

Mahmoud Masoud

List of Publications by Year in descending order

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48
all docs

48
docs citations

48
times ranked

631
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Flux Pattern With Third Harmonic Injection for Multiphase Induction Machines. IEEE Transactions on Power Electronics, 2012, 27, 1563-1578.	7.9	102
2	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
3	Medium-Voltage 12-Pulse Converter: Output Voltage Harmonic Compensation Using a Series APF. IEEE Transactions on Industrial Electronics, 2014, 61, 43-52.	7.9	67
4	Eleven-phase induction machine: steady-state analysis and performance evaluation with harmonic injection. IET Electric Power Applications, 2010, 4, 670.	1.8	59
5	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
6	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
7	Vector control PWM-VSI induction motor drive with a long motor feeder: performance analysis of line filter networks. IET Electric Power Applications, 2011, 5, 443.	1.8	30
8	A Shunt Active Power Filter for a Medium-Voltage 12-Pulse Current Source Converter Using Open Loop Control Compensation. IEEE Transactions on Industrial Electronics, 2014, 61, 5840-5850.	7.9	29
9	Job shop scheduling with a combination of four buffering constraints. International Journal of Production Research, 2018, 56, 3274-3293.	7.5	29
10	Improved Sensorless Operation of a CSI-Based Induction Motor Drive: Long Feeder Case. IEEE Transactions on Power Electronics, 2013, 28, 4001-4012.	7.9	26
11	Modified Indirect Vector Control Technique for Current-Source Induction Motor Drive. IEEE Transactions on Industry Applications, 2012, 48, 2433-2442.	4.9	25
12	Medium voltage 12-pulse converter: ac side compensation using a shunt active power filter in a novel front end transformer configuration. IET Power Electronics, 2012, 5, 1315.	2.1	24
13	Vector controlled multiphase induction machine: Harmonic injection using optimized constant gains. Electric Power Systems Research, 2012, 89, 116-128.	3.6	24
14	A job-shop scheduling approach for optimising sugarcane rail operations. Flexible Services and Manufacturing Journal, 2011, 23, 181-206.	3.4	18
15	Street lighting using solar powered LED light technology: Sultan Qaboos University Case Study. , 2015, , .		18
16	An integrated approach to optimise sugarcane rail operations. Computers and Industrial Engineering, 2016, 98, 211-220.	6.3	17
17	Medium-voltage pulse width modulated current source rectifiers using different semiconductors: loss and size comparison. IET Power Electronics, 2010, 3, 243.	2.1	16
18	Hybrid metaheuristic techniques for optimising sugarcane rail operations. International Journal of Production Research, 2015, 53, 2569-2589.	7.5	15

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19	A new constraint programming approach for optimising a coal rail system. Optimization Letters, 2017, 11, 725-738.	1.6	15
20	Decoupled Control of Rotor Torque and Rotor Electric Power Delivered in a Salient-Pole, Synchronous Machine. IEEE Transactions on Energy Conversion, 2005, 20, 45-52.	5.2	10
21	Open-circuit fault detection of five-phase voltage source inverters. , 2015, , .		10
22	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
23	A new power locus for the p-q operation of series connected 12-pulse current source controlled converters. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	8
24	Control of five-phase induction motor under open-circuit phase fault fed by fault tolerant VSI. , 2015, , .		8
25	Fully controlled 5-phase, 10-pulse, line commutated rectifier. AEJ - Alexandria Engineering Journal, 2015, 54, 1091-1104.	6.4	8
26	Effects of unbalanced voltage on the steady-state performance of a five-phase induction motor with three different stator winding connections. , 2014, , .		7
27	Five phase induction motor: Phase transposition effect with different stator winding connections. , 2016, , .		7
28	Writing a laboratory report for senior electrical engineering courses: Guidelines and recommendations. , 2017, , .		7
29	DC- DC Boost Converter Controller Design for PV Applications. , 2017, , .		7
30	Fault Signature Production for Rolling Element Bearings in Induction Motor. , 2007, , .		6
31	Five-phase uncontrolled line commutated rectifier: AC side compensation using shunt active power filter. , 2015, , .		6
32	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
33	Improving engineering studentsâ€™ writing/presentation skills using laboratory/mini-project report. International Journal of Electrical Engineering and Education, 2019, , 002072091983305.	0.8	4
34	Rectifier Faults In Variable Voltage Variable Frequency Induction Motor Drives. , 2007, , .		3
35	Generalized theory of mixed pole machines with a general rotor configuration. AEJ - Alexandria Engineering Journal, 2013, 52, 19-33.	6.4	3
36	Stator Inter-turn Faults Detection and Localization Using Stator Currents and Concordia Patterns - Neural Network Applications. , 2007, , .		2

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37	Inverter Faults In Variable Voltage Variable Frequency Induction Motor Drive. , 2007, , .		2
38	Performance evaluation of mixed pole machines with electromechanical torque and rotor electric power. , 2008, , .		2
39	Five-phase PWM current source rectifier. , 2013, , .		2
40	Performance analysis of medium voltage series connected 12-pulse current source controlled rectifier using static VAR compensator. , 2008, , .		1
41	Losses calculation for medium voltage PWM current source rectifiers using different semiconductor devices. , 2008, , .		1
42	Control of rotor torque and rotor electric power in a reluctance wound Rotor Brushless doubly fed machine. , 2009, , .		1
43	Real-time gating signal generation and performance analysis for fully controlled five-phase, ten-pulse, line-commutated rectifier. IET Power Electronics, 2018, 11, 744-754.	2.1	1
44	Performance evaluation for mixed pole machines with electromechanical torque and rotor electric power and stability analysis. , 2008, , .		0
45	Compensated 12-pulse CSR using shunt APF with power locus VAR Offset. , 2013, , .		0
46	Medium voltage 6-pulse CSR with a novel shunt active power filter connection. , 2013, , .		0
47	A Final Year Project Based-Design of Ammonia Production Plant-Part II. , 2018, , .		0
48	Five-Phase Line Commutated Rectifiers. , 0, , .		0