

Mahmoud Masoud

List of Publications by Year in descending order

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48
papers

795
citations

567281

15
h-index

580821

25
g-index

48
all docs

48
docs citations

48
times ranked

631
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving engineering students' writing/presentation skills using laboratory/mini-project report. International Journal of Electrical Engineering and Education, 2019, , 002072091983305.	0.8	4
2	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
3	Job shop scheduling with a combination of four buffering constraints. International Journal of Production Research, 2018, 56, 3274-3293.	7.5	29
4	A Final Year Project Based-Design of Ammonia Production Plant-Part II. , 2018, , .		0
5	A new constraint programming approach for optimising a coal rail system. Optimization Letters, 2017, 11, 725-738.	1.6	15
6	Writing a laboratory report for senior electrical engineering courses: Guidelines and recommendations. , 2017, , .		7
7	DC- DC Boost Converter Controller Design for PV Applications. , 2017, , .		7
8	An integrated approach to optimise sugarcane rail operations. Computers and Industrial Engineering, 2016, 98, 211-220.	6.3	17
9	Five phase induction motor: Phase transposition effect with different stator winding connections. , 2016, , .		7
10	Control of five-phase induction motor under open-circuit phase fault fed by fault tolerant VSI. , 2015, , .		8
11	Fully controlled 5-phase, 10-pulse, line commutated rectifier. AEJ - Alexandria Engineering Journal, 2015, 54, 1091-1104.	6.4	8
12	Street lighting using solar powered LED light technology: Sultan Qaboos University Case Study. , 2015, , .		18
13	Open-circuit fault detection of five-phase voltage source inverters. , 2015, , .		10
14	Hybrid metaheuristic techniques for optimising sugarcane rail operations. International Journal of Production Research, 2015, 53, 2569-2589.	7.5	15
15	Five-phase uncontrolled line commutated rectifier: AC side compensation using shunt active power filter. , 2015, , .		6
16	Effects of unbalanced voltage on the steady-state performance of a five-phase induction motor with three different stator winding connections. , 2014, , .		7
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Five-phase PWM current source rectifier. , 2013, , .		2
21	Generalized theory of mixed pole machines with a general rotor configuration. AEJ - Alexandria Engineering Journal, 2013, 52, 19-33.	6.4	3
22	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
23	Compensated 12-pulse CSR using shunt APF with power locus VAR Offset. , 2013, , .		0
24	Medium voltage 6-pulse CSR with a novel shunt active power filter connection. , 2013, , .		0
25	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
26	Improved Flux Pattern With Third Harmonic Injection for Multiphase Induction Machines. IEEE Transactions on Power Electronics, 2012, 27, 1563-1578.	7.9	102
27	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
28	Modified Indirect Vector Control Technique for Current-Source Induction Motor Drive. IEEE Transactions on Industry Applications, 2012, 48, 2433-2442.	4.9	25
29	Vector controlled multiphase induction machine: Harmonic injection using optimized constant gains. Electric Power Systems Research, 2012, 89, 116-128.	3.6	24
30	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
31	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
32	A job-shop scheduling approach for optimising sugarcane rail operations. Flexible Services and Manufacturing Journal, 2011, 23, 181-206.	3.4	18
33	Eleven-phase induction machine: steady-state analysis and performance evaluation with harmonic injection. IET Electric Power Applications, 2010, 4, 670.	1.8	59
34	Medium-voltage pulse width modulated current source rectifiers using different semiconductors: loss and size comparison. IET Power Electronics, 2010, 3, 243.	2.1	16
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Control of rotor torque and rotor electric power in a reluctance wound Rotor Brushless doubly fed machine. , 2009, , .		1
38	Performance analysis of medium voltage series connected 12-pulse current source controlled rectifier using static VAR compensator. , 2008, , .		1
39	Losses calculation for medium voltage PWM current source rectifiers using different semiconductor devices. , 2008, , .		1
40	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
41	Performance evaluation of mixed pole machines with electromechanical torque and rotor electric power. , 2008, , .		2
42	Performance evaluation for mixed pole machines with electromechanical torque and rotor electric power and stability analysis. , 2008, , .		0
43	Rectifier Faults In Variable Voltage Variable Frequency Induction Motor Drives. , 2007, , .		3
44	Stator Inter-turn Faults Detection and Localization Using Stator Currents and Concordia Patterns - Neural Network Applications. , 2007, , .		2
45	Fault Signature Production for Rolling Element Bearings in Induction Motor. , 2007, , .		6
46	Inverter Faults In Variable Voltage Variable Frequency Induction Motor Drive. , 2007, , .		2
47	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
48	Five-Phase Line Commutated Rectifiers. , 0, , .		0