performance. IEEE Transactions on Industry Applications, 2011, 47, 954-964.	3.3	12
459	Analysis of a Commercial Wind Farm in Taiwan Part I: Measurement Results and Simulations. IEEE Transactions on Industry Applications, 2011, 47, 939-953.	3.3	16
460	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.	5.2	391
461	A study of protective operation strategy for a distributed generation system with wind turbines. , 2011, , .		2
462	Pitchcontrol of wind turbines using model free adaptivecontrol based on wind turbine code. , 2011, , .		0
463	A laboratory grid simulator based on three-phase four-leg inverter: Design and implementation. , 2011, , .		13
464	An Ethernet LAN based distributed generation system load shedding strategy. , 2011, , .		0
465	A current controller of grid-connected converter for harmonic damping in a distribution network. , 2011, , .		2
466	Stochastic evaluation of maximum wind installation in a radial distribution network. , 2011, , .		3
467	Stochastic Optimization of Wind Turbine Power Factor Using Stochastic Model of Wind Power. IEEE Transactions on Sustainable Energy, 2010, 1, 19-29.	5.9	65
468	The Relationship Between Electricity Price and Wind Power Generation in Danish Electricity Markets. , 2010, , .		9

#	ARTICLE	IF	CITATIONS
469	Stability analysis of multi-infeed HVDC system applying VSC-HVDC. , 2010, , .		6
470	Optimal Placement of Phasor Measurement Units with New Considerations. , 2010, , .		12
471	A new structure based on cascaded multilevel converter for variable speed wind turbine. , 2010, , .		23
472	Underfrequency Load Shedding for an Islanded Distribution System With Distributed Generators. IEEE Transactions on Power Delivery, 2010, 25, 911-918.	2.9	107
473	Optimal operation strategy of battery energy storage system to real-time electricity price in Denmark. , 2010, , .		32
474	Optimal Load Response to Time-of-Use Power Price for Demand Side Management in Denmark. , 2010, , .		13
475	ARIMA-Based Time Series Model of Stochastic Wind Power Generation. IEEE Transactions on Power Systems, 2010, 25, 667-676.	4.6	281
476	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.	2.9	62
477	Distribution system protection with communication technologies. , 2010, , .		14
478	Study of LANs access technologies in wind power system. , 2010, , .		7
479	APF for harmonic voltage resonance suppression in distribution system. , 2010, , .		3
480	Variable speed wind turbine based on multiple generators drive-train configuration. , 2010, , .		1
481	Power Dispatch Strategy for Wind Farm Based on Virtual Market. , 2009, , .		2
482	Markov model of wind power time series using Bayesian inference of transition matrix. , 2009, , .		19
483	Measurement Based Scenario Analysis of Short-Range Distribution System Planning. , 2009, , .		1
484	A Review of the State of the Art of Power Electronics for Wind Turbines. IEEE Transactions on Power Electronics, 2009, 24, 1859-1875.	5.4	1,168
485	Application of a novel soft phase-locked loop in directly-driven permanent magnet wind power generation system. , 2009, , .		0
486	Analysis of a commercial wind farm in Taiwan Part I: Measurement results and simulations. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
487	Optimization of Multibrid Permanent-Magnet Wind Generator Systems. IEEE Transactions on Energy Conversion, 2009, 24, 82-92.	3.7	209
488	Low-voltage ride-through of variable speed wind turbines with permanent magnet synchronous generator. , 2009, , .		22
489	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.	3.7	88
490	Power control of permanent magnet generator based variable speed wind turbines. , 2009, , .		19
491	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.	4.6	43
492	A Hybrid Islanding Detection Technique Using Average Rate of Voltage Change and Real Power Shift. IEEE Transactions on Power Delivery, 2009, 24, 764-771.	2.9	215
493	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.	3.7	82
494	Analysis of a commercial wind farm in Taiwan Part II: Different current-limit reactors and load tap changers on system performance. , 2009, , .		0
495	Comparison of Stator-Mounted Permanent-Magnet Machines Based on a General Power Equation. IEEE Transactions on Energy Conversion, 2009, 24, 826-834.	3.7	80
496	Pitch angle control for variable speed wind turbines. , 2008, , .		75
497	A voltage quality detection method. , 2008, , .		4
498	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.	5.4	260
499	Flicker study on variable speed wind turbines with permanent magnet synchronous generator. , 2008, , .		3
500	Power-flow control and transient-stability enhancement of a large-scale wind power generation system using a superconducting magnetic energy storage (SMES) unit. , 2008, , .		5
501	Editorial Special Issue on Power Electronics for Wind Energy Conversion. IEEE Transactions on Power Electronics, 2008, 23, 1038-1040.	5.4	5
502	A Fast PLL Method for Power Electronic Systems Connected to Distorted Grids. , 2007, , .		3
503	Design and comparison of full-size converters for large variable-speed wind turbines. , 2007, , .		17
504	Probabilistic assessment of wind power production on voltage profile in distribution networks. , 2007, , .		8

#	ARTICLE	IF	CITATIONS
505	Generation Ratio Availability Assessment of Electrical Systems for Offshore Wind Farms. IEEE Transactions on Energy Conversion, 2007, 22, 755-763.	3.7	37
506	Design optimization and comparison of large direct-drive permanent magnet wind generator systems. , 2007, , .		7
507	Nonlinear control for variable-speed wind turbines with permanent magnet generators. , 2007, , .		15
508	A novel stator interior permanent magnet generator for direct-drive wind turbines. , 2007, , .		6
509	Modeling inter-turn winding faults in switched reluctance machines based on neural network. , 2007, , .		3
510	Analysis of the Behaviour of Genetic Algorithm Applied in Optimization of Electrical System Design for Offshore Wind Farms. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	16
511	Modeling of DC/DC Converter for DC Load Flow Calculation. , 2006, , .		2
512	Loss of Generation Ratio Analysis for Offshore Wind Farms. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	4
513	Power Electronics in Renewable Energy Systems. , 2006, , .		44
514	Problem-Based and Project-Oriented Learning. An Efficient Way to Implement Research Based Teaching in Power Electronic. IEEJ Transactions on Industry Applications, 2006, 126, 653-658.	0.1	1
515	Transient stability of DFIG wind turbines at an external short-circuit fault. Wind Energy, 2005, 8, 345-360.	1.9	144
516	Hybrid Compensation Arrangement in Dispersed Generation Systems. IEEE Transactions on Power Delivery, 2005, 20, 1719-1727.	2.9	31
517	Flicker Study on Variable Speed Wind Turbines With Doubly Fed Induction Generators. IEEE Transactions on Energy Conversion, 2005, 20, 896-905.	3.7	201
518	Power Electronics as Efficient Interface in Dispersed Power Generation Systems. IEEE Transactions on Power Electronics, 2004, 19, 1184-1194.	5.4	2,047
519	A new simulation platform to model, optimize and design wind turbines. , 0, , .		16
520	Synchronized overmodulation techniques for the neutral-clamped inverters. , 0, , .		11
521	Renewable energy systems in the power electronics curriculum. , 0, , .		5