

# Ahmed Hemeida

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Coupled Electromagnetic and Thermal Analysis of an Axial Flux PM Machine. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	25
7	Analytical Modeling of Static Eccentricities in Axial Flux Permanent-Magnet Machines with Concentrated Windings. Energies, 2016, 9, 892.	3.1	22
8	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
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	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
11	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
12	Analytical modeling of axial flux PM machines with eccentricities. International Journal of Applied Electromagnetics and Mechanics, 2017, 53, 757-777.	0.6	5
13	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
14	Real Time Simulation of Brushless Doubly Fed Reluctance Generator Driven Wind Turbine Considering Iron Saturation. IEEE Access, 2022, 10, 9925-9934.	4.2	2
15	Determination of Core Losses Using an Inverse Modeling Technique. IEEE Access, 2022, 10, 29224-29232.	4.2	1
16	Parameter Estimation of Inter-Laminar Fault-Region in Laminated Sheets Through Inverse Approach. Energies, 2020, 13, 3251.	3.1	0
17	Nine-Phase-based Fractional-Slot Winding Layouts for Integrated EV On-board Battery Chargers. , 2021, , ,		0