

# Ahmad Massoud

## 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.

233  
papers

3,866  
citations

31  
h-index

53  
g-index

265  
ext. papers

5,025  
ext. citations

4  
avg. IF

6.07  
L-index

#	Paper	IF	Citations
233	Economic Energy Allocation of Conventional and Large-Scale PV Power Plants. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 1362	2.6	2
232	Review on State-of-the-Art Unidirectional Non-Isolated Power Factor Correction Converters for Short-/Long-Distance Electric Vehicles. <i>IEEE Access</i> , <b>2022</b> , 10, 11308-11340	3.5	4
231	Modeling and Control of Single-Stage Quadratic-Boost Split Source Inverters. <i>IEEE Access</i> , <b>2022</b> , 10, 241625-24180	3.5	1
230	Centralized, Distributed, and Module-Integrated Electric Power System Schemes in CubeSats: Performance Assessment. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	1
229	A Family of Discontinuous PWM Strategies for Quasi Z-Source Nine-Switch Inverters. <i>IEEE Access</i> , <b>2021</b> , 9, 169161-169176	3.5	2
228	A modular multilevel DC-DC converter with self-energy equalization for DC grids. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 1736-1747	2.9	1
227	Multi-Module DC-DC Converter-based Fast Chargers for Neighborhood Electric Vehicles <b>2021</b> ,		1
226	Unaligned inductance calculation using flux tube approach for rotor conducting screen-based SRM. <i>IET Electric Power Applications</i> , <b>2021</b> , 15, 1081	1.8	
225	Development of a three-phase interleaved converter based on SEPIC DCDC converter operating in discontinuous conduction mode for ultra-fast electric vehicle charging stations. <i>IET Power Electronics</i> , <b>2021</b> , 14, 1889-1903	2.2	0
224	A Six-Arm Symmetrical Six-Phase Hybrid Modular Multilevel Converter With Unidirectional Current Full-Bridge Submodules. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 3457-3467	5.6	2
223	An Optimal PWM Technique for Dual-Output Nine-Switch Boost Inverters With Minimum Passive Component Count. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 1065-1079	7.2	4
222	A generalized approach for design of contingency versatile DC voltage droop control in multi-terminal HVDC networks. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 126, 106413	5.1	1
221	Development of Modular DC-DC Converters for Low-Speed Electric Vehicles Fast Chargers. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 60, 1067-1083	6.1	9
220	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 843-857	5.6	7
219	Multi-Terminal HVDC System With Offshore Wind Farms Under Anomalous Conditions: Stability Assessment. <i>IEEE Access</i> , <b>2021</b> , 9, 92661-92675	3.5	0
218	Power Budgeting of LEO Satellites: An Electrical Power System Design for 5G Missions. <i>IEEE Access</i> , <b>2021</b> , 9, 113258-113269	3.5	3
217	Home Energy Management System Embedded with a Multi-Objective Demand Response Optimization Model to Benefit Customers and Operators. <i>Energies</i> , <b>2021</b> , 14, 257	3.1	12

216	Distributed Event-Triggered Consensus-Based Control of DC Microgrids in Presence of DoS Cyber Attacks. <i>IEEE Access</i> , <b>2021</b> , 9, 54009-54021	3.5	4
215	SRM power density improvement utilising rotor conducting screens and DC-link voltage boosting for EV applications. <i>IET Electrical Systems in Transportation</i> , <b>2021</b> , 11, 148-160	2.1	
214	Electric Vehicles Charging Management Using Machine Learning Considering Fast Charging and Vehicle-to-Grid Operation. <i>Energies</i> , <b>2021</b> , 14, 6199	3.1	4
213	Modular Multilevel Converter With Self-Energy Equalization for Medium Voltage AC Drive Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 11881-11894	8.9	0
212	General Classification and Comprehensive Performance Assessment of Multi-Objective DC Voltage Control in Multi-Terminal HVDC Networks. <i>IEEE Access</i> , <b>2021</b> , 9, 34454-34474	3.5	1
211	Real-Time Scheduling for Electric Vehicles Charging/Discharging Using Reinforcement Learning <b>2020</b> ,		5
210	Modular Isolated DC-DC Converters for Ultra-Fast EV Chargers: A Generalized Modeling and Control Approach. <i>Energies</i> , <b>2020</b> , 13, 2540	3.1	5
209	A robust experimental-based artificial neural network approach for photovoltaic maximum power point identification considering electrical, thermal and meteorological impact. <i>AEJ - Alexandria Engineering Journal</i> , <b>2020</b> , 59, 3699-3707	6.1	9
208	Modular multilevel DCDC converter with arm interchange concept. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 564-576	2.5	6
207	Hybrid Modular Multilevel Converter With Arm-Interchange Concept for Zero-/Low- Frequency Operation of AC Drives. <i>IEEE Access</i> , <b>2020</b> , 8, 14756-14766	3.5	4
206	Impact of forced and unforced system parameter variations on network stability and system economics of radial MTDC networks. <i>Electric Power Systems Research</i> , <b>2020</b> , 179, 106051	3.5	3
205	Multimodule Boost-Converter-Based Pulse Generators: Design and Operation. <i>IEEE Transactions on Plasma Science</i> , <b>2020</b> , 48, 219-227	1.3	1
204	Machine Learning-Based Management of Electric Vehicles Charging: Towards Highly-Dispersed Fast Chargers. <i>Energies</i> , <b>2020</b> , 13, 5429	3.1	7
203	Hybrid Multimodule DC-DC Converters for Ultrafast Electric Vehicle Chargers. <i>Energies</i> , <b>2020</b> , 13, 4949	3.1	3
202	Thermal conductivity of irradiated porous silicon down to the oxide limit investigated by Raman thermometry and scanning thermal microscopy. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 175109	2.5	3
201	Optimal power flow in multi-terminal HVDC networks with embedded high-power DCDC converters for voltage matching and flexible DC transmission. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 3866-3876	2.5	1
200	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 697-719	5.6	18
199	An Improved Torque Density Pseudo Six-Phase Induction Machine Using a Quadruple Three-Phase Stator Winding. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 1855-1866	8.9	10

198	A Novel Converter Station Structure for Improving Multiterminal HVDC System Resiliency Against AC and DC Faults. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 4270-4280	8.9	7
197	A Neutral-Point Diode-Clamped Converter With Inherent Voltage-Boosting for a Four-Phase SRM Drive. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 5313-5324	8.9	11
196	HVDC shunt tap based on three single-phase half-bridge series-connected MMCs operated under 2L modulation. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 3601-3611	2.5	
195	Optimal DC Voltage Control in Multi-Terminal HVDC Network: Modeling and Scenarios <b>2019</b> ,		3
194	Modeling of CubeSat Orientation Scenario and Solar Cells for Internet of Space Provision <b>2019</b> ,		3
193	Modular multilevel converter with DHB energy-balancing channels for medium-voltage adjustable-speed drives. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 4116-4121	0.7	1
192	Zero-/Low-Speed Operation of Multiphase Drive Systems With Modular Multilevel Converters. <i>IEEE Access</i> , <b>2019</b> , 7, 14353-14365	3.5	8
191	Standard Three-Phase Stator Frames for Multiphase Machines of Prime-Phase Order: Optimal Selection of Slot/Pole Combination. <i>IEEE Access</i> , <b>2019</b> , 7, 78239-78259	3.5	8
190	Optical, structure and thermal investigation of the effect of gamma radiation in CPVC/Ag and CPVC/Pd nanocomposites membrane. <i>Radiation Effects and Defects in Solids</i> , <b>2019</b> , 174, 111-124	0.9	7
189	A Modular Multilevel Voltage-Boosting Marx Pulse-Waveform Generator for Electroporation Applications. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 10575-10589	7.2	20
188	A Self-Balanced Bidirectional Medium-/High-Voltage Hybrid Modular DCDC Converter With Low-Voltage Common DC-Link and Sequential Charging/Discharging of Submodules Capacitors. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 2714-2725	8.9	7
187	Nine-Phase Six-Terminal Induction Machine Modeling Using Vector Space Decomposition. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 988-1000	8.9	13
186	Analysis of Scalar PWM Approach With Optimal Common-Mode Voltage Reduction Technique for Five-Phase Inverters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2019</b> , 7, 1854-1871	5.6	19
185	Application of Standard Three-Phase Stator Frames in Prime Phase Order Multiphase Machine Construction. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 2506-2517	8.9	20
184	A Modular Multilevel Converter With Ripple-Power Decoupling Channels for Three-Phase MV Adjustable-Speed Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 4048-4063	7.2	20
183	Design of Optimal Droop Control for Multi-Terminal High-Voltage Direct Current Systems During Line Outages. <i>Electric Power Components and Systems</i> , <b>2019</b> , 47, 772-784	1	1
182	High-voltage pulse generator using sequentially charged full-bridge modular multilevel converter Sub-modules, for water treatment applications. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 4537-4544	0.7	0
181	Minimum transmission power loss in multi-terminal HVDC systems: A general methodology for radial and mesh networks. <i>AEJ - Alexandria Engineering Journal</i> , <b>2019</b> , 58, 115-125	6.1	19

180	Electric Vehicle Fast Chargers: Futuristic Vision, Market Trends and Requirements <b>2019</b> ,		1
179	Multimodule ISOP DC-DC Converters for Electric Vehicles Fast Chargers <b>2019</b> ,		2
178	A Matlab/Simulink-Based Average-Value Model of Multi-Terminal HVDC Network <b>2019</b> ,		2
177	Carrier-Based PWM Strategy for Quasi-Z Source Nine-Switch Inverters <b>2019</b> ,		4
176	Dual modular multilevel converter with shared capacitor sub-module for MV open-end stator winding machine drives. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 4401-4405	0.7	1
175	Multimodule DC-DC Converters for High-Voltage High-Power Renewable Energy Sources <b>2019</b> ,		3
174	A Non-Isolated Hybrid-Modular DC-DC Converter for DC Grids: Small-Signal Modeling and Control. <i>IEEE Access</i> , <b>2019</b> , 7, 132459-132471	3.5	13
173	Secure smart contract-enabled control of battery energy storage systems against cyber-attacks. <i>AEJ - Alexandria Engineering Journal</i> , <b>2019</b> , 58, 1291-1300	6.1	15
172	Nine-phase six-terminal pole-amplitude modulated induction motor for electric vehicle applications. <i>IET Electric Power Applications</i> , <b>2019</b> , 13, 1696-1707	1.8	4
171	Low-Order Space Harmonic Modeling of Asymmetrical Six-Phase Induction Machines. <i>IEEE Access</i> , <b>2019</b> , 7, 6866-6876	3.5	16
170	A bidirectional non-isolated hybrid modular DCDC converter with zero-voltage switching. <i>Electric Power Systems Research</i> , <b>2019</b> , 167, 277-289	3.5	3
169	A Hybrid Nine-Arm Modular Multilevel Converter for Medium-Voltage Six-Phase Machine Drives. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 6681-6691	8.9	10
168	Autosomal dominant deficiency of the interleukin-17F in recurrent aphthous stomatitis: Possible novel mutation in a new entity. <i>Gene</i> , <b>2018</b> , 654, 64-68	3.8	4
167	A Grid-Connected Capacitor-Tapped Multimodule Converter for HVDC Applications: Operational Concept and Control. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 5523-5535	4.3	3
166	Interior permanent magnet motor-based isolated on-board integrated battery charger for electric vehicles. <i>IET Electric Power Applications</i> , <b>2018</b> , 12, 124-134	1.8	20
165	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2018</b> , 6, 1394-1406	5.6	20
164	Effect of DC-Link Voltage Limitation on Postfault Steady-State Performance of Asymmetrical Six-Phase Induction Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 6890-6900	8.9	18
163	sICAM-1, sVCAM-1 and sE-Selectin Levels in Type 1 Diabetes. <i>Fetal and Pediatric Pathology</i> , <b>2018</b> , 37, 69-73	1.7	12

162	A HVDC shunt tap based on unidirectional hybrid modular DCDC converter with simultaneous charging and sequential discharging of capacitors. <i>Electric Power Systems Research</i> , <b>2018</b> , 158, 37-44	3.5	6
161	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2018</b> , 6, 188-202	5.6	43
160	Common-mode voltage reduction for space vector modulated three- to five-phase indirect matrix converter. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2018</b> , 95, 266-274	5.1	10
159	Design of an electric spring for power quality improvement in PV-based DC grid <b>2018</b> ,		6
158	<b>2018</b> ,		4
157	High-gain DC-DC converters for high-power PV applications: Performance assessment <b>2018</b> ,		4
156	Design and analysis of high-gain medium-voltage DC-DC converters for high-power PV applications <b>2018</b> ,		7
155	A DC autotransformer design for medium and high voltage DC transmission systems <b>2018</b> ,		2
154	Overvoltage and raised fault current issues in active distribution networks <b>2018</b> ,		1
153	Dynamic mitigation of EV charging stations impact on active Distribution Networks with Distributed BESSs <b>2018</b> ,		1
152	Postfault Operation of a Nine-Phase Six-Terminal Induction Machine Under Single Open-Line Fault. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 1084-1096	8.9	36
151	. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 5142-5159	7.2	36
150	Postfault Control of Scalar (V/f) Controlled Asymmetrical Six-Phase Induction Machines. <i>IEEE Access</i> , <b>2018</b> , 6, 59211-59220	3.5	14
149	Self-balanced non-isolated hybrid modular DCDC converter for medium-voltage DC grids. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 3626-3636	2.5	10
148	Quasi two-level PWM operation of a nine-arm modular multilevel converter for six-phase medium-voltage motor drives <b>2018</b> ,		13
147	A Boost-Inverter-Based Bipolar High-Voltage Pulse Generator. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 2846-2855	7.2	7
146	Arrester-less DC fault current limiter based on pre-charged external capacitors for half-bridge modular multilevel converters. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 93-101	2.5	17
145	A transformerless STATCOM based on a hybrid Boost Modular Multilevel Converter with reduced number of switches. <i>Electric Power Systems Research</i> , <b>2017</b> , 146, 341-348	3.5	7

144	A Unipolar/Bipolar High-Voltage Pulse Generator Based on Positive and Negative BuckBoost DCDC Converters Operating in Discontinuous Conduction Mode. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 5368-5379	8.9	12
143	A Transformerless Bipolar/Unipolar High-Voltage Pulse Generator With Low-Voltage Components for Water Treatment Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 2307-2319	4.3	13
142	A new dual series-connected Nine-Switch Converter topology for a twelve-phase induction machine wind energy system <b>2017</b> ,		7
141	AC-powered multi-module high-voltage pulse-generator with sinusoidal input current for water treatment via underwater pulsed arc discharge <b>2017</b> ,		1
140	A sensorless Kalman filter-based active damping technique for grid-tied VSI with LCL filter. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2017</b> , 93, 146-155	5.1	11
139	A Nine-Phase Six-Terminal Concentrated Single-Layer Winding Layout for High-Power Medium-Voltage Induction Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 1796-1806	8.9	19
138	A Full-Bridge Submodule-Based Modular Unipolar/Bipolar High-Voltage Pulse Generator With Sequential Charging of Capacitors. <i>IEEE Transactions on Plasma Science</i> , <b>2017</b> , 45, 91-99	1.3	16
137	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2017</b> , 24, 2141-2147	2.3	1
136	Assessment of Isolated and Non-Isolated DC-DC Converters for Medium-Voltage PV Applications <b>2017</b> ,		7
135	Effect of Gamma Irradiation on the Structure, Optical and Thermal Properties of PCBBT/NiO Polymer Nanocomposites Films. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2017</b> , 27, 1851-1860	3.2	10
134	Native-oxide limited cross-plane thermal transport in suspended silicon membranes revealed by scanning thermal microscopy. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 063106	3.4	12
133	Series-connected multi-half-bridge modules converter for integrating multi-megawatt wind multi-phase permanent magnet synchronous generator with dc grid. <i>IET Electric Power Applications</i> , <b>2017</b> , 11, 981-990	1.8	4
132	A non-communication based protection algorithm for multi-terminal HVDC grids. <i>Electric Power Systems Research</i> , <b>2017</b> , 144, 41-51	3.5	31
131	<b>2017</b> ,		2
130	A hybrid boost modular multilevel converter-based bipolar high voltage pulse generator. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2017</b> , 24, 2873-2880	2.3	7
129	A modular multilevel converter with isolated energy-balancing modules for MV drives incorporating symmetrical six-phase machines <b>2017</b> ,		13
128	Four-Arm Three-Phase Modular Multilevel Converter (4A-TPMMC). <i>Electric Power Components and Systems</i> , <b>2017</b> , 45, 1951-1961	1	1
127	A bi-directional boost converter-based non-isolated DC-DC transformer with modular solid-state switches for medium-/high-voltage DC grids <b>2017</b> ,		2

126	Power control of grid-connected high-gain boost full-bridge modular multilevel converter <b>2017</b> ,		1
125	Sensor-less operation of hybrid boost modular multilevel converter for subsea multiphase medium voltage drives <b>2017</b> ,		2
124	Model-predictive control for common-mode voltage reduction and third-harmonic current injection techniques with five-phase inverters <b>2017</b> ,		4
123	Low-voltage DC input, high-voltage pulse generator using nano-crystalline transformer and sequentially charged MMC sub-modules, for water treatment applications <b>2017</b> ,		3
122	Load shedding and forecasting in distribution systems with PV-based distributed generation and electric vehicles <b>2017</b> ,		1
121	A differential protection technique for multi-terminal HVDC. <i>Electric Power Systems Research</i> , <b>2016</b> , 130, 78-88	3.5	65
120	A Switched-Capacitor Submodule for Modular Multilevel HVDC Converters With DC-Fault Blocking Capability and a Reduced Number of Sensors. <i>IEEE Transactions on Power Delivery</i> , <b>2016</b> , 31, 313-322	4.3	43
119	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2016</b> , 4, 521-533	5.6	37
118	An Improved Fault-Tolerant Five-Phase Induction Machine Using a Combined Star/Pentagon Single Layer Stator Winding Connection. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 618-628	8.9	42
117	A Droop Control Design for Multiterminal HVDC of Offshore Wind Farms With Three-Wire Bipolar Transmission Lines. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 1546-1556	7	21
116	Application of stator shifting to five-phase fractional-slot concentrated winding interior permanent magnet synchronous machine. <i>IET Electric Power Applications</i> , <b>2016</b> , 10, 681-690	1.8	13
115	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2016</b> , 23, 2088-2094	2.3	9
114	<b>2016</b> ,		5
113	<b>2016</b> ,		5
112	A Nine-Switch-Converter-Based Integrated Motor Drive and Battery Charger System for EVs Using Symmetrical Six-Phase Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 5326-5335	8.9	72
111	Modular Multilevel Converter-Based Bipolar High-Voltage Pulse Generator With Sensorless Capacitor Voltage Balancing Technique. <i>IEEE Transactions on Plasma Science</i> , <b>2016</b> , 44, 1187-1194	1.3	24
110	Multi-module high voltage pulse generator based on DC-DC boost converter and CDVMs for drinking water purification <b>2016</b> ,		5
109	Effect of Multilayer Windings With Different Stator Winding Connections on Interior PM Machines for EV Applications. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-7	2	52



108	A Modular High-Voltage Pulse-Generator With Sequential Charging for Water Treatment Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 7898-7907	8.9	47
107	A Space Vector PWM Scheme for Five-Phase Current-Source Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 562-573	8.9	27
106	A Six-Phase 24-Slot/10-Pole Permanent-Magnet Machine With Low Space Harmonics for Electric Vehicle Applications. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-10	2	30
105	Generation, performance evaluation and control design of single-phase differential-mode buckBoost current-source inverters. <i>IET Renewable Power Generation</i> , <b>2016</b> , 10, 916-927	2.9	9
104	Steady-State Mathematical Modeling of a Five-Phase Induction Machine With a Combined Star/Pentagon Stator Winding Connection. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 1331-1343	8.9	25
103	Single-Stage Three-Phase Differential-Mode Buck-Boost Inverters With Continuous Input Current for PV Applications. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 1-1	7.2	31
102	Three-wire bipolar high-voltage direct current line using an existing single-circuit high-voltage alternating current line for integrating renewable energy sources in multiterminal DC networks. <i>IET Renewable Power Generation</i> , <b>2016</b> , 10, 370-379	2.9	3
101	A Flywheel Energy Storage System for Fault Ride Through Support of Grid-Connected VSC HVDC-Based Offshore Wind Farms. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 1671-1680	7	49
100	Control of Power Converters for Emerging Applications of Power Electronics. <i>Journal of Control Science and Engineering</i> , <b>2016</b> , 2016, 1-2	1.2	1
99	Operation of three-phase modular multilevel converter (MMC) with reduced number of arms <b>2016</b> ,		1
98	A new fifteen-switch inverter topology for two five-phase motors drive <b>2016</b> ,		7
97	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2016</b> , 23, 3450-3457	2.3	19
96	A Senior Project-Based Multiphase Motor Drive System Development. <i>IEEE Transactions on Education</i> , <b>2016</b> , 59, 307-318	2.1	9
95	Dynamic Modeling of a Five-Phase Induction Machine With a Combined Star/Pentagon Stator Winding Connection. <i>IEEE Transactions on Energy Conversion</i> , <b>2016</b> , 31, 1645-1656	5.4	12
94	Steady-State Equivalent Circuit of Five-Phase Induction Machines With Different Stator Connections Under Open-Line Conditions. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 1-1	8.9	9
93	Modelling of DC-DC converters with continuous input current for high power PV applications <b>2016</b> ,		6
92	A highly efficient PV power system for DC MicroGrids <b>2016</b> ,		6
91	Solar car efficient power convertersTdesign <b>2016</b> ,		5

90	A full bridge-based fault current controller for distributed generation systems <b>2016,</b>		1
89	A five-phase linear induction machine with planar modular winding <b>2015,</b>		3
88	A reduced switch-count single-phase SEPIC-based inverter <b>2015,</b>		4
87	The transition arm multilevel converter I <sup>A</sup> concept for medium and high voltage DC-DC transformers <b>2015,</b>		16
86	A Switched PV Approach for Extracted Maximum Power Enhancement of PV Arrays During Partial Shading. <i>IEEE Transactions on Sustainable Energy</i> , <b>2015</b> , 6, 767-772	8.2	34
85	Cogging torque reduction of axial magnetic gearbox using pole pairing technique <b>2015,</b>		5
84	A grid-connected HVDC shunt tap based on series-input parallel-output DC-AC multi-module 2-level voltage source converters <b>2015,</b>		3
83	Energy in smart grid: Strategies and technologies for efficiency enhancement <b>2015,</b>		6
82	<b>2015,</b>		7
81	Dynamic voltage restorer for voltage sag mitigation in oil & gas industry <b>2015,</b>		3
80	A Zeta-converter based four-switch three-phase DC-AC inverter <b>2015,</b>		2
79	. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 108-123	7.2	209
78	. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 4891-4905	7.2	34
77	Association between a PD-1 gene polymorphism and antisperm antibody-related infertility in Iranian men. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2015</b> , 32, 103-6	3.4	11
76	Effect of Stator Winding Connection of Five-Phase Induction Machines on Torque Ripples Under Open Line Condition. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2015</b> , 20, 580-593	5.5	28
75	A grid-connected switched PV array <b>2015,</b>		1
74	High voltage pulse generator based on DC-to-DC boost converter with capacitor-diode voltage multipliers for bacterial decontamination <b>2015,</b>		11
73	A dual three-phase induction machine based flywheel storage system driven by modular multilevel converters for fault ride through in HVDC systems <b>2015,</b>		4

72	Enhancement of the extracted maximum power of PV array during partial shading using switched PV-based system <b>2015,</b>		1
71	A new single tooth winding layout for a single-phase induction motor with segmented stator <b>2015,</b>		5
70	Whole exome sequencing reveals a MLL de novo mutation associated with mild developmental delay and without hairy elbows expanding the phenotype of Wiedemann-Steiner syndrome. <i>Journal of Genetics</i> , <b>2015</b> , 94, 755-8	1.2	12
69	A cascaded boost inverter-based open-end winding three-phase induction motor drive for photovoltaic-powered pumping applications <b>2015,</b>		2
68	Performance assessment of inductive power transfer for railway applications <b>2015,</b>		2
67	A reduced switch-count SEPIC-based inverter for asymmetrical dual three-phase induction machines <b>2015,</b>		2
66	<b>2015,</b>		3
65	A nine-arm modular multilevel converter (9A-MMC) for six-phase medium voltage motor drives <b>2015,</b>		9
64	An asymmetrical six-phase induction motor drive based on nine-arm Modular Multilevel Converter (9AMMC) with circulating current suppression <b>2015,</b>		7
63	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2015</b> , 22, 3290-3298	2.3	30
62	Low Space Harmonics Cancellation in Double-Layer Fractional Slot Winding Using Dual Multiphase Winding. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-10	2	72
61	Bidirectional Buck-Boost Inverter-Based HVDC Transmission System With AC-Side Contribution Blocking Capability During DC-Side Faults. <i>IEEE Transactions on Power Delivery</i> , <b>2014</b> , 29, 1249-1261	4.3	11
60	A Single-Stage Three-Phase Inverter Based on Cuk Converters for PV Applications. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2014</b> , 2, 797-807	5.6	56
59	Sinusoidal PWM modulation technique of five-phase current-source-converters with controlled modulation index <b>2014,</b>		4
58	Non-linear sliding-mode control of three-phase buck-boost inverter <b>2014,</b>		7
57	Performance assessment of single and dual loops discrete PR controllers with LCL filter for inverter-based distributed generation <b>2014,</b>		1
56	A bearingless coaxial magnetic gearbox. <i>AEJ - Alexandria Engineering Journal</i> , <b>2014</b> , 53, 573-582	6.1	7
55	Phase locked loop with fast tracking over wide stability range under grid faults <b>2014,</b>		2

54	A New Protection Scheme for HVDC Converters Against DC-Side Faults With Current Suppression Capability. <i>IEEE Transactions on Power Delivery</i> , <b>2014</b> , 29, 1569-1577	4.3	73
53	Parameter Identification of Five-Phase Induction Machines With Single Layer Windings. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 5139-5154	8.9	39
52	An axial magnetic gearbox with an electric power output port <b>2014</b> ,		4
51	Active Power Filter <b>2014</b> , 534-572		3
50	Single-Sensor-Based Three-Phase Permanent-Magnet Synchronous Motor Drive System With Luenberger Observers for Motor Line Current Reconstruction. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 2602-2613	4.3	51
49	Boost inverter-based HVDC transmission system with inherent blocking capability of AC side contribution during DC side faults. <i>Electric Power Systems Research</i> , <b>2014</b> , 116, 12-23	3.5	6
48	A five-phase induction machine model using multiple DQ planes considering the effect of magnetic saturation <b>2014</b> ,		4
47	Investigation of sensorless capacitor voltage balancing technique for modular multilevel converters <b>2014</b> ,		17
46	Microstructure and Superparamagnetic Properties of Mg-Ni-Cd Ferrites Nanoparticles. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-7	3.2	11
45	<b>2014</b> ,		3
44	Harmonic rejection in current source inverter-based distributed generation with grid voltage distortion using multi-synchronous reference frame. <i>IET Power Electronics</i> , <b>2014</b> , 7, 1323-1330	2.2	9
43	A stationary frame current control for inverter-based distributed generation with sensorless active damped LCL filter using Kalman filter <b>2014</b> ,		2
42	Modular multilevel structure of a high power dual active bridge DC transformer with stepped two-level output <b>2014</b> ,		16
41	A series flywheel architecture for power levelling and mitigation of DC voltage transients in multi-terminal HVDC grids. <i>IET Generation, Transmission and Distribution</i> , <b>2014</b> , 8, 1951-1959	2.5	16
40	<b>2014</b> ,		9
39	Calculation of derating factors based on steady-state unbalanced multiphase induction machine model under open phase(s) and optimal winding currents. <i>Electric Power Systems Research</i> , <b>2014</b> , 106, 214-225	3.5	24
38	A static three-phase to five-phase transformer based on Scott connection. <i>Electric Power Systems Research</i> , <b>2014</b> , 110, 84-93	3.5	5
37	An Interline Dynamic Voltage Restoring and Displacement Factor Controlling Device (IVDFC). <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 2737-2749	7.2	21

36	Effect of Stator Winding Connection on Performance of Five-Phase Induction Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 3-19	8.9	70
35	Biological and Phenotypic Alterations of T Cells in Aging <b>2014</b> , 177-182		2
34	Age-Associated Alterations of Pleiotropic Stem Cell and the Therapeutic Implication of Stem Cell Therapy in Aging <b>2014</b> , 25-35		1
33	Anti-cyclic citrullinated peptide antibody and rheumatoid factor isotypes in Iranian patients with rheumatoid arthritis: evaluation of clinical value and association with disease activity. <i>Iranian Journal of Allergy, Asthma and Immunology</i> , <b>2014</b> , 13, 147-56	1.1	7
32	. <i>IEEE Transactions on Sustainable Energy</i> , <b>2013</b> , 4, 58-67	8.2	38
31	. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 5124-5134	2	22
30	. <i>IEEE Transactions on Energy Conversion</i> , <b>2013</b> , 28, 576-592	5.4	24
29	. <i>IEEE Transactions on Power Systems</i> , <b>2013</b> , 28, 3401-3409	7	77
28	An adaptive PR controller for inverter-based distribution generation with active damped LCL filter <b>2013</b> ,		3
27	A new five-phase to three-phase back-to-back current source converter based wind energy conversion system <b>2013</b> ,		2
26	New topologies for photovoltaic-fed single-stage boost inverters <b>2013</b> ,		1
25	<b>2013</b> ,		10
24	Open loop V/f control of multiphase induction machine under open-circuit phase faults <b>2013</b> ,		7
23	Effect of Current Harmonic Injection on Constant Rotor Volume Multiphase Induction Machine Stators: A Comparative Study. <i>IEEE Transactions on Industry Applications</i> , <b>2012</b> , 48, 2002-2013	4.3	43
22	Effects of Mirazid(□) and myrrh volatile oil on adult <i>Fasciola gigantica</i> under laboratory conditions. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2012</b> , 2, 875-84	1.4	18
21	Simplified generic on-line PWM technique for single phase grid connected current source inverters <b>2012</b> ,		3
20	. <i>IEEE Transactions on Power Electronics</i> , <b>2011</b> , 26, 1010-1021	7.2	54 <sup>o</sup>
19	Unified power flow controller for low voltage ride through capability of wind-based renewable energy grid-connected systems <b>2011</b> ,		7

18	A Modified Stationary Reference Frame-Based Predictive Current Control With Zero Steady-State Error for LCL Coupled Inverter-Based Distributed Generation Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 1359-1370	8.9	70
17	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 1877-1886	8.9	103
16	A synchronous DQ frame controller via an LCL coupled filter under unbalanced three-phase voltage supply conditions <b>2011</b> ,		3
15	An active damping technique for a current source inverter employing a virtual negative inductance <b>2010</b> ,		6
14	Efficacy of volatile oils (curzerene, furanoeudesma-1, 3-diene and lindestrene) on avian coccidiosis under laboratory conditions. <i>Journal of the Egyptian Society of Parasitology</i> , <b>2010</b> , 40, 699-706	0.9	1
13	Efficacy of myrrh in controlling coccidiosis in chickens. <i>Journal of the Egyptian Society of Parasitology</i> , <b>2010</b> , 40, 751-8	0.9	1
12	Sensorless Current Control of Three-Phase Inverter-Based Distributed Generation. <i>IEEE Transactions on Power Delivery</i> , <b>2009</b> , 24, 919-929	4.3	55
11	Capacitor Balance Issues of the Diode-Clamped Multilevel Inverter Operated in a Quasi Two-State Mode. <i>IEEE Transactions on Industrial Electronics</i> , <b>2008</b> , 55, 3088-3099	8.9	97
10	An SVM Algorithm to Balance the Capacitor Voltages of the Three-Level NPC Active Power Filter. <i>IEEE Transactions on Power Electronics</i> , <b>2008</b> , 23, 2694-2702	7.2	78
9	A new power locus for the p-q operation of series connected 12-pulse current source controlled converters. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , <b>2008</b> ,		6
8	Three-Phase, Three-Wire, Five-Level Cascaded Shunt Active Filter for Power Conditioning, Using Two Different Space Vector Modulation Techniques. <i>IEEE Transactions on Power Delivery</i> , <b>2007</b> , 22, 2349-2361	4.3	53
7	Mirazid in treatment of human hymenolepiasis. <i>Journal of the Egyptian Society of Parasitology</i> , <b>2007</b> , 37, 863-76	0.9	3
6	New trends in diagnosis and treatment of chronic intestinal strongyloidiasis stercoralis in Egyptian patients. <i>Journal of the Egyptian Society of Parasitology</i> , <b>2006</b> , 36, 827-44	0.9	2
5	Acaricidal efficacy of Myrrh ( <i>Commiphora molmol</i> ) on the fowl tick <i>Argas persicus</i> (Acari: Argasidae). <i>Journal of the Egyptian Society of Parasitology</i> , <b>2005</b> , 35, 667-86	0.9	7
4	Compatibility of <i>Biomphalaria alexandrina</i> snails to infection with <i>Schistosoma mansoni</i> after exposure to sublethal concentrations of Myrrh. <i>Journal of the Egyptian Society of Parasitology</i> , <b>2004</b> , 34, 995-1008	0.9	4
3	Treatment of Egyptian dicrocoeliasis in man and animals with Mirazid. <i>Journal of the Egyptian Society of Parasitology</i> , <b>2003</b> , 33, 437-42	0.9	8
2	Biochemical changes of <i>Culex pipiens</i> larvae treated with oil and oleo-resin extracts of Myrrh <i>Commiphora molmol</i> . <i>Journal of the Egyptian Society of Parasitology</i> , <b>2001</b> , 31, 517-29	0.9	6
1	Larvicidal activity of <i>Commiphora molmol</i> against <i>Culex pipiens</i> and <i>Aedes caspius</i> larvae. <i>Journal of the Egyptian Society of Parasitology</i> , <b>2000</b> , 30, 101-15	0.9	6

