

S M Muyeen

List of Publications by Year in Descending Order

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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.

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	Future grid architectures 2022 , 233-270		
260	Smart grids: control and cybersecurity 2022 , 53-101		
259	Wide-area monitoring and estimation systems 2022 , 195-230		
258	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
257	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
256	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
255	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
254	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
253	Comprehensive Review of KY Converter Topologies, Modulation and Control Approaches With Their Applications. <i>IEEE Access</i> , 2022 , 10, 20978-20994	3.5	0
252	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
251	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	
250	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	0
249	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
248	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	0
247	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
246	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
245	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

244	A state-of-the-art review on wind power converter fault diagnosis. <i>Energy Reports</i> , 2022 , 8, 5341-5369	4.6	5
243	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	
242	Acoustic Based Localization of Partial Discharge inside Oil-Filled Transformers. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
241	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	0
240	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
239	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
238	Lithium-Ion Battery Prognostics based on Support Vector Regression and Time-Series Analysis 2021 , ,		1
237	Development and Planning of a Hybrid Power System based on Advance Optimization Approach 2021 ,		2
236	Optimal Sizing and Assessment of a Renewable Rich Standalone Hybrid Microgrid Considering Conventional Dispatch Methodologies. <i>Sustainability</i> , 2021 , 13, 12734	3.6	4
235	Rooftop Solar PV Penetration Impacts on Distribution Network and Further Growth FactorsA Comprehensive Review. <i>Electronics (Switzerland)</i> , 2021 , 10, 55	2.6	18
234	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
233	Performance Enhancement of Self-Cleaning Hydrophobic Nanocoated Photovoltaic Panels in a Dusty Environment. <i>Energies</i> , 2021 , 14, 6800	3.1	0
232	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
231	A Novel Intrusion Mitigation Unit for Interconnected Power Systems in Frequency Regulation to Enhance Cybersecurity. <i>Energies</i> , 2021 , 14, 1401	3.1	3
230	Game Approach for Sizing and Cost Minimization of a Multi-microgrids using a Multi-objective Optimization 2021 ,		3
229	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
228	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
227	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

226	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
225	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
224	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
223	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
222	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
221	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
220	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
219	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
218	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
217	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
216	A Reference Model Assisted Adaptive Control Structure for Maglev Transportation System. <i>Electronics (Switzerland)</i> , 2021 , 10, 332	2.6	3
215	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
214	Cost-Effective Design of IoT-Based Smart Household Distribution System. <i>Designs</i> , 2021 , 5, 55	1.8	0
213	Forced Oscillation Detection Amid Communication Uncertainties. <i>IEEE Systems Journal</i> , 2021 , 15, 4644-4655	4.5	1
212	Optimal Planning of Remote Area Electricity Supply Systems: Comprehensive Review, Recent Developments and Future Scopes. <i>Energies</i> , 2021 , 14, 5900	3.1	2
211	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
210	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
209	Towards next generation virtual power plant: Technology review and frameworks. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 150, 111358	16.2	21

208	Enhanced power extraction from thermoelectric generators considering non-uniform heat distribution. <i>Energy Conversion and Management</i> , 2021 , 246, 114565	10.6	1
207	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
206	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
205	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
204	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
203	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
202	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
201	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
200	A computationally efficient robust voltage control for a single phase dual active bridge. <i>Energy Reports</i> , 2020 , 6, 3346-3356	4.6	2
199	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
198	. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 4781-4791	7	25
197	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
196	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
195	Microgrid Fault Detection and Classification: Machine Learning Based Approach, Comparison, and Reviews. <i>Energies</i> , 2020 , 13, 3460	3.1	21
194	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
193	Optimal planning of clustered microgrid using a technique of cooperative game theory. <i>Electric Power Systems Research</i> , 2020 , 183, 106262	3.5	21
192	Parameter Estimation of Three Diode Photovoltaic Model Using Grasshopper Optimization Algorithm. <i>Energies</i> , 2020 , 13, 497	3.1	47
191	. <i>IEEE Systems Journal</i> , 2020 , 14, 3665-3675	4.3	7

190	Forced oscillation damping controller for an interconnected power system. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 339-347	2.5	8
189	. <i>IEEE Access</i> , 2020 , 8, 19410-19432	3.5	101
188	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
187	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
186	An Insight into Practical Solutions for Electric Vehicle Charging in Smart Grid. <i>Energies</i> , 2020 , 13, 1545	3.1	12
185	Design and Validation of a Generalized Multilevel Inverter with Simplified Switching Technique. <i>Electric Power Components and Systems</i> , 2020 , 48, 186-200	1	
184	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
183	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
182	Optimal Sizing of Networked Microgrid using Game Theory considering the Peer-to-Peer Energy Trading 2020 ,		2
181	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
180	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
179	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
178	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
177	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
176	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
175	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
174	Industrial IoT based condition monitoring for wind energy conversion system. <i>CSEE Journal of Power and Energy Systems</i> , 2020 ,	2.3	1
173	Manipulation of Static and Dynamic Data Center Power Responses to Support Grid Operations. <i>IEEE Access</i> , 2020 , 8, 182078-182091	3.5	5

172	Communication Systems in Distributed Generation: A Bibliographical Review and Frameworks. <i>IEEE Access</i> , 2020 , 8, 207226-207239	3.5	9
171	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
170	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
169	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
168	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
167	. <i>IEEE Access</i> , 2019 , 7, 86746-86757	3.5	114
166	Automatic Generation Control Incorporating Electric Vehicles. <i>Electric Power Components and Systems</i> , 2019 , 47, 720-732	1	24
165	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
164	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
163	Dual Mechanical Port Machine Based Hybrid Electric Vehicle Using Reduced Switch Converters. <i>IEEE Access</i> , 2019 , 7, 33665-33676	3.5	6
162	Maximizing the Economic Benefits of a Grid-Tied Microgrid Using Solar-Wind Complementarity. <i>Energies</i> , 2019 , 12, 395	3.1	15
161	Model Predictive-Based Secondary Frequency Control Considering Heat Pump Water Heaters. <i>Energies</i> , 2019 , 12, 411	3.1	13
160	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
159	. <i>IEEE Access</i> , 2019 , 7, 105420-105431	3.5	3
158	The Impact of Number of Partitions on Transient Stability of Intentional Controlled Islanding 2019 ,		2
157	Transformation of microgrid to virtual power plant a comprehensive review. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 1994-2005	2.5	48
156	A Grid-Connected Smart Extendable Structure for Hybrid Integration of Distributed Generations. <i>IEEE Access</i> , 2019 , 7, 105235-105246	3.5	3
155	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

154	Optimal Sizing and Profit Maximization of Clustered Microgrid using Game Theory Techniques 2019		3
153	Detection of False Data Injection Attacks in Smart Grids: A Real-Time Principle Component Analysis 2019 ,		5
152	Comparative Study on Game-Theoretic Optimum Sizing and Economical Analysis of a Networked Microgrid. <i>Energies</i> , 2019 , 12, 4004	3.1	6
151	Direct Connection of SupercapacitorBattery Hybrid Storage System to the Grid-Tied Photovoltaic System. <i>IEEE Transactions on Sustainable Energy</i> , 2019 , 10, 1370-1379	8.2	29
150	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
149	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
148	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
147	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1242-1252	11.9	27
146	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
145	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
144	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
143	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
142	A Novel Concept for Three-Phase Cascaded Multilevel Inverter Topologies. <i>Energies</i> , 2018 , 11, 268	3.1	8
141	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
140	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
139	Methods for Advanced Wind Turbine Condition Monitoring and Early Diagnosis: A Literature Review. <i>Energies</i> , 2018 , 11, 1309	3.1	51
138	Wind Farm Grid Integration Architecture Using Unified Expandable Power Converter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 1-1	7.2	4
137	Sensitivity and transient stability analysis of fixed speed wind generator with series dynamic braking resistor 2018 , 165-194		1

136	2018,		2
135	Exploiting Compressive System Identification for Multiple Line Outage Detection in Smart Grids 2018,		3
134	A Hybrid Multilevel Power Electronic Inverter and Fault Location Identification of Switching Devices 2018,		1
133	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
132	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
131	Robust Continuous-Time Model Predictive Control of a Grid-Tied Photovoltaic System 2018 , 425-451		1
130	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2265-2277	7.2	53
129	Enhancing smart grid with microgrids: Challenges and opportunities. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 72, 205-214	16.2	202
128	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
127	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
126	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
125	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
124	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
123	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
122	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
121	Coordinated power system frequency regulation by PMSG-based offshore wind farm 2017 ,		2
120	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
119	Experimental validation of a DFIG based current harmonics mitigation technique 2017 ,		3

118	Three-dimension core loss analysis of transverse flux linear motor based on the improved Steinmetz equation 2017 ,		1
117	Transient stability augmentation of hybrid power system based on synthetic inertia control of DFIG 2017 ,		1
116	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
115	Multi-functional double mode inverter for power quality enhancement in smart-grid applications 2016 ,		12
114	2016 ,		7
113	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
112	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 4495-4505	8.9	54
111	RTDS implementation of an improved sliding mode based inverter controller for PV system. <i>ISA Transactions</i> , 2016 , 62, 50-9	5.5	29
110	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
109	PMU based wide area voltage control of smart grid: A real time implementation approach 2016 ,		3
108	Gravitational Search Algorithm-based Photovoltaic Array Reconfiguration for Partial Shading Losses Reduction 2016 ,		10
107	Design and implementation of a robust state-feedback control law for a grid-connected doubly fed induction generator wind turbine 2016 ,		3
106	. <i>IEEE Journal of Photovoltaics</i> , 2016 , 6, 1619-1629	3.7	42
105	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
104	Dynamic performance enhancement of a grid-connected wind farm using doubly fed induction machine-based flywheel energy storage system 2015 ,		4
103	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
102	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
101	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

100	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
99	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
98	Short transient recovery of low voltage-grid-tied DC distributed generation 2015 ,		10
97	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
96	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
95	Optimal design of cascaded control scheme for PV system using BFO algorithm 2015 ,		3
94	Application of an adaptive neuro-fuzzy controller for speed control of switched reluctance generator driven by variable speed wind turbine 2015 ,		3
93	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
92	Designing smart inverter with unified controller and smooth transition between grid-connected and islanding modes for microgrid application 2015 ,		16
91	Selective operation of three-level NPC inverter based on synchronous reference frame method supplying nonlinear loads in microgrid system 2015 ,		2
90	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
89	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
88	Experimental evaluation of an interleaved boost topology optimized for peak power tracking control 2014 ,		3
87	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
86	Multiphysics 3D Modelling of Ironless Permanent Magnet Generators. <i>Energy Procedia</i> , 2014 , 53, 34-43	2.3	6
85	Development of a four phase floating interleaved boost converter for photovoltaic systems 2014 ,		15
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