

sreedhar Madichetty

List of Publications by Year in descending order

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209
papers

3,518
citations

185998

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h-index

174990

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g-index

213
all docs

213
docs citations

213
times ranked

2776
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximizing the Power Generation of a Partially Shaded PV Array. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 626-637.	3.7	175
2	A Stealth Cyber-Attack Detection Strategy for DC Microgrids. IEEE Transactions on Power Electronics, 2019, 34, 8162-8174.	5.4	169
3	Dynamic Power Management and Control of a PV PEM Fuel-Cell-Based Standalone ac/dc Microgrid Using Hybrid Energy Storage. IEEE Transactions on Industry Applications, 2018, 54, 526-538.	3.3	167
4	A Distributed Finite-Time Secondary Average Voltage Regulation and Current Sharing Controller for DC Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 282-292.	6.2	155
5	Steady Output and Fast Tracking MPPT (SOFT-MPPT) for P&O and InC Algorithms. IEEE Transactions on Sustainable Energy, 2021, 12, 293-302.	5.9	130
6	An Adaptive Event-Triggered Communication-Based Distributed Secondary Control for DC Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 6674-6683.	6.2	118
7	On Detection of False Data in Cooperative DC Microgrids—A Discordant Element Approach. IEEE Transactions on Industrial Electronics, 2020, 67, 6562-6571.	5.2	109
8	Demand Side Contributions for System Inertia in the GB Power System. IEEE Transactions on Power Systems, 2018, 33, 3521-3530.	4.6	87
9	Neural-Network-Based Adaptive UPFC for Improving Transient Stability Performance of Power System. IEEE Transactions on Neural Networks, 2006, 17, 461-470.	4.8	83
10	Event-Triggered Communication Based Distributed Control Scheme for DC Microgrid. IEEE Transactions on Power Systems, 2018, 33, 5583-5593.	4.6	81
11	A Cooperative Adaptive Droop Based Energy Management and Optimal Voltage Regulation Scheme for DC Microgrids. IEEE Transactions on Industrial Electronics, 2020, 67, 2894-2904.	5.2	69
12	Estimating State of Charge for xEV Batteries Using 1D Convolutional Neural Networks and Transfer Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 3123-3135.	3.9	68
13	Application of superconducting magnetic energy storage in electrical power and energy systems: a review. International Journal of Energy Research, 2018, 42, 358-368.	2.2	62
14	Design and Tuning of Robust Fractional Order Controller for Autonomous Microgrid VSC System. IEEE Transactions on Industry Applications, 2018, 54, 91-101.	3.3	60
15	Application of modified sine cosine algorithm to optimally design PID/fuzzy-PID controllers to deal with AGC issues in deregulated power system. IET Generation, Transmission and Distribution, 2019, 13, 2474-2487.	1.4	55
16	Single-phase synchronverter for a grid-connected roof top photovoltaic system. IET Renewable Power Generation, 2016, 10, 1187-1194.	1.7	54
17	Distributed Screening of Hijacking Attacks in DC Microgrids. IEEE Transactions on Power Electronics, 2020, 35, 7574-7582.	5.4	53
18	Takagi-Sugeno fuzzy-based incremental conductance algorithm for maximum power point tracking of a photovoltaic generating system. IET Renewable Power Generation, 2014, 8, 900-914.	1.7	48

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19	A new technique in hydro thermal interconnected automatic generation control system by using minority charge carrier inspired algorithm. International Journal of Electrical Power and Energy Systems, 2015, 68, 259-268.	3.3	46
20	Luenberger Observer Based Current Estimated Boost Converter for PV Maximum Power Extractionâ€”A Current Sensorless Approach. IEEE Journal of Photovoltaics, 2019, 9, 278-286.	1.5	45
21	Power Quality Improvement of Grid-Connected DC Microgrids Using Repetitive Learning-Based PLL Under Abnormal Grid Conditions. IEEE Transactions on Industry Applications, 2018, 54, 82-90.	3.3	42
22	A Distributed Fixed-Time Secondary Controller for DC Microgrid Clusters. IEEE Transactions on Energy Conversion, 2019, 34, 1997-2007.	3.7	39
23	MVDC Microgrid Protection Using a Centralized Communication With a Localized Backup Scheme of Adaptive Parameters. IEEE Transactions on Power Delivery, 2019, 34, 869-878.	2.9	38
24	Fuzzy reinforcement learning based intelligent classifier for power transformer faults. ISA Transactions, 2020, 101, 390-398.	3.1	36
25	Application of an Advanced Repetitive Controller to Mitigate Harmonics in MMC With APOD Scheme. IEEE Transactions on Power Electronics, 2016, 31, 6112-6121.	5.4	35
26	Coordinated Voltage Control of a Grid Connected Ring DC Microgrid With Energy Hub. IEEE Transactions on Smart Grid, 2019, 10, 1939-1948.	6.2	34
27	Standalone Single Stage PV-Fed Reduced Switch Inverter Based PMSM for Water Pumping Application. IEEE Transactions on Industry Applications, 2020, 56, 6526-6535.	3.3	31
28	Pattern search algorithm based automatic online parameter estimation for AGC with effects of wind power. International Journal of Electrical Power and Energy Systems, 2017, 84, 135-142.	3.3	29
29	Distributed Tie-Line Power Flow Control of Autonomous DC Microgrid Clusters. IEEE Transactions on Power Electronics, 2020, 35, 11250-11266.	5.4	29
30	A Multifunctional GPV System Using Adaptive Observer Based Harmonic Cancellation Technique. IEEE Transactions on Industrial Electronics, 2018, 65, 1347-1357.	5.2	28
31	Data analytics based neuroâ€”fuzzy controller for dieselâ€”photovoltaic hybrid AC microgrid. IET Generation, Transmission and Distribution, 2015, 9, 193-207.	1.4	26
32	A Multilevel Distributed Hybrid Control Scheme for Islanded DC Microgrids. IEEE Systems Journal, 2019, 13, 4200-4207.	2.9	26
33	Optimal operation of PVâ€”DCâ€”battery based microgrid with power quality conditioner. IET Renewable Power Generation, 2019, 13, 418-426.	1.7	26
34	New harmonic mitigation scheme for modular multilevel converter â€” an experimental approach. IET Power Electronics, 2014, 7, 3090-3100.	1.5	24
35	Energy Management of Electric Vehicle Integrated Home in a Time-of-Day Regime. IEEE Transactions on Transportation Electrification, 2018, 4, 804-816.	5.3	24
36	Efficient power sharing approach for photovoltaic generation based microgrids. IET Renewable Power Generation, 2016, 10, 973-987.	1.7	23

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37	A Robust H_{∞} Multivariable Stabilizer Design for Droop Based Autonomous AC Microgrid. IEEE Transactions on Power Systems, 2020, 35, 4369-4382.	4.6	22
38	Decoupled controller for single-phase grid connected rooftop PV systems to improve voltage profile in residential distribution systems. IET Renewable Power Generation, 2017, 11, 370-377.	1.7	21
39	Day-Ahead Scheduling of Electric Vehicles for Overloading Management in Active Distribution System via Web-Based Application. IEEE Systems Journal, 2019, 13, 3422-3432.	2.9	21
40	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. IEEE Transactions on Industry Applications, 2020, 56, 5603-5612.	3.3	20
41	Application of GEP to investigate the imbalance faults in direct-drive wind turbine using generator current signals. IET Renewable Power Generation, 2018, 12, 279-291.	1.7	19
42	Modular Multilevel Converters Part-I: A Review on Topologies, Modulation, Modeling and Control Schemes. International Journal of Power Electronics and Drive Systems, 2014, 4, .	0.5	19
43	Single-phase solar grid-interfaced system with active filtering using adaptive linear combiner filter-based control scheme. IET Generation, Transmission and Distribution, 2017, 11, 1976-1984.	1.4	18
44	Multi-input single-output DC-DC converter based PV water pumping system. , 2016, , .		17
45	Dynamic power management of PV based islanded microgrid using hybrid energy storage. , 2016, , .		17
46	A Multi-Objective Adaptive Control Framework in Autonomous DC Microgrid. IEEE Transactions on Smart Grid, 2018, 9, 4918-4929.	6.2	17
47	Real-Time Coordinated Control of Low-Voltage DC Distribution Network With Soft Opening Point. IEEE Transactions on Power Electronics, 2021, 36, 7123-7137.	5.4	17
48	Partially Decoupled Adaptive Filter Based Multifunctional Three-Phase GPV System. IEEE Transactions on Sustainable Energy, 2018, 9, 311-320.	5.9	17
49	Adaptive neuron detection-based control of single-phase SPV grid integrated system with active filtering. IET Power Electronics, 2017, 10, 657-666.	1.5	16
50	Selection of Most Relevant Input Parameters Using Principle Component Analysis for Extreme Learning Machine Based Power Transformer Fault Diagnosis Model. Electric Power Components and Systems, 2017, 45, 1339-1352.	1.0	16
51	Return Ratio Shaping Approach to Stabilize Inverter-Weak Grid System. IEEE Transactions on Energy Conversion, 2021, 36, 253-263.	3.7	16
52	Feature selection using RapidMiner and classification through probabilistic neural network for fault diagnostics of power transformer. , 2014, , .		15
53	Implementation of grid interfaced photovoltaic system with active power filter capabilities. International Transactions on Electrical Energy Systems, 2018, 28, e2616.	1.2	15
54	Non-linear disturbance observer-based improved frequency and tie-line power control of modern interconnected power systems. IET Generation, Transmission and Distribution, 2019, 13, 3564-3573.	1.4	15

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55	Multifunctional Control for PV-Integrated Battery Energy Storage System With Improved Power Quality. IEEE Transactions on Industry Applications, 2020, 56, 6835-6845.	3.3	15
56	Bidirectional Power Sharing of Modular DABs to Improve Voltage Stability in DC Microgrids. IEEE Transactions on Industry Applications, 2022, 58, 2369-2377.	3.3	15
57	Circulating current mitigating scheme in MMC based HVDC system with H \hat{z} repetitive controllers. International Journal of Electrical Power and Energy Systems, 2017, 85, 143-152.	3.3	14
58	Fuzzy logic gain-tuned adaptive second-order GLI-based multi-objective control for reliable operation of grid-interfaced photovoltaic system. IET Generation, Transmission and Distribution, 2018, 12, 1153-1163.	1.4	14
59	Auxiliary signal-assisted droop-based secondary frequency control of inverter-based PV microgrids for improvement in power sharing and system stability. IET Renewable Power Generation, 2019, 13, 2328-2337.	1.7	14
60	Global Peak Tracking of Photovoltaic Array Under Mismatching Conditions Using Current Control. IEEE Transactions on Energy Conversion, 2019, 34, 313-320.	3.7	14
61	Handshaking V2G strategy for grid connected PV assisted charging station. IET Renewable Power Generation, 2017, 11, 1410-1417.	1.7	13
62	An experimental study on spectroscopic analysis of alternating liquid dielectrics for transformer. Electrical Engineering, 2021, 103, 921-929.	1.2	13
63	Enhanced Power Quality PV Inverter With Leakage Current Suppression for Three-Phase SECS. IEEE Transactions on Industrial Electronics, 2022, 69, 5756-5767.	5.2	13
64	Modified MISO DC-DC converter based PV water pumping system. , 2016, , .		12
65	Application of modular multilevel converter for AGC in an interconnected power system. International Journal of Electrical Power and Energy Systems, 2016, 74, 293-300.	3.3	12
66	Hybrid Islanding Detection Method based on ROCOF over Reactive Power and d-Axis Current Injection. , 2018, , .		12
67	A Multi-Level Control and Optimization Scheme for Islanded PV Based Microgrid: A Control Frame Work. IEEE Journal of Photovoltaics, 2019, 9, 822-831.	1.5	12
68	A DC Droop-Based Optimal Dispatch Control and Power Management of Hybrid Photovoltaic-Battery and Diesel Generator Standalone AC/DC System. IEEE Systems Journal, 2021, 15, 3012-3023.	2.9	12
69	Hybrid MVMO based controller for energy management in a grid connected DC microgrid. , 2015, , .		11
70	A survey on wind energy, load and price forecasting: (Forecasting methods). , 2016, , .		11
71	CMPVI-Based MIDO Scheme Under SSE for Optimum Energy Balance and Reduced ROI. IEEE Transactions on Sustainable Energy, 2018, 9, 1318-1327.	5.9	11
72	A double derivative based droop controller for improved power sharing in inverter based autonomous microgrid. , 2018, , .		11

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73	Self-Synchronizing VSM With Seamless Operation During Unintentional Islanding Events. IEEE Transactions on Industrial Informatics, 2020, 16, 5680-5690.	7.2	11
74	Cyber Attack Detection and Correction Mechanism in Distributed DC Microgrid. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	11
75	Optimized solutions for an optimization technique based on minority charge carrier inspired algorithm applied to selective harmonic elimination in induction motor drive. , 2012, , .		10
76	Performance evaluation of an isolated system using PMSC based DG set, SPV array and BESS. , 2014, , .		10
77	Modelling of wind energy-based microgrid system implementing MMC. International Journal of Energy Research, 2016, 40, 952-962.	2.2	10
78	Autonomous Battery Storage Energy System Control of PV-Wind Based DC Microgrid. , 2018, , .		10
79	A Novel PV Inverter Control for Maximization of Wind Power Penetration. IEEE Transactions on Industry Applications, 2018, 54, 6364-6373.	3.3	10
80	New trends in electric motors and selection for electric vehicle propulsion systems. IET Electrical Systems in Transportation, 2021, 11, 186-199.	1.5	10
81	A high voltage gain non-isolated modified three-port DC/DC converter based on integrated Boost-Cuk topology. , 2017, , .		9
82	A Three-Sample-Based PLL-Less Hysteresis Current Control and Stability Analysis of a Single-Phase Active Distribution System. IEEE Transactions on Industrial Electronics, 2021, 68, 7045-7060.	5.2	9
83	Virtual inertia provision through data centre and electric vehicle for ancillary services support in microgrid. IET Renewable Power Generation, 2020, 14, 3792-3801.	1.7	9
84	Empirical mode decomposition based probabilistic neural network for faults classification. , 2011, , .		8
85	Single-Phase Single-Stage Grid Tied Solar PV System with Active Power Filtering Using Power Balance Theory. Journal of the Institution of Engineers (India): Series B, 2018, 99, 301-311.	1.3	8
86	Fully distributed hierarchical control strategy for multi-inverter-based AC microgrids. IET Renewable Power Generation, 2020, 14, 2468-2476.	1.7	8
87	Convolution integral based multivariable grey prediction model for solar energy generation forecasting. , 2016, , .		7
88	Application of bacteria foraging algorithm for modular multilevel converter-based microgrid with effect of wind power. Electrical Engineering, 2018, 100, 2023-2036.	1.2	7
89	Power system frequency stabiliser for modern power systems. IET Generation, Transmission and Distribution, 2018, 12, 1961-1969.	1.4	7
90	Double Deadbeat Plus Repetitive Control Scheme for Microgrid System. IEEE Systems Journal, 2019, 13, 3194-3202.	2.9	7

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91	SEPIC-MISO Converter Based PV Water Pumping System- An Improved Performance Under Mismatching Conditions. , 2020, , .		7
92	A Dynamic Model of Impedance for Online Theveninâ€™s Equivalent Estimation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 194-198.	2.2	7
93	Dynamic power flow based simplified transfer function model to study instability of lowâ€™frequency modes in inverterâ€™based microgrids. IET Generation, Transmission and Distribution, 2020, 14, 5634-5645.	1.4	7
94	A Survey and experimental verification of Modular Multilevel Converters. International Journal of Power Electronics and Drive Systems, 2014, 4, .	0.5	7
95	Fault identification of power transformers using Proximal Support Vector Machine (PSVM). , 2014, , .		6
96	ZVCS based high frequency link grid connected SVPWM applied three phase three level diode clamped inverter for photovoltaic applications. , 2014, , .		6
97	A simplified configuration and implementation of a standalone microgrid. , 2015, , .		6
98	Notice of Removal: A review on circulating current suppression control, capacitor voltage balancing and fault analysis of modular multilevel converters. , 2015, , .		6
99	Application of fuzzy Q learning (FQL) technique to wind turbine imbalance fault identification using generator current signals. , 2016, , .		6
100	Power management and economic load dispatch based control of hybrid PV-battery-diesel standalone AC system. , 2018, , .		6
101	A standalone BLDC based solar air cooler with MPP tracking for improved efficiency. CSEE Journal of Power and Energy Systems, 2019, , .	1.7	6
102	Experimental verification of Minority Charge Carrier Inspired Algorithm applied to voltage source inverter. , 2012, , .		5
103	Application of Accelerated Particle Swarm Optimization to multi level diode clamped inverter. , 2012, , .		5
104	Design and operation for a standalone DG-SPV-BES microgrid system. , 2014, , .		5
105	Selective harmonic elimination: Comparative analysis by different optimization methods. , 2014, , .		5
106	Performance analysis of automatic generation control of interconnected power systems with delayed mode operation of area control error. Journal of Engineering, 2015, 2015, 164-173.	0.6	5
107	Real time implementation of EPLL with generalized filtering in single phase grid interfaced SPV system. , 2016, , .		5
108	Grid integration of single-phase single-stage SPV system using an Active Noise Isolation based control algorithm. , 2016, , .		5

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109	A decentralized adaptive droop based power management scheme in autonomous DC microgrid. , 2016, , .		5
110	Investigation of voltage template based control of a grid connected DC microgrid under different grid conditions. , 2016, , .		5
111	Analysis of Hopf bifurcation with forecast uncertainties in load/generation. IET Generation, Transmission and Distribution, 2017, 11, 1531-1538.	1.4	5
112	PV energy benefit estimation formulation for PV water pumping system. , 2017, , .		5
113	Power quality improvement in single phase grid tied solar PV-APF based system using improved LTI-EPLL based control algorithm. , 2017, , .		5
114	Decentralized SoC based Droop with Sliding Mode Current Controller for DC Microgrid. , 2018, , .		5
115	Nonlinear Disturbance Observer Based Control of Three Phase Grid Forming Inverter for Distributed Generation System. , 2018, , .		5
116	Investigation of Weather Influence in Day-Ahead Hourly Electric Load Power Forecasting with New Architecture Realized in Multivariate Linear Regression & Artificial Neural Network Techniques. , 2018, , .		5
117	Second order sequence filter based control algorithm for single phase grid interfaced solar PV system. IET Generation, Transmission and Distribution, 2019, 13, 2382-2390.	1.4	5
118	Design of Multi-Machine Power System Stabilizers with Forecast Uncertainties in Load/Generation. IETE Journal of Research, 2019, 65, 44-57.	1.8	5
119	Decentralized power management and load sharing for parallel operation of diesel generator and PV-battery based autonomous AC microgrid. , 2018, , .		5
120	A Review and Advance Technology in Multi-Area Automatic Generation Control by Using Minority Charge Carrier Inspired Algorithm. International Journal of Emerging Electric Power Systems, 2013, 14, 609-627.	0.6	4
121	Application of gene expression programming (GEP) in power transformers fault diagnosis using DGA. , 2014, , .		4
122	Control of single-stage grid-connected three-phase solar photovoltaic system using sliding mode control. , 2015, , .		4
123	Real time implementation of sign-sign lms algorithm in single phase SPV grid integrated system. , 2016, , .		4
124	Cost benefit of using deloaded PV instead of battery. , 2016, , .		4
125	Grid Interactive MISO Converter Based PV System. , 2018, , .		4
126	Low-voltage DC ring-bus microgrid protection with rolling mean technique. , 2018, , .		4

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127	Modeling and design of solid state smart transformer for microgrid. , 2018, , .		4
128	A single phase double stage grid interfaced photovoltaic system based on improved least mean square algorithm. , 2018, , .		4
129	Real and reactive power control of solar grid-tie inverter under distorted grid conditions. , 2018, , .		4
130	VSC control of grid connected PV for maintaining power supply during open phase condition in distribution network. , 2018, , .		4
131	Multi Priority-Queuing algorithm for Real Time Charge Scheduling of Electric Vehicles on Highways based on Time allotment. , 2020, , .		4
132	Voltage Balancing Scheme in MMC " A New Approach. International Journal of Emerging Electric Power Systems, 2014, 15, 389-399.	0.6	3
133	A comparative analysis of circulating current controllers for modular multilevel converters. , 2015, , .		3
134	Harmonic mitigation scheme for a high-frequency link inverter " a practical approach. HKIE Transactions, 2015, 22, 57-66.	1.9	3
135	Dynamic performance of dq0-frame deadbeat controller for VSC based HVDC system. , 2016, , .		3
136	Application of gene expression programming (GEP) to investigate the health condition of direct-drive wind turbine. , 2016, , .		3
137	A synchronous generator based diesel-PV hybriic micro-grid with power quality controller. , 2017, , .		3
138	Neural Network based Control of SG based Standalone Generating System with Energy Storage for Power Quality Enhancement. Journal of the Institution of Engineers (India): Series B, 2017, 98, 405-413.	1.3	3
139	RLMMN adaptive filtering based control scheme for multi-objective GPV system. , 2017, , .		3
140	Modelling a droop controlled multi PV inverter system to study effects of system parameters on oscillatory modes. , 2017, , .		3
141	Design and Modeling of High gain DC-DC Converter in Mixed Signal Domain Control for PV based Microgrid Application. , 2018, , .		3
142	Control Topology of Hybrid Energy Storage System for AC-DC Microgrid. , 2018, , .		3
143	Adaptive wide area damping control for renewable integrated system. , 2018, , .		3
144	Independent control of active and reactive power for grid connected DFIG using reference power based improved field-oriented control scheme. International Journal of Ambient Energy, 2022, 43, 3252-3265.	1.4	3

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145	Performance Enhancement of PV–DG–BS Distributed Generation System in Islanded Mode. Journal of the Institution of Engineers (India): Series B, 2021, 102, 311-321.	1.3	3
146	Harmonic Voltage Control in Distributed Generation Systems Using Optimal Switching Vector Strategy. IEEE Systems Journal, 2022, 16, 1861-1872.	2.9	3
147	Development of a Smart Energy Community by Coupling Neighbouring Community Microgrids for Enhanced Power Sharing Using Customised Droop Control. Energies, 2021, 14, 5383.	1.6	3
148	An Aggregated Energy Management Methodology for Air Conditioning System With DAB Converter. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 124-132.	3.0	3
149	Design and operation for a standalone DG-SPV-BES microgrid system. , 2014, , .		2
150	Application of gene expression programming (GEP) in power transformers fault diagnosis using DGA. , 2014, , .		2
151	A New Harmonic Mitigation Scheme for MMC – An Experimental Approach. International Journal of Emerging Electric Power Systems, 2014, 15, 299-311.	0.6	2
152	Micro-grid operation and control of Photo-Voltaic power with canal based small hydro power plant. , 2016, , .		2
153	Dynamic stability analysis of off-shore SC-OTEC plant in a multi-machine power system. , 2016, , .		2
154	Improving the performance of PV based water pumping system for fluctuations in irradiance. , 2016, , .		2
155	A consensus priority algorithm based V2G charging framework for frequency response. , 2016, , .		2
156	Coordinated single-phase control scheme for voltage unbalance reduction in low voltage network. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160308.	1.6	2
157	Voltage regulation of residential DC distribution feeder using coordinated battery energy storage units. , 2017, , .		2
158	An adaptive droop based cooperative control framework in DC microgrids. , 2017, , .		2
159	A linear quadratic regulator for small signal stability improvement of grid connected PMSG. , 2018, , .		2
160	Harmonic elimination using SW based HSAPF system and evaluation of compensation effect employing ADALINE-DFR algorithm. EPE Journal (European Power Electronics and Drives Journal), 2019, 29, 64-81.	0.7	2
161	A Novel Coordinated Control Of PV DG System with Battery ESS and Super Capacitor. , 2019, , .		2
162	High voltage repetitive pulsed power generator by using modular multilevel converter. International Journal of Ambient Energy, 2019, 40, 427-433.	1.4	2

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163	Residual Error Modelling based Hybrid Wavelet-ConvLSTM Deep Learning Model to Estimate SOC of EV Batteries. , 2021, , .		2
164	Harmonic Mitigated Front End Three Level Diode Clamped High Frequency Link Inverter by Using MCI Technique. International Journal of Power Electronics and Drive Systems, 2014, 4, .	0.5	2
165	High frequency link soft switched pulse shifted modulated front end 3 level diode clamped inverter using APSO. , 2014, , .		1
166	Dynamic response of nonlinear electrical analogue hydroelectric turbine model. , 2015, , .		1
167	Fast power system stabilizer tuning in large power systems. , 2015, , .		1
168	An efficient multi objective optimization approach for robust tuning of power system stabilizers. , 2016, , .		1
169	Real time implementation of MAD technique for single-phase SPV grid interfaced system. , 2016, , .		1
170	Coordinated control of a grid connected DC micro-grid with multiple renewable sources. , 2016, , .		1
171	A New Control Algorithm for Power Quality Improvement in a Stand-alone Synchronous Reluctance Generator with Energy Storage. Electric Power Components and Systems, 2016, 44, 2198-2211.	1.0	1
172	A novel PV inverter control for maximization of wind power penetration. , 2016, , .		1
173	Improved adaptive detection based control of grid integrating solar energy system. , 2016, , .		1
174	Coordinated controller design and stability analysis of DC microgrid with constant power load. , 2017, , .		1
175	Quadratic regulator based optimal state feedback controller for stability improvement of inverter based microgrids. , 2017, , .		1
176	Single-phase grid interactive solar PV system having active shunt capabilities. , 2017, , .		1
177	A Normalized Adaptive Filter for Enhanced Optimal Operation of Grid Interfaced PV System. , 2018, , .		1
178	Power Quality Improvement in Single Phase Solar PV-APF Grid Tied System Using Robust Least-Mixed-Norm (RLMN) Algorithm. , 2018, , .		1
179	Cascaded Fractional Order and Sliding Mode Control for an Autonomous Voltage Source Inverter. , 2018, , .		1
180	Impacts of system non-linearities on communication delay margin for power systems having open channel communication based automatic generation control. , 2018, , .		1

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181	A consensus based solution to the classic economic dispatch problem on a multi-agent system framework. , 2018, , .		1
182	Modeling and design of virtual inertia based rooftop PV. , 2018, , .		1
183	PV-battery based single phase microgrid with grid synchronization and de-synchronization capabilities. , 2018, , .		1
184	Intelligent control scheme for SPV-wind-BESS based microgrid. , 2018, , .		1
185	Computation of Delay Margin in a Power System Having Open Channel Communication Based Automatic Generation Control using Pade \hat{A} Approximation. , 2019, , .		1
186	Flexible Control for PV Integrated Battery Energy Storage System. , 2019, , .		1
187	The black-start capability improvement of VSC-based HVDC transmission system using fuzzy-adaptive PI controller. International Journal of Ambient Energy, 2020, , 1-9.	1.4	1
188	Virtual Flux based Enhanced Predictive DPC Technique for Grid Connected Converter with Improved Power Quality Performance. , 2020, , .		1
189	Fast terminal sliding mode control for improved transient state power sharing between parallel VSCs in an autonomous microgrid under different loading conditions. IET Renewable Power Generation, 2020, 14, 1063-1073.	1.7	1
190	Adaptive Control for Voltage Source Converter Connected to Weak Grid Based on Backstepping Method. , 2020, , .		1
191	A Transformerless Photovoltaic Microinverter using High-gain Z-Source Boost Converter for Single-phase Grid connected Applications. , 2020, , .		1
192	Maximum Power Point in a Single Step: A Novel Method for PV Industry. IEEE Power Electronics Magazine, 2021, 8, 48-54.	0.6	1
193	A comparative analysis of circulating current controllers for modular multilevel converters. , 2015, , .		0
194	On enhancing inertial capabilities of static sources in realm of distribution network. , 2016, , .		0
195	Gas assisted doubly fed induction generator with ramp rate controller. IET Renewable Power Generation, 2016, 10, 955-963.	1.7	0
196	A non-linear adaptive control strategy for grid connected DC microgrid. , 2016, , .		0
197	A Correntropy Based Control Algorithm for a Single-Phase Double Stage Grid Integrated Solar PV System. , 2017, , .		0
198	Accurate Magnitude Integrator - Quadrature Signal Generator based Single-Phase Double Stage Grid Tied Solar PV System for Power Conditioning. , 2018, , .		0

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199	Real Time Implementation of Control for Grid Integrated Photovoltaic with a Battery Support. , 2018, , .		0
200	Empirical Mode Decomposition based Identification of Low Frequency Modes in Inverter based Microgrid. , 2018, , .		0
201	Implementation of Pre-Filtering Based Adaptive Control for Solar PV System Tied to Weak Grid. , 2018, , .		0
202	An Adaptive Control For Power Sharing Between Single Phase Parallel Inverter In Autonomous Microgrid. , 2018, , .		0
203	Multi-Objective Control Algorithm for Solar PV-Battery based Microgrid. , 2018, , .		0
204	Output Feedback Adaptive Control for Inter-area Oscillation Damping Under Power System Uncertainties. , 2019, , .		0
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