

S M Muyeen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9553679/s-m-muyeen-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

261
papers

4,782
citations

36
h-index

59
g-index

312
ext. papers

6,863
ext. citations

4.3
avg, IF

6.45
L-index

#	Paper	IF	Citations
261	\$LCL\$ Filter Design and Performance Analysis for Grid-Interconnected Systems. <i>IEEE Transactions on Industry Applications</i> , 2014 , 50, 1225-1232	4.3	290
260	A Variable Speed Wind Turbine Control Strategy to Meet Wind Farm Grid Code Requirements. <i>IEEE Transactions on Power Systems</i> , 2010 , 25, 331-340	7	238
259	Enhancing smart grid with microgrids: Challenges and opportunities. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 72, 205-214	16.2	202
258	Comparative study on transient stability analysis of wind turbine generator system using different drive train models. <i>IET Renewable Power Generation</i> , 2007 , 1, 131	2.9	139
257	Operation and Control of HVDC-Connected Offshore Wind Farm. <i>IEEE Transactions on Sustainable Energy</i> , 2010 , 1, 30-37	8.2	137
256	Wind Farms Fault Ride Through Using DFIG With New Protection Scheme. <i>IEEE Transactions on Sustainable Energy</i> , 2012 , 3, 242-254	8.2	135
255	. <i>IEEE Access</i> , 2019 , 7, 86746-86757	3.5	114
254	Integration of an Energy Capacitor System With a Variable-Speed Wind Generator. <i>IEEE Transactions on Energy Conversion</i> , 2009 , 24, 740-749	5.4	110
253	Design Optimization of Controller Parameters Used in Variable Speed Wind Energy Conversion System by Genetic Algorithms. <i>IEEE Transactions on Sustainable Energy</i> , 2012 , 3, 200-208	8.2	104
252	. <i>IEEE Access</i> , 2020 , 8, 19410-19432	3.5	101
251	Transient Stability Augmentation of Power System Including Wind Farms by Using ECS. <i>IEEE Transactions on Power Systems</i> , 2008 , 23, 1179-1187	7	78
250	Harmony Search Algorithm-Based Controller Parameters Optimization for a Distributed-Generation System. <i>IEEE Transactions on Power Delivery</i> , 2015 , 30, 246-255	4.3	73
249	A Taguchi Approach for Optimum Design of Proportional-Integral Controllers in Cascaded Control Scheme. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 1636-1644	7	65
248	Transient stability enhancement of wind farms connected to a multi-machine power system by using an adaptive ANN-controlled SMES. <i>Energy Conversion and Management</i> , 2014 , 78, 412-420	10.6	63
247	Low voltage ride through capability enhancement of wind turbine generator system during network disturbance. <i>IET Renewable Power Generation</i> , 2009 , 3, 65	2.9	63
246	Speed control of grid-connected switched reluctance generator driven by variable speed wind turbine using adaptive neural network controller. <i>Electric Power Systems Research</i> , 2012 , 84, 206-213	3.5	56
245	A Bayesian Algorithm to Enhance the Resilience of WAMS Applications Against Cyber Attacks. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 2026-2037	10.7	54

244	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 4495-4505	8.9	54
243	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2265-2277	7.2	53
242	Benchmarking of Stability and Robustness Against Grid Impedance Variation for LCL -Filtered Grid-Interfacing Inverters. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 9033-9046	7.2	53
241	Methods for Advanced Wind Turbine Condition Monitoring and Early Diagnosis: A Literature Review. <i>Energies</i> , 2018 , 11, 1309	3.1	51
240	Reduction of frequency fluctuation for wind farm connected power systems by an adaptive artificial neural network controlled energy capacitor system. <i>IET Renewable Power Generation</i> , 2012 , 6, 226	2.9	50
239	Transformation of microgrid to virtual power plant [a comprehensive review. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 1994-2005	2.5	48
238	Parameter Estimation of Three Diode Photovoltaic Model Using Grasshopper Optimization Algorithm. <i>Energies</i> , 2020 , 13, 497	3.1	47
237	Variable speed wind turbine generator system with current controlled voltage source inverter. <i>Energy Conversion and Management</i> , 2011 , 52, 2688-2694	10.6	46
236	Transient stability enhancement of a grid-connected wind farm using an adaptive neuro-fuzzy controlled-flywheel energy storage system. <i>IET Renewable Power Generation</i> , 2015 , 9, 792-800	2.9	44
235	Modeling and Control Strategies of Fuzzy Logic Controlled Inverter System for Grid Interconnected Variable Speed Wind Generator. <i>IEEE Systems Journal</i> , 2013 , 7, 817-824	4.3	44
234	Smoothing of Wind Farm Output by Prediction and Supervisory-Control-Unit-Based FESS. <i>IEEE Transactions on Sustainable Energy</i> , 2013 , 4, 925-933	8.2	42
233	. <i>IEEE Journal of Photovoltaics</i> , 2016 , 6, 1619-1629	3.7	42
232	Optimisation of controller parameters for grid-tied photovoltaic system at faulty network using artificial neural network-based cuckoo search algorithm. <i>IET Renewable Power Generation</i> , 2017 , 11, 1517-1526 ⁴⁰	2.9	40
231	A Prediction Algorithm to Enhance Grid Resilience Toward Cyber Attacks in WAMCS Applications. <i>IEEE Systems Journal</i> , 2019 , 13, 710-719	4.3	40
230	Affine projection algorithm based adaptive control scheme for operation of variable-speed wind generator. <i>IET Generation, Transmission and Distribution</i> , 2015 , 9, 2611-2616	2.5	39
229	A Combined Approach of Using an SDBR and a STATCOM to Enhance the Stability of a Wind Farm. <i>IEEE Systems Journal</i> , 2015 , 9, 922-932	4.3	37
228	Design and Implementation of a Nonlinear PI Predictive Controller for a Grid-Tied Photovoltaic Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1241-1250	8.9	37
227	Application of STATCOM/BESS for wind power smoothening and hydrogen generation. <i>Electric Power Systems Research</i> , 2009 , 79, 365-373	3.5	36

226	Wind Generator Output Power Smoothing and Terminal Voltage Regulation by Using STATCOM/ESS 2007 ,		36
225	Coordination of Heat Pumps, Electric Vehicles and AGC for Efficient LFC in a Smart Hybrid Power System via SCA-Based Optimized FOPID Controllers. <i>Energies</i> , 2018 , 11, 420	3.1	35
224	Transient Stability Enhancement of Wind Generator by a New Logical Pitch Controller. <i>IEEJ Transactions on Power and Energy</i> , 2006 , 126, 742-752	0.2	35
223	Stabilization of Wind Turbine Generator System by STATCOM. <i>IEEJ Transactions on Power and Energy</i> , 2006 , 126, 1073-1082	0.2	35
222	Peer-to-Peer Energy Trading in Virtual Power Plant Based on Blockchain Smart Contracts. <i>IEEE Access</i> , 2020 , 8, 175713-175726	3.5	34
221	Application of energy capacitor system to wind power generation. <i>Wind Energy</i> , 2008 , 11, 335-350	3.4	31
220	Experimental Validation of a Novel PI Speed Controller for AC Motor Drives With Improved Transient Performances. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 1414-1421	4.8	30
219	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	30
218	An intelligent coordinator design for GCSC and AGC in a two-area hybrid power system. <i>Applied Soft Computing Journal</i> , 2019 , 76, 491-504	7.5	29
217	RTDS implementation of an improved sliding mode based inverter controller for PV system. <i>ISA Transactions</i> , 2016 , 62, 50-9	5.5	29
216	Centralized power control strategy for AC-DC hybrid micro-grid system using multi-converter scheme 2011 ,		29
215	Direct Connection of Supercapacitor Battery Hybrid Storage System to the Grid-Tied Photovoltaic System. <i>IEEE Transactions on Sustainable Energy</i> , 2019 , 10, 1370-1379	8.2	29
214	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1242-1252	11.9	27
213	Particle Swarm Optimization-based Superconducting Magnetic Energy Storage for Low-voltage Ride-through Capability Enhancement in Wind Energy Conversion System. <i>Electric Power Components and Systems</i> , 2015 , 43, 1278-1288	1	25
212	. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 4781-4791	7	25
211	2013 ,		25
210	Transient Stability Analysis of Wind Generator System with the Consideration of Multi-Mass Shaft Model		25
209	Continuous-time model predictive control of a permanent magnet synchronous motor drive with disturbance decoupling. <i>IET Electric Power Applications</i> , 2017 , 11, 697-706	1.8	24

208	Automatic Generation Control Incorporating Electric Vehicles. <i>Electric Power Components and Systems</i> , 2019 , 47, 720-732	1	24
207	A Design Fuzzy Logic Controller for a Permanent Magnet Wind Generator to Enhance the Dynamic Stability of Wind Farms. <i>Applied Sciences (Switzerland)</i> , 2012 , 2, 780-800	2.6	24
206	Smoothing control of wind generator output fluctuations by PWM voltage source converter and chopper controlled SMES. <i>European Transactions on Electrical Power</i> , 2011 , 21, 680-697		24
205	Multi-Agent Systems in ICT Enabled Smart Grid: A Status Update on Technology Framework and Applications. <i>IEEE Access</i> , 2019 , 7, 97959-97973	3.5	23
204	Salp swarm algorithm-based optimal control scheme for LVRT capability improvement of grid-connected photovoltaic power plants: design and experimental validation. <i>IET Renewable Power Generation</i> , 2020 , 14, 591-599	2.9	23
203	Electrolyzer switching strategy for hydrogen generation from variable speed wind generator. <i>Electric Power Systems Research</i> , 2011 , 81, 1171-1179	3.5	22
202	Stabilization of Grid Connected Wind Generator by STATCOM		22
201	Risk-constrained stochastic optimal allocation of energy storage system in virtual power plants. <i>Journal of Energy Storage</i> , 2020 , 31, 101732	7.8	22
200	A Secured Advanced Management Architecture in Peer-to-Peer Energy Trading for Multi-Microgrid in the Stochastic Environment. <i>IEEE Access</i> , 2021 , 9, 92083-92100	3.5	22
199	Microgrid Fault Detection and Classification: Machine Learning Based Approach, Comparison, and Reviews. <i>Energies</i> , 2020 , 13, 3460	3.1	21
198	Optimal planning of clustered microgrid using a technique of cooperative game theory. <i>Electric Power Systems Research</i> , 2020 , 183, 106262	3.5	21
197	Towards next generation virtual power plant: Technology review and frameworks. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 150, 111358	16.2	21
196	Wind Turbine Gearbox Anomaly Detection based on Adaptive Threshold and Twin Support Vector Machines. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	20
195	Rooftop Solar PV Penetration Impacts on Distribution Network and Further Growth Factors: Comprehensive Review. <i>Electronics (Switzerland)</i> , 2021 , 10, 55	2.6	18
194	On the Contribution of Wind Farms in Automatic Generation Control: Review and New Control Approach. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1848	2.6	18
193	A Novel Application of Improved Marine Predators Algorithm and Particle Swarm Optimization for Solving the ORPD Problem. <i>Energies</i> , 2020 , 13, 5679	3.1	17
192	Direct Probabilistic Load Flow in Radial Distribution Systems Including Wind Farms: An Approach Based on Data Clustering. <i>Energies</i> , 2018 , 11, 310	3.1	17
191	LCL filter design and performance analysis for small wind turbine systems 2012 ,		17

190	Low voltage ride through capability enhancement of grid connected large scale photovoltaic system 2011 ,		17
189	Operation and control of HVDC stations using continuous mixed p-norm-based adaptive fuzzy technique. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 2275-2282	2.5	16
188	Designing smart inverter with unified controller and smooth transition between grid-connected and islanding modes for microgrid application 2015 ,		16
187	Torque ripple minimization of axial laminations switched reluctance motor provided with digital lead controller. <i>Energy Conversion and Management</i> , 2010 , 51, 2402-2406	10.6	16
186	Transient stability analysis of permanent magnet variable speed synchronous wind generator 2007 ,		16
185	Maximizing the Economic Benefits of a Grid-Tied Microgrid Using Solar-Wind Complementarity. <i>Energies</i> , 2019 , 12, 395	3.1	15
184	Testing the Performance of Battery Energy Storage in a Wind Energy Conversion System. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 3196-3206	4.3	15
183	Direct power control for grid-connected doubly fed induction generator using disturbance observer based control. <i>Renewable Energy</i> , 2018 , 125, 365-372	8.1	15
182	Stability Augmentation of a Grid-Connected Wind Farm by Fuzzy-Logic-Controlled DFIG-Based Wind Turbines. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 20	2.6	15
181	Development of a four phase floating interleaved boost converter for photovoltaic systems 2014 ,		15
180	Damping of Blade-shaft Torsional Oscillations of Wind Turbine Generator System. <i>Electric Power Components and Systems</i> , 2008 , 36, 195-211	1	15
179	Day-Ahead Optimization of Prosumer Considering Battery Depreciation and Weather Prediction for Renewable Energy Sources. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2774	2.6	14
178	A new control strategy for smoothing of wind farm output using short-term ahead wind speed prediction and Flywheel energy storage system 2012 ,		14
177	Application of self-tuning FPIC to AGC for load frequency control in multi-area power system 2009 ,		14
176	Transient stability enhancement of variable speed wind turbine driven PMSG with rectifier-boost converter-inverter 2008 ,		14
175	Model Predictive-Based Secondary Frequency Control Considering Heat Pump Water Heaters. <i>Energies</i> , 2019 , 12, 411	3.1	13
174	Health Monitoring of Li-Ion Battery Systems: A Median Expectation Diagnosis Approach (MEDA). <i>IEEE Transactions on Transportation Electrification</i> , 2015 , 1, 94-105	7.6	13
173	Minimization of fluctuations of output power and terminal voltage of wind generator by using STATCOM/SMES 2009 ,		13

172	Stabilization of Wind Farms Connected with Multi Machine Power System by Using STATCOM 2007 ,		13
171	Real-time testing of energy storage systems in renewable energy applications. <i>Sustainable Energy Technologies and Assessments</i> , 2015 , 12, 1-9	4.7	12
170	Coordination between Demand Response Programming and Learning-Based FOPID Controller for Alleviation of Frequency Excursion of Hybrid Microgrid. <i>Energies</i> , 2020 , 13, 442	3.1	12
169	An Insight into Practical Solutions for Electric Vehicle Charging in Smart Grid. <i>Energies</i> , 2020 , 13, 1545	3.1	12
168	Multi-functional double mode inverter for power quality enhancement in smart-grid applications 2016 ,		12
167	Speed control of permanent magnet excitation transverse flux linear motor by using adaptive neuro-fuzzy controller. <i>Energy Conversion and Management</i> , 2010 , 51, 2762-2768	10.6	12
166	Vaccination controllers for SEIR epidemic models based on fractional order dynamics. <i>Biomedical Signal Processing and Control</i> , 2017 , 38, 136-142	4.9	11
165	Power management of hybrid micro-grid system by a generic centralized supervisory control scheme. <i>Sustainable Energy Technologies and Assessments</i> , 2014 , 8, 57-65	4.7	11
164	New controller design for PMSG based wind generator with LCL-filter considered 2012 ,		11
163	Blade-Shaft Torsional Oscillation Minimization of Wind Turbine Generator System by Using STATCOM/ESS 2007 ,		11
162	Cyber-Attacks in a Looped Energy-Water Nexus: An Inoculated Sub-Observer-Based Approach. <i>IEEE Systems Journal</i> , 2020 , 14, 2054-2065	4.3	11
161	Disturbance Observer Based Fractional-Order Integral Sliding Mode Frequency Control Strategy for Interconnected Power System. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	11
160	Grid Load Reduction through Optimized PV Power Utilization in Intermittent Grids Using a Low-Cost Hardware Platform. <i>Energies</i> , 2019 , 12, 1764	3.1	10
159	Short transient recovery of low voltage-grid-tied DC distributed generation 2015 ,		10
158	Optimal sizing of a utility-scale energy storage system in transmission networks to improve frequency response. <i>Journal of Energy Storage</i> , 2020 , 29, 101315	7.8	10
157	Wind Farm Stabilization by using DFIG with Current Controlled Voltage Source Converters Taking Grid Codes into Consideration. <i>IEEE Transactions on Power and Energy</i> , 2012 , 132, 251-259	0.2	10
156	Gravitational Search Algorithm-based Photovoltaic Array Reconfiguration for Partial Shading Losses Reduction 2016 ,		10
155	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	5.1	10

154	Compressive System Identification for Multiple Line Outage Detection in Smart Grids. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 4462-4473	4.3	9
153	Artificial Neural Network Based Adaptive Control of Single Phase Dual Active Bridge With Finite Time Disturbance Compensation. <i>IEEE Access</i> , 2019 , 7, 112229-112239	3.5	9
152	Effectiveness of Current-controlled Voltage Source Converter Excited Doubly Fed Induction Generator for Wind Farm Stabilization. <i>Electric Power Components and Systems</i> , 2012 , 40, 556-574	1	9
151	Comparative study of wind farm stabilization using variable speed generator and FACTS device 2011 ,		9
150	Transient stability enhancement of variable speed permanent magnet wind generator using adaptive PI-Fuzzy controller 2011 ,		9
149	Transient stability enhancement of wind generator using superconducting magnetic energy storage unit 2008 ,		9
148	Control Methods for Standalone and Grid Connected Micro-Hydro Power Plants With Synthetic Inertia Frequency Support: A Comprehensive Review. <i>IEEE Access</i> , 2020 , 8, 176313-176329	3.5	9
147	Communication Systems in Distributed Generation: A Bibliographical Review and Frameworks. <i>IEEE Access</i> , 2020 , 8, 207226-207239	3.5	9
146	A data-mining based optimal demand response program for smart home with energy storages and electric vehicles. <i>Journal of Energy Storage</i> , 2021 , 36, 102407	7.8	9
145	Offset-free feedback linearisation control of a three-phase grid-connected photovoltaic system. <i>IET Power Electronics</i> , 2016 , 9, 1933-1942	2.2	9
144	Machine intelligent forecasting based penalty cost minimization in hybrid wind-battery farms. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e13010	2.2	9
143	Disturbance Observer and Tube-Based Model Predictive Controlled Electric Vehicles for Frequency Regulation of an Isolated Power Grid. <i>IEEE Transactions on Smart Grid</i> , 2021 , 12, 4351-4362	10.7	9
142	Testing and validation of wide-area control of STATCOM using real-time digital simulator with hybrid HILBIL configuration. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 3039-3049	2.5	8
141	Primary frequency regulation of the hybrid power system by deloaded PMSG-based offshore wind farm using centralised droop controller. <i>Journal of Engineering</i> , 2019 , 2019, 4950-4954	0.7	8
140	Forced oscillation damping controller for an interconnected power system. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 339-347	2.5	8
139	Islanding operation of hybrid microgrids with high integration of wind driven cage induction generators. <i>Sustainable Energy Technologies and Assessments</i> , 2016 , 13, 68-75	4.7	8
138	A Novel Concept for Three-Phase Cascaded Multilevel Inverter Topologies. <i>Energies</i> , 2018 , 11, 268	3.1	8
137	Improvement of load frequency control with fuzzy gain scheduled superconducting magnetic energy storage unit 2008 ,		8

136	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	16.2	8
135	. <i>IEEE Systems Journal</i> , 2020 , 14, 3665-3675	4.3	7
134	Robust feedback-linearisation control of a boost converter feeding a grid-tied inverter for PV applications. <i>IET Power Electronics</i> , 2018 , 11, 557-565	2.2	7
133	2016 ,		7
132	Low voltage ride-through capability improvement of wind farms using variable speed permanent magnet wind generator 2011 ,		7
131	Real time implementation of STATCOM to analyze transient and dynamic characteristics of wind farm 2011 ,		7
130	2011 ,		7
129	Adaptive backstepping controller design of quadrotor biplane for payload delivery. <i>IET Intelligent Transport Systems</i> ,	2.4	7
128	Fuzzy Logic based Virtual Inertia Control of DFIG based Wind Generator for Stability Improvement of Hybrid Power System. <i>IEEJ Transactions on Power and Energy</i> , 2018 , 138, 733-744	0.2	7
127	A peer-to-peer energy trading for a clustered microgrid [Game theoretical approach. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 133, 107307	5.1	7
126	Dual Mechanical Port Machine Based Hybrid Electric Vehicle Using Reduced Switch Converters. <i>IEEE Access</i> , 2019 , 7, 33665-33676	3.5	6
125	Fault Ride-through of a Grid-connected Photovoltaic System with Quasi Z Source Inverter. <i>Electric Power Components and Systems</i> , 2016 , 44, 1786-1800	1	6
124	Multiphysics 3D Modelling of Ironless Permanent Magnet Generators. <i>Energy Procedia</i> , 2014 , 53, 34-43	2.3	6
123	Fuzzy-PI controller design for PM wind generator to improve Fault Ride Through of wind farm 2012 ,		6
122	Participation of facts in stabilizing DFIG with crowbar during grid fault based on grid codes 2011 ,		6
121	Protection schemes for DFIG considering rotor current and DC-link voltage 2011 ,		6
120	Frequency control of isolated network with wind and diesel generators by using fuzzy logic controller 2009 ,		6
119	Data-driven spatial-temporal prediction of electric vehicle load profile considering charging behavior. <i>Electric Power Systems Research</i> , 2020 , 187, 106469	3.5	6

118	Comparative Study on Game-Theoretic Optimum Sizing and Economical Analysis of a Networked Microgrid. <i>Energies</i> , 2019 , 12, 4004	3.1	6
117	Bidirectional direct current-direct current converter for fuel cell and renewable energy hybrid systems. <i>Journal of Renewable and Sustainable Energy</i> , 2015 , 7, 013119	2.5	5
116	Learning adaptive fuzzy droop of PV contribution to frequency excursion of hybrid micro-grid during parameters uncertainties. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 123, 106305	5.1	5
115	A robust control scheme to enhance the stability of a grid-connected large scale photovoltaic system 2012 ,		5
114	Dynamic characteristics analysis of wind farm integrated with STATCOM using RTDS 2011 ,		5
113	Smoothing control of wind generator output fluctuations by using superconducting Magnetic Energy Storage unit 2009 ,		5
112	Multi-converter operation of variable speed wind turbine driving permanent magnet synchronous generator during network fault 2009 ,		5
111	Integration of hydrogen generator into wind farm interconnected HVDC system 2009 ,		5
110	Fault Analysis of Wind Turbine Generator System Considering Six-Mass Drive Train Model 2006 ,		5
109	Stability Augmentation of Wind Farm using Variable Speed Permanent Magnet Synchronous Generator. <i>IEEE Transactions on Industry Applications</i> , 2011 , 131, 1276-1283	0.2	5
108	A Robust Control Method for Damping and Tracking of Secondary Network Voltage of a PV Based Hybrid AC/DC Microgrid. <i>Frontiers in Energy Research</i> , 2020 , 7,	3.8	5
107	Manipulation of Static and Dynamic Data Center Power Responses to Support Grid Operations. <i>IEEE Access</i> , 2020 , 8, 182078-182091	3.5	5
106	Nyström Minimum Kernel Risk-Sensitive Loss Based Seamless Control of Grid-Tied PV-Hybrid Energy Storage System. <i>Energies</i> , 2021 , 14, 1365	3.1	5
105	Detection of False Data Injection Attacks in Smart Grids: A Real-Time Principle Component Analysis 2019 ,		5
104	Denial-of-Service Attack on IEC 61850-Based Substation Automation System: A Crucial Cyber Threat towards Smart Substation Pathways. <i>Sensors</i> , 2021 , 21,	3.8	5
103	Learning-Based Methods for Cyber Attacks Detection in IoT Systems: A Survey on Methods, Analysis, and Future Prospects. <i>Electronics (Switzerland)</i> , 2022 , 11, 1502	2.6	5
102	A state-of-the-art review on wind power converter fault diagnosis. <i>Energy Reports</i> , 2022 , 8, 5341-5369	4.6	5
101	Dynamic performance enhancement of a grid-connected wind farm using doubly fed induction machine-based flywheel energy storage system 2015 ,		4

100	Wind Farm Grid Integration Architecture Using Unified Expandable Power Converter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 1-1	7.2	4
99	Improvement of load frequency control with fuzzy gain scheduled SMES unit considering governor dead-band and GRC 2008 ,		4
98	Faults and Fault Ride Through strategies for grid-connected photovoltaic system: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 158, 112125	16.2	4
97	Optimal Sizing and Assessment of a Renewable Rich Standalone Hybrid Microgrid Considering Conventional Dispatch Methodologies. <i>Sustainability</i> , 2021 , 13, 12734	3.6	4
96	Control deslizante fraccionario de la trayectoria y orientaci3n de un quadrotor con cargas suspendidas desconocidas. <i>RIAI - Revista Iberoamericana De Automatica E Informatica Industrial</i> , 2019 , 16, 321	1.5	4
95	Bibliographic review on power system oscillations damping: An era of conventional grids and renewable energy integration. <i>International Journal of Electrical Power and Energy Systems</i> , 2022 , 136, 107556	5.1	4
94	Stabilization of Fixed Speed Wind Generator by using Variable Speed PM Wind Generator in Multi-Machine Power System. <i>Journal of International Conference on Electrical Machines and Systems</i> , 2013 , 2, 111-119		4
93	An Intelligent Controlling Method for Battery Lifetime Increment Using State of Charge Estimation in PV-Battery Hybrid System. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8799	2.6	4
92	Novel Control Design for Simultaneous Damping of Inter-Area and Forced Oscillation. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 451-463	7	4
91	A Robust Self-Attentive Capsule Network for Fault Diagnosis of Series-Compensated Transmission Line. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	4
90	Economic Planning and Comparative Analysis of Market-driven Multi-microgrid system for Peer-to-Peer energy trading. <i>IEEE Transactions on Industry Applications</i> , 2022 , 1-1	4.3	4
89	. <i>IEEE Access</i> , 2019 , 7, 105420-105431	3.5	3
88	A Grid-Connected Smart Extendable Structure for Hybrid Integration of Distributed Generations. <i>IEEE Access</i> , 2019 , 7, 105235-105246	3.5	3
87	Experimental evaluation of an interleaved boost topology optimized for peak power tracking control 2014 ,		3
86	Experimental validation of a DFIG based current harmonics mitigation technique 2017 ,		3
85	Optimal design of cascaded control scheme for PV system using BFO algorithm 2015 ,		3
84	Application of an adaptive neuro-fuzzy controller for speed control of switched reluctance generator driven by variable speed wind turbine 2015 ,		3
83	Small signal stability analysis of fixed speed wind generator including SDBR 2012 ,		3

82	Voltage stability control of wind farm using PMSG based variable speed wind turbine 2012,		3
81	Use of supplementary rotor current control in DFIG to augment fault ride through of wind farm as per grid requirement 2011,		3
80	Grid interfacing of a small scale DC-based wind farm using fuzzy logic controlled inverter system 2010,		3
79	Control strategy for HVDC interconnected DC-based offshore wind farm 2009,		3
78	Low voltage ride through capability enhancement of fixed speed wind generator 2009,		3
77	A new control method of energy capacitor system in DC-based wind farm 2009,		3
76	Simulation Technique & Application of Space-Vector PWM Method in PSCAD/EMTDC 2007,		3
75	A multi-objective optimization for planning of networked microgrid using a game theory for peer-to-peer energy trading scheme. <i>IET Generation, Transmission and Distribution</i> , 2021 , 15, 3423	2.5	3
74	Optimal sizing of a networked microgrid using Nash equilibrium for mount magnet. <i>International Journal of Smart Grid and Clean Energy</i> , 2020 , 82-90	1.4	3
73	A Novel Intrusion Mitigation Unit for Interconnected Power Systems in Frequency Regulation to Enhance Cybersecurity. <i>Energies</i> , 2021 , 14, 1401	3.1	3
72	Game Approach for Sizing and Cost Minimization of a Multi-microgrids using a Multi-objective Optimization 2021,		3
71	PMU based wide area voltage control of smart grid: A real time implementation approach 2016,		3
70	Design and implementation of a robust state-feedback control law for a grid-connected doubly fed induction generator wind turbine 2016,		3
69	Optimal Sizing and Profit Maximization of Clustered Microgrid using Game Theory Techniques 2019 ,		3
68	Transiently stable intentional controlled islanding considering post-islanding voltage and frequency stability constraints. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 127, 106650	5.1	3
67	A Novel Adaptive Filtering Algorithm based Parameter Estimation Technique for Photovoltaic System. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	3
66	A Reference Model Assisted Adaptive Control Structure for Maglev Transportation System. <i>Electronics (Switzerland)</i> , 2021 , 10, 332	2.6	3
65	Exploiting Compressive System Identification for Multiple Line Outage Detection in Smart Grids 2018,		3

64	An alternative frequency-droop scheme for wind turbines that provide primary frequency regulation via rotor speed control. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 133, 107219	5.1	3
63	A computationally efficient robust voltage control for a single phase dual active bridge. <i>Energy Reports</i> , 2020 , 6, 3346-3356	4.6	2
62	The Impact of Number of Partitions on Transient Stability of Intentional Controlled Islanding 2019 ,		2
61	A Subtractive Feedforward Controller Based on Symmetrical Components Decomposition for DFIG Under Balanced and Unbalanced Loads in Weak Grids. <i>Arabian Journal for Science and Engineering</i> , 2017 , 42, 2727-2738	2.5	2
60	Design optimization of ironless multi-stage axial-flux permanent magnet generators for offshore wind turbines. <i>Engineering Optimization</i> , 2017 , 49, 815-827	2	2
59	Coordinated power system frequency regulation by PMSG-based offshore wind farm 2017 ,		2
58	Selective operation of three-level NPC inverter based on synchronous reference frame method supplying nonlinear loads in microgrid system 2015 ,		2
57	Operational strategy for multi-converter based variable speed wind generator during network fault. <i>European Transactions on Electrical Power</i> , 2011 , 21, 2023-2036		2
56	Integration of space vector pulse width modulation controlled STATCOM with wind farm connected to multimachine power system. <i>Journal of Renewable and Sustainable Energy</i> , 2009 , 1, 013103 ^{2.5}		2
55	Wind power and hydrogen generation system with cooperatively controlled three-level NPC-VSC based energy capacitor. <i>European Transactions on Electrical Power</i> , 2010 , 20, 1071-1081		2
54	Auto-NAHL: A Neural Network Approach for Condition-Based Maintenance of Complex Industrial Systems. <i>IEEE Access</i> , 2021 , 9, 152829-152840	3.5	2
53	Techno-Economic and Environmental Assessment of the Hybrid Energy System Considering Electric and Thermal Loads. <i>Electronics (Switzerland)</i> , 2021 , 10, 3136	2.6	2
52	Effective dispatch strategies assortment according to the effect of the operation for an islanded hybrid microgrid. <i>Energy Conversion and Management: X</i> , 2022 , 14, 100192	2.5	2
51	Development and Planning of a Hybrid Power System based on Advance Optimization Approach 2021 ,		2
50	Optimal Sizing of Networked Microgrid using Game Theory considering the Peer-to-Peer Energy Trading 2020 ,		2
49	Mitigation of Wind Power Fluctuation in Micro-Grid System during Grid and Islanding Mode with BESS Scheme 2013 ,		2
48	Enhanced performance of PMSG wind turbines during grid disturbance at different network strengths considering fault current limiter. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e12985	2.2	2
47	Optimal Distribution Coefficients of Energy Resources in Frequency Stability of Hybrid Microgrids Connected to the Power System. <i>Electronics (Switzerland)</i> , 2021 , 10, 1591	2.6	2

46	Energy Sustainability Survey on Technology and Control of Microgrid, Smart Grid and Virtual Power Plant. <i>IEEE Access</i> , 2021 , 9, 104663-104694	3.5	2
45	2018 ,		2
44	Optimal Planning of Remote Area Electricity Supply Systems: Comprehensive Review, Recent Developments and Future Scopes. <i>Energies</i> , 2021 , 14, 5900	3.1	2
43	Potential of data centers for fast frequency response services in synchronously isolated power systems. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 151, 111547	16.2	2
42	A reliable and cost-effective planning framework of rural area hybrid system considering intelligent weather forecasting. <i>Energy Reports</i> , 2021 , 7, 5647-5666	4.6	2
41	Parameter Estimation of Vehicle Batteries in V2G Systems: An Exogenous Function-Based Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
40	Impact of Slim DC Capacitance on Floating Capacitor H-bridge Motor Drive. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 3302-3314	7.2	1
39	Sensitivity and transient stability analysis of fixed speed wind generator with series dynamic braking resistor 2018 , 165-194		1
38	Three-dimension core loss analysis of transverse flux linear motor based on the improved Steinmetz equation 2017 ,		1
37	Transient stability augmentation of hybrid power system based on synthetic inertia control of DFIG 2017 ,		1
36	Real-Time Implementation of BESS to Smooth the Output Power Fluctuation of Variable Speed Wind Turbine Generator. <i>IEEJ Journal of Industry Applications</i> , 2014 , 3, 198-205	0.7	1
35	Stability Enhancement of a Hybrid Micro-grid System in Grid Fault Condition. <i>Journal of International Conference on Electrical Machines and Systems</i> , 2013 , 2, 225-231		1
34	Speed control of permanent magnet synchronous motor using digital pole placement controller 2009 ,		1
33	Comparison of time-domain methods for two-end PD location in power cables 2012 ,		1
32	Wind power and hydrogen generation system with cooperatively controlled energy capacitor 2008 ,		1
31	Small Signal Stability Analysis of Doubly Fed Induction Generator including SDBR. <i>Journal of International Conference on Electrical Machines and Systems</i> , 2013 , 2, 31-39		1
30	Experimental modelling of grid-tied thermoelectric generator from incinerator waste heat. <i>International Journal of Smart Grid and Clean Energy</i> , 2020 , 304-313	1.4	1
29	Lithium-Ion Battery Prognostics based on Support Vector Regression and Time-Series Analysis 2021 ,		1

28	Transmission of Bulk Power from DC-Based Offshore Wind Farm to Grid Through HVDC System. <i>Green Energy and Technology</i> , 2012 , 501-520	0.6	1
27	Augmentation of Wind Farms Ride Through by DFIG-based Variable Speed Wind Generators. <i>Journal of International Conference on Electrical Machines and Systems</i> , 2012 , 1, 104-113		1
26	Industrial IoT based condition monitoring for wind energy conversion system. <i>CSEE Journal of Power and Energy Systems</i> , 2020 ,	2.3	1
25	Current stress and switching loss evaluation of a unified expandable power converter used for grid-integration of renewable energy sources. <i>IET Renewable Power Generation</i> , 2021 , 15, 2561-2570	2.9	1
24	Thermal management of grid-tied PV system: A novel active and passive cooling design-based approach. <i>IET Renewable Power Generation</i> , 2021 , 15, 2715-2725	2.9	1
23	A Hybrid Multilevel Power Electronic Inverter and Fault Location Identification of Switching Devices 2018 ,		1
22	Robust Continuous-Time Model Predictive Control of a Grid-Tied Photovoltaic System 2018 , 425-451		1
21	Forced Oscillation Detection Amid Communication Uncertainties. <i>IEEE Systems Journal</i> , 2021 , 15, 4644-4655	4.5	1
20	Enhanced power extraction from thermoelectric generators considering non-uniform heat distribution. <i>Energy Conversion and Management</i> , 2021 , 246, 114565	10.6	1
19	Optimization of a Fuel Cost and Enrichment of Line Loadability for a Transmission System by Using Rapid Voltage Stability Index and Grey Wolf Algorithm Technique. <i>Sustainability</i> , 2022 , 14, 4347	3.6	1
18	An improved decentralized finite-time approach for excitation control of multi-area power systems. <i>Sustainable Energy, Grids and Networks</i> , 2022 , 31, 100692	3.6	1
17	A critical review and performance comparisons of swarm-based optimization algorithms in maximum power point tracking of photovoltaic systems under partial shading conditions. <i>Energy Reports</i> , 2022 , 8, 4871-4898	4.6	1
16	Acoustic Based Localization of Partial Discharge inside Oil-Filled Transformers. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
15	Grid integration of multiple wind turbines using a multi-port converter A novel simultaneous space vector modulation. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 157, 111940	16.2	0
14	Performance Enhancement of Self-Cleaning Hydrophobic Nanocoated Photovoltaic Panels in a Dusty Environment. <i>Energies</i> , 2021 , 14, 6800	3.1	0
13	Cost-Effective Design of IoT-Based Smart Household Distribution System. <i>Designs</i> , 2021 , 5, 55	1.8	0
12	Comprehensive Review of KY Converter Topologies, Modulation and Control Approaches With Their Applications. <i>IEEE Access</i> , 2022 , 10, 20978-20994	3.5	0
11	Stability Enhancement of Wind Energy Conversion Systems Based on Optimal Superconducting Magnetic Energy Storage Systems Using the Archimedes Optimization Algorithm. <i>Processes</i> , 2022 , 10, 366	2.9	0

10	Optimal planning of solar PV and battery storage with energy management systems for Time-of-Use and flat electricity tariffs. <i>IET Renewable Power Generation</i> , 2022 , 16, 1206-1219	2.9	o
9	Enhanced block-sparse adaptive Bayesian algorithm based control strategy of superconducting magnetic energy storage units for wind farms power ripple minimization. <i>Journal of Energy Storage</i> , 2022 , 50, 104208	7.8	o
8	On the Role of Renewable Energy Policies and Electric Vehicle Deployment Incentives for a Greener Sector Coupling. <i>IEEE Access</i> , 2022 , 10, 53873-53893	3.5	o
7	Design and Validation of a Generalized Multilevel Inverter with Simplified Switching Technique. <i>Electric Power Components and Systems</i> , 2020 , 48, 186-200	1	
6	Future grid architectures 2022 , 233-270		
5	Smart grids: control and cybersecurity 2022 , 53-101		
4	Wide-area monitoring and estimation systems 2022 , 195-230		
3	Performance Analysis of a Sliding Mode Control for Distributed Generations. <i>Journal of International Conference on Electrical Machines and Systems</i> , 2014 , 3, 98-104		
2	Enhancement of the HILOMOT Algorithm with Modified EM and Modified PSO Algorithms for Nonlinear Systems Identification. <i>Electronics (Switzerland)</i> , 2022 , 11, 729	2.6	
1	Assessment of the Influence of hydrogen share on performance, combustion, and emissions in a four-stroke gasoline engine. <i>IEEE Access</i> , 2022 , 1-1	3.5	