

Minos E Beniakar

List of Publications by Year in descending order

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451
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast Adaptive Evolutionary PM Traction Motor Optimization Based on Electric Vehicle Drive Cycle. IEEE Transactions on Vehicular Technology, 2017, 66, 5762-5774.	6.3	75
2	Induction Motors Versus Permanent-Magnet Actuators for Aerospace Applications. IEEE Transactions on Industrial Electronics, 2014, 61, 4315-4325.	7.9	62
3	Multicriteria PM Motor Design Based on ANFIS Evaluation of EV Driving Cycle Efficiency. IEEE Transactions on Transportation Electrification, 2018, 4, 525-535.	7.8	50
4	Geometry Optimization of PMSMs Comparing Full and Fractional Pitch Winding Configurations for Aerospace Actuation Applications. IEEE Transactions on Magnetics, 2012, 48, 943-946.	2.1	46
5	Multiobjective Evolutionary Optimization of a Surface Mounted PM Actuator With Fractional Slot Winding for Aerospace Applications. IEEE Transactions on Magnetics, 2014, 50, 665-668.	2.1	40
6	Fault Tolerant Design of Fractional Slot Winding Permanent Magnet Aerospace Actuator. IEEE Transactions on Transportation Electrification, 2016, 2, 380-390.	7.8	39
7	Robust Optimization of High-Speed PM Motor Design. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	24
8	Strength Pareto Evolutionary Optimization of an In-Wheel PM Motor With Unequal Teeth for Electric Traction. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	23
9	Velocity and Torque Limit Profile Optimization of Electric Vehicle Including Limited Overload. IEEE Transactions on Industry Applications, 2017, 53, 3907-3916.	4.9	18
10	Dynamic Finite Element Hysteresis Model for Iron Loss Calculation in Non-Oriented Grain Iron Laminations Under PWM Excitation. IEEE Transactions on Magnetics, 2011, 47, 1130-1133.	2.1	15
11	Experimental Validation of 3-D Magnet Eddy Current Loss Prediction in Surface-Mounted Permanent Magnet Machines. IEEE Transactions on Industry Applications, 2017, 53, 4380-4388.	4.9	13
12	Model predictive control for permanent magnet synchronous motor drives considering cross-saturation effects. , 2017, , .		9
13	Investigation of the Impact of the Operational Temperature on the Performance of a Surface Permanent Magnet Motor. Materials Science Forum, 0, 670, 259-264.	0.3	6
14	Evolutionary optimization of Permanent Magnet machine design for traction applications. , 2010, , .		5
15	Investigation of Magnet Arrangements in Double Layer Interior Synchronous Permanent Magnet Motor over Wide-Speed Range for Electric Vehicle Applications. Materials Science Forum, 0, 792, 379-384.	0.3	3
16	Nonlinear induction motor control accounting for inductance saturation. , 2008, , .		2
17	Computationally efficient permanent magnet traction motor loss assessment. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2018, 37, 2093-2108.	0.9	2
18	Hybrid analytical-FEM methodology for loss evaluation in traction motors for electric vehicle applications. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Induction Motor Design for Ad Hoc Actuation Systems. Materials Science Forum, 0, 792, 362-366.	0.3	1
20	Parameter Extraction of a PM Machine Employing 3D Finite Element Analysis Tools for Model Predictive Control Schemes. Materials Science Forum, 0, 792, 355-361.	0.3	1
21	Design Considerations for an In-Wheel PM Motor with Fractional Slot Concentrated Windings for Light Electric Vehicle Applications. Materials Science Forum, 0, 792, 343-348.	0.3	1
22	Model Predictive Control Employing Finite-Element Methods for Aerospace Actuators. Materials Science Forum, 0, 856, 202-206.	0.3	1
23	Comparison of Three Different In-Wheel SMPM Motor Configurations Based on the Urban NEDC. Materials Science Forum, 0, 856, 233-238.	0.3	1
24	Robust optimization of high speed PM motor design. , 2016, , .		1
25	Three-dimensional modeling of the tunneling potential in MOS memories embedded with metal nanoparticles. Microelectronic Engineering, 2009, 86, 1856-1858.	2.4	0
26	Dynamic finite element hysteresis model for iron loss calculation under PWM excitation. , 2010, , .		0
27	A Simple and Efficient Parametric Design Approach for Marine Electrical Machines. Materials Science Forum, 2014, 792, 367-372.	0.3	0
28	Evolutionary Optimization of a Fractional Slot Interior Permanent Magnet Motor for a Small Electric Bus. Materials Science Forum, 0, 792, 373-378.	0.3	0
29	Effects of control oxide material on the charging times of metal nanoparticles inside non-volatile memories: A 3-dimensional WKB calculation. Microelectronic Engineering, 2016, 159, 139-142.	2.4	0