

# Seyyed Mehdi Mirimani

## List of Publications by Year in descending order

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27  
papers

387  
citations

933264

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h-index

940416

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g-index

27  
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docs citations

27  
times ranked

333  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Optimization of efficiency and output power of 8/6 switched reluctance motor using new neural network-based adjoint $\langle i \rangle_L$ $\langle \sub \langle i \rangle_p \langle /i \rangle \langle /sub \rangle$ metric method. IET Electric Power Applications, 2021, 15, 769-783.	1.1	8
4	Optimal design and verification of interior permanent magnet synchronous generator based on $\langle scp \rangle_{FEA}$ and Taguchi method. International Transactions on Electrical Energy Systems, 2020, 30, e12597.	1.2	8
5	Design and Analysis of a Novel Permanent Magnet Assisted Synchronous Reluctance Machine Using Finite-Element-Method. , 2020, , .		8
6	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
7	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
8	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
9	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
10	Axial Flux Machine Using Passive Magnetic Bearing with Axial Magnetization. , 2018, , .		0
11	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
12	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
13	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
14	Electromagnetic sizing of axial-field flux switching permanent magnet machine. , 2016, , .		3
15	Investigation of the effect of eccentricity in Flux Switching Permanent Magnet machines. , 2016, , .		1
16	Effects of dynamic eccentricity in Flux Switching Permanent Magnet machines. , 2016, , .		2
17	Static eccentricity fault detection in Flux Switching Permanent Magnet machines. , 2016, , .		3
18	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

#	ARTICLE	IF	CITATIONS
19	An Analytical Approach to Eccentricity in Axial Flux Permanent Magnet Synchronous Generators for Wind Turbines. <i>Electric Power Components and Systems</i> , 2015, 43, 1039-1050.	1.0	25
20	An Online Method for Static Eccentricity Fault Detection in Axial Flux Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 1931-1942.	5.2	59
21	Design of a new structure passive magnetic bearing with radial magnetization using FEM. , 2014, , .		3
22	An online eccentricity fault detection method for Axial Flux machines. , 2014, , .		1
23	A novel structure of passive magnetic bearing with axial magnetization. , 2014, , .		4
24	Static Eccentricity Fault Detection in Single-Stator Single-Rotor Axial-Flux Permanent-Magnet Machines. <i>IEEE Transactions on Industry Applications</i> , 2012, 48, 1838-1845.	3.3	53
25	Effect of static eccentricity in back-EMF of Axial Flux Permanent Magnet Machines. , 2012, , .		6
26	Effect of Inclined Static Eccentricity Fault in Single Stator-Single Rotor Axial Flux Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 143-149.	1.2	72
27	Effects of static eccentricity in axial flux permanent magnet machines. , 2010, , .		7