

Seyyed Mehdi Mirimani

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of Inclined Static Eccentricity Fault in Single Stator-Single Rotor Axial Flux Permanent Magnet Machines. IEEE Transactions on Magnetics, 2012, 48, 143-149.	1.2	72
2	An Online Method for Static Eccentricity Fault Detection in Axial Flux Machines. IEEE Transactions on Industrial Electronics, 2015, 62, 1931-1942.	5.2	59
3	Static Eccentricity Fault Detection in Single-Stator Single-Rotor Axial-Flux Permanent-Magnet Machines. IEEE Transactions on Industry Applications, 2012, 48, 1838-1845.	3.3	53
4	Electromagnetic Design and Modeling of a Two-Phase Axial-Flux Printed Circuit Board Motor. IEEE Transactions on Industrial Electronics, 2018, 65, 67-76.	5.2	31
5	An Analytical Approach to Eccentricity in Axial Flux Permanent Magnet Synchronous Generators for Wind Turbines. Electric Power Components and Systems, 2015, 43, 1039-1050.	1.0	25
6	Calculation of AC Magnetizing Loss of ReBCO Superconducting Tapes Subjected to Applied Distorted Magnetic Fields. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3875-3888.	0.8	19
7	Design of a Novel PM-Assisted Synchronous Reluctance Motor Topology Using V-Shape Permanent Magnets for Improvement of Torque Characteristic. IEEE Transactions on Energy Conversion, 2022, 37, 424-432.	3.7	19
8	Investigation on Effect of Magnetic Field Dependency Coefficient of Critical Current Density on the AC Magnetizing Loss in HTS Tapes Exposed to External Field. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3899-3910.	0.8	17
9	Influence of field-dependent critical current on harmonic AC loss analysis in HTS coils for superconducting transformers supplying non-linear loads. Cryogenics, 2021, 113, 103234.	0.9	15
10	Effects of non-sinusoidal current on current division, ampacity and magnetic field of parallel power cables. IET Science, Measurement and Technology, 2017, 11, 553-562.	0.9	10
11	Optimal design and verification of interior permanent magnet synchronous generator based on FEA and Taguchi method. International Transactions on Electrical Energy Systems, 2020, 30, e12597.	1.2	8
12	Design and Analysis of a Novel Permanent Magnet Assisted Synchronous Reluctance Machine Using Finite-Element-Method. , 2020, , .		8
13	Optimization of efficiency and output power of 8/6 switched reluctance motor using new neural network-based adjoint metric method. IET Electric Power Applications, 2021, 15, 769-783.	1.1	8
14	Effects of static eccentricity in axial flux permanent magnet machines. , 2010, , .		7
15	Effect of static eccentricity in back-EMF of Axial Flux Permanent Magnet Machines. , 2012, , .		6
16	Experimental investigation for power loss measurement of superconducting coils under harmonic supply current. Measurement: Journal of the International Measurement Confederation, 2019, 132, 324-329.	2.5	6
17	A novel structure of passive magnetic bearing with axial magnetization. , 2014, , .		4
18	Design of a new structure passive magnetic bearing with radial magnetization using FEM. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Electromagnetic sizing of axial-field flux switching permanent magnet machine. , 2016, , .		3
20	Static eccentricity fault detection in Flux Switching Permanent Magnet machines. , 2016, , .		3
21	Losses distribution in sheathed power cables under non-sinusoidal currents using numerical method. Computer Applications in Engineering Education, 2016, 24, 692-705.	2.2	3
22	Arrangement Optimization of Power Cables in Harmonic Currents to Achieve the Maximum Ampacity Using ICA. Electric Power Components and Systems, 2018, 46, 1820-1833.	1.0	3
23	Effects of dynamic eccentricity in Flux Switching Permanent Magnet machines. , 2016, , .		2
24	An online eccentricity fault detection method for Axial Flux machines. , 2014, , .		1
25	Investigation of the effect of eccentricity in Flux Switching Permanent Magnet machines. , 2016, , .		1
26	Calculation of losses and ampacity derating in medium-voltage cables under harmonic load currents using finite element method. International Transactions on Electrical Energy Systems, 2017, 27, e2267.	1.2	1
27	Axial Flux Machine Using Passive Magnetic Bearing with Axial Magnetization. , 2018, , .		0