

S M Muyeen

List of Publications by Year in descending order

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306
papers

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312
all docs

312
docs citations

312
times ranked

5701
citing authors

#	ARTICLE	IF	CITATIONS
1	\$LCL\$ Filter Design and Performance Analysis for Grid-Interconnected Systems. IEEE Transactions on Industry Applications, 2014, 50, 1225-1232.	3.3	530
2	Enhancing smart grid with microgrids: Challenges and opportunities. Renewable and Sustainable Energy Reviews, 2017, 72, 205-214.	8.2	343
3	A Variable Speed Wind Turbine Control Strategy to Meet Wind Farm Grid Code Requirements. IEEE Transactions on Power Systems, 2010, 25, 331-340.	4.6	319
4	Blockchain Applications in Smart Gridâ€“Review and Frameworks. IEEE Access, 2019, 7, 86746-86757.	2.6	223
5	Microgrid Transactive Energy: Review, Architectures, Distributed Ledger Technologies, and Market Analysis. IEEE Access, 2020, 8, 19410-19432.	2.6	223
6	Wind Farms Fault Ride Through Using DFIG With New Protection Scheme. IEEE Transactions on Sustainable Energy, 2012, 3, 242-254.	5.9	198
7	Operation and Control of HVDC-Connected Offshore Wind Farm. IEEE Transactions on Sustainable Energy, 2010, 1, 30-37.	5.9	195
8	Comparative study on transient stability analysis of wind turbine generator system using different drive train models. IET Renewable Power Generation, 2007, 1, 131.	1.7	187
9	Design Optimization of Controller Parameters Used in Variable Speed Wind Energy Conversion System by Genetic Algorithms. IEEE Transactions on Sustainable Energy, 2012, 3, 200-208.	5.9	150
10	Integration of an Energy Capacitor System With a Variable-Speed Wind Generator. IEEE Transactions on Energy Conversion, 2009, 24, 740-749.	3.7	145
11	Wind Turbine Gearbox Anomaly Detection Based on Adaptive Threshold and Twin Support Vector Machines. IEEE Transactions on Energy Conversion, 2021, 36, 3462-3469.	3.7	100
12	Robust Control Scheme for Distributed Battery Energy Storage Systems in Load Frequency Control. IEEE Transactions on Power Systems, 2020, 35, 4781-4791.	4.6	98
13	Transformation of microgrid to virtual power plant â€“ a comprehensive review. IET Generation, Transmission and Distribution, 2019, 13, 1994-2005.	1.4	97
14	Transient Stability Augmentation of Power System Including Wind Farms by Using ECS. IEEE Transactions on Power Systems, 2008, 23, 1179-1187.	4.6	96
15	Methods for Advanced Wind Turbine Condition Monitoring and Early Diagnosis: A Literature Review. Energies, 2018, 11, 1309.	1.6	95
16	Towards next generation virtual power plant: Technology review and frameworks. Renewable and Sustainable Energy Reviews, 2021, 150, 111358.	8.2	95
17	Harmony Search Algorithm-Based Controller Parameters Optimization for a Distributed-Generation System. IEEE Transactions on Power Delivery, 2015, 30, 246-255.	2.9	94
18	A Taguchi Approach for Optimum Design of Proportional-Integral Controllers in Cascaded Control Scheme. IEEE Transactions on Power Systems, 2013, 28, 1636-1644.	4.6	92

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19	Low voltage ride through capability enhancement of wind turbine generator system during network disturbance. IET Renewable Power Generation, 2009, 3, 65.	1.7	88
20	A Bayesian Algorithm to Enhance the Resilience of WAMS Applications Against Cyber Attacks. IEEE Transactions on Smart Grid, 2016, 7, 2026-2037.	6.2	88
21	Parameter Estimation of Three Diode Photovoltaic Model Using Grasshopper Optimization Algorithm. Energies, 2020, 13, 497.	1.6	88
22	Peer-to-Peer Energy Trading in Virtual Power Plant Based on Blockchain Smart Contracts. IEEE Access, 2020, 8, 175713-175726.	2.6	87
23	Benchmarking of Stability and Robustness Against Grid Impedance Variation for <i>LCL</i> -Filtered Grid-Interfacing Inverters. IEEE Transactions on Power Electronics, 2018, 33, 9033-9046.	5.4	86
24	A Prediction Algorithm to Enhance Grid Resilience Toward Cyber Attacks in WAMCS Applications. IEEE Systems Journal, 2019, 13, 710-719.	2.9	81
25	Transient stability enhancement of wind farms connected to a multi-machine power system by using an adaptive ANN-controlled SMES. Energy Conversion and Management, 2014, 78, 412-420.	4.4	79
26	Offset-Free Direct Power Control of DFIG Under Continuous-Time Model Predictive Control. IEEE Transactions on Power Electronics, 2017, 32, 2265-2277.	5.4	78
27	Speed control of grid-connected switched reluctance generator driven by variable speed wind turbine using adaptive neural network controller. Electric Power Systems Research, 2012, 84, 206-213.	2.1	74
28	Variable speed wind turbine generator system with current controlled voltage source inverter. Energy Conversion and Management, 2011, 52, 2688-2694.	4.4	73
29	Experimental Validation of a Robust Continuous Nonlinear Model Predictive Control Based Grid-Interlinked Photovoltaic Inverter. IEEE Transactions on Industrial Electronics, 2016, 63, 4495-4505.	5.2	70
30	A Robust Continuous-Time MPC of a DC-DC Boost Converter Interfaced With a Grid-Connected Photovoltaic System. IEEE Journal of Photovoltaics, 2016, 6, 1619-1629.	1.5	68
31	Reduction of frequency fluctuation for wind farm connected power systems by an adaptive artificial neural network controlled energy capacitor system. IET Renewable Power Generation, 2012, 6, 226.	1.7	62
32	Modeling and Control Strategies of Fuzzy Logic Controlled Inverter System for Grid Interconnected Variable Speed Wind Generator. IEEE Systems Journal, 2013, 7, 817-824.	2.9	62
33	Microgrid Fault Detection and Classification: Machine Learning Based Approach, Comparison, and Reviews. Energies, 2020, 13, 3460.	1.6	60
34	Transient stability enhancement of a grid-connected wind farm using an adaptive neuro-fuzzy controlled flywheel energy storage system. IET Renewable Power Generation, 2015, 9, 792-800.	1.7	57
35	Smoothing of Wind Farm Output by Prediction and Supervisory-Control-Unit-Based FESS. IEEE Transactions on Sustainable Energy, 2013, 4, 925-933.	5.9	56
36	Coordination of Heat Pumps, Electric Vehicles and AGC for Efficient LFC in a Smart Hybrid Power System via SCA-Based Optimized FOPID Controllers. Energies, 2018, 11, 420.	1.6	56

#	ARTICLE	IF	CITATIONS
37	Direct Connection of Supercapacitorâ€“Battery Hybrid Storage System to the Grid-Tied Photovoltaic System. IEEE Transactions on Sustainable Energy, 2019, 10, 1370-1379.	5.9	55
38	Rooftop Solar PV Penetration Impacts on Distribution Network and Further Growth Factorsâ€”A Comprehensive Review. Electronics (Switzerland), 2021, 10, 55.	1.8	55
39	Learning-Based Methods for Cyber Attacks Detection in IoT Systems: A Survey on Methods, Analysis, and Future Prospects. Electronics (Switzerland), 2022, 11, 1502.	1.8	54
40	Application of energy capacitor system to wind power generation. Wind Energy, 2008, 11, 335-350.	1.9	52
41	Design and Implementation of a Nonlinear PI Predictive Controller for a Grid-Tied Photovoltaic Inverter. IEEE Transactions on Industrial Electronics, 2017, 64, 1241-1250.	5.2	52
42	Optimisation of controller parameters for gridâ€“tied photovoltaic system at faulty network using artificial neural networkâ€“based cuckoo search algorithm. IET Renewable Power Generation, 2017, 11, 1517-1526.	1.7	52
43	Affine projection algorithm based adaptive control scheme for operation of variableâ€“speed wind generator. IET Generation, Transmission and Distribution, 2015, 9, 2611-2616.	1.4	51
44	An intelligent coordinator design for GCSC and AGC in a two-area hybrid power system. Applied Soft Computing Journal, 2019, 76, 491-504.	4.1	51
45	Application of STATCOM/BESS for wind power smoothening and hydrogen generation. Electric Power Systems Research, 2009, 79, 365-373.	2.1	50
46	Experimental Validation of a Novel PI Speed Controller for AC Motor Drives With Improved Transient Performances. IEEE Transactions on Control Systems Technology, 2018, 26, 1414-1421.	3.2	49
47	Wind Generator Output Power Smoothing and Terminal Voltage Regulation by Using STATCOM/ESS. , 2007, , .		48
48	Automatic Generation Control Incorporating Electric Vehicles. Electric Power Components and Systems, 2019, 47, 720-732.	1.0	47
49	Centralized power control strategy for AC-DC hybrid micro-grid system using multi-converter scheme. , 2011, , .		46
50	Transient Stability Enhancement of Wind Generator by a New Logical Pitch Controller. IEEE Transactions on Power and Energy, 2006, 126, 742-752.	0.1	45
51	Stabilization of Wind Turbine Generator System by STATCOM. IEEE Transactions on Power and Energy, 2006, 126, 1073-1082.	0.1	45
52	Low-voltage ride-through techniques for DFIG-based wind turbines: state-of-the-art review and future trends. , 2013, , .		45
53	A Combined Approach of Using an SDBR and a STATCOM to Enhance the Stability of a Wind Farm. IEEE Systems Journal, 2015, 9, 922-932.	2.9	45
54	A Secured Advanced Management Architecture in Peer-to-Peer Energy Trading for Multi-Microgrid in the Stochastic Environment. IEEE Access, 2021, 9, 92083-92100.	2.6	45

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55	Stability Augmentation of a Grid-connected Wind Farm. <i>Green Energy and Technology</i> , 2009, , .	0.4	44
56	Electrolyzer switching strategy for hydrogen generation from variable speed wind generator. <i>Electric Power Systems Research</i> , 2011, 81, 1171-1179.	2.1	44
57	Risk-constrained stochastic optimal allocation of energy storage system in virtual power plants. <i>Journal of Energy Storage</i> , 2020, 31, 101732.	3.9	44
58	On the resilience of modern power systems: A comprehensive review from the cyber-physical perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111642.	8.2	44
59	A deep learning based intelligent approach in detection and classification of transmission line faults. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 133, 107102.	3.3	44
60	Transient Stability Analysis of Wind Generator System with the Consideration of Multi-Mass Shaft Model. , 0, , .		43
61	Low voltage ride through capability enhancement of grid connected large scale photovoltaic system. , 2011, , .		43
62	A Novel Application of Improved Marine Predators Algorithm and Particle Swarm Optimization for Solving the ORPD Problem. <i>Energies</i> , 2020, 13, 5679.	1.6	42
63	Transient Stability Analysis of Grid Connected Wind Turbine Generator System Considering Multi-Mass Shaft Modeling. <i>Electric Power Components and Systems</i> , 2006, 34, 1121-1138.	1.0	41
64	Time-Delay Analysis of Wide-Area Voltage Control Considering Smart Grid Contingences in a Real-Time Environment. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 1242-1252.	7.2	41
65	Optimal planning of clustered microgrid using a technique of cooperative game theory. <i>Electric Power Systems Research</i> , 2020, 183, 106262.	2.1	41
66	Disturbance Observer Based Fractional-Order Integral Sliding Mode Frequency Control Strategy for Interconnected Power System. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 5922-5932.	4.6	41
67	Stabilization of Grid Connected Wind Generator by STATCOM. , 0, , .		39
68	LCL filter design and performance analysis for small wind turbine systems. , 2012, , .		39
69	Transient stability analysis of permanent magnet variable speed synchronous wind generator. , 2007, , .		38
70	Denial-of-Service Attack on IEC 61850-Based Substation Automation System: A Crucial Cyber Threat towards Smart Substation Pathways. <i>Sensors</i> , 2021, 21, 6415.	2.1	37
71	Communication Systems in Distributed Generation: A Bibliographical Review and Frameworks. <i>IEEE Access</i> , 2020, 8, 207226-207239.	2.6	36
72	RTDS implementation of an improved sliding mode based inverter controller for PV system. <i>ISA Transactions</i> , 2016, 62, 50-59.	3.1	34

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73	Continuous-time model predictive control of a permanent magnet synchronous motor drive with disturbance decoupling. IET Electric Power Applications, 2017, 11, 697-706.	1.1	34
74	Salp swarm algorithm-based optimal control scheme for LVRT capability improvement of grid-connected photovoltaic power plants: design and experimental validation. IET Renewable Power Generation, 2020, 14, 591-599.	1.7	34
75	Disturbance Observer and Tube-Based Model Predictive Controlled Electric Vehicles for Frequency Regulation of an Isolated Power Grid. IEEE Transactions on Smart Grid, 2021, 12, 4351-4362.	6.2	34
76	A critical review and performance comparisons of swarm-based optimization algorithms in maximum power point tracking of photovoltaic systems under partial shading conditions. Energy Reports, 2022, 8, 4871-4898.	2.5	34
77	Machine learning for cybersecurity in smart grids: A comprehensive review-based study on methods, solutions, and prospects. International Journal of Critical Infrastructure Protection, 2022, 38, 100547.	2.9	34
78	Smoothing control of wind generator output fluctuations by PWM voltage source converter and chopper controlled SMES. European Transactions on Electrical Power, 2011, 21, 680-697.	1.0	33
79	A Design Fuzzy Logic Controller for a Permanent Magnet Wind Generator to Enhance the Dynamic Stability of Wind Farms. Applied Sciences (Switzerland), 2012, 2, 780-800.	1.3	33
80	Data-driven spatial-temporal prediction of electric vehicle load profile considering charging behavior. Electric Power Systems Research, 2020, 187, 106469.	2.1	33
81	Day-Ahead Optimization of Prosumer Considering Battery Depreciation and Weather Prediction for Renewable Energy Sources. Applied Sciences (Switzerland), 2020, 10, 2774.	1.3	33
82	Particle Swarm Optimization-based Superconducting Magnetic Energy Storage for Low-voltage Ride-through Capability Enhancement in Wind Energy Conversion System. Electric Power Components and Systems, 2015, 43, 1278-1288.	1.0	32
83	Testing the Performance of Battery Energy Storage in a Wind Energy Conversion System. IEEE Transactions on Industry Applications, 2020, 56, 3196-3206.	3.3	32
84	Multi-Agent Systems in ICT Enabled Smart Grid: A Status Update on Technology Framework and Applications. IEEE Access, 2019, 7, 97959-97973.	2.6	30
85	Energy Sustainability—Survey on Technology and Control of Microgrid, Smart Grid and Virtual Power Plant. IEEE Access, 2021, 9, 104663-104694.	2.6	30
86	Bidirectional Charging in V2G Systems: An In-Cell Variation Analysis of Vehicle Batteries. IEEE Systems Journal, 2020, 14, 3665-3675.	2.9	29
87	An Insight into Practical Solutions for Electric Vehicle Charging in Smart Grid. Energies, 2020, 13, 1545.	1.6	29
88	Minimization of fluctuations of output power and terminal voltage of wind generator by using STATCOM/SMES. , 2009, , .		28
89	Optimal sizing of a utility-scale energy storage system in transmission networks to improve frequency response. Journal of Energy Storage, 2020, 29, 101315.	3.9	28
90	An alternative frequency-droop scheme for wind turbines that provide primary frequency regulation via rotor speed control. International Journal of Electrical Power and Energy Systems, 2021, 133, 107219.	3.3	28

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91	A peer-to-peer energy trading for a clustered microgrid â€“ Game theoretical approach. International Journal of Electrical Power and Energy Systems, 2021, 133, 107307.	3.3	27
92	Bibliographic review on power system oscillations damping: An era of conventional grids and renewable energy integration. International Journal of Electrical Power and Energy Systems, 2022, 136, 107556.	3.3	27
93	Health Monitoring of Li-Ion Battery Systems: A Median Expectation Diagnosis Approach (MEDA). IEEE Transactions on Transportation Electrification, 2015, 1, 94-105.	5.3	26
94	Cyber-Attacks in a Looped Energy-Water Nexus: An Inoculated Sub-Observer-Based Approach. IEEE Systems Journal, 2020, 14, 2054-2065.	2.9	26
95	A Robust Self-Attentive Capsule Network for Fault Diagnosis of Series-Compensated Transmission Line. IEEE Transactions on Power Delivery, 2021, 36, 3846-3857.	2.9	26
96	Maximizing the Economic Benefits of a Grid-Tied Microgrid Using Solar-Wind Complementarity. Energies, 2019, 12, 395.	1.6	25
97	A data-mining based optimal demand response program for smart home with energy storages and electric vehicles. Journal of Energy Storage, 2021, 36, 102407.	3.9	25
98	Development of a four phase floating interleaved boost converter for photovoltaic systems. , 2014, , .		24
99	Designing smart inverter with unified controller and smooth transition between grid-connected and islanding modes for microgrid application. , 2015, , .		24
100	Stability Augmentation of a Grid-Connected Wind Farm by Fuzzy-Logic-Controlled DFIG-Based Wind Turbines. Applied Sciences (Switzerland), 2018, 8, 20.	1.3	24
101	Faults and Fault Ride Through strategies for grid-connected photovoltaic system: A comprehensive review. Renewable and Sustainable Energy Reviews, 2022, 158, 112125.	8.2	24
102	A comparative analysis to forecast carbon dioxide emissions. Energy Reports, 2022, 8, 8046-8060.	2.5	24
103	Model Predictive-Based Secondary Frequency Control Considering Heat Pump Water Heaters. Energies, 2019, 12, 411.	1.6	23
104	Control Methods for Standalone and Grid Connected Micro-Hydro Power Plants With Synthetic Inertia Frequency Support: A Comprehensive Review. IEEE Access, 2020, 8, 176313-176329.	2.6	23
105	Coordination between Demand Response Programming and Learning-Based FOPID Controller for Alleviation of Frequency Excursion of Hybrid Microgrid. Energies, 2020, 13, 442.	1.6	23
106	On the Contribution of Wind Farms in Automatic Generation Control: Review and New Control Approach. Applied Sciences (Switzerland), 2018, 8, 1848.	1.3	22
107	Direct Probabilistic Load Flow in Radial Distribution Systems Including Wind Farms: An Approach Based on Data Clustering. Energies, 2018, 11, 310.	1.6	22
108	A state-of-the-art review on wind power converter fault diagnosis. Energy Reports, 2022, 8, 5341-5369.	2.5	22

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109	Transient stability enhancement of variable speed wind turbine driven PMSG with rectifier-boost converter-inverter. , 2008, , .		21
110	Monitoring of renewable energy systems by IoT-aided SCADA system. Energy Science and Engineering, 2022, 10, 1874-1885.	1.9	21
111	Torque ripple minimization of axial laminations switched reluctance motor provided with digital lead controller. Energy Conversion and Management, 2010, 51, 2402-2406.	4.4	20
112	A new control strategy for smoothing of wind farm output using short-term ahead wind speed prediction and Flywheel energy storage system. , 2012, , .		20
113	Direct power control for grid-connected doubly fed induction generator using disturbance observer based control. Renewable Energy, 2018, 125, 365-372.	4.3	20
114	Artificial Neural Network Based Adaptive Control of Single Phase Dual Active Bridge With Finite Time Disturbance Compensation. IEEE Access, 2019, 7, 112229-112239.	2.6	20
115	Grid Load Reduction through Optimized PV Power Utilization in Intermittent Grids Using a Low-Cost Hardware Platform. Energies, 2019, 12, 1764.	1.6	20
116	Learning adaptive fuzzy droop of PV contribution to frequency excursion of hybrid micro-grid during parameters uncertainties. International Journal of Electrical Power and Energy Systems, 2020, 123, 106305.	3.3	20
117	Wind Farm Stabilization by using DFIG with Current Controlled Voltage Source Converters Taking Grid Codes into Consideration. IEEE Transactions on Power and Energy, 2012, 132, 251-259.	0.1	20
118	Economic Planning and Comparative Analysis of Market-Driven Multi-Microgrid System for Peer-to-Peer Energy Trading. IEEE Transactions on Industry Applications, 2022, 58, 4025-4036.	3.3	20
119	Blade-Shaft Torsional Oscillation Minimization of Wind Turbine Generator System by Using STATCOM/ESS. , 2007, , .		19
120	Damping of Blade-shaft Torsional Oscillations of Wind Turbine Generator System. Electric Power Components and Systems, 2008, 36, 195-211.	1.0	19
121	Operation and control of HVDC stations using continuous mixed μ -norm based adaptive fuzzy technique. IET Generation, Transmission and Distribution, 2017, 11, 2275-2282.	1.4	19
122	Cost-Effective Design of IoT-Based Smart Household Distribution System. Designs, 2021, 5, 55.	1.3	19
123	Adaptive backstepping controller design of quadrotor biplane for payload delivery. IET Intelligent Transport Systems, 2022, 16, 1738-1752.	1.7	19
124	Application of self-tuning FPIC to AGC for load frequency control in multi-area power system. , 2009, , .		18
125	New controller design for PMSG based wind generator with LCL-filter considered. , 2012, , .		18
126	Gravitational Search Algorithm-based Photovoltaic Array Reconfiguration for Partial Shading Losses Reduction. , 2016, , .		18

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127	Stabilization of Wind Farms Connected with Multi Machine Power System by Using STATCOM. , 2007, , .		17
128	Multi-functional double mode inverter for power quality enhancement in smart-grid applications. , 2016, , .		17
129	Grid-voltage-feedforward active damping for grid-connected inverter with LCL filter. , 2016, , .		17
130	Compressive System Identification for Multiple Line Outage Detection in Smart Grids. IEEE Transactions on Industry Applications, 2019, 55, 4462-4473.	3.3	17
131	A multi-objective optimization for planning of networked microgrid using a game theory for peer-to-peer energy trading scheme. IET Generation, Transmission and Distribution, 2021, 15, 3423-3434.	1.4	17
132	Effective dispatch strategies assortment according to the effect of the operation for an islanded hybrid microgrid. Energy Conversion and Management: X, 2022, 14, 100192.	0.9	17
133	Improvement of load frequency control with fuzzy gain scheduled superconducting magnetic energy storage unit. , 2008, , .		16
134	Speed control of permanent magnet excitation transverse flux linear motor by using adaptive neuro-fuzzy controller. Energy Conversion and Management, 2010, 51, 2762-2768.	4.4	16
135	Application of SDBR with DFIG to augment wind farm fault ride through. , 2011, , .		16
136	Protection schemes for DFIG considering rotor current and DC-link voltage. , 2011, , .		16
137	Power management of hybrid micro-grid system by a generic centralized supervisory control scheme. Sustainable Energy Technologies and Assessments, 2014, 8, 57-65.	1.7	16
138	Potential of data centers for fast frequency response services in synchronously isolated power systems. Renewable and Sustainable Energy Reviews, 2021, 151, 111547.	8.2	16
139	Parameter Estimation of Vehicle Batteries in V2G Systems: An Exogenous Function-Based Approach. IEEE Transactions on Industrial Electronics, 2022, 69, 9535-9546.	5.2	16
140	Optimal Sizing and Assessment of a Renewable Rich Standalone Hybrid Microgrid Considering Conventional Dispatch Methodologies. Sustainability, 2021, 13, 12734.	1.6	16
141	Transient stability enhancement of wind generator using superconducting magnetic energy storage unit. , 2008, , .		15
142	Transient stability enhancement of variable speed permanent magnet wind generator using adaptive PI-Fuzzy controller. , 2011, , .		15
143	Testing and validation of wide-area control of STATCOM using real-time digital simulator with hybrid HIL-SIL configuration. IET Generation, Transmission and Distribution, 2017, 11, 3039-3049.	1.4	15
144	Fuzzy Logic based Virtual Inertia Control of DFIG based Wind Generator for Stability Improvement of Hybrid Power System. IEEE Transactions on Power and Energy, 2018, 138, 733-744.	0.1	15

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145	Primary frequency regulation of the hybrid power system by deloaded PMSCA-based offshore wind farm using centralised droop controller. Journal of Engineering, 2019, 2019, 4950-4954.	0.6	15
146	A Robust Control Method for Damping and Tracking of Secondary Network Voltage of a PV Based Hybrid AC/DC Microgrid. Frontiers in Energy Research, 2020, 7, .	1.2	15
147	Forced oscillation damping controller for an interconnected power system. IET Generation, Transmission and Distribution, 2020, 14, 339-347.	1.4	15
148	Comparative Study on Game-Theoretic Optimum Sizing and Economical Analysis of a Networked Microgrid. Energies, 2019, 12, 4004.	1.6	14
149	A Novel Adaptive Filtering Algorithm Based Parameter Estimation Technique for Photovoltaic System. IEEE Transactions on Energy Conversion, 2022, 37, 286-294.	3.7	14
150	Towards next generation Savonius wind turbine: Artificial intelligence in blade design trends and framework. Renewable and Sustainable Energy Reviews, 2022, 168, 112531.	8.2	14
151	Participation of facts in stabilizing DFIG with crowbar during grid fault based on grid codes. , 2011, , .		13
152	Fuzzy-PI controller design for PM wind generator to improve Fault Ride Through of wind farm. , 2012, , .		13
153	Real-time testing of energy storage systems in renewable energy applications. Sustainable Energy Technologies and Assessments, 2015, 12, 1-9.	1.7	13
154	Offset-free feedback linearisation control of a three-phase grid-connected photovoltaic system. IET Power Electronics, 2016, 9, 1933-1942.	1.5	13
155	Vaccination controllers for SEIR epidemic models based on fractional order dynamics. Biomedical Signal Processing and Control, 2017, 38, 136-142.	3.5	13
156	Performance Enhancement of Self-Cleaning Hydrophobic Nanocoated Photovoltaic Panels in a Dusty Environment. Energies, 2021, 14, 6800.	1.6	13
157	Stability Enhancement of Wind Energy Conversion Systems Based on Optimal Superconducting Magnetic Energy Storage Systems Using the Archimedes Optimization Algorithm. Processes, 2022, 10, 366.	1.3	13
158	Comparative study of wind farm stabilization using variable speed generator and FACTS device. , 2011, , .		12
159	Machine intelligent forecasting based penalty cost minimization in hybrid <scp>wind&battery</scp> farms. International Transactions on Electrical Energy Systems, 2021, 31, e13010.	1.2	12
160	A reliable and cost-effective planning framework of rural area hybrid system considering intelligent weather forecasting. Energy Reports, 2021, 7, 5647-5666.	2.5	12
161	Frequency control of isolated network with wind and diesel generators by using fuzzy logic controller. , 2009, , .		11
162	Low voltage ride-through capability improvement of wind farms using variable speed permanent magnet wind generator. , 2011, , .		11

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163	Real time implementation of STATCOM to analyze transient and dynamic characteristics of wind farm. , 2011, , .		11
164	Effectiveness of Current-controlled Voltage Source Converter Excited Doubly Fed Induction Generator for Wind Farm Stabilization. Electric Power Components and Systems, 2012, 40, 556-574.	1.0	11
165	Fault Ride-through of a Grid-connected Photovoltaic System with Quasi Z Source Inverter. Electric Power Components and Systems, 2016, 44, 1786-1800.	1.0	11
166	Islanding operation of hybrid microgrids with high integration of wind driven cage induction generators. Sustainable Energy Technologies and Assessments, 2016, 13, 68-75.	1.7	11
167	Optimal Sizing and Profit Maximization of Clustered Microgrid using Game Theory Techniques. , 2019, , .		11
168	An Intelligent Controlling Method for Battery Lifetime Increment Using State of Charge Estimation in PV-Battery Hybrid System. Applied Sciences (Switzerland), 2020, 10, 8799.	1.3	11
169	A computationally efficient robust voltage control for a single phase dual active bridge. Energy Reports, 2020, 6, 3346-3356.	2.5	11
170	Novel Control Design for Simultaneous Damping of Inter-Area and Forced Oscillation. IEEE Transactions on Power Systems, 2021, 36, 451-463.	4.6	11
171	Game Approach for Sizing and Cost Minimization of a Multi-microgrids using a Multi-objective Optimization. , 2021, , .		11
172	Decomposition-based wind power forecasting models and their boundary issue: An in-depth review and comprehensive discussion on potential solutions. Energy Reports, 2022, 8, 8805-8820.	2.5	11
173	Use of supplementary rotor current control in DFIG to augment fault ride through of wind farm as per grid requirement. , 2011, , .		10
174	Short transient recovery of low voltage-grid-tied DC distributed generation. , 2015, , .		10
175	Robust feedbackâ€linearisation control of a boost converter feeding a gridâ€tied inverter for PV applications. IET Power Electronics, 2018, 11, 557-565.	1.5	10
176	Wind Farm Grid Integration Architecture using Unified Expandable Power Converter. IEEE Transactions on Power Electronics, 2018, , 1-1.	5.4	10
177	Detection of False Data Injection Attacks in Smart Grids: A Real-Time Principle Component Analysis. , 2019, , .		10
178	Auto-NAHL: A Neural Network Approach for Condition-Based Maintenance of Complex Industrial Systems. IEEE Access, 2021, 9, 152829-152840.	2.6	10
179	On the Role of Renewable Energy Policies and Electric Vehicle Deployment Incentives for a Greener Sector Coupling. IEEE Access, 2022, 10, 53873-53893.	2.6	10
180	PMU based wide area voltage control of smart grid: A real time implementation approach. , 2016, , .		9

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181	A Novel Concept for Three-Phase Cascaded Multilevel Inverter Topologies. <i>Energies</i> , 2018, 11, 268.	1.6	9
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