

Weihao Hu

List of Publications by Citations

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

193
papers

2,646
citations

29
h-index

42
g-index

252
ext. papers

3,871
ext. citations

6.4
avg, IF

5.94
L-index

#	Paper	IF	Citations
193	. <i>IEEE Transactions on Sustainable Energy</i> , 2013 , 4, 577-585	8.2	102
192	Optimized sizing of a standalone PV-wind-hydropower station with pumped-storage installation hybrid energy system. <i>Renewable Energy</i> , 2020 , 147, 1418-1431	8.1	93
191	Optimized Placement of Wind Turbines in Large-Scale Offshore Wind Farm Using Particle Swarm Optimization Algorithm. <i>IEEE Transactions on Sustainable Energy</i> , 2015 , 6, 1272-1282	8.2	89
190	Investigation of wind speed cooling effect on PV panels in windy locations. <i>Renewable Energy</i> , 2016 , 90, 283-290	8.1	77
189	A Heuristic Planning Reinforcement Learning-Based Energy Management for Power-Split Plug-in Hybrid Electric Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 6436-6445	11.9	72
188	Optimizing investments in coupled offshore wind -electrolytic hydrogen storage systems in Denmark. <i>Journal of Power Sources</i> , 2017 , 359, 186-197	8.9	66
187	Electric vehicles and large-scale integration of wind power □The case of Inner Mongolia in China. <i>Applied Energy</i> , 2013 , 104, 445-456	10.7	66
186	Flicker Mitigation by Active Power Control of Variable-Speed Wind Turbines With Full-Scale Back-to-Back Power Converters. <i>IEEE Transactions on Energy Conversion</i> , 2009 , 24, 640-649	5.4	65
185	Combined optimization for offshore wind turbine micro siting. <i>Applied Energy</i> , 2017 , 189, 271-282	10.7	64
184	A Reactive Power Dispatch Strategy With Loss Minimization for a DFIG-Based Wind Farm. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 914-923	8.2	61
183	A Multi-Agent Deep Reinforcement Learning Based Voltage Regulation Using Coordinated PV Inverters. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 4120-4123	7	50
182	Offshore wind farm repowering optimization. <i>Applied Energy</i> , 2017 , 208, 834-844	10.7	48
181	. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 983-993	7	47
180	Flicker Mitigation by Individual Pitch Control of Variable Speed Wind Turbines With DFIG. <i>IEEE Transactions on Energy Conversion</i> , 2014 , 29, 20-28	5.4	47
179	Reinforcement Learning and Its Applications in Modern Power and Energy Systems: A Review. <i>Journal of Modern Power Systems and Clean Energy</i> , 2020 , 8, 1029-1042	4	45
178	A review of offshore wind farm layout optimization and electrical system design methods. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019 , 7, 975-986	4	40
177	Optimisation for offshore wind farm cable connection layout using adaptive particle swarm optimisation minimum spanning tree method. <i>IET Renewable Power Generation</i> , 2016 , 10, 694-702	2.9	40

176	Performance analysis of a novel solar PTC integrated system for multi-generation with hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 190-206	6.7	38
175	Optimisation of offshore wind farm cable connection layout considering levelised production cost using dynamic minimum spanning tree algorithm. <i>IET Renewable Power Generation</i> , 2016 , 10, 175-183	2.9	37
174	Optimization of offshore wind farm layout in restricted zones. <i>Energy</i> , 2016 , 113, 487-496	7.9	36
173	A Novel Hybrid Short-Term Load Forecasting Method of Smart Grid Using MLR and LSTM Neural Network. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 2443-2452	11.9	34
172	Mitigation of power system oscillation caused by wind power fluctuation. <i>IET Renewable Power Generation</i> , 2013 , 7, 639-651	2.9	33
171	Optimal reactive power dispatch of a full-scale converter based wind farm considering loss minimization. <i>Renewable Energy</i> , 2019 , 139, 292-301	8.1	33
170	Co-Ordinated Control Strategy for Hybrid Wind Farms With PMSG and FSIG Under Unbalanced Grid Voltage Condition. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 1100-1110	8.2	31
169	Optimal reactive power dispatch of permanent magnet synchronous generator-based wind farm considering levelised production cost minimisation. <i>Renewable Energy</i> , 2020 , 145, 1-12	8.1	31
168	Strategy for wind power plant contribution to frequency control under variable wind speed. <i>Renewable Energy</i> , 2019 , 130, 1226-1236	8.1	30
167	Optimal reactive power and voltage control in distribution networks with distributed generators by fuzzy adaptive hybrid particle swarm optimisation method. <i>IET Generation, Transmission and Distribution</i> , 2015 , 9, 1096-1103	2.5	29
166	Deep reinforcement learning based approach for optimizing energy conversion in integrated electrical and heating system with renewable energy. <i>Energy Conversion and Management</i> , 2019 , 202, 112199	10.6	29
165	A frequency control strategy of electric vehicles in microgrid using virtual synchronous generator control. <i>Energy</i> , 2019 , 189, 116389	7.9	29
164	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	29
163	. <i>IEEE Transactions on Sustainable Energy</i> , 2017 , 8, 638-647	8.2	29
162	Data-driven optimal energy management for a wind-solar-diesel-battery-reverse osmosis hybrid energy system using a deep reinforcement learning approach. <i>Energy Conversion and Management</i> , 2021 , 227, 113608	10.6	29
161	Modelling and performance analysis of an innovative CPVT, wind and biogas integrated comprehensive energy system: An energy and exergy approach. <i>Energy Conversion and Management</i> , 2020 , 209, 112611	10.6	28
160	Optimal operational strategy for an offgrid hybrid hydrogen/electricity refueling station powered by solar photovoltaics. <i>Journal of Power Sources</i> , 2020 , 451, 227810	8.9	28
159	Conducted EMI Mitigation Schemes in Isolated Switching-Mode Power Supply Without the Need of a Y-Capacitor. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2687-2703	7.2	26

158	Optimized Power Dispatch in Wind Farms for Power Maximizing Considering Fatigue Loads. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 862-871	8.2	26
157	High resolution wind speed forecasting based on wavelet decomposed phase space reconstruction and self-organizing map. <i>Renewable Energy</i> , 2019 , 140, 17-31	8.1	25
156	. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 5260-5272	10.7	24
155	Dynamic energy conversion and management strategy for an integrated electricity and natural gas system with renewable energy: Deep reinforcement learning approach. <i>Energy Conversion and Management</i> , 2020 , 220, 113063	10.6	24
154	An approach for sustainable energy planning towards 100 % electrification of Nigeria by 2030. <i>Energy</i> , 2020 , 197, 117172	7.9	24
153	Optimal operation of a wind-electrolytic hydrogen storage system in the electricity/hydrogen markets. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 24412-24423	6.7	24
152	Adaptive voltage control strategy for variable-speed wind turbine connected to a weak network. <i>IET Renewable Power Generation</i> , 2016 , 10, 238-249	2.9	23
151	Optimised power dispatch strategy for offshore wind farms. <i>IET Renewable Power Generation</i> , 2016 , 10, 399-409	2.9	23
150	Coordinated control strategy for hybrid wind farms with DFIG-based and PMSG-based wind farms during network unbalance. <i>Renewable Energy</i> , 2017 , 105, 748-763	8.1	22
149	Bidding strategy for trading wind energy and purchasing reserve of wind power producer [A DRL based approach. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 117, 105648	5.1	21
148	Electrification and renewable energy nexus in developing countries; an overarching analysis of hydrogen production and electric vehicles integrality in renewable energy penetration. <i>Energy Conversion and Management</i> , 2021 , 236, 114023	10.6	21
147	Overall Optimization for Offshore Wind Farm Electrical System. <i>Wind Energy</i> , 2017 , 20, 1017-1032	3.4	19
146	Flicker mitigation strategy for a doubly fed induction generator by torque control. <i>IET Renewable Power Generation</i> , 2014 , 8, 91-99	2.9	19
145	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 7350-7361	8.9	19
144	A data-driven approach for designing STATCOM additional damping controller for wind farms. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 117, 105620	5.1	18
143	Optimizing the layout of onshore wind farms to minimize noise. <i>Applied Energy</i> , 2020 , 267, 114896	10.7	17
142	Scheduling of wind-battery hybrid system in the electricity market using distributionally robust optimization. <i>Renewable Energy</i> , 2020 , 156, 47-56	8.1	17
141	An Imbalance Fault Detection Algorithm for Variable-Speed Wind Turbines: A Deep Learning Approach. <i>Energies</i> , 2019 , 12, 2764	3.1	16

140	Flicker Mitigation by Speed Control of Permanent Magnet Synchronous Generator Variable-Speed Wind Turbines. <i>Energies</i> , 2013 , 6, 3807-3821	3.1	16
139	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	10.6	16
138	Improved probabilistic load flow method based on D-vine copulas and Latin hypercube sampling in distribution network with multiple wind generators. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 893-899	2.5	14
137	Steady-state and process modeling of a novel wind-biomass comprehensive energy system: An energy conservation, exergy and performance analysis. <i>Energy Conversion and Management</i> , 2020 , 220, 113139	10.6	14
136	Ensuring profitability of retailers via Shapley Value based demand response. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 108, 72-85	5.1	14
135	Imbalance fault detection based on the integrated analysis strategy for variable-speed wind turbines. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 116, 105570	5.1	14
134	Attention Enabled Multi-Agent DRL for Decentralized Volt-VAR Control of Active Distribution System Using PV Inverters and SVCs. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 1582-1592	8.2	14
133	A Computational Attractive Interval Power Flow Approach With Correlated Uncertain Power Injections. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 825-828	7	13
132	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	7.2	13
131	Optimized Operation of Hybrid System Integrated With MHP, PV and PHS Considering Generation/Load Similarity. <i>IEEE Access</i> , 2019 , 7, 107793-107804	3.5	12
130	Effect of Tower Shadow and Wind Shear in a Wind Farm on AC Tie-Line Power Oscillations of Interconnected Power Systems. <i>Energies</i> , 2013 , 6, 6352-6372	3.1	12
129	Review of Reactive Power Dispatch Strategies for Loss Minimization in a DFIG-based Wind Farm. <i>Energies</i> , 2017 , 10, 856	3.1	11
128	Novel Data-Driven Approach Based on Capsule Network for Intelligent Multi-Fault Detection in Electric Motors. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 36, 2173-2184	5.4	11
127	Optimized Placement of Onshore Wind Farms Considering Topography. <i>Energies</i> , 2019 , 12, 2944	3.1	10
126	Development of a 120 Hz 110? ultra-high-definition a-Si liquid crystal display panel. <i>Journal of Information Display</i> , 2014 , 15, 77-80	4.1	10
125	Active power dispatch optimization for offshore wind farms considering fatigue distribution. <i>Renewable Energy</i> , 2020 , 151, 1173-1185	8.1	10
124	Risk management strategy for a renewable power supply system in commercial buildings considering thermal comfort and stochastic electric vehicle behaviors. <i>Energy Conversion and Management</i> , 2021 , 230, 113831	10.6	10
123	. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 4137-4150	10.7	10

122	Transition pathways towards a deep decarbonization energy system—a case study in Sichuan, China. <i>Applied Energy</i> , 2021 , 302, 117507	10.7	10
121	An Improved Droop Control Method for Multi-Terminal VSC-HVDC Converter Stations. <i>Energies</i> , 2017 , 10, 843	3.1	9
120	Three Reference Frame Control Scheme of 4 wire Grid-connected Inverter for Micro Grid Under Unbalanced Grid Voltage Conditions 2009 ,		9
119	An efficient experimental method for high power direct drive wind energy conversion systems 2008 ,		9
118	Environmental impact of hydrogen production from Southwest China's hydro power water abandonment control. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 25587-25598	6.7	9
117	Design method of LM thin flange wheel profile based on NURBS. <i>Vehicle System Dynamics</i> , 2021 , 59, 17-328		9
116	Economic feasibility of a wind-battery system in the electricity market with the fluctuation penalty. <i>Journal of Cleaner Production</i> , 2020 , 271, 122513	10.3	8
115	Stabilization of Time-Delayed Power System With Combined Frequency-Domain IQC and Time-Domain Dissipation Inequality. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 5531-5541	7	8
114	A proposed flicker mitigation scheme of DFIG in weak distribution networks. <i>AEJ - Alexandria Engineering Journal</i> , 2019 , 58, 677-687	6.1	8
113	Loss minimizing operation of doubly fed induction generator based wind generation systems considering reactive power provision 2014 ,		8
112	The Relationship Between Electricity Price and Wind Power Generation in Danish Electricity Markets 2010 ,		8
111	Optimal Load Response to Time-of-Use Power Price for Demand Side Management in Denmark 2010 ,		8
110	Soft actor-critic Based multi-objective optimized energy conversion and management strategy for integrated energy systems with renewable energy. <i>Energy Conversion and Management</i> , 2021 , 243, 114381	10.6	8
109	Risk-based scheduling of an off-grid hybrid electricity/hydrogen/gas/ refueling station powered by renewable energy. <i>Journal of Cleaner Production</i> , 2021 , 315, 128155	10.3	8
108	Improved control strategies for a DFIG-based wind-power generation system with SGSC under unbalanced and distorted grid voltage conditions. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 77, 185-196	5.1	7
107	Implementation of repowering optimization for an existing photovoltaic-pumped hydro storage hybrid system: A case study in Sichuan, China. <i>International Journal of Energy Research</i> , 2019 , 43, 8463	4.5	7
106	Reactive power dispatch for loss minimization of a Doubly fed induction generator based wind farm 2014 ,		7
105	Optimal operation strategy of battery energy storage system to real-time electricity price in Denmark 2010 ,		7

104	Optimal power dispatch strategy of onshore wind farms considering environmental impact. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 116, 105548	5.1	7
103	Floquet-Theory-Based Small-Signal Stability Analysis of Single-Phase Asymmetric Multilevel Inverters With SRF Voltage Control. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3221-3241	7.2	7
102	Study on the economic benefits of retired electric vehicle batteries participating in the electricity markets. <i>Journal of Cleaner Production</i> , 2021 , 286, 125414	10.3	7
101	Unified Modeling and Analysis of Dynamic Power Coupling for Grid-Forming Converters. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	7
100	Nonlinear Virtual Inertia Control of WTGs for Enhancing Primary Frequency Response and Suppressing Drivetrain Torsional Oscillations. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 4102-4113	7	7
99	A novel deep reinforcement learning enabled sparsity promoting adaptive control method to improve the stability of power systems with wind energy penetration. <i>Renewable Energy</i> , 2021 , 178, 363-376	8.1	7
98	Enhanced Control for a Direct-driven Permanent Synchronous Generator Wind-power Generation System with Flywheel Energy Storage Unit Under Unbalanced Grid Fault. <i>Electric Power Components and Systems</i> , 2015 , 43, 982-994	1	6
97	Speed and Position Sensorless Control for Dual-Three-Phase PMSM Drives 2009 ,		6
96	Gaussian Process Kernel Transfer Enabled Method for Electric Machines Intelligent Faults Detection with Limited Samples. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	6
95	Deep Reinforcement Learning Based Approach for Optimal Power Flow of Distribution Networks Embedded with Renewable Energy and Storage Devices. <i>Journal of Modern Power Systems and Clean Energy</i> , 2021 , 9, 1101-1110	4	6
94	Guest Editorial for the Special Section on Enabling Very High Penetration Renewable Energy Integration Into Future Power Systems. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 3223-3226	7	5
93	Optimal active and reactive power cooperative dispatch strategy of wind farm considering levelised production cost minimisation. <i>Renewable Energy</i> , 2020 , 148, 113-123	8.1	5
92	. <i>IEEE Industrial Electronics Magazine</i> , 2020 , 14, 46-64	6.2	5
91	Enhanced design of an offgrid PV-battery-methanation hybrid energy system for power/gas supply. <i>Renewable Energy</i> , 2021 , 167, 440-456	8.1	5
90	RL-ANN Based Minimum-Current-Stress Scheme for the Dual Active Bridge Converter with Triple-Phase-Shift Control. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	5
89	The Primary Frequency Control Method of Tidal Turbine Based on Pitch Control. <i>Energy Procedia</i> , 2018 , 145, 199-204	2.3	5
88	Look-ahead risk-constrained scheduling for an energy hub integrated with renewable energy. <i>Applied Energy</i> , 2021 , 297, 117109	10.7	5
87	Optimal Investment Strategies for Solar Energy Based Systems. <i>Energies</i> , 2019 , 12, 2826	3.1	4

86	Optimal operation and location of heat pumps in the integrated energy systems 2017 ,		4
85	A novel energy yields calculation method for irregular wind farm layout 2015 ,		4
84	An Improved DC-Link Voltage Control Method for Multiple Grid Connected Converter in Direct Drive Wind Power Generation System 2009 ,		4
83	Deep Reinforcement Learning-Aided Efficiency Optimized Dual Active Bridge Converter for the Distributed Generation System. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	4
82	Model-free voltage control of active distribution system with PVs using surrogate model-based deep reinforcement learning. <i>Applied Energy</i> , 2022 , 306, 117982	10.7	4
81	Quantitative Assessment of Stochastic Property of Network-Induced Time Delay in Smart Substation Cyber Communications. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2407-2416	10.7	4
80	Vibration Reduction Controller for a Switched Reluctance Machine Based on HW/SW Partitioning. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 3879-3889	11.9	4
79	Deep Reinforcement Learning Enabled Physical-Model-Free Two-Timescale Voltage Control Method for Active Distribution Systems. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	4
78	Tolerant Control of Voltage Signal Fault for Converter Station Based Multi-Terminal HVDC Systems. <i>IEEE Access</i> , 2019 , 7, 48175-48184	3.5	3
77	. <i>IEEE Systems Journal</i> , 2020 , 14, 3082-3092	4.3	3
76	Hybrid mode control for wide range soft-switched full-bridge converter with auxiliary parallel inductor networks. <i>IET Power Electronics</i> , 2019 , 12, 1670-1678	2.2	3
75	Wind farm active power dispatch for output power maximizing based on a wind turbine control strategy for load minimizing 2015 ,		3
74	Offshore wind farm cable connection configuration optimization using Dynamic Minimum Spanning Tree algorithm 2015 ,		3
73	A Multi-agent Deep Reinforcement Learning-Based Approach for the Optimization of Transformer Life Using Coordinated Electric Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2022 , 1-1	11.9	3
72	Artificial intelligence based approach to improve the frequency control in hybrid power system. <i>Energy Reports</i> , 2020 , 6, 174-181	4.6	3
71	Probabilistic load flow computation considering dependence of wind powers and using quasi-Monte Carlo method with truncated regular vine copula. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12646	2.2	3
70	Dynamic state estimation of power system with stochastic delay based on neural network. <i>Energy Reports</i> , 2021 , 7, 159-166	4.6	3
69	Thermal Optimization Strategy Based on Second-Order Harmonic Circulating Current Injection for MMCs. <i>IEEE Access</i> , 2021 , 9, 80183-80196	3.5	3

68	Design and Application of Big Data Platform Architecture for Typical Scenarios of Power System 2018,		3
67	Flexibility enhancement measures under the COVID-19 pandemic - A preliminary comparative analysis in Denmark, the Netherlands, and Sichuan of China. <i>Energy</i> , 2022 , 239, 122166	7.9	3
66	Mechanism Analysis and Real-time Control of Energy Storage Based Grid Power Oscillation Damping: A Soft Actor-Critic Approach. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 1915-1926	8.2	3
65	Adaptive synergistic control strategy for a hybrid AC/DC microgrid during normal operation and contingencies. <i>Applied Energy</i> , 2021 , 304, 117756	10.7	3
64	Spatio-Temporal Correlation-Based False Data Injection Attack Detection Using Deep Convolutional Neural Network. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	3
63	An extended Kalman filter based SOC estimation method for Li-ion battery. <i>Energy Reports</i> , 2022 , 8, 81-876		3
62	Three-stage relaxation-weightsum-correction based probabilistic reactive power optimization in the distribution network with multiple wind generators. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 141, 108146	5.1	3
61	A Hybrid Cable Connection Structure for Wind Farms With Reliability Consideration. <i>IEEE Access</i> , 2019 , 7, 144398-144407	3.5	2
60	A phase feedforward based virtual synchronous generator control scheme 2018,		2
59	A Dynamic Programming based method for optimizing power system restoration with high wind power penetration 2016,		2
58	Smart Micro-Grid: An Immediate Solution to Nigeria's Power Sector Crisis 2019,		2
57	A simple PV inverter power factor control method based on solar irradiance variation 2017,		2
56	A novel technique to enhance demand responsiveness: An EV based test case 2015,		2
55	A strategy of minimising wind power curtailment by considering operation capacity credit 2015,		2
54	Research of smart grid cyber architecture and standards deployment with high adaptability for Security Monitoring 2015,		2
53	2014,		2
52	2012,		2
51	Modeling and control of zero-sequence current in multiple grid connected converter. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008,		2

50	Deep Reinforcement Learning-based Approach for Online Tuning SMES Damping Controller Parameters 2020 ,		2
49	Economical operation strategy of an integrated energy system with wind power and power to gas technology via DRL-based approach. <i>IET Renewable Power Generation</i> , 2020 , 14, 3292-3299	2.9	2
48	Robust chance-constrained gas management for a standalone gas supply system based on wind energy. <i>Energy</i> , 2020 , 212, 118723	7.9	2
47	Uncertainty analysis and robust control of fuel delivery systems considering nitrogen crossover phenomenon. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 32367-32387	6.7	2
46	The integrated control strategy for primary frequency control of DFIGs based on virtual inertia and pitch control 2016 ,		2
45	A wind farm active power dispatch strategy for fatigue load reduction 2016 ,		2
44	A Preprocessing Method for Gait Recognition. <i>Communications in Computer and Information Science</i> , 2016 , 77-86	0.3	2
43	Optimal Utilization of Reactive Power Capability of DFIG Based Wind Turbine by the Improved GRG Method 2019 ,		2
42	A Novel Belief Function Based Framework for UOPF With Multiprobability-Characterized and Knowledge Deficient Power Sources. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 3153-3164	11.9	2
41	Robust Deep Gaussian Process-based Probabilistic Electrical Load Forecasting against Anomalous Events. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	2
40	An Adaptive Control Strategy for Virtual Synchronous Generator to Damp Power System Low Frequency Oscillation 2020 ,		1
39	Optimization of decommission strategy for offshore wind farms 2016 ,		1
38	Shapley Value based Customers Voluntary Demand Response Program: A Stackelberg Game Approach 2019 ,		1
37	Review of power system stability with high wind power penetration 2015 ,		1
36	Stochastic optimal regulation service strategy for a wind farm participating in the electricity market 2015 ,		1
35	Development of distributed simulation platform for power systems and wind farms 2015 ,		1
34	Offshore substation locating in wind farms based on prim algorithm 2015 ,		1
33	Comparative study between two market clearing schemes in wind dominant electricity markets. <i>IET Generation, Transmission and Distribution</i> , 2015 , 9, 2215-2223	2.5	1

32	Optimal selection of AC cables for large scale offshore wind farms 2014 ,		1
31	2012 ,		1
30	Optimal operation of electric vehicles in competitive electricity markets and its impact on distribution power systems 2011 ,		1
29	Impact of wind shear and tower shadow effects on power system with large scale wind power penetration 2011 ,		1
28	Dual-active-bridge DCDC converter with auxiliary parallel networks for wide load range ZVZCS application. <i>IET Power Electronics</i> , 2020 , 13, 2569-2579	2.2	1
27	Short-term load forecasting based on LSTNet in power system. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e13164	2.2	1
26	Small-signal modelling of AC/MTDC hybrid power systems using Multi-Layer Component Connection Method. <i>Energy Reports</i> , 2020 , 6, 1033-1040	4.6	1
25	Coordination Control of a Novel Wind Farm Configuration Including a Hydrogen Storage System and a Gas Turbine. <i>Energies</i> , 2016 , 9, 535	3.1	1
24	Operational optimization of wind energy based hydrogen storage system considering electricity market's influence 2016 ,		1
23	Modeling of wind farm combined with PEM electrolyzer and combustion turbine 2016 ,		1
22	A novel reactive power control strategy for distribution grids with large scale rooftop PV systems 2018 ,		1
21	Cable Connection Scheme Optimization for Offshore Wind Farm Considering Wake Effect 2018 ,		1
20	A Contribution to the Development of High-Voltage dc Circuit Breaker Technologies: A Review of New Considerations. <i>IEEE Industrial Electronics Magazine</i> , 2021 , 2-19	6.2	1
19	Phase Feedforward Damping Control Method for Virtual Synchronous Generators. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	1
18	Analysis and Improvement of Large-disturbance Stability for Grid-connected VSG Based on Output Impedance Optimization. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	1
17	EV Charging Strategy Considering Transformer Lifetime Via Evolutionary Curriculum Learning-based Multi-agent Deep Reinforcement Learning. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	1
16	A 2030 and 2050 feasible/sustainable decarbonization perusal for China's Sichuan Province: A deep carbon neutrality analysis and EnergyPLAN. <i>Energy Conversion and Management</i> , 2022 , 261, 115605	10.6	1
15	Optimal operational strategy for a future electricity and hydrogen supply system in a residential area. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 4426-4440	6.7	0

14	Robust energy management for an on-grid hybrid hydrogen refueling and battery swapping station based on renewable energy. <i>Journal of Cleaner Production</i> , 2021 , 331, 129954	10.3	o
13	A Deep Q-Network based optimized modulation scheme for Dual-Active-Bridge converter to reduce the RMS current. <i>Energy Reports</i> , 2020 , 6, 1192-1198	4.6	o
12	Robust Nonlinear Controller to Damp Drivetrain Torsional Oscillation of Wind Turbine Generators. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 1336-1346	8.2	o
11	Small-signal modeling of wind farm with direct-drive PMSG using the component connection method. <i>Energy Reports</i> , 2021 , 7, 334-342	4.6	o
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