

Ayman Abdel-Khalik

List of Publications by Year in descending order

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207
papers

3,559
citations

136950

32
h-index

189892

50
g-index

209
all docs

209
docs citations

209
times ranked

2316
citing authors

#	ARTICLE	IF	CITATIONS
1	A Nine-Switch-Converter-Based Integrated Motor Drive and Battery Charger System for EVs Using Symmetrical Six-Phase Machines. IEEE Transactions on Industrial Electronics, 2016, 63, 5326-5335.	7.9	115
2	A Review of Integrated On-Board EV Battery Chargers: Advanced Topologies, Recent Developments and Optimal Selection of FSCW Slot/Pole Combination. IEEE Access, 2020, 8, 85216-85242.	4.2	110
3	Improved Flux Pattern With Third Harmonic Injection for Multiphase Induction Machines. IEEE Transactions on Power Electronics, 2012, 27, 1563-1578.	7.9	102
4	Low Space Harmonics Cancellation in Double-Layer Fractional Slot Winding Using Dual Multiphase Winding. IEEE Transactions on Magnetics, 2015, 51, 1-10.	2.1	102
5	Optimum Power Transmission-Based Droop Control Design for Multi-Terminal HVDC of Offshore Wind Farms. IEEE Transactions on Power Systems, 2013, 28, 3401-3409.	6.5	97
6	Effect of Stator Winding Connection on Performance of Five-Phase Induction Machines. IEEE Transactions on Industrial Electronics, 2014, 61, 3-19.	7.9	93
7	A New Protection Scheme for HVDC Converters Against DC-Side Faults With Current Suppression Capability. IEEE Transactions on Power Delivery, 2014, 29, 1569-1577.	4.3	93
8	A differential protection technique for multi-terminal HVDC. Electric Power Systems Research, 2016, 130, 78-88.	3.6	89
9	A Flywheel Energy Storage System for Fault Ride Through Support of Grid-Connected VSC HVDC-Based Offshore Wind Farms. IEEE Transactions on Power Systems, 2016, 31, 1671-1680.	6.5	78
10	Parameter Estimation of Asymmetrical Six-Phase Induction Machines Using Modified Standard Tests. IEEE Transactions on Industrial Electronics, 2017, 64, 6075-6085.	7.9	74
11	Optimum Flux Distribution With Harmonic Injection for a Multiphase Induction Machine Using Genetic Algorithms. IEEE Transactions on Energy Conversion, 2011, 26, 501-512.	5.2	72
12	Effect of Multilayer Windings With Different Stator Winding Connections on Interior PM Machines for EV Applications. IEEE Transactions on Magnetics, 2016, 52, 1-7.	2.1	72
13	Single-Sensor-Based Three-Phase Permanent-Magnet Synchronous Motor Drive System With Luenberger Observers for Motor Line Current Reconstruction. IEEE Transactions on Industry Applications, 2014, 50, 2602-2613.	4.9	71
14	An Improved Fault-Tolerant Five-Phase Induction Machine Using a Combined Star/Pentagon Single Layer Stator Winding Connection. IEEE Transactions on Industrial Electronics, 2016, 63, 618-628.	7.9	64
15	Performance Evaluation of a Five-Phase Modular Winding Induction Machine. IEEE Transactions on Industrial Electronics, 2012, 59, 2654-2669.	7.9	62
16	Effect of Current Harmonic Injection on Constant Rotor Volume Multiphase Induction Machine Stators: A Comparative Study. IEEE Transactions on Industry Applications, 2012, 48, 2002-2013.	4.9	57
17	Parameter Identification of Five-Phase Induction Machines With Single Layer Windings. IEEE Transactions on Industrial Electronics, 2014, 61, 5139-5154.	7.9	48
18	A Pulsewidth Modulation Technique for High-Voltage Gain Operation of Three-Phase Z-Source Inverters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 521-533.	5.4	48

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19	A Four-Switch Three-Phase SEPIC-Based Inverter. IEEE Transactions on Power Electronics, 2015, 30, 4891-4905.	7.9	47
20	Fault Current Contribution of Medium Voltage Inverter and Doubly-Fed Induction-Machine-Based Flywheel Energy Storage System. IEEE Transactions on Sustainable Energy, 2013, 4, 58-67.	8.8	44
21	A Switched PV Approach for Extracted Maximum Power Enhancement of PV Arrays During Partial Shading. IEEE Transactions on Sustainable Energy, 2015, 6, 767-772.	8.8	44
22	A Six-Phase 24-Slot/10-Pole Permanent-Magnet Machine With Low Space Harmonics for Electric Vehicle Applications. IEEE Transactions on Magnetics, 2016, 52, 1-10.	2.1	44
23	Postfault Operation of a Nine-Phase Six-Terminal Induction Machine Under Single Open-Line Fault. IEEE Transactions on Industrial Electronics, 2018, 65, 1084-1096.	7.9	44
24	A non-communication based protection algorithm for multi-terminal HVDC grids. Electric Power Systems Research, 2017, 144, 41-51.	3.6	43
25	Dynamic Modeling of Dual Three-Phase IPMSM Drives With Different Neutral Configurations. IEEE Transactions on Industrial Electronics, 2019, 66, 141-151.	7.9	41
26	Effect of Stator Winding Connection of Five-Phase Induction Machines on Torque Ripples Under Open Line Condition. IEEE/ASME Transactions on Mechatronics, 2015, 20, 580-593.	5.8	38
27	An Improved Torque Density Synchronous Reluctance Machine With a Combined Star/Delta Winding Layout. IEEE Transactions on Energy Conversion, 2018, 33, 1015-1024.	5.2	38
28	Fault current contribution scenarios for grid-connected voltage source inverter-based distributed generation with an LCL filter. Electric Power Systems Research, 2013, 104, 93-103.	3.6	37
29	A Space Vector PWM Scheme for Five-Phase Current-Source Converters. IEEE Transactions on Industrial Electronics, 2016, 63, 562-573.	7.9	36
30	Effect of Winding Configuration on Six-Phase Induction Machine Parameters and Performance. IEEE Access, 2020, 8, 223009-223020.	4.2	36
31	Ride-Through Capability of Grid-Connected Brushless Cascade DFIG Wind Turbines in Faulty Grid Conditions—A Comparative Study. IEEE Transactions on Sustainable Energy, 2013, 4, 1002-1015.	8.8	34
32	Calculation of derating factors based on steady-state unbalanced multiphase induction machine model under open phase(s) and optimal winding currents. Electric Power Systems Research, 2014, 106, 214-225.	3.6	33
33	Steady-State Mathematical Modeling of a Five-Phase Induction Machine With a Combined Star/Pentagon Stator Winding Connection. IEEE Transactions on Industrial Electronics, 2016, 63, 1331-1343.	7.9	33
34	Postfault Full Torque Speed Exploitation of Dual Three-Phase IPMSM Drives. IEEE Transactions on Industrial Electronics, 2019, 66, 6746-6756.	7.9	32
35	A Voltage-Behind-Reactance Model of Five-Phase Induction Machines Considering the Effect of Magnetic Saturation. IEEE Transactions on Energy Conversion, 2013, 28, 576-592.	5.2	30
36	Analysis of Scalar PWM Approach With Optimal Common-Mode Voltage Reduction Technique for Five-Phase Inverters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1854-1871.	5.4	30

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37	A power control strategy for flywheel doubly-fed induction machine storage system using artificial neural network. <i>Electric Power Systems Research</i> , 2013, 96, 267-276.	3.6	29
38	An Improved Performance Direct-Drive Permanent Magnet Wind Generator Using a Novel Single-Layer Winding Layout. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 5124-5134.	2.1	28
39	Investigation of sensorless capacitor voltage balancing technique for modular multilevel converters. , 2014, , .		28
40	An Interline Dynamic Voltage Restoring and Displacement Factor Controlling Device (IVDFC). <i>IEEE Transactions on Power Electronics</i> , 2014, 29, 2737-2749.	7.9	28
41	A Droop Control Design for Multiterminal HVDC of Offshore Wind Farms With Three-Wire Bipolar Transmission Lines. <i>IEEE Transactions on Power Systems</i> , 2016, 31, 1546-1556.	6.5	27
42	Effect of DC-Link Voltage Limitation on Postfault Steady-State Performance of Asymmetrical Six-Phase Induction Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 6890-6900.	7.9	27
43	An Optimal PWM Technique for Dual-Output Nine-Switch Boost Inverters With Minimum Passive Component Count. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 1065-1079.	7.9	27
44	Interior permanent magnet motorâ€based isolated onâ€board integrated battery charger for electric vehicles. <i>IET Electric Power Applications</i> , 2018, 12, 124-134.	1.8	26
45	Assessment of Predictive Current Control of Six-Phase Induction Motor With Different Winding Configurations. <i>IEEE Access</i> , 2021, 9, 81125-81138.	4.2	26
46	DC bus control of an advanced flywheel energy storage kinetic traction system for electrified railway industry. , 2013, , .		25
47	A Nine-Phase Six-Terminal Concentrated Single-Layer Winding Layout for High-Power Medium-Voltage Induction Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 1796-1806.	7.9	25
48	Application of Standard Three-Phase Stator Frames in Prime Phase Order Multiphase Machine Construction. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 2506-2517.	7.9	25
49	On the development of flywheel storage systems for power system applications: A survey. , 2012, , .		24
50	Vector controlled multiphase induction machine: Harmonic injection using optimized constant gains. <i>Electric Power Systems Research</i> , 2012, 89, 116-128.	3.6	24
51	Low-Order Space Harmonic Modeling of Asymmetrical Six-Phase Induction Machines. <i>IEEE Access</i> , 2019, 7, 6866-6876.	4.2	24
52	Fault-Tolerant Control of Five-Phase Current Source Inverter for Medium-Voltage Drives. , 2014, , .		23
53	Nine-Phase Six-Terminal Induction Machine Modeling Using Vector Space Decomposition. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 988-1000.	7.9	23
54	Application of stator shifting to fiveâ€phase fractionalâ€slot concentrated winding interior permanent magnet synchronous machine. <i>IET Electric Power Applications</i> , 2016, 10, 681-690.	1.8	21

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55	Postfault Control of Scalar (V/f) Controlled Asymmetrical Six-Phase Induction Machines. IEEE Access, 2018, 6, 59211-59220.	4.2	20
56	Fault Identification of Photovoltaic Array Based on Machine Learning Classifiers. IEEE Access, 2021, 9, 159113-159132.	4.2	20
57	Dynamic Modeling of a Five-Phase Induction Machine With a Combined Star/Pentagon Stator Winding Connection. IEEE Transactions on Energy Conversion, 2016, 31, 1645-1656.	5.2	18
58	Common-mode voltage reduction for space vector modulated three- to five-phase indirect matrix converter. International Journal of Electrical Power and Energy Systems, 2018, 95, 266-274.	5.5	18
59	A series flywheel architecture for power levelling and mitigation of DC voltage transients in multi-terminal HVDC grids. IET Generation, Transmission and Distribution, 2014, 8, 1951-1959.	2.5	17
60	A sensorless Kalman filter-based active damping technique for grid-tied VSI with LCL filter. International Journal of Electrical Power and Energy Systems, 2017, 93, 146-155.	5.5	17
61	A single-stage three-phase DC/AC inverter based on Cuk converter for PV application. , 2013, , .		16
62	A static three-phase to five-phase transformer based on Scott connection. Electric Power Systems Research, 2014, 110, 84-93.	3.6	15
63	Bidirectional Buck-Boost Inverter-Based HVDC Transmission System With AC-Side Contribution Blocking Capability During DC-Side Faults. IEEE Transactions on Power Delivery, 2014, 29, 1249-1261.	4.3	15
64	Ride-through capability enhancement of VSC-HVDC based wind farms using low speed flywheel energy storage system. , 2014, , .		15
65	Steady-State Equivalent Circuit of Five-Phase Induction Machines with Different Stator Connections under Open Line Conditions. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	7.9	15
66	An Improved Torque Density Pseudo Six-Phase Induction Machine Using a Quadruple Three-Phase Stator Winding. IEEE Transactions on Industrial Electronics, 2020, 67, 1855-1866.	7.9	15
67	Enhanced Quadratic V/f-Based Induction Motor Control of Solar Water Pumping System. Energies, 2021, 14, 104.	3.1	15
68	Two-to-one internal resonances in nonlinear two degree of freedom system with parametric and external excitations. Mathematics and Computers in Simulation, 2003, 63, 45-56.	4.4	14
69	A bearingless coaxial magnetic gearbox. AEJ - Alexandria Engineering Journal, 2014, 53, 573-582.	6.4	14
70	Postfault Operation of Five-Phase Induction Machine With Minimum Total Losses Under Single Open-Phase Fault. IEEE Access, 2020, 8, 208696-208706.	4.2	14
71	Postfault Operation of Onboard Integrated Battery Charger via a Nine-Phase EV-Drive Train. IEEE Transactions on Industrial Electronics, 2021, 68, 5626-5637.	7.9	14
72	Effects of flux derating methods on torque production of fault-tolerant polyphase induction drives. IET Electric Power Applications, 2021, 15, 616-628.	1.8	14

#	ARTICLE	IF	CITATIONS
73	Sensorless field oriented control of five-phase induction machine under open-circuit phase faults. , 2013, , .		13
74	Wind farms-fed HVDC system power profile enhancement using solid state transformer based flywheel energy storage system. Journal of Energy Storage, 2015, 4, 145-155.	8.1	13
75	A Senior Project-Based Multiphase Motor Drive System Development. IEEE Transactions on Education, 2016, 59, 307-318.	2.4	13
76	Zero-/Low-Speed Operation of Multiphase Drive Systems With Modular Multilevel Converters. IEEE Access, 2019, 7, 14353-14365.	4.2	13
77	Standard Three-Phase Stator Frames for Multiphase Machines of Prime-Phase Order: Optimal Selection of Slot/Pole Combination. IEEE Access, 2019, 7, 78239-78259.	4.2	13
78	IoT-Based Supervisory Control of an Asymmetrical Nine-Phase Integrated on-Board EV Battery Charger. IEEE Access, 2020, 8, 62619-62631.	4.2	13
79	Fault ride-through capability enhancement based on flywheel energy storage system for wind farms connected via VSC high voltage DC transmission. , 2012, , .		12
80	Active and reactive power management of photovoltaic-based interline dynamic voltage restorer in low voltage distribution networks. , 2012, , .		12
81	Pre- and Postfault Current Control of Dual Three-Phase Reluctance Synchronous Drives. IEEE Transactions on Industrial Electronics, 2020, 67, 3361-3373.	7.9	12
82	A New Hybrid Dual Active Bridge Modular Multilevel Based DC-DC Converter for HVDC Networks. IEEE Access, 2021, 9, 62055-62073.	4.2	12
83	Modeling and Control of Single-Stage Quadratic-Boost Split Source Inverters. IEEE Access, 2022, 10, 24162-24180.	4.2	12
84	Modified modulation scheme for photovoltaic fed grid-connected three-phase boost inverter. , 2013, , .		11
85	Indirect field oriented control of five-phase induction motor based on SPWM-CSI. , 2014, , .		11
86	A nine-arm modular multilevel converter (9A-MMC) for six-phase medium voltage motor drives. , 2015, , .		11
87	Improved flux pattern by third harmonic injection for multiphase induction machines using neural network. AEJ - Alexandria Engineering Journal, 2011, 50, 163-169.	6.4	10
88	A new fifteen-switch inverter topology for two five-phase motors drive. , 2016, , .		10
89	A new dual series-connected Nine-Switch Converter topology for a twelve-phase induction machine wind energy system. , 2017, , .		10
90	Improved Mathematical Modeling of Six Phase Induction Machines Based on Fractional Calculus. IEEE Access, 2021, 9, 53146-53155.	4.2	10

#	ARTICLE	IF	CITATIONS
91	A Ring-Connected Dual Active Bridge Based DC-DC Multiport Converter for EV Fast-Charging Stations. IEEE Access, 2022, 10, 52052-52066.	4.2	10
92	Steady-State Performance and Stability Analysis of Mixed Pole Machines With Electromechanical Torque and Rotor Electric Power to a Shaft-Mounted Electrical Load. IEEE Transactions on Industrial Electronics, 2010, 57, 22-34.	7.9	9
93	Sinusoidal PWM modulation technique of five-phase current-source-converters with controlled modulation index. , 2014, , .		9
94	Non-linear sliding-mode control of three-phase buck-boost inverter. , 2014, , .		9
95	An asymmetrical six-phase induction motor drive based on nine-arm Modular Multilevel Converter (9AMMC) with circulating current suppression. , 2015, , .		9
96	Performance of nine-switch inverter-fed asymmetrical six-phase induction machine under machine and converter faults. , 2016, , .		9
97	Design and Performance Evaluation of a Three-Phase Self-Excited Induction Generator Feeding Single-Phase Loads. Electric Power Components and Systems, 2019, 47, 486-500.	1.8	9
98	Carrier-Based PWM Strategy for Quasi-Z Source Nine-Switch Inverters. , 2019, , .		9
99	Optimal Design of A 12-Slot/10-Pole Six-Phase SPM Machine with Different Winding Layouts for Integrated On-Board EV Battery Charging. Energies, 2021, 14, 1848.	3.1	9
100	Predictive Current Control of Six-Phase IM-Based Nonisolated Integrated On-Board Battery Charger Under Different Winding Configurations. IEEE Transactions on Power Electronics, 2022, 37, 8345-8358.	7.9	9
101	A design example of an 8-pole radial AMB for flywheel energy storage. , 2012, , .		8
102	Sensorless V/f control with MRAS speed estimator for a five-phase induction machine under open-circuit phase faults. , 2013, , .		8
103	Integrating flywheel energy storage system to wind farms-fed HVDC system via a solid state transformer. , 2014, , .		8
104	A dual three-phase induction machine based flywheel storage system driven by modular multilevel converters for fault ride through in HVDC systems. , 2015, , .		8
105	A new single tooth winding layout for a single-phase induction motor with segmented stator. , 2015, , .		8
106	An improved fault tolerant for a five-phase induction machine under open gate transistor faults. AEJ - Alexandria Engineering Journal, 2016, 55, 2609-2620.	6.4	8
107	Solid-State Transformer-Based DC Power Distribution Network for Shipboard Applications. Applied Sciences (Switzerland), 2022, 12, 2001.	2.5	8
108	Performance evaluation of grid connected wind energy conversion systems with five-phase modular permanent magnet synchronous generators having different slot and pole number combinations. , 2011, , .		7

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109	Performance evaluation of a five-phase modular external rotor PM machine with different rotor poles. AEJ - Alexandria Engineering Journal, 2012, 51, 249-261.	6.4	7
110	Effects of unbalanced voltage on the steady-state performance of a five-phase induction motor with three different stator winding connections. , 2014, , .		7
111	An axial magnetic gearbox with an electric power output port. , 2014, , .		7
112	Boost inverter-based HVDC transmission system with inherent blocking capability of AC side contribution during DC side faults. Electric Power Systems Research, 2014, 116, 12-23.	3.6	7
113	Cogging torque reduction of axial magnetic gearbox using pole pairing technique. , 2015, , .		7
114	Common-mode voltage reduction of matrix converter fed seven-phase induction machine. , 2016, , .		7
115	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. IET Renewable Power Generation, 2016, 10, 370-379.	3.1	7
116	Fault Detection and Diagnosis for Photovoltaic Array Under Grid Connected Using Support Vector Machine. , 2019, , .		7
117	Predictive current control based pseudo six-phase induction motor drive. AEJ - Alexandria Engineering Journal, 2022, 61, 3937-3948.	6.4	7
118	A Family of Discontinuous PWM Strategies for Quasi Z-Source Nine-Switch Inverters. IEEE Access, 2021, 9, 169161-169176.	4.2	7
119	General Current Control of Six-Phase-Based Non-Isolated Integrated On-Board Charger with Low Order Harmonic Compensation. Sustainability, 2022, 14, 1088.	3.2	7
120	Magnetic gearbox with an electric power output port and fixed speed ratio for wind energy applications. , 2012, , .		6
121	A five-phase induction machine model using multiple DQ planes considering the effect of magnetic saturation. , 2014, , .		6
122	Grid connected high power medium voltage wind energy conversion system with reduced line harmonics. , 2015, , .		6
123	AC-powered multi-module high-voltage pulse-generator with sinusoidal input current for water treatment via underwater pulsed arc discharge. , 2017, , .		6
124	Series-connected multi-half-bridge modules converter for integrating multi-megawatt wind multi-phase permanent magnet synchronous generator with dc grid. IET Electric Power Applications, 2017, 11, 981-990.	1.8	6
125	Model-predictive control for common-mode voltage reduction and third-harmonic current injection techniques with five-phase inverters. , 2017, , .		6
126	Nine-phase six-terminal pole-amplitude modulated induction motor for electric vehicle applications. IET Electric Power Applications, 2019, 13, 1696-1707.	1.8	6

#	ARTICLE	IF	CITATIONS
127	Improved Damping Control Method for Grid-Forming Converters Using LQR and Optimally Weighted Feedback Control Loops. IEEE Access, 2021, 9, 87484-87500.	4.2	6
128	Vector control of multiphase induction machine under open-circuit phase faults. , 2013, , .		5
129	A Scott connection-based three-phase to five-phase power transformer. , 2013, , .		5
130	A reduced switch-count single-phase SEPIC-based inverter. , 2015, , .		5
131	Multi-Terminal HVDC System With Offshore Wind Farms Under Anomalous Conditions: Stability Assessment. IEEE Access, 2021, 9, 92661-92675.	4.2	5
132	Design and Multi-Objective Optimization of a 12-Slot/10-Pole Integrated OBC Using Magnetic Equivalent Circuit Approach. Machines, 2021, 9, 329.	2.2	5
133	Control of rotor torque and rotor electric power of a shaft-mounted electrical load in a mixed pole machine. IET Electric Power Applications, 2009, 3, 265.	1.8	4
134	Performance of VFT when connecting two power grids operating under different frequencies. , 2010, , .		4
135	Comparative evaluation of four quasi-square wave fed multiphase induction machines. , 2011, , .		4
136	Five-Phase Modular External Rotor PM Machines with Different Rotor Poles: A Comparative Simulation Study. Modelling and Simulation in Engineering, 2012, 2012, 1-14.	0.7	4
137	A coaxial magnetic gearbox with magnetic levitation capabilities. , 2012, , .		4
138	A wind turbine architecture employing a new three port magnetic gear box. , 2012, , .		4
139	Brushless doubly fed induction machine as a variable frequency transformer. , 2012, , .		4
140	An adaptive PR controller for inverter-based distribution generation with active damped LCL filter. , 2013, , .		4
141	Performance evaluation of a transformerless multiphase electric submersible pump system. Journal of Engineering, 2014, 2014, 407-414.	1.1	4
142	Torque ripple alleviation of a radial magnetic gearbox using step skewing approach. , 2014, , .		4
143	A cascaded boost inverter-based open-end winding three-phase induction motor drive for photovoltaic-powered pumping applications. , 2015, , .		4
144	A reduced switch-count SEPIC-based inverter for asymmetrical dual three-phase induction machines. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
145	A directional protection technique for MTDC networks. , 2015, , .		4
146	A five-phase linear induction machine with planar modular winding. , 2015, , .		4
147	A particle swarm optimization for optimum design of fractional order PID Controller in Active Magnetic Bearing systems. , 2016, , .		4
148	Performance Evaluation of an On-Board Integrated Battery Charger System Using a 12-Slot/10-Pole Surface-Mounted PM Propulsion Motor. , 2017, , .		4
149	Predictive current control of asymmetrical six-phase induction motor without weighting factors. AEJ - Alexandria Engineering Journal, 2022, 61, 3793-3803.	6.4	4
150	Design and evaluation of a magnetic planetary gearbox for compact harsh environments. , 2010, , .		3
151	Control of doubly-fed induction machine storage system for constant charging/discharging grid power using artificial neural network. , 2012, , .		3
152	Studying the effect of over-modulation on the output voltage of three-phase single-stage grid-connected boost inverter. AEJ - Alexandria Engineering Journal, 2013, 52, 347-358.	6.4	3
153	Generalized theory of mixed pole machines with a general rotor configuration. AEJ - Alexandria Engineering Journal, 2013, 52, 19-33.	6.4	3
154	A new five-phase to three-phase back-to-back current source converter based wind energy conversion system. , 2013, , .		3
155	Maximum power transfer of PV-fed inverter-based distributed generation with improved voltage regulation using flywheel energy storage systems. , 2014, , .		3
156	A stationary frame current control for inverter-based distributed generation with sensorless active damped LCL filter using Kalman filter. , 2014, , .		3
157	An asymmetrical six phase induction machine for flywheel energy storage drive systems. , 2014, , .		3
158	A grid-connected switched PV array. , 2015, , .		3
159	A grid-connected HVDC shunt tap based on series-input parallel-output DC-AC multi-module 2-level voltage source converters. , 2015, , .		3
160	A Zeta-converter based four-switch three-phase DC-AC inverter. , 2015, , .		3
161	Effect of Stator Winding Connection on Performance of Five-Phase Linear Induction Machines. , 2016, , .		3
162	Investigation of a three-phase self-excited induction generator feeding single-phase loads. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
163	A unified SVPWM realization for minimizing circulating currents of dual three phase machines. , 2017, , .		3
164	A Nine-phase Six-Terminal Fractional-Slot-Winding for Interior Permanent-Magnet Machines with Low Space Harmonics. , 2018, , .		3
165	Enhanced Electromechanical Modeling of Asymmetrical Dual Three-Phase IPMSM Drives. , 2018, , .		3
166	Performance evaluation of mixed pole machines with electromechanical torque and rotor electric power. , 2008, , .		2
167	Optimum flux distribution with harmonic injection for multiphase induction machine. , 2010, , .		2
168	Performance of a five-phase boost inverter-fed submersible induction machine. , 2013, , .		2
169	New topologies for photovoltaic-fed single-stage boost inverters. , 2013, , .		2
170	Multi-module Bi-directional Buck-Boost Inverter-based HVDC back-to-back transmission system. , 2013, , .		2
171	Medium voltage flywheel energy storage system employing dual three-phase induction machine with machine-side series-connected converters. , 2014, , .		2
172	Performance assessment of single and dual loops discrete PR controllers with LCL filter for inverter-based distributed generation. , 2014, , .		2
173	Torque Ripple Reduction of Radial Magnetic Gearbox Using Axial Pole Pairing. , 2014, , .		2
174	Discrete time domain analysis and optimal design of stationary frame AC current controllers with active damped LCL Filter for high power applications. , 2014, , .		2
175	Enhancement of the extracted maximum power of PV array during partial shading using switched PV-based system. , 2015, , .		2
176	Effect of multilayer windings on five-phase interior PM machines. , 2016, , .		2
177	Performance of a three-to-five matrix converter fed five-phase induction motor under open-circuit switch faults. , 2016, , .		2
178	An improved post-fault controller for asymmetrical six-phase induction machine using fractional order PI current controllers. , 2017, , .		2
179	A New Six-Phase FSCW Layout for Permanent Magnet Synchronous Wind Generators. , 2020, , .		2
180	A Three-Phase Nonisolated Pseudo-Six-Phase-Based Integrated Onboard Battery Charger for Electric Vehicles. IEEE Transactions on Transportation Electrification, 2023, 9, 1300-1310.	7.8	2

#	ARTICLE	IF	CITATIONS
181	Control of rotor torque and rotor electric power in a reluctance wound Rotor Brushless doubly fed machine. , 2009, , .		1
182	Periodic solutions and stability for a weakly damped nonlinear Mathieu equation. Physica Scripta, 2010, 81, 015008.	2.5	1
183	A permanent-magnet machine with improved torque density based on a single layer winding layout for electric vehicle applications. , 2014, , .		1
184	A new permanent-magnet vernier machine using a single layer winding layout for electric vehicles. , 2014, , .		1
185	Investigation of multimodule buck-boost inverter-based HVDC transmission system. Journal of Engineering, 2015, 2015, 31-37.	1.1	1
186	Structural Identifiability Analysis of Steady-State Induction Machine Models. , 2015, , .		1
187	Control of Power Converters for Emerging Applications of Power Electronics. Journal of Control Science and Engineering, 2016, 2016, 1-2.	1.0	1
188	Design of Optimal Droop Control for Multi-Terminal High-Voltage Direct Current Systems During Line Outages. Electric Power Components and Systems, 2019, 47, 772-784.	1.8	1
189	Position Control of Arm Manipulator Within Fractional Order PID Utilizing Particle Swarm Optimization Algorithm. , 2019, , .		1
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