

# Sukumar Mishra

## 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.

290  
papers

6,014  
citations

38  
h-index

70  
g-index

396  
ext. papers

7,922  
ext. citations

4.5  
avg, IF

6.71  
L-index

#	Paper	IF	Citations
290	An Aggregated Energy Management Methodology for Air Conditioning System With DAB Converter. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , <b>2022</b> , 3, 124-132	2.6	1
289	Bidirectional Power Sharing of Modular DABs to Improve Voltage Stability in DC Microgrids. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	3
288	Generalized Hybrid Symmetrical and Asymmetrical Multilevel Inverter Topology with Reduced Number of Switches. <i>Advances in Sustainability Science and Technology</i> , <b>2022</b> , 81-94		
287	Synchrophasor Data Based Q-V Droop Control of Wind Farm Integrated Power Systems. <i>IEEE Transactions on Power Systems</i> , <b>2022</b> , 1-1	7	0
286	Control of ILC in an Autonomous AC-DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	0
285	A Novel High-Speed Sensorless Faulty Panel Detection Technique for an SPV String/Array: An accurate and cost-effective approach for SPV industry. <i>IEEE Power Electronics Magazine</i> , <b>2022</b> , 9, 33-39	1.5	
284	Control of Single-Phase Distributed PV-Battery Microgrid for Smooth Mode Transition with Improved Power Quality. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	0
283	A Normalized Adaptive Filter for Enhanced Optimal Operation of Grid-Interfaced PV System. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1715-1724	4.3	4
282	Estimating State of Charge for xEV Batteries Using 1D Convolutional Neural Networks and Transfer Learning. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 3123-3135	6.8	11
281	A DC Droop-Based Optimal Dispatch Control and Power Management of Hybrid Photovoltaic-Battery and Diesel Generator Standalone AC/DC System. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 3012-3023	4.3	1
280	Steady Output and Fast Tracking MPPT (SOFT-MPPT) for P&O and InC Algorithms. <i>IEEE Transactions on Sustainable Energy</i> , <b>2021</b> , 12, 293-302	8.2	40
279	Adaptive Droop-Based Control for Active Power Sharing in Autonomous Microgrid for Improved Transient Performance. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 3010-3018	5.6	3
278	A Three-Sample-Based PLL-Less Hysteresis Current Control and Stability Analysis of a Single-Phase Active Distribution System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 7045-7060	8.9	4
277	Design Architecture for Continuous-Time Control of Dual Active Bridge Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 3287-3295	5.6	7
276	Return Ratio Shaping Approach to Stabilize Inverter-Weak Grid System. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 253-263	5.4	6
275	Demand side management in smart grid: A laboratory-based educational perspective. <i>International Journal of Electrical Engineering and Education</i> , <b>2021</b> , 58, 331-356	0.6	2
274	Real-Time Coordinated Control of Low-Voltage DC Distribution Network With Soft Opening Point. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 7123-7137	7.2	2

273	Performance Enhancement of PVDGBS Distributed Generation System in Islanded Mode. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2021</b> , 102, 311-321	0.9	0
272	Frequency Domain Modeling of Dual Active Bridge Converter Based on Harmonic Balance Approach. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , <b>2021</b> , 1-1	2.6	3
271	Multiterminal DC Fault Identification for MMC-HVDC Systems Based on Modal AnalysisA Localized Protection Scheme. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	4
270	A Dynamic Model of Impedance for Online TheveninB Equivalent Estimation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 1-1	3.5	2
269	Enhanced Power Quality PV-Inverter with Leakage Current Suppression for Three-Phase SECS. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2
268	A Quantitative Approach for Convergence Analysis of a Singularly Perturbed Inverter-Based Microgrid. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	1
267	Harmonic Voltage Control in Distributed Generation Systems Using Optimal Switching Vector Strategy. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	
266	An Uninterruptable PV Array-Battery Based System Operating in Different Power Modes with Enhanced Power Quality. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	4
265	Cyber Attack Detection and Correction Mechanisms in a Distributed DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	2
264	. <i>IEEE Power Electronics Magazine</i> , <b>2021</b> , 8, 48-54	1.5	1
263	Resilient Protection of Medium Voltage DC Microgrids against Cyber Intrusion. <i>IEEE Transactions on Power Delivery</i> , <b>2021</b> , 1-1	4.3	
262	A Robust \$H_{\infty}\$ Multivariable Stabilizer Design for Droop Based Autonomous AC Microgrid. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 4369-4382	7	7
261	SEPIC-MISO Converter Based PV Water Pumping System- An Improved Performance Under Mismatching Conditions <b>2020</b> ,		3
260	On Detection of False Data in Cooperative DC MicrogridsA Discordant Element Approach. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 6562-6571	8.9	56
259	Distributed Tie-Line Power Flow Control of Autonomous DC Microgrid Clusters. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 11250-11266	7.2	17
258	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 5254-5266	11.9	8
257	A Novel AC Current Sensorless Hysteresis Control for Grid-Tie Inverters. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 2577-2581	3.5	4
256	POWER SYSTEM AND POWER PLANT CONTROL <b>2020</b> , 227-380		0

255	A Linear Regression Based Resilient Optimal Operation of AC Microgrids <b>2020</b> ,		1
254	Investigation of Performance of Electric Load Demand Forecasting with New Architecture Realized in Long Short-Term Memory Deep Learning Network <b>2020</b> ,		1
253	Fully distributed hierarchical control strategy for multi-inverter-based AC microgrids. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 2468-2476	2.9	1
252	A High-Performance Solar PV Array-Wind and Battery Integrated Microgrid for Rural Electrification <b>2020</b> ,		1
251	An Efficient SPV Power Forecasting using Hybrid Wavelet and Genetic Algorithm based LSTM Deep Learning Model <b>2020</b> ,		1
250	Robust Power Sharing between Dual Active Bridges to Improve a DC Microgrid's Stability <b>2020</b> ,		1
249	Self Tuning Wide Area Damping Control for Distributed Power Systems. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 13454-13459	0.7	
248	Dynamic power flow based simplified transfer function model to study instability of low-frequency modes in inverter-based microgrids. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 5634-5645	2.5	1
247	Virtual inertia provision through data centre and electric vehicle for ancillary services support in microgrid. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 3792-3801	2.9	3
246	Fuzzy reinforcement learning based intelligent classifier for power transformer faults. <i>ISA Transactions</i> , <b>2020</b> , 101, 390-398	5.5	23
245	Distributed Screening of Hijacking Attacks in DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 7574-7582	7.2	25
244	Self-Synchronizing VSM With Seamless Operation During Unintentional Islanding Events. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 5680-5690	11.9	3
243	Investigation of Performance of Electric Load Power Forecasting in Multiple Time Horizons With New Architecture Realized in Multivariate Linear Regression and Feed-Forward Neural Network Techniques. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 5603-5612	4.3	7
242	Multifunctional Control for PV-Integrated Battery Energy Storage System With Improved Power Quality. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6835-6845	4.3	8
241	Standalone Single Stage PV-Fed Reduced Switch Inverter Based PMSM for Water Pumping Application. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6526-6535	4.3	8
240	Disturbance-Observer-Based Frequency Regulation Scheme for Low-Inertia Microgrid Systems. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 782-792	4.3	7
239	A Cooperative Adaptive Droop Based Energy Management and Optimal Voltage Regulation Scheme for DC Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 2894-2904	8.9	37
238	Economic Operation and Quality Control in PV-BES-DG-Based Autonomous System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 2346-2356	11.9	2

237	Mitigation of Power and Frequency Instability to Improve Load Sharing Among Distributed Inverters in Microgrid Systems. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 1024-1033	4.3	10
236	A Vehicle-to-Microgrid Framework With Optimization-Incorporated Distributed EV Coordination for a Commercial Neighborhood. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 1788-1798	11.9	10
235	Multi Priority-Queuing algorithm for Real Time Charge Scheduling of Electric Vehicles on Highways based on Time allotment <b>2020</b> ,		1
234	<b>2019</b> ,		1
233	Non-linear disturbance observer-based improved frequency and tie-line power control of modern interconnected power systems. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 3564-3573	2.5	8
232	A Distributed Fixed-Time Secondary Controller for DC Microgrid Clusters. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 1997-2007	5.4	19
231	Second-order sequence filter based control algorithm for single-phase grid interfaced solar PV system. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 2382-2390	2.5	2
230	A standalone BLDC based solar air cooler with MPP tracking for improved efficiency. <i>CSEE Journal of Power and Energy Systems</i> , <b>2019</b> ,	2.3	2
229	A Multilevel Distributed Hybrid Control Scheme for Islanded DC Microgrids. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 4200-4207	4.3	14
228	Harmonic elimination using SW based HSAPF system and evaluation of compensation effect employing ADALINE-DFRSL algorithm. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , <b>2019</b> , 29, 64-81	0.4	1
227	Day-Ahead Scheduling of Electric Vehicles for Overloading Management in Active Distribution System via Web-Based Application. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3422-3432	4.3	10
226	VSC Control of Grid Connected PV for Maintaining Power Supply During Open-Phase Condition in Distribution Network. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 6211-6222	4.3	5
225	Application of modified sine cosine algorithm to optimally design PID/fuzzy-PID controllers to deal with AGC issues in deregulated power system. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 2474-2487	2.5	34
224	Optimal Power Flow Management and Control of Grid Connected Photovoltaic-Battery System. <i>International Journal of Emerging Electric Power Systems</i> , <b>2019</b> , 20,	1.4	2
223	. <i>IEEE Access</i> , <b>2019</b> , 7, 21712-21721	3.5	10
222	A Multi-Level Control and Optimization Scheme for Islanded PV Based Microgrid: A Control Framework. <i>IEEE Journal of Photovoltaics</i> , <b>2019</b> , 9, 822-831	3.7	9
221	MVDC Microgrid Protection Using a Centralized Communication With a Localized Backup Scheme of Adaptive Parameters. <i>IEEE Transactions on Power Delivery</i> , <b>2019</b> , 34, 869-878	4.3	21
220	Fault Ride-Through Strategy for Two-Stage Grid-Connected Photovoltaic System Enabling Load Compensation Capabilities. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 8913-8924	8.9	18

219	Performance Validation of Cooperative Controllers in Autonomous AC Microgrids Under Communication Delay <b>2019</b> ,		3
218	Flexible Control for PV Integrated Battery Energy Storage System <b>2019</b> ,		1
217	A Stealth Cyber-Attack Detection Strategy for DC Microgrids. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 8162-8174	7.2	87
216	. <i>IEEE Journal of Photovoltaics</i> , <b>2019</b> , 9, 278-286	3.7	29
215	Optimal operation of PV-DG-battery based microgrid with power quality conditioner. <i>IET Renewable Power Generation</i> , <b>2019</b> , 13, 418-426	2.9	13
214	. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3194-3202	4.3	6
213	Global Peak Tracking of Photovoltaic Array Under Mismatching Conditions Using Current Control. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 313-320	5.4	9
212	Effect of Partial Shading on PV Fed Induction Motor Water Pumping Systems. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 530-539	5.4	20
211	A Distributed Finite-Time Secondary Average Voltage Regulation and Current Sharing Controller for DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 282-292	10.7	81
210	Coordinated Voltage Control of a Grid Connected Ring DC Microgrid With Energy Hub. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 1939-1948	10.7	20
209	High voltage repetitive pulsed power generator by using modular multilevel converter. <i>International Journal of Ambient Energy</i> , <b>2019</b> , 40, 427-433	2	2
208	Dual Role CDSC-Based Dual Vector Control for Effective Operation of DVR With Harmonic Mitigation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 4-13	8.9	17
207	Design of Multi-Machine Power System Stabilizers with Forecast Uncertainties in Load/Generation. <i>IETE Journal of Research</i> , <b>2019</b> , 65, 44-57	0.9	4
206	CMPVI-Based MIDO Scheme Under SSE for Optimum Energy Balance and Reduced ROI. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 1318-1327	8.2	4
205	Design and Tuning of Robust Fractional Order Controller for Autonomous Microgrid VSC System. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 91-101	4.3	37
204	Event-Triggered Communication Based Distributed Control Scheme for DC Microgrid. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 5583-5593	7	46
203	Power Quality Improvement of Grid-Connected DC Microgrids Using Repetitive Learning-Based PLL Under Abnormal Grid Conditions. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 82-90	4.3	36
202	Fuzzy logic gain-tuned adaptive second-order GI-based multi-objective control for reliable operation of grid-interfaced photovoltaic system. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 1153-1163	2.5	10

201	Single-Phase Single-Stage Grid Tied Solar PV System with Active Power Filtering Using Power Balance Theory. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2018</b> , 99, 301-311	0.9	1
200	A Multi-Objective Adaptive Control Framework in Autonomous DC Microgrid. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 4918-4929	10.7	12
199	An Adaptive Event-Triggered Communication-Based Distributed Secondary Control for DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 6674-6683	10.7	67
198	Dynamic Power Management and Control of a PV PEM Fuel-Cell-Based Standalone ac/dc Microgrid Using Hybrid Energy Storage. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 526-538	4.3	96
197	A linear quadratic regulator for small signal stability improvement of grid connected PMSG <b>2018</b> ,		2
196	A Novel PV Inverter Control for Maximization of Wind Power Penetration. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 6364-6373	4.3	6
195	A containment based distributed finite-time controller for bounded voltage regulation & proportionate current sharing in DC microgrids. <i>Applied Energy</i> , <b>2018</b> , 228, 2526-2538	10.7	7
194	Low-voltage DC ring-bus microgrid protection with rolling mean technique <b>2018</b> ,		2
193	Energy Management of Electric Vehicle Integrated Home in a Time-of-Day Regime. <i>IEEE Transactions on Transportation Electrification</i> , <b>2018</b> , 4, 804-816	7.6	16
192	A double derivative based droop controller for improved power sharing in inverter based autonomous microgrid <b>2018</b> ,		2
191	A consensus based solution to the classic economic dispatch problem on a multi-agent system framework <b>2018</b> ,		1
190	Dual mode operational control of single stage PV-battery based microgrid <b>2018</b> ,		4
189	A single phase double stage grid interfaced photovoltaic system based on improved least mean square algorithm <b>2018</b> ,		2
188	Real and reactive power control of solar grid-tie inverter under distorted grid conditions <b>2018</b> ,		3
187	Robust state feedback current controller with harmonic compensation for single stage grid connected PV inverter with LCL filter <b>2018</b> ,		3
186	Power management and economic load dispatch based control of hybrid PV-battery-diesel standalone AC system <b>2018</b> ,		1
185	Intelligent control scheme for SPV-wind-BESS based microgrid <b>2018</b> ,		1
184	VSC control of grid connected PV for maintaining power supply during open phase condition in distribution network <b>2018</b> ,		1



183	Decentralized power management and load sharing for parallel operation of diesel generator and PV-battery based autonomous AC microgrid <b>2018</b> ,		3
182	Partially Decoupled Adaptive Filter Based Multifunctional Three-Phase GPV System. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 311-320	8.2	12
181	Demand Side Contributions for System Inertia in the GB Power System. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 3521-3530	7	37
180	A Multifunctional GPV System Using Adaptive Observer Based Harmonic Cancellation Technique. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 1347-1357	8.9	22
179	Hybrid Islanding Detection Method based on ROCOF over Reactive Power and d-Axis Current Injection <b>2018</b> ,		4
178	Autonomous Battery Storage Energy System Control of PV-Wind Based DC Microgrid <b>2018</b> ,		2
177	Design and Modeling of High gain DC-DC Converter in Mixed Signal Domain Control for PV based Microgrid Application <b>2018</b> ,		1
176	Predictive Optimal Switching Vector Controller based Microgrid Enabling Switching Frequency Constraint <b>2018</b> ,		1
175	Performance of FCS-MPC based current controller for VSC based DG sources <b>2018</b> ,		1
174	Control Topology of Hybrid Energy Storage System for AC-DC Microgrid <b>2018</b> ,		1
173	Nonlinear Disturbance Observer Based Control of Three Phase Grid Forming Inverter for Distributed Generation System <b>2018</b> ,		1
172	Investigation of Weather Influence in Day-Ahead Hourly Electric Load Power Forecasting with New Architecture Realized in Multivariate Linear Regression & Artificial Neural Network Techniques <b>2018</b> ,		2
171	Single stage PV fed reduced inverter based PMSM for standalone water pumping application <b>2018</b> ,		2
170	Selection of Input Features for Day-Ahead Electric Load Power Forecasting Based on Artificial Neural Network Technique with Novel Framework in Matlab Environment-A Composite Approach <b>2018</b> ,		1
169	A Normalized Adaptive Filter for Enhanced Optimal Operation of Grid Interfaced PV System <b>2018</b> ,		1
168	Grid Interactive MISO Converter Based PV System <b>2018</b> ,		1
167	Power Quality Improvement in Single Phase Solar PV-APF Grid Tied System Using Robust Least-Mixed-Norm (RLMN) Algorithm <b>2018</b> ,		1
166	Cascaded Fractional Order and Sliding Mode Control for an Autonomous Voltage Source Inverter <b>2018</b> ,		1



165	Impact of Presence of Calender Feature in the Performance of Day-Ahead Electric Load Power Forecasting with New Framework Realized in Artificial Neural Network Tehinique using Matlab Programming <b>2018</b> ,		1
164	Implementation of grid interfaced photovoltaic system with active power filter capabilities. <i>International Transactions on Electrical Energy Systems</i> , <b>2018</b> , 28, e2616	2.2	12
163	Power system frequency stabiliser for modern power systems. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 1961-1969	2.5	4
162	AOMH̄MISO Based PV̄CI Irrigation System Using ASCIM Pump. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 4813-4824	4.3	7
161	Efficient global peak tracking of PV system under mismatching conditions using searching technique and bisection method <b>2018</b> ,		2
160	Design of Modified Droop Controller for Frequency Support in Microgrid Using Fleet of Electric Vehicles. <i>IEEE Transactions on Power Systems</i> , <b>2017</b> , 32, 3627-3636	7	37
159	Adaptive neuron detection-based control of single-phase SPV grid integrated system with active filtering. <i>IET Power Electronics</i> , <b>2017</b> , 10, 657-666	2.2	9
158	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 2392-2400	4.3	7
157	. <i>IEEE Journal of Photovoltaics</i> , <b>2017</b> , 7, 839-848	3.7	12
156	Power quality improvement in single phase grid tied solar PV-APF based system using improved LTI-EPLL based control algorithm <b>2017</b> ,		2
155	Single-phase grid interactive solar PV system having active shunt capabilities <b>2017</b> ,		1
154	Tertiary load voltage control in an interconnected DC microgrid with energy hub <b>2017</b> ,		3
153	Coordinated single-phase control scheme for voltage unbalance reduction in low voltage network. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	2
152	Analysis of Hopf bifurcation with forecast uncertainties in load/generation. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 1531-1538	2.5	4
151	A synchronous generator based diesel-PV hybric micro-grid with power quality controller <b>2017</b> ,		2
150	Voltage regulation of residential DC distribution feeder using coordinated battery energy storage units <b>2017</b> ,		2
149	Implementation of demand side management using microcontroller and wireless communication <b>2017</b> ,		6
148	Selection of Most Relevant Input Parameters Using Principle Component Analysis for Extreme Learning Machine Based Power Transformer Fault Diagnosis Model. <i>Electric Power Components and Systems</i> , <b>2017</b> , 45, 1339-1352	1	11

147	Neural Network based Control of SG based Standalone Generating System with Energy Storage for Power Quality Enhancement. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2017</b> , 98, 405-413	0.9	3
146	Handshaking V2G strategy for grid connected PV assisted charging station. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 1410-1417	2.9	6
145	Investigation of Distributed Cooperative Control for DC Microgrids in Different Communication Medium. <i>Energy Procedia</i> , <b>2017</b> , 142, 2218-2223	2.3	1
144	RLMMN adaptive filtering based control scheme for multi-objective GPV system <b>2017</b> ,		1
143	A high voltage gain non-isolated modified three-port DC/DC converter based on integrated Boost-Cuk topology <b>2017</b> ,		5
142	An adaptive droop based cooperative control framework in DC microgrids <b>2017</b> ,		1
141	Modelling a droop controlled multi PV inverter system to study effects of system parameters on oscillatory modes <b>2017</b> ,		1
140	<b>2017</b> ,		1
139	PV energy benefit estimation formulation for PV water pumping system <b>2017</b> ,		3
138	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 4556-4565	4.3	36
137	Single-phase synchronverter for a grid-connected roof top photovoltaic system. <i>IET Renewable Power Generation</i> , <b>2016</b> , 10, 1187-1194	2.9	37
136	Voltage control of a DC microgrid with double-input converter in a multi-PV scenario using PLC <b>2016</b> ,		3
135	Non-linear fractional order controllers for autonomous microgrid system <b>2016</b> ,		7
134	Investigation of voltage template based control of a grid connected DC microgrid under different grid conditions <b>2016</b> ,		4
133	A novel PV inverter control for maximization of wind power penetration <b>2016</b> ,		1
132	<b>2016</b> ,		3
131	Real time implementation of sign-sign lms algorithm in single phase SPV grid integrated system <b>2016</b> ,		2
130	Standalone BLDC based solar air cooler with MPPT tracking for improved efficiency <b>2016</b> ,		2

129	Modified MISO DC-DC converter based PV water pumping system <b>2016,</b>		6
128	Application of fuzzy Q learning (FQL) technique to wind turbine imbalance fault identification using generator current signals <b>2016,</b>		3
127	A consensus priority algorithm based V2G charging framework for frequency response <b>2016,</b>		2
126	Cost benefit of using deloaded PV instead of battery <b>2016,</b>		1
125	Storage Free Smart Energy Management for Frequency Control in a Diesel-PV-Fuel Cell-Based Hybrid AC Microgrid. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2016</b> , 27, 1657-71	10.3	43
124	Maximizing the Power Generation of a Partially Shaded PV Array. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2016</b> , 4, 626-637	5.6	103
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