Mohammad Sedigh Toulabi

List of Publications by Year
in descending order

19 papers	204 citations	1307594 7 h-index	1125743 13 g-index
19 all docs	19 docs citations	19 times ranked	211 citing authors

#	Article	IF	Citations
1	A Universal High-Frequency Induction Machine Model and Characterization Method for Arbitrary Stator Winding Connections. IEEE Transactions on Energy Conversion, 2019, 34, 1164-1177.	5.2	36
2	Design, Control, and Experimental Test of an Open-Winding IPM Synchronous Motor. IEEE Transactions on Industrial Electronics, 2017, 64, 2760-2769.	7.9	26
3	Wide speed range operation of PMSM using an open winding and a dual inverter drive with a floating bridge. , 2013, , .		25
4	Multimodal Design Optimization of V-Shaped Magnet IPM Synchronous Machines. IEEE Transactions on Energy Conversion, 2018, 33, 1547-1556.	5.2	23
5	Concentrated Winding IPM Synchronous Motor Design for Wide Field Weakening Applications. IEEE Transactions on Industry Applications, 2017, 53, 1892-1900.	4.9	21
6	Modeling of a Modular Multilevel Converter With Embedded Energy Storage for Electromagnetic Transient Simulations. IEEE Transactions on Energy Conversion, 2019, 34, 2096-2105.	5.2	18
7	Extended Kalman Filter Based Inductance Estimation for Dual Three-Phase Permanent Magnet Synchronous Motors Under the Single Open-Phase Fault. IEEE Transactions on Energy Conversion, 2022, 37, 1134-1144.	5.2	11
8	Equivalent Magnetic Network Modeling of Dual-Winding Outer-Rotor Vernier Permanent Magnet Machine Considering Pentagonal Meshing in the Air-Gap. IEEE Transactions on Industrial Electronics, 2022, 69, 12587-12599.	7.9	11
9	Performance Analysis and Operating Limits of a Dual-Inverter Open-Winding IPMSM Drive. IEEE Transactions on Energy Conversion, 2019, 34, 1655-1666.	5.2	7
10	Fourier-Based Modeling of an Induction Machine Considering the Finite Permeability and Nonlinear Magnetic Properties. IEEE Transactions on Energy Conversion, 2021, 36, 3427-3437.	5.2	6
11	Two-level current reference method for speed control of switched reluctance motors. EPE Journal (European Power Electronics and Drives Journal), 2020, 30, 13-23.	0.7	4
12	Design Optimization and Performance Prediction of Synchronous Reluctance Motors. , 2018, , .		3
13	Design and Performance Prediction of a Novel Linear Switched Reluctance Motor. Electric Power Components and Systems, 2021, 49, 171-183.	1.8	3
14	Noise and Vibration Prediction of a Six-Phase IPMSM in a Single Open-Phase Failure Under a Negative Sequence Current Compensated Fault Tolerant Control Mode. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	3
15	A Comparative Study of Optimally Designed Synchronous Reluctance Machines. , 2018, , .		2
16	Analysis and Control Considerations of an Open Winding IPMSM Drive in MTPA and FW Regions. , 2018, , .		2
17	A comparative study of optimally designed V-shaped magnet IPM synchronous motors. , 2017, , .		1
18	Performance Prediction of a Dual Inverter Open Winding IPMSM Drive Considering Machine's Saturation and Losses. , 2018, , .		1

#	Article	IF	Citations
19	Coupled Magnetic Circuit-Based Design of an IPMSM for Reduction of Circulating Currents in Asymmetrical Star–Delta Windings. IEEE Transactions on Transportation Electrification, 2022, 8, 2971-2984.	7.8	1