

Ahmed Hemeida

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

326
citations

1040056

9
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

271
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Hybrid Analytical Model of Active Magnetic Bearing Considering Rotor Eccentricity and Local Saturation Effect. IEEE Transactions on Industrial Electronics, 2022, 69, 7151-7160.	7.9	7
2	Real Time Simulation of Brushless Doubly Fed Reluctance Generator Driven Wind Turbine Considering Iron Saturation. IEEE Access, 2022, 10, 9925-9934.	4.2	2
3	Determination of Core Losses Using an Inverse Modeling Technique. IEEE Access, 2022, 10, 29224-29232.	4.2	1
4	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
5	Nine-Phase-based Fractional-Slot Winding Layouts for Integrated EV On-board Battery Chargers. , 2021, , ,		0
6	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
7	Parameter Estimation of Inter-Laminar Fault-Region in Laminated Sheets Through Inverse Approach. Energies, 2020, 13, 3251.	3.1	0
8	A Simple and Efficient Quasi-3D Magnetic Equivalent Circuit for Surface Axial Flux Permanent Magnet Synchronous Machines. IEEE Transactions on Industrial Electronics, 2019, 66, 8318-8333.	7.9	49
9	A 3D Dynamic Lumped Parameter Thermal Network of Air-Cooled YASA Axial Flux Permanent Magnet Synchronous Machine. Energies, 2018, 11, 774.	3.1	15
10	Analytical modeling of axial flux PM machines with eccentricities. International Journal of Applied Electromagnetics and Mechanics, 2017, 53, 757-777.	0.6	5
11	Analytical Model for Combined Study of Magnet Demagnetization and Eccentricity Defects in Axial Flux Permanent Magnet Synchronous Machines. IEEE Transactions on Magnetics, 2017, 53, 1-12.	2.1	35
12	Applicability of Fractional Slot Axial Flux Permanent Magnet Synchronous Machines in the Field Weakening Region. IEEE Transactions on Energy Conversion, 2017, 32, 111-121.	5.2	27
13	Comparison of Three Analytical Methods for the Precise Calculation of Cogging Torque and Torque Ripple in Axial Flux PM Machines. Mathematical Problems in Engineering, 2016, 2016, 1-14.	1.1	16
14	Analytical Modeling of Static Eccentricities in Axial Flux Permanent-Magnet Machines with Concentrated Windings. Energies, 2016, 9, 892.	3.1	22
15	Coupled Electromagnetic and Thermal Analysis of an Axial Flux PM Machine. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	25
16	Comparison of Methods for Permanent Magnet Eddy-Current Loss Computations With and Without Reaction Field Considerations in Axial Flux PMSM. IEEE Transactions on Magnetics, 2015, 51, 1-11.	2.1	33
17	Analytical Modeling of Surface PMSM Using a Combined Solution of Maxwell's Equations and Magnetic Equivalent Circuit. IEEE Transactions on Magnetics, 2014, 50, 1-13.	2.1	75