

Huiqing Wen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2475819/huiqing-wen-publications-by-citations.pdf>

Version: 2024-04-29

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.

227
papers

4,184
citations

35
h-index

55
g-index

281
ext. papers

5,746
ext. citations

5.6
avg, IF

6.32
L-index

#	Paper	IF	Citations
227	Regulation of Photovoltaic Voltage. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 1365-1374	8.9	219
226	A Parameterization Approach for Enhancing PV Model Accuracy. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 5708-5716	8.9	155
225	Analysis and Evaluation of DC-Link Capacitors for High-Power-Density Electric Vehicle Drive Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 2950-2964	6.8	130
224	Communication systems for grid integration of renewable energy resources. <i>IEEE Network</i> , 2011 , 25, 22-29	11.4	112
223	Efficient Approaches for Modeling and Simulating Photovoltaic Power Systems. <i>IEEE Journal of Photovoltaics</i> , 2013 , 3, 500-508	3.7	111
222	Application of Centered Differentiation and Steepest Descent to Maximum Power Point Tracking. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 2539-2549	8.9	111
221	Nonactive Power Loss Minimization in a Bidirectional Isolated DCDC Converter for Distributed Power Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 6822-6831	8.9	107
220	Reliability Evaluation of Grid-Connected Photovoltaic Power Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2012 , 3, 379-389	8.2	104
219	Fault ride through capability for grid interfacing large scale PV power plants. <i>IET Generation, Transmission and Distribution</i> , 2013 , 7, 1027-1036	2.5	93
218	Three-Port DCDC Converter for Stand-Alone Photovoltaic Systems. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 3068-3076	7.2	91
217	Minimum-Backflow-Power Scheme of DAB-Based Solid-State Transformer With Extended-Phase-Shift Control. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 3483-3496	4.3	81
216	A novel beta parameter based fuzzy-logic controller for photovoltaic MPPT application. <i>Renewable Energy</i> , 2019 , 130, 416-427	8.1	79
215	DC Offset Rejection Improvement in Single-Phase SOGI-PLL Algorithms: Methods Review and Experimental Evaluation. <i>IEEE Access</i> , 2017 , 5, 12810-12819	3.5	77
214	. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1298-1310	11.9	64
213	An Improved MPPT Method for PV System With Fast-Converging Speed and Zero Oscillation. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 5051-5064	4.3	63
212	Analysis of the optimum tilt angle for a soiled PV panel. <i>Energy Conversion and Management</i> , 2017 , 148, 100-109	10.6	60
211	A Fast and Fixed Switching Frequency Model Predictive Control With Delay Compensation for Three-Phase Inverters. <i>IEEE Access</i> , 2017 , 5, 17904-17913	3.5	58

210	Minimum-Reactive-Power Scheme of Dual-Active-Bridge DCDC Converter With Three-Level Modulated Phase-Shift Control. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 5573-5586	4.3	58
209	Reactive Power Minimization in Bidirectional DCDC Converters Using a Unified-Phasor-Based Particle Swarm Optimization. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 10990-11006	7.2	56
208	Modified Beta Algorithm for GMPPT and Partial Shading Detection in Photovoltaic Systems. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 2172-2186	7.2	56
207	Review of grid-tied converter topologies used in photovoltaic systems. <i>IET Renewable Power Generation</i> , 2016 , 10, 1543-1551	2.9	53
206	Overview of maximum power point tracking technologies for photovoltaic power systems 2011 ,		50
205	Single-Switch High Step-Up DCDC Converter With Low and Steady Switch Voltage Stress. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 9326-9338	8.9	45
204	Electrical and Electronic Technologies in More-Electric Aircraft: A Review. <i>IEEE Access</i> , 2019 , 7, 76145-76166	3.66	45
203	A DC-Bus Capacitor Discharge Strategy for PMSM Drive System With Large Inertia and Small System Safe Current in EVs. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 4709-4718	11.9	44
202	Forecasting-Based Power Ramp-Rate Control Strategies for Utility-Scale PV Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 1862-1871	8.9	44
201	Bidirectional flyback based isolated-port submodule differential power processing optimizer for photovoltaic applications. <i>Solar Energy</i> , 2017 , 158, 929-940	6.8	44
200	Gallium-Nitride-Based Submodule Integrated Converters for High-Efficiency Distributed Maximum Power Point Tracking PV Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 966-975	8.9	43
199	An Efficient Modeling Technique to Simulate and Control Submodule-Integrated PV System for Single-Phase Grid Connection. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 96-107	8.2	42
198	A Constant Switching Frequency Model Predictive Control Without Weighting Factors for T-Type Single-Phase Three-Level Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 5153-5164	8.9	41
197	Design and performance evaluation of a bidirectional isolated dc/dc converter with extended dual-phase-shift scheme. <i>IET Power Electronics</i> , 2013 , 6, 914-924	2.2	39
196	Comprehensive Studies on Operational Principles for Maximum Power Point Tracking in Photovoltaic Systems. <i>IEEE Access</i> , 2019 , 7, 121407-121420	3.5	38
195	A Novel Sensorless Photovoltaic Power Reserve Control With Simple Real-Time MPP Estimation. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7521-7531	7.2	37
194	DC-link voltage control strategy for reducing capacitance and total harmonic distortion in single-phase grid-connected photovoltaic inverters. <i>IET Power Electronics</i> , 2015 , 8, 1386-1393	2.2	36
193	Detection and Assessment of Partial Shading Scenarios on Photovoltaic Strings. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 6279-6289	4.3	35

192	Advanced Fault Ride-Through Management Scheme for VSC-HVDC Connecting Offshore Wind Farms. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 4923-4934	7	34
191	Novel Fault Ride-Through Configuration and Transient Management Scheme for Doubly Fed Induction Generator. <i>IEEE Transactions on Energy Conversion</i> , 2013 , 28, 86-94	5.4	34
190	Dual-coupled inductors-based high step-up DC/DC converter without input electrolytic capacitor for PV application. <i>IET Power Electronics</i> , 2017 , 10, 646-656	2.2	32
189	New Modular Structure DCDC Converter Without Electrolytic Capacitors for Renewable Energy Applications. <i>IEEE Transactions on Sustainable Energy</i> , 2014 , 5, 1184-1192	8.2	32
188	An Improved Beta Method With Autoscaling Factor for Photovoltaic System. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 4281-4291	4.3	32
187	Transient DC Bias Elimination of Dual-Active-Bridge DCDC Converter With Improved Triple-Phase-Shift Control. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 8587-8598	8.9	31
186	Designing Localized MPPT for PV Systems Using Fuzzy-Weighted Extreme Learning Machine. <i>Energies</i> , 2018 , 11, 2615	3.1	30
185	Closed-Form Solution of Time-Varying Model and Its Applications for Output Current Harmonics in Two-Stage PV Inverter. <i>IEEE Transactions on Sustainable Energy</i> , 2015 , 6, 142-150	8.2	28
184	Hybrid-mode interleaved boost converter design for fuel cell electric vehicles. <i>Energy Conversion and Management</i> , 2016 , 122, 477-487	10.6	28
183	. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 3247-3257	7.2	27
182	Synchronous buck converter based low-cost and high-efficiency sub-module DMPPT PV system under partial shading conditions. <i>Energy Conversion and Management</i> , 2016 , 126, 473-487	10.6	27
181	A Comparative Study on Photovoltaic MPPT Algorithms Under EN50530 Dynamic Test Procedure. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4153-4168	7.2	26
180	A novel global maximum power point tracking algorithm for photovoltaic system with variable perturbation frequency and zero oscillation. <i>Solar Energy</i> , 2019 , 181, 345-356	6.8	25
179	Statistic and Parallel Testing Procedure for Evaluating Maximum Power Point Tracking Algorithms of Photovoltaic Power Systems. <i>IEEE Journal of Photovoltaics</i> , 2013 , 3, 1062-1069	3.7	25
178	. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 1397-1406	11.9	25
177	A novel power-increment based GMPPT algorithm for PV arrays under partial shading conditions. <i>Solar Energy</i> , 2018 , 169, 353-361	6.8	24
176	Multiobjective Finite Control Set Model Predictive Control Using Novel Delay Compensation Technique for PMSM. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 11193-11204	7.2	23
175	Online Supervisory Voltage Control for Grid Interface of Utility-Level PV Plants. <i>IEEE Transactions on Sustainable Energy</i> , 2014 , 5, 843-853	8.2	23

174	Novel Configuration and Transient Management Control Strategy for VSC-HVDC. <i>IEEE Transactions on Power Systems</i> , 2014 , 29, 2478-2488	7	22
173	An Optimized Model Predictive Control for Three-Phase Four-Level Hybrid-Clamped Converters. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 6470-6481	7.2	22
172	An Advanced Maximum Power Point Tracking Method for Photovoltaic Systems by Using Variable Universe Fuzzy Logic Control Considering Temperature Variability. <i>Electronics (Switzerland)</i> , 2018 , 7, 355	2.6	22
171	Adaptive perturb and observe maximum power point tracking with current predictive and decoupled power control for grid-connected photovoltaic inverters. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019 , 7, 422-432	4	21
170	Forecasting based power ramp-rate control for PV systems without energy storage 2017 ,		21
169	A soft-switching post-regulator for multi-outputs dual forward DC/DC converter with tight output voltage regulation. <i>IET Power Electronics</i> , 2013 , 6, 1069-1077	2.2	21
168	Reactive Power and Soft-Switching Capability Analysis of Dual-Active-Bridge DC-DC Converters with Dual-Phase-Shift Control. <i>Journal of Power Electronics</i> , 2015 , 15, 18-30	0.9	21
167	A New PV System Configuration Based on Submodule Integrated Converters. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 3278-3284	7.2	20
166	Multiple-Voltage-Vector Model Predictive Control With Reduced Complexity for Multilevel Inverters. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 105-117	7.6	20
165	Novel Piecewise Linear Formation of Droop Strategy for DC Microgrid. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 6747-6755	10.7	19
164	Double-Vector Model Predictive Control for Single-Phase Five-Level Actively Clamped Converters. <i>IEEE Transactions on Transportation Electrification</i> , 2019 , 5, 1202-1213	7.6	19
163	Evaluation of Shunt Model for Simulating Photovoltaic Modules. <i>IEEE Journal of Photovoltaics</i> , 2018 , 8, 1818-1823	3.7	19
162	Fault Ride-Through Configuration and Transient Management Scheme for Self-Excited Induction Generator-Based Wind Turbine. <i>IEEE Transactions on Sustainable Energy</i> , 2014 , 5, 148-159	8.2	18
161	Drift-free current sensorless MPPT algorithm in photovoltaic systems. <i>Solar Energy</i> , 2019 , 177, 118-126	6.8	18
160	Photovoltaic Modified β -Parameter-based MPPT Method with Fast Tracking. <i>Journal of Power Electronics</i> , 2016 , 16, 9-17	0.9	16
159	Power ramp-rates of utility-scale PV systems under passing clouds: Module-level emulation with cloud shadow modeling. <i>Applied Energy</i> , 2020 , 268, 114980	10.7	16
158	Open-Circuit Fault Diagnosis of Dual Active Bridge DC-DC Converter With Extended-Phase-Shift Control. <i>IEEE Access</i> , 2019 , 7, 23752-23765	3.5	15
157	Computation-Efficient Model Predictive Control With Common-Mode Voltage Elimination for Five-Level ANPC Converters. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 970-984	7.6	15

156	A High Conversion Ratio and High-Efficiency Bidirectional DCDC Converter With Reduced Voltage Stress. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 11827-11842	7.2	15
155	Efficiency Optimization of DC Solid-State Transformer for Photovoltaic Power Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3583-3595	8.9	15
154	Perturbation Estimation Based Nonlinear Adaptive Power Decoupling Control for DFIG Wind Turbine. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 319-333	7.2	15
153	Elimination of Photovoltaic Mismatching With Improved Submodule Differential Power Processing. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2822-2833	8.9	15
152	Monolithic integration design of GaN-based power chip including gate driver for high-temperature DCDC converters. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 056505	1.4	14
151	Dispatching and Frequency Control Strategies for Marine Current Turbines Based on Doubly Fed Induction Generator. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 262-270	8.2	14
150	Sensor network based PV power nowcasting with spatio-temporal preselection for grid-friendly control. <i>Applied Energy</i> , 2019 , 255, 113760	10.7	14
149	Integration of Start/Stop Mechanism to Improve Maximum Power Point Tracking Performance in Steady State. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6126-6135	8.9	14
148	A Reconfiguration Method for Extracting Maximum Power from Non-Uniform Aging Solar Panels. <i>Energies</i> , 2018 , 11, 2743	3.1	14
147	Low-Complexity Power Balancing Point-Based Optimization for Photovoltaic Differential Power Processing. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 10306-10322	7.2	13
146	Deadband Effect and Accurate ZVS Boundaries of GaN-Based Dual-Active-Bridge Converters With Multiple-Phase-Shift Control. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 9886-9903	7.2	13
145	Adaptive Droop Control of Multi-Terminal HVDC Network for Frequency Regulation and Power Sharing. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 566-578	7	13
144	Topology Derivation and Analysis of Integrated Multiple Output Isolated DCDC Converters With Stacked Configuration for Low-Cost Applications. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2017 , 64, 2207-2218	3.9	12
143	Simulation and Analysis of Perturbation and Observation-Based Self-Adaptable Step Size Maximum Power Point Tracking Strategy with Low Power Loss for Photovoltaics. <i>Energies</i> , 2019 , 12, 92	3.1	12
142	Perturbation optimization of maximum power point tracking of photovoltaic power systems based on practical solar irradiance data 2015 ,		12
141	Robust LMI-LQR Control for Dual-Active-Bridge DCDC Converters With High Parameter Uncertainties. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 131-145	7.6	12
140	Operating modes and practical power flow analysis of bidirectional isolated power interface for distributed power systems. <i>Energy Conversion and Management</i> , 2016 , 111, 229-238	10.6	12
139	Silencing of EPCAM suppresses hepatic fibrosis and hepatic stellate cell proliferation in mice with alcoholic hepatitis via the PI3K/Akt/mTOR signaling pathway. <i>Cell Cycle</i> , 2019 , 18, 2239-2254	4.7	12

138	Current-Fed High-Frequency AC Distributed Power System for Medium-High-Voltage Gate Driving Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 3736-3751	8.9	12
137	Estimating power losses in Dual Active Bridge DC-DC converter 2011 ,		12
136	Evaluation of different maximum power point tracking (MPPT) techniques based on practical meteorological data 2016 ,		12
135	Monolithic GaN Half-Bridge Stages With Integrated Gate Drivers for High Temperature DC-DC Buck Converters. <i>IEEE Access</i> , 2019 , 7, 184375-184384	3.5	12
134	mixed-sensitivity robust control design for damping low-frequency oscillations with DFIG wind power generation. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 4274-4286	2.5	12
133	Reconfigurable Nonisolated DCDC Converter With Fault-Tolerant Capability. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 8934-8943	7.2	11
132	Adaptive control of grid connected photovoltaic inverter for maximum VA utilization 2013 ,		11
131	Novel Power Smoothing and Generation Scheduling Strategies for a Hybrid Wind and Marine Current Turbine System. <i>IEEE Transactions on Power Systems</i> , 2016 , 1-1	7	11
130	Power ramp-rate control based on power forecasting for PV grid-tied systems with minimum energy storage 2017 ,		10
129	Improved beta parameter based MPPT method in photovoltaic system 2015 ,		10
128	Passive harmonic filter planning to overcome power quality issues in radial distribution systems 2012 ,		10
127	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 1890-1902	4.3	10
126	Fault Diagnosis and Tolerant Control of Dual-Active-Bridge Converter With Triple-Phase Shift Control for Bidirectional EV Charging Systems. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 287-303	7.6	10
125	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 2353-2364	5.5	9
124	Design of a novel MPPT algorithm based on the two stage searching method for PV systems under partial shading 2017 ,		9
123	Analysis and minimisation of DC bus surge voltage for electric vehicle applications. <i>IET Electrical Systems in Transportation</i> , 2012 , 2, 68	2.1	9
122	Reliable Winding-Based DC-Bus Capacitor Discharge Technique Over Full-Speed Range for IPMSM Drive in Electric Vehicles Without Position Sensor. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 8131-8142	8.9	9
121	Single-Phase LED Driver With Reduced Power Processing and Power Decoupling. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4540-4548	7.2	9

120	A Comprehensive Review of Fault Diagnosis and Tolerant Control in DC-DC Converters for DC Microgrids. <i>IEEE Access</i> , 2021 , 9, 80100-80127	3.5	9
119	Power rating analysis and protection for photovoltaic-isolated port based differential power processing systems. <i>Solar Energy</i> , 2019 , 193, 458-472	6.8	8
118	Synthetic Internal Voltage Phase Amplitude Dynamics Investigation for Electric Drivetrain Small-Signal Model in Electromechanical Control Timescale for a Wound Rotor Induction Machine-Based Shipboard Power System. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 844-855	7.6	8
117	Reactive power loss optimization method for bi-directional isolated DC-DC converters 2014 ,		8
116	Hybrid DC-Bus Capacitor Discharge Strategy Using Internal Windings and External Bleeder for Surface-Mounted PMSM-Based EV Powertrains in Emergency. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1905-1915	8.9	8
115	Low Complexity Finite-Control-Set MPC Based on Discrete Space Vector Modulation for T-Type Three-Phase Three-Level Converters. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 392-403	7.2	8
114	A method to improve the transient response of dq-frame cascaded delayed-signal-cancellation PLL. <i>Electric Power Systems Research</i> , 2018 , 155, 121-130	3.5	7
113	Monolithic Comparator and Sawtooth Generator of AlGaIn/GaN MIS-HEMTs With Threshold Voltage Modulation for High-Temperature Applications. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 2673-2679	7.9	7
112	Winding-Based DC-Bus Capacitor Discharge Technique Selection Principles Based on Parametric Analysis for EV-PMSM Drives in Post-Crash Conditions. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 3551-3562	7.2	7
111	The Fault Detection, Localization, and Tolerant Operation of Modular Multilevel Converters with an Insulated Gate Bipolar Transistor (IGBT) Open Circuit Fault. <i>Energies</i> , 2018 , 11, 837	3.1	6
110	Analysis and experimental verification of a single-switch high-voltage gain ZCS DCDC converter. <i>IET Power Electronics</i> , 2019 , 12, 2146-2153	2.2	6
109	Allowable DG penetration level considering harmonic distortions 2011 ,		6
108	Accurate FCS Model Predictive Current Control Technique for Surface-Mounted PMSMs at Low Control Frequency. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 5567-5572	7.2	6
107	Research on slow-scale bifurcation phenomenon of PFC cascade converter. <i>IET Power Electronics</i> , 2016 , 9, 2824-2832	2.2	6
106	Position Sensor Fault Detection of IPMSM Using Single DC-Bus Current Sensor With Accuracy Uncertainty. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019 , 24, 753-762	5.5	6
105	Self-Calibration of Phase Current Sensors With Sampling Errors by Multipoint Sampling of Current Values in a Single PWM Cycle. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2942-2951	8.9	6
104	Development of Frequency-Fixed All-Pass Filter based Single-Phase Phase-Locked Loop. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	6
103	An Efficient Model Predictive Control Using Virtual Voltage Vectors for Three-phase Three-level Converters with Constant Switching Frequency. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	6

102	Effect of High-k Passivation Layer on High Voltage Properties of GaN Metal-Insulator-Semiconductor Devices. <i>IEEE Access</i> , 2020 , 8, 95642-95649	3.5	5
101	Realisation of RPS from electrical home appliances in a smart home energy management system. <i>IET Smart Grid</i> , 2020 , 3, 11-21	2.7	5
100	Multi-Port High Voltage Gain Modular Power Converter for Offshore Wind Farms. <i>Sustainability</i> , 2018 , 10, 2176	3.6	5
99	Internal Voltage Phase-Amplitude Dynamic Analysis With Interface Friendly Back-To-Back Power Converter Average Model for Less Power Electronics-Based More-Electric Ship. <i>IEEE Access</i> , 2019 , 7, 93339-93351	3.5	5
98	An On-Line State Evaluation Method of Smart Meters Based on Information Fusion. <i>IEEE Access</i> , 2019 , 7, 163665-163676	3.5	5
97	Design and optimization of the PV-virtual-bus differential power processing photovoltaic systems 2017 ,		5
96	Modeling and LVRT analysis of DFIG wind power system 2015 ,		5
95	Optimized Transient Modulation Control of Bidirectional Full-Bridge DC-DC Converter 2019 ,		5
94	A cost-effective power ramp rate control strategy based on flexible power point tracking for photovoltaic system. <i>Solar Energy</i> , 2020 , 208, 1058-1067	6.8	5
93	Dual-loop control of transfer delay based PLL for fast dynamics in single-phase AC power systems. <i>IET Power Electronics</i> , 2019 , 12, 3571-3581	2.2	5
92	High-Performance Photovoltaic Constant Power Generation Control With Rapid Maximum Power Point Estimation. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 714-729	4.3	5
91	Model Predictive Current Control With Low Complexity for Single-Phase Four-Level Hybrid-Clamped Converters. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 983-999	7.6	5
90	Multiple-Fault-Tolerant Dual Active Bridge Converter for DC Distribution System. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	5
89	A Modulation Method for Capacitance Reduction in Active-Clamp Flyback-Based ACDC Adapters. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	5
88	An Optimal Control for Dual-Active-Bridge DC-DC Converter in Eliminating Transient DC Bias Current 2019 ,		4
87	A modified MPPT technique based on the MPP-locus method for photovoltaic system 2017 ,		4
86	Review of current sensorless maximum power point tracking technologies for photovoltaic power systems 2013 ,		4
85	Modeling and control of DAB applied in a PV based DC microgrid 2012 ,		4

84	Low conduction loss and low device stress three-level power factor correction rectifier. <i>IET Power Electronics</i> , 2013 , 6, 478-487	2.2	4
83	A Comparative Review of High-Frequency Transient DC Bias Current Mitigation Strategies in Dual-Active-Bridge DC-DC Converters Under Phase-Shift Modulations. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	4
82	. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 6101-6111	8.9	4
81	An Enhanced $0.8V_{OC}$ -Model-Based Global Maximum Power Point Tracking Method for Photovoltaic Systems. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 6825-6834	4.3	4
80	High frequency inverter topologies integrated with the coupled inductor bridge arm. <i>IET Power Electronics</i> , 2016 , 9, 1144-1152	2.2	4
79	Control method for flyback based submodule integrated converter with differential power processing structure 2016 ,		4
78	Modeling and analysis of coordinated control strategies in AC microgrid 2016 ,		4
77	Evaluation of different Maximum power point tracking techniques by using EN 50530 dynamic test standard 2016 ,		4
76	Generator-based threshold for transient stability assessment. <i>IET Smart Grid</i> , 2019 , 2, 407-419	2.7	4
75	A practical load sharing control strategy for DC microgrids and DC supplied houses 2013 ,		3
74	Minimum-power-tracking for PV-PV differential power processing systems 2017 ,		3
73	Review and simulation of flyback topology for module level parallel inverters in PV power systems 2017 ,		3
72	A Monolithically Integrated 2-Transistor Voltage Reference with a Wide Temperature Range Based on AlGaIn/GaN Technology. <i>IEEE Electron Device Letters</i> , 2022 , 1-1	4.4	3
71	Enhanced Single-phase Phase Locked Loop based on Complex-Coefficient Filter. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	3
70	A Graph Neural Network based Deep Learning Predictor for Spatio-Temporal Group Solar Irradiance Forecasting. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	3
69	Control Strategies for Dc-bias Current Elimination in Dual-Active-Bridge DC-DC Converter: An Overview 2020 ,		3
68	Control and protection of DC Microgrid with battery energy storage system 2016 ,		3
67	Unified harmonics based method to reduce reactive power of the dual active bridge converter 2016 ,		3

66	Modeling and simulation of energy control strategies in AC Microgrid 2016,		3
65	Universal Transient DC-Bias Current Suppression Strategy in Dual-Active-Bridge Converters for Energy Storage Systems. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 509-526	7.6	3
64	An Enhanced Time Delay Based Reference Current Identification Method for Single Phase System. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2021 , 1-1	2.6	3
63	Design and Optimization of PV-Isolated-Port Photovoltaic Differential Power Processing System 2018,		3
62	Design a Modified Bi-Directional Converter for Solar LED Lighting System 2018,		3
61	Low ON-State Resistance Normally-OFF AlGaN/GaN MIS-HEMTs With Partially Recessed Gate and ZrOx Charge Trapping Layer. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 4310-4316	2.9	3
60	Minimum-Current-Stress Scheme of Three-Level Dual-Active-Bridge DCDC Converters With the Particle Swarm Optimization. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 2067-2084	7.6	3
59	An experimental study of MAF-SRF-PLL with comb compensator 2017,		2
58	Effect of High-k Passivation Layer on Electrical Properties of GaN Metal-Insulator-Semiconductor Devices 2019,		2
57	Design and Evaluation of GaN-based Over-Temperature Protection Circuit 2019,		2
56	Fault Diagnosis of Isolated Bidirectional DC/DC Converter with Triple Phase-Shift Control 2019,		2
55	Analysis, Design, and Experimental Verification of High Step-up DC-DC Converter to Interface Renewable Energy Sources into DC Nanogrid 2019,		2
54	Advanced Modulation Scheme of Dual Active Bridge for High Conversion Efficiency 2019,		2
53	Bridging the transition to DC distribution: A hybrid microgrid for residential apartments 2017,		2
52	Distributed MPPT control under partial shading condition 2016,		2
51	Global MPPT Method for Photovoltaic Systems Operating under Partial Shading Conditions using the 0.8VOC Model 2019,		2
50	Hierarchical coordinated control for DC microgrid with crowbar and load shedding control 2017,		2
49	Practical Implementation of an Interleaved Boost Converter for Electric Vehicle Applications. <i>Journal of Power Electronics</i> , 2015 , 15, 1035-1046	0.9	2

48	Simulation Evaluation of Floating Photovoltaic Power System 2020 ,		2
47	Reactive power reduction method based on harmonics analysis for dual active bridge converters with 3-level modulated phase-shift control 2016 ,		2
46	An Adaptive Ramp-Rate Control for Photovoltaic System to Mitigate Output Fluctuation 2019 ,		2
45	Minimum-Current-Stress Boundary Control Using Multiple-Phase-Shift-Based Switching Surfaces. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 8718-8729	8.9	2
44	A fast and accurate approach for power losses quantification of photovoltaic power systems under partial-shading conditions. <i>IET Renewable Power Generation</i> , 2021 , 15, 939-951	2.9	2
43	Exploration of Virtual Laboratory in Power Engineering Courses 2018 ,		2
42	Triple-Phase-Shifted Bidirectional Full-Bridge Converter with Wide range ZVS 2018 ,		2
41	Feasibility Study on Using Electrical Home Appliances for Distributed Reactive Power Support 2018 ,		2
40	Optimal Analysis and Design of DC-DC Converter to Achieve High Voltage Conversion Gain and High Efficiency for Renewable Energy Systems 2018 ,		2
39	Coordinated Frequency Regulation Using Solar Forecasting Based Virtual Inertia Control for Islanded Microgrids. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 2393-2403	8.2	2
38	SRF-PLL with in-loop differentiator decouple filter for unbalanced three-phase systems 2017 ,		1
37	Advanced Control Scheme for DC Microgrid via Dual Active Bridge and Bus Signaling 2019 ,		1
36	Improved deterministic real-time estimation of Maximum Power Point in photovoltaic power systems 2015 ,		1
35	The Impact of Etch Depth of D-mode AlGaIn/GaN MIS-HEMTs on DC and AC Characteristics of 10 V Input Direct-Coupled FET Logic (DCFL) Inverters 2019 ,		1
34	Modeling and MPPT control of DFIG wind energy system 2015 ,		1
33	Control approach to achieve burst mode operation with DC-link voltage protection in single-phase two-stage PV inverters 2014 ,		1
32	LED driver based on novel ripple cancellation technique for flicker-free operation and reduced power processing. <i>IET Power Electronics</i> , 2020 , 13, 3026-3031	2.2	1
31	Computationally Efficient Model Predictive Control with Fixed Switching Frequency of Five-Level ANPC Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	1

30	Active Power Control for Grid-Connected Photovoltaic System: A Review 2020 ,		1
29	Control and efficiency optimization of Dual-Active-Bridge DC/DC converter 2016 ,		1
28	Power management of Solid State Transformer in microgrids 2016 ,		1
27	Shadowing effect on the power output of a photovoltaic panel 2016 ,		1
26	A fuzzy logic controller with beta parameter for maximum power point tracking of Photovoltaic systems 2016 ,		1
25	Power generation and performance analysis of Bi-facial vs Mono-facial 10KW Photovoltaic power station 2019 ,		1
24	Fast Simulation Technique for Photovoltaic Power Systems using Simulink 2019 ,		1
23	Differential Power Processing based Photovoltaic Power Systems: A Review 2019 ,		1
22	A Comprehensive Study of Orthogonal Signal Generation Schemes for Single Phase Systems 2021 ,		1
21	A Novel Power Incremental GMPPT Method based on Modified Voltage Lines for Photovoltaic System 2018 ,		1
20	Optimal Minimized Reactive Power Boundary Control Based on the Six Natural Switching Surface 2018 ,		1
19	Minimum Backflow Power Control of Bidirectional Isolated DC-DC Converters 2018 ,		1
18	Affine Parameterization for the Dual Phase-Shifted Bidirectional Isolated DC-DC Converters 2018 ,		1
17	A Novel Photovoltaic String Model Based on the Lambert w Function for Partial Shading Conditions 2018 ,		1
16	An Improved Equivalent Model for a Long PV String under Partial Shading Conditions 2018 ,		1
15	Nonisolated switching-capacitor-integrated three- port converters with seamless PWM/PFM modulation. <i>Solar Energy</i> , 2021 , 224, 160-174	6.8	1
14	Cost-effective and extensible LLC-resonant voltage-multiplier-based differential power processing optimizer for mismatched photovoltaic systems. <i>Solar Energy</i> , 2021 , 225, 501-516	6.8	1
13	Self-Tuning MPPT Scheme Based on Reinforcement Learning and Beta Parameter in Photovoltaic Power Systems. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 13826-13838	7.2	1

12	A new optimized control system architecture for solar photovoltaic energy storage application. <i>IEICE Electronics Express</i> , 2021 , 18, 20200404-20200404	0.5	1
11	Feature Engineering and Artificial Intelligence-Supported Approaches Used for Electric Powertrain Fault Diagnosis: A Review. <i>IEEE Access</i> , 2022 , 10, 29069-29088	3.5	1
10	Review of Pulse Test Setup for the Switching Characterization of GaN Power Devices. <i>IEEE Transactions on Electron Devices</i> , 2022 , 1-11	2.9	1
9	Optimal Design Strategy of a Solar Reflector Combining Photovoltaic Panels to Improve Electricity Output: A Case Study in Calgary, Canada. <i>Sustainability</i> , 2021 , 13, 6115	3.6	0
8	Model Predictive Control With Autotuning Weighting Factors for Single-Phase Six-Level Hybrid-Clamped Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 7946-7956	8.9	0
7	Power-Rating Balance Control and Reliability Enhancement in Mismatched Photovoltaic Differential Power Processing Systems. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 879-895	7.2	0
6	Reference-Voltage-Line-Aided Power Incremental Algorithm for Photovoltaic GMPPT and Partial Shading Detection. <i>IEEE Transactions on Sustainable Energy</i> , 2022 , 1-1	8.2	0
5	Power Conditioning 2017 , 103-171		
4	Dynamic Response Improvement for DAB Converter with Constant Power Load under Extended-Phase-Shift Control Based on Trajectory Control		
3	Monolithic Si-Based AlGaIn/GaN MIS-HEMTs Comparator and Its High Temperature Characteristics. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 12057	2.6	
2	GPU-Based Parameter Estimation Method for Photovoltaic Electrical Models. <i>Lecture Notes in Computer Science</i> , 2015 , 298-307	0.9	
1	IEEE Access Special Section: Emerging Technologies for Energy Internet. <i>IEEE Access</i> , 2020 , 8, 213340-213344	3.344	