

# Mohamed Orabi

## List of Publications by Year in descending order

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209  
papers

2,521  
citations

394286

19  
h-index

345118

36  
g-index

209  
all docs

209  
docs citations

209  
times ranked

1773  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear dynamics of power-factor-correction converter. IEEE Transactions on Industrial Electronics, 2003, 50, 1116-1125.	5.2	115
2	Two-stage micro-grid inverter with high-voltage gain for photovoltaic applications. IET Power Electronics, 2013, 6, 1812-1821.	1.5	102
3	A Powerful Finite Control Set-Model Predictive Control Algorithm for Quasi Z-Source Inverter. IEEE Transactions on Industrial Informatics, 2016, 12, 1371-1379.	7.2	92
4	New Three-Phase Symmetrical Multilevel Voltage Source Inverter. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2015, 5, 430-442.	2.7	82
5	Real-Time Solution and Implementation of Selective Harmonic Elimination of Seven-Level Multilevel Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1700-1709.	3.7	69
6	A Novel Bidirectional T-Type Multilevel Inverter for Electric Vehicle Applications. IEEE Transactions on Power Electronics, 2019, 34, 6648-6658.	5.4	68
7	The method of double averaging: an approach for modeling power-factor-correction switching converters. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 454-462.	0.1	64
8	A Single DC Source Nine-Level Switched-Capacitor Boost Inverter Topology With Reduced Switch Count. IEEE Access, 2020, 8, 5840-5851.	2.6	61
9	Matlab/Pspice hybrid simulation modeling of solar PV cell/module. , 2011, , .		56
10	Switched inductor boost converter for PV applications. , 2012, , .		51
11	Optimum tilt angle for photovoltaic system in desert environment. Solar Energy, 2017, 155, 267-280.	2.9	50
12	Control of a Stand-Alone Variable Speed Wind Energy Supply System. Applied Sciences (Switzerland), 2013, 3, 437-456.	1.3	49
13	Proposed Switching Losses Model for Integrated Point-of-Load Synchronous Buck Converters. IEEE Transactions on Power Electronics, 2015, 30, 5136-5150.	5.4	47
14	Modeling of switching frequency instabilities in buck-based DC-AC H-bridge inverters. International Journal of Circuit Theory and Applications, 2011, 39, 175-193.	1.3	46
15	Asymptotic Slow-Scale Stability Boundary of PFC AC-DC Power Converters: Theoretical Prediction and Experimental Validation. IEEE Transactions on Industrial Electronics, 2011, 58, 3448-3460.	5.2	43
16	Study and Analysis of New Three-Phase Modular Multilevel Inverter. IEEE Transactions on Industrial Electronics, 2016, 63, 7804-7813.	5.2	39
17	Stabilizing Technique for AC-DC Boost PFC Converter Based on Time Delay Feedback. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 56-60.	2.2	35
18	A single stage SEPIC PFC converter for LED street lighting applications. , 2010, , .		35

#	ARTICLE	IF	CITATIONS
19	High gain single-stage inverter for photovoltaic AC modules. , 2011, , .		35
20	A Single-stage High Boosting Ratio Converter for Grid-connected Photovoltaic Systems. Electric Power Components and Systems, 2013, 41, 896-911.	1.0	33
21	On-chip integrated power management MPPT controller utilizing cell-level architecture for PV solar system. Solar Energy, 2015, 117, 10-28.	2.9	32
22	General Mathematical Solution for Selective Harmonic Elimination. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 4440-4456.	3.7	32
23	Buck-boost interleaved inverter for grid connected Photovoltaic system. , 2010, , .		28
24	A switched inductor multilevel boost converter. , 2010, , .		28
25	A REPRESENTATIVE DISCRETE-TIME MODEL FOR UNCOVERING SLOW AND FAST SCALE INSTABILITIES IN BOOST POWER FACTOR CORRECTION AC-DC PRE-REGULATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 3073-3092.	0.7	25
26	Design and development of energy-free solar street LED light system. , 2011, , .		24
27	A novel modeling of instability phenomena in PFC converter. , 0, , .		23
28	Development of high gain and efficiency photovoltaic system using multilevel boost converter topology. , 2010, , .		23
29	New converter circuitry for PV applications using multilevel converters. , 2009, , .		21
30	Dynamics of PFC power converters subject to timeâ€delayed feedback control. International Journal of Circuit Theory and Applications, 2012, 40, 15-35.	1.3	21
31	Development of high-gain high-efficiency grid-connected inverter for PV Module. , 2010, , .		19
32	Simple sensorless control technique of permanent magnet synchronous generator wind turbine. , 2010, , .		19
33	AC PV solar system distributed architecture with maximum power point tracking. , 2012, , .		19
34	Discussion of Single-Stage Isolated Unidirectional AC-DC On-Board Battery Charger for Electric Vehicle. , 2018, , .		19
35	Design considerations of a single-stage LED lamp driver with power factor correction. , 2011, , .		18
36	Experimental studies on a three phase improved switched Z-source inverter. , 2014, , .		18

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37	PWM Control Techniques for Single-Phase Multilevel Inverter Based Controlled DC Cells. Journal of Power Electronics, 2016, 16, 498-511.	0.9	18
38	Load current based analog MPPT controller for PV solar systems. , 2012, , .		17
39	Asymmetric cascaded half-bridge multilevel inverter without polarity changer. AEJ - Alexandria Engineering Journal, 2018, 57, 2415-2426.	3.4	17
40	Comparison between Nonlinear-Carrier Control and Average-Current-Mode Control for PFC Converters. , 2007, , .		16
41	Nonlinear dynamics and stability analyses of boost power-factor-correction circuit. , 0, , .		15
42	Analysis of PFC converter stability using energy balance theory. , 0, , .		15
43	Commercial utility frequency AC to high frequency AC soft switching power conversion circuit with non smoothing DC link for IH dual packs heater. , 0, , .		15
44	Design consideration of modified SEPIC converter for LED lamp driver. , 2010, , .		15
45	Performance analysis of isolated DC-DC converters utilized in Three-phase differential inverter. , 2016, , .		15
46	Classification of Three-Phase Grid-Tied Microinverters in Photovoltaic Applications. Energies, 2020, 13, 2929.	1.6	15
47	New formulation for stability analysis of power factor correction converters. , 0, , .		14
48	A unified design of single-stage and two-stage PFC converter. , 0, , .		14
49	Development an efficient photovoltaic (PV) configuration for low power applications. , 2010, , .		14
50	Low operational cost distributed prioritised coordinated control for DC microgrids. IET Smart Grid, 2019, 2, 233-241.	1.5	14
51	Fixed-frequency phase-shift modulated PV-MPPT for LLC resonant converters. Journal of Power Electronics, 2020, 20, 279-291.	0.9	14
52	Fuzzy Logic Speed Controller of 3-Phase Induction Motors for Efficiency Improvement. Journal of Power Electronics, 2012, 12, 305-316.	0.9	14
53	Efficient performances of induction generator for wind energy utilization. , 0, , .		13
54	Novel three-phase multilevel voltage source inverter with reduced no. of switches. , 2014, , .		13

#	ARTICLE	IF	CITATIONS
55	On-chip integrated cell-level power management architecture with MPPT for PV solar system. , 2014, , .		13
56	Operational cost reduction based on distributed adaptive droop control technique in DC microgrids. , 2017, , .		13
57	Modified Finite Control Set-Model Predictive Controller (MFCS-MPC) for quasi Z-Source Inverters based on a Current Observer. Journal of Power Electronics, 2017, 17, 610-620.	0.9	13
58	Design and Multiobjective Optimization of a Double-Stator Axial Flux SRM With Full-Pitch Winding Configuration. IEEE Transactions on Transportation Electrification, 2022, 8, 4348-4364.	5.3	13
59	A high efficiency single-phase multilevel packed U cell inverter for photovoltaic applications. , 2014, , .		12
60	PV power forecasting using different Artificial Neural Networks strategies. , 2014, , .		12
61	Analysis and Control of Electrolytic Capacitor-Less LED Driver Based on Harmonic Injection Technique. Energies, 2018, 11, 3030.	1.6	12
62	Single-Phase Isolated Bidirectional AC-DC Battery Charger for Electric Vehicle “ Review. , 2019, , .		12
63	Novel developments in the study of nonlinear phenomena in power factor correction circuits. , 0, , .		11
64	High-performance induction generator-wind turbine connected to utility grid. , 0, , .		11
65	Grid-connected single-phase multi-level inverter. , 2014, , .		11
66	Control of switched-inductor quasi Z-Source Inverter (SL-qZSI) based on model predictive control technique (MPC). , 2015, , .		11
67	Consensus algorithm based distributed control for economic operation of islanded DC microgrids. , 2016, , .		11
68	Modified harmonic injection technique for electrolytic capacitor-less LED driver. , 2017, , .		11
69	A Novel Dual-Input High-Gain Transformerless Multilevel Single-Phase Microinverter for PV Systems. IEEE Transactions on Power Electronics, 2020, 35, 4703-4714.	5.4	11
70	Common-Ground Photovoltaic Inverters for Leakage Current Mitigation: Comparative Review. Applied Sciences (Switzerland), 2021, 11, 11266.	1.3	11
71	Utilization of a buck boost converter and the method of segmented capacitors in a CDI water purification system. , 2008, , .		10
72	Analysis and design of LCC resonant inverter for the transportation systems applications. , 2010, , .		10

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73	A new switched-inductor quasi-Z-source inverter topology. , 2012, , .		10
74	Single-phase self-synchronized synchronverter with current-limiting capability. , 2016, , .		10
75	A Phase-Shift-Modulated LLC-Resonant Micro-Inverter Based on Fixed Frequency Predictive-MPPT. Energies, 2020, 13, 1460.	1.6	10
76	MPPT Control and Architecture for PV Solar Panel with Sub-Module Integrated Converters. Journal of Power Electronics, 2014, 14, 1281-1292.	0.9	10
77	Integrated ZVS POL synchronous buck converter for portable applications. , 2010, , .		9
78	Energy Efficient Fine-grained approach for Solar Photovoltaic Management System. , 2011, , .		9
79	Development of MPC algorithm for quasi Z-source inverter (qZSI). , 2015, , .		9
80	New MPPT technique using phase-shift modulation for LLC resonant micro-inverter. , 2017, , .		9
81	Improved single-phase self-synchronised synchronverter with enhanced dynamics and current limitation capability. IET Power Electronics, 2019, 12, 337-344.	1.5	9
82	Multi-input transformerless four-wire microinverter with distributed MPPT for PV systems. International Journal of Circuit Theory and Applications, 2021, 49, 1704-1725.	1.3	9
83	Novel nonlinear representation for two-stage power-factor-correction converter instability. , 0, , .		8
84	Investigation of self-excited induction generators for wind turbine applications. , 0, , .		8
85	Compensation Circuit Design Considerations for high Frequency DC/DC Buck Converters with Ceramic Output Capacitors. , 2007, , .		8
86	Modeling of non-ideal improved Switched Inductor (SL) Z-source inverter. , 2011, , .		8
87	Single-cell photovoltaic with integrated converter. , 2011, , .		8
88	A less sensor control method for standalone small wind energy using Permanent Magnet Synchronous Generator. , 2011, , .		8
89	Single-phase five-level inverter with less number of power elements for grid connection. , 2012, , .		8
90	Modeling and Experimental Study of Three-phase Improved Switched Inductor Z-Source Inverter. EPE Journal (European Power Electronics and Drives Journal), 2014, 24, 14-27.	0.7	8

#	ARTICLE	IF	CITATIONS
91	Real study for Photovoltaic system performance in desert environment - Upper Egypt - case study. , 2016, , .		8
92	A single-phase self-synchronized synchronverter with bounded droop characteristics. , 2018, , .		8
93	Novel Overlap Method to Eliminate Vector Deviation Error in SVM of Current Source Inverters. IEEE Transactions on Power Electronics, 2021, 36, 2320-2333.	5.4	8
94	Study of alternative regimes to analyze two-stage PFC converter. , 0, , .		7
95	Electromagnetic Compatibility results for an LCC resonant inverter for the transportation systems. , 2010, , .		7
96	Single-phase five-level inverter with less number of power elements. , 2011, , .		7
97	Simple maximum power extraction control for permanent magnet synchronous generator based wind energy conversion system. , 2012, , .		7
98	Load power management control for a stand alone wind energy system based on the state of charge of the battery. , 2012, , .		7
99	Experimental studies on a single-phase improved switched inductor Z-source inverter. , 2013, , .		7
100	Multi-Input Ąuk-Derived Buck-Boost Voltage Source Inverter for Photovoltaic Systems in Microgrid Applications. Energies, 2019, 12, 2007.	1.6	7
101	A novel single stage AC-DC self-oscillating series parallel resonant converter. , 0, , .		6
102	Investigating Stability and Bifurcations of a Boost PFC Circuit Under Peak Current Mode Control. , 0, , .		6
103	Different Frequency Instabilities of Averaged Current Controlled Boost PFC AC-DC Regulators. , 2006, , .		6
104	Control of a grid connected variable speed wind energy conversion system. , 2012, , .		6
105	Distributed dynamic consensus for reliable and economic operation of standalone dc microgrids. , 2015, , .		6
106	Reduced switches based three-phase multi-level inverter for grid integration. , 2015, , .		6
107	Selective harmonic elimination method for unequal DC sources of multilevel inverters. Automatika, 2019, 60, 378-384.	1.2	6
108	Highly efficient Capacitive De-Ionization (CDI) water purification system using a buck-boost converter. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	5

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109	Development of grid connected power conditioner system compatible with fuel cell applications. , 2010, , .		5
110	Induction generator model for unbalanced distribution power-flow analysis. , 2010, , .		5
111	The electromagnetic compatibility design considerations of the input filter of a 3-phase inverter in a railway traction system. , 2010, , .		5
112	New converter circuitry for high v applications using Switched Inductor Multilevel Converter. , 2011, , .		5
113	High frequency QSW-ZVS integrated buck converter utilizing an air-core inductor. , 2012, , .		5
114	Prediction of inductor AC power loss in PSiP buck converter based on Steinmetz parameters. , 2014, , .		5
115	Single-output-sensor on-chip integrated MPPT for PV solar system power management. , 2014, , .		5
116	A modified two switched-inductors quasi Z-Source Inverter. , 2015, , .		5
117	Distributed cooperative control with lower generation cost for DC microgrid. , 2015, , .		5
118	Grid connection quasi Z-Source Inverter based on model predictive control with less sensors count. , 2016, , .		5
119	Thermal performance-based comparative study of PWM strategies for three-level ANPC converter. , 2016, , .		5
120	Generation cost minimization based distributed coordination control in DC microgrids. , 2017, , .		5
121	Study the effect of series and parallel LEDs connections on the output current ripple for LED driver of solar street lighting. , 2017, , .		5
122	Performance Investigation of Switched Reluctance Motor Driven by Quasi-Z-Source Integrated Multiport Converter with Different Switching Algorithms. Sustainability, 2021, 13, 9517.	1.6	5
123	Temperature Analysis of Switched Reluctance Motor Based on Equivalent Heat Circuit Method. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	5
124	Comparison of Different Schemes for VRM Application. , 2006, , .		4
125	C&lt;inf&gt;oss&lt;/inf&gt; capacitance contribution to synchronous buck converter losses. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	4
126	Review of synchronous buck converter design optimization. , 2008, , .		4



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127	Notch filtering-based stabilization of PFC AC-DC pre-regulators. , 2010, , .		4
128	The non ideality effect of optimizing the P&O MPPT algorithm for PV battery charger applications. , 2011, , .		4
129	Control of a variable speed stand alone wind energy supply system. , 2012, , .		4
130	Optimization of integrated power conditioning PV parameters. , 2012, , .		4
131	Design of integrated POL DC-DC converters based on two-stage architectures. , 2013, , .		4
132	Comparative Study to Investigate the Effect of Five VS Seven Segment Modulation Sequence on the Waveform Distortion Resulted by the Overlap Time in Current Source Inverter. , 2019, , .		4
133	Operating performance of induction generator connected to utility grid during grid separation. , 2004, , .		3
134	Study of nonlinear-carrier control stability for PFC boost converters. , 2008, , .		3
135	Implementation of FPGA control for multilevel boost converter used for PV applications. , 2010, , .		3
136	Optimum design of high efficiency power conditioning wind energy system. , 2010, , .		3
137	High voltage gain boost converter topology for grid connected systems. , 2011, , .		3
138	Integrated power management converter for advanced photovoltaic architectures. , 2011, , .		3
139	High efficient variable step size incremental resistance maximum power point tracker for PV battery charging applications. , 2013, , .		3
140	PV solar system with series output connection and MPPT control. , 2013, , .		3
141	Design of high performance powered device for power over ethernet system. , 2014, , .		3
142	Single-phase virtual synchronous generator without a dedicated synchronization unit. , 2015, , .		3
143	Novel three phase multi-level inverter topology with symmetrical DC-voltage sources. , 2016, , .		3
144	Single-phase cascaded semi-Z-source inverter for photovoltaic applications. , 2018, , .		3

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145	An enhanced PWM method for loss balancing of five level T-type inverter in PV systems. , 2018, , .		3
146	Toward a Way to Benchmark Multilevel Inverter Topologies Based on Level to Components Ratio. Canadian Journal of Electrical and Computer Engineering, 2019, 42, 78-92.	1.5	3
147	Steady State Analysis of Solar Energy Transmitted to Solar Panel in Hot Weather Environment and Various Wind Speed. , 2019, , .		3
148	Single-loop control scheme for electrolytic capacitor-less AC-DC rectifiers with PFC in continuous conduction mode. Electronics Letters, 2020, 56, 506-508.	0.5	3
149	Operating Limitation of Buck Power Supplies Feeding DDR Memories -Source-Sink-Mode. , 2007, , .		2
150	Widening stability zone of a multi-cell DC-DC buck converter by using Fixed Point Induced Control. , 2008, , .		2
151	Stability analysis of PFC converters with one-cycle control. , 2009, , .		2
152	Design of high performance point of load converters with ultra-low output voltage ripple. , 2010, , .		2
153	Voltage deviation of POL converter with two-stage output filter. , 2011, , .		2
154	Development and comparative evaluation of power management systems for advanced photovoltaic architectures. , 2014, , .		2
155	Simple cost function and low calculations MPC algorithm for qZSI. , 2015, , .		2
156	A novel platform for an accurate modeling and precise control of photovoltaic modules with maximum operating efficiency. , 2015, , .		2
157	Predictive Control of Multi-Level Single Phase Microinverter. , 2019, , .		2
158	Optimization of the Modulation Sequence and Proposing an Overlap Technique for Current Source Inverter. , 2019, , .		2
159	A Novel Auxiliary Modular Inverter with Battery Integration for Electric Vehicle Applications. , 2019, , .		2
160	A Novel High Gain Single-phase Transformer-less Multi-level Micro-inverter. , 2019, , .		2
161	Modified Maximum Power Point Tracking Technique Based on One Cycle Control for PV Applications. , 2019, , .		2
162	Performance Analysis for Single-Stage Buck-Boost Inverter. , 2019, , .		2

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163	Model Predictive Control Of Quasi Y-Source Inverter. , 2019, , .		2
164	Integrated Single Output Sensor Distributed MPPT for Photovoltaic Systems: A Novel Per-Cell Approach. , 2019, , .		2
165	Two-Stage Resonant Three-Phase Micro-inverter for Grid-Tie PV Application. , 2019, , .		2
166	A High Current Ripple EV Battery Charger Utilizing Capacitor-less CUK Converter. , 2019, , .		2
167	Calculation and Analysis of Eddy-Current Loss in Switched Reluctance Motor. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	2
168	Improved direct torque control strategy for reducing torque ripple in switched reluctance motors. Journal of Power Electronics, 2022, 22, 603.	0.9	2
169	Universal Input Voltage Electrolytic Capacitor-less LED driver with Multi-channel Output. , 2021, , .		2
170	A New Stability Enhancement Method Using KF Estimation for the PWM-SMC-Based Grid-Tied Inverter Under Weak Grid Condition. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6950-6959.	3.7	2
171	A Novel Method to Suppress the Force Ripple of a Switched Reluctance Linear Motor. IEEE Transactions on Industry Applications, 2022, 58, 4792-4803.	3.3	2
172	An optimum design of boost power-factor-correction converter. , 0, , .		1
173	A simple criterion to judge PFC converter stability. , 0, , .		1
174	Method of double averaging for modeling PFC switching converters. , 0, , .		1
175	A neuro-optimal control power system stabilizer: a comparative study. , 0, , .		1
176	Identification of bifurcation parameters in switching power converter composed of cascade two-stage PFC circuit. , 0, , .		1
177	Review of preregulator CCM boost PFC converter dynamics limits. , 0, , .		1
178	PCB layout vias effect on power supply performance. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	1
179	Sampled-data modeling of a new ultra-fast 48V voltage regulator module: experimental validation. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	1
180	Stability performance of two-stage PFC converters under nonlinear-carrier control and average-current-mode control. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	1

#	ARTICLE	IF	CITATIONS
181	Circuit design considerations for integrated high switching frequency buck converter. , 2009, , .		1
182	Stability analysis of power supplies required for remote sensing applications. , 2009, , .		1
183	A unified practical approach to analyze the stability of the pre-regulator and complete two-stage PFC power supplies under average-current-mode control. , 2010, , .		1
184	A novel integrated 50 MHz POL solution utilizing internal OTA compensation. , 2010, , .		1
185	Simple control techniques for multilevel inverter. , 2012, , .		1
186	Comparative study of topologies of single phase static converters for grid connected PV systems. , 2014, , .		1
187	Stand-alone three-phase symmetrical multi-level inverter. , 2015, , .		1
188	Three Level T-Type Buck-Boost Voltage Source Inverter. , 2019, , .		1
189	Classical Control for Unequal DC Sources Five-Level Inverter-Based SHE Technique. Energies, 2020, 13, 4715.	1.6	1
190	Switched Reluctance Linear Motor Force Ripple Suppression Based on Predictive-Fuzzy Control. , 2021, , .		1
191	Sensitivity Analysis on Novel U-Shape Dual-Stator Switched Reluctance Motor. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	1
192	A Magnetic Field Decoupling Double Stator Switched Reluctance Machine. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	1
193	Numerical and experimental study of instability phenomena of a boost PFC converter. , 0, , .		0
194	Indirect field orientation control of self-excited induction generator for wind energy conversion system. , 0, , .		0
195	Analysis and experimentation of a new 48V ultra-fast resonant voltage regulator module. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	0
196	Modeling of switching frequency instabilities in buck-based DC-AC inverters by nonlinear time varying Poincaré mappings. , 2008, , .		0
197	A novel linear-nonlinear technique for fast transient buck converter. , 2011, , .		0
198	The non ideality effect of optimizing the P&O MPPT algorithm for PV stand-alone applications. , 2012, , .		0

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199	Transient modeling and state feedback control strategy of Switched Inductor Quasi Z-source Inverter. , 2014, , .		0
200	Design of an efficient multilevel inverter for a 1500V railway propulsion system applications. , 2015, , .		0
201	Power quality enhancement of variable frequency drive by PWM bridgeless dual boost converter. , 2017, , .		0
202	Performance investigation of standalone WECS with and without battery energy storage system. , 2018, , .		0
203	Novel Overlapping Technique to Realize Half Period Symmetry in the Modulation of Current Source Inverter. , 2018, , .		0
204	Power management system for Ethernet-based IoT devices. Ain Shams Engineering Journal, 2018, 9, 3033-3043.	3.5	0
205	Analysis, Design and Simulation of a DC Photovoltaic Microgrid with Electric Vehicle Charging Capability. , 2019, , .		0
206	Enabling Universal-Input Operation in Electrolytic Capacitor-less LED Drivers Based on Harmonics Injection. , 2019, , .		0
207	A New Single-Phase Single-Stage Buck-Boost Inverter For Grid Connected PV Applications. , 2019, , .		0
208	Improvement of Extracted Power of Pole Mounted Solar Panels by Effective Cooling Using Aluminum Heat Sink under Hot Weather and Variable Wind Speed Conditions. Energies, 2020, 13, 3159.	1.6	0
209	A New Single Stage Quadratic Buck-Boost Inverter. , 2021, , .		0