

Mohamed Azeem Khan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Design, Challenges, and Trends of Inductive Power Transfer Couplers for Electric Vehicles: A Review. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6196-6218.	5.4	68
2	Detection of Static Eccentricities in Axial-Flux Permanent-Magnet Machines With Concentrated Windings Using Vibration Analysis. IEEE Transactions on Industry Applications, 2015, 51, 4425-4434.	4.9	28
3	Influence of Rotor Topologies and Cogging Torque Minimization Techniques in the Detection of Static Eccentricities in Axial-Flux Permanent-Magnet Machine. IEEE Transactions on Industry Applications, 2017, 53, 161-170.	4.9	27
4	Design and Analysis of an Electromechanical Battery for Rural Electrification in Sub-Saharan Africa. IEEE Transactions on Energy Conversion, 2011, 26, 1198-1209.	5.2	22
5	An Algorithm for Nonintrusive In Situ Efficiency Estimation of Induction Machines Operating With Unbalanced Supply Conditions. IEEE Transactions on Industry Applications, 2012, 48, 1890-1900.	4.9	20
6	Development of an HT PEM Fuel Cell Emulator Using a Multiphase Interleaved DC-DC Converter Topology. IEEE Transactions on Power Electronics, 2013, 28, 1120-1131.	7.9	20
7	Fault diagnosis and condition monitoring of axial-flux permanent magnet wind generators. Electric Power Systems Research, 2016, 136, 1-7.	3.6	20
8	Analysis of Non-Intrusive Rotor Speed Estimation Techniques for Inverter-Fed Induction Motors. IEEE Transactions on Energy Conversion, 2021, 36, 338-347.	5.2	16
9	Analysis of a Nonintrusive Efficiency Estimation Technique for Induction Machines Compared to the IEEE 112B and IEC 34-2-1 Standards. IEEE Transactions on Industry Applications, 2015, 51, 4541-4553.	4.9	14
10	Development of a 5-kW Scaled Prototype of a 2.5 MW Doubly-Fed Induction Generator. IEEE Transactions on Industry Applications, 2016, 52, 4688-4698.	4.9	12
11	Dead Time Effect on the Double-Loop Control Strategy for a Boost Inverter. IEEE Transactions on Industry Applications, 2017, 53, 319-326.	4.9	12
12	Urban Wind Resource Assessment: A Case Study on Cape Town. Energies, 2019, 12, 1479.	3.1	12
13	A Simplified Equivalent Circuit Method for Induction Machine Nonintrusive Field Efficiency Estimation. IEEE Transactions on Industrial Electronics, 2020, 67, 7301-7311.	7.9	11
14	Doubly Fed Induction Generator Open Stator Synchronized Control during Unbalanced Grid Voltage Condition. Energies, 2020, 13, 3155.	3.1	10
15	Analysis of the Relationship between the Parameters of IPT Transformer and Power Electronic System. , 2018, , .		6
16	Development of a Test Rig to Automate Efficiency Testing of Converter-Fed Induction Motors. IEEE Transactions on Industry Applications, 2019, 55, 5916-5924.	4.9	6
17	Autonomous detection of interturn stator faults in induction motors. , 2013, , .		4
18	The detection of interturn short circuit faults in axial-flux permanent magnet machine with concentrated windings. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
19	Converter-fed Induction Motor Efficiency Measurement under Variable Frequency/Load Points: An Extension of the IEC/TS 60034-2-3. , 2019, , .		3
20	A Simplified Efficiency Estimation Approach for Converter-Fed Induction Motors. , 2020, , .		3
21	Development of a 5kW scaled prototype of a 2.5 MW Doubly-fed induction generator. , 2015, , .		2
22	Influence of rotor topologies and cogging torque minimization techniques on axial-flux permanent magnet machine under static eccentricities. , 2015, , .		2
23	Automated Efficiency Testing of Converter - Fed Induction Motors. , 2018, , .		2
24	Real-Time Implementation and Comparative Analysis of \hat{i}^2 and gh Reference Framed SVPWM Techniques for a Three-Level NPC Induction Motor Drive. , 2018, , .		2
25	Optimal current calculation for a PMSG based wind energy system integrated into an unbalanced weak grid. IET Electric Power Applications, 2020, 14, 523-532.	1.8	2
26	Fault Tolerance for Phase Open-circuit and Power Electronic Switch Disconnection in PMBDC Motor by Adding Extra Parts to Inverter. , 2006, , .		1
27	Modeling and emulation of fuel cell flooding behavior. , 2012, , .		1
28	Analysis of a three phase five-level dual tapped inductor quasi impedance source-nested neutral point clamped converter. , 2017, , .		1
29	A Study on the role of Oil-Air Mist Lubrication on an Ultrahigh-Speed Bio-Generator. Procedia Manufacturing, 2019, 33, 107-114.	1.9	1
30	Fault Tolerance for Phase Open-circuit and Power Electronic Switch Disconnection in PMBDC Motor by Adding Extra Parts to Inverter. , 2006, , .		1
31	Analysis of an electromechanical battery for rural electrification in sub-Saharan Africa. , 2010, , .		0
32	Emulation of high temperature PEM fuel cell electrical dynamics and operational phenomena. , 2012, , .		0
33	Cost effective MICRO-CHP sizing. , 2012, , .		0
34	Reclosing transients in standard and premium efficiency induction machines in the presence of voltage unbalance. , 2016, , .		0
35	Steady state impedance estimation of a weak grid to assist optimal current injection for minimal power losses. , 2016, , .		0
36	Techno-economic evaluation of five-level nested neutral point clamped converter topology for transformer-less connection of high-power wind energy conversion systems. Journal of Energy in Southern Africa, 2019, 30, 33-43.	0.8	0

#	ARTICLE	IF	CITATIONS
37	Comparative Analysis of Outer-Rotor Flux-Modulated Permanent Magnet Generator Topologies. , 2020, , ·		0