Peixin Liang

List of Publications by Year
in descending order

15 papers	340 citations	840776 11 h-index	1199594 12 g-index
15 all docs	15 docs citations	15 times ranked	315 citing authors

#	Article	IF	Citations
1	Analytical Computation of Inductance for High-Speed Spoke-Type Permanent Magnet Synchronous Motor Accounting for Saturation. , 2022, , .		1
2	Online Fault Diagnosis for Rotating Rectifier in Wound-Rotor Synchronous Starter–Generator Based on Geometric Features of Current Trajectory. IEEE Transactions on Industrial Electronics, 2021, 68, 2952-2963.	7.9	16
3	Water Jacket and Slot Optimization of a Water-Cooling Permanent Magnet Synchronous In-Wheel Motor. IEEE Transactions on Industry Applications, 2021, 57, 2431-2439.	4.9	26
4	A Measurement-Based Wide-Frequency Model for Aircraft Wound-Rotor Synchronous Machine. IEEE Transactions on Magnetics, 2019, 55, 1-8.	2.1	7
5	Calculation of the Iron losses in a Spoke-Type Permanent Magnet Synchronous In-Wheel Motor for Electric Vehicles by Utilizing the Bertotti Model. IEEE Transactions on Magnetics, 2019, 55, 1-7.	2.1	11
6	Thermal design and optimization of a water-cooling permanent magnet synchronous in-wheel motor. , 2019, , .		9
7	Analytical Model of a Spoke-Type Permanent Magnet Synchronous In-Wheel Motor With Trapezoid Magnet Accounting for Tooth Saturation. IEEE Transactions on Industrial Electronics, 2019, 66, 1162-1171.	7.9	63
8	Analytical Prediction of No-Load Stator Iron Losses in Spoke-Type Permanent-Magnet Synchronous Machines. IEEE Transactions on Energy Conversion, 2018, 33, 252-259.	5.2	21
9	Analytical Prediction of Magnetic Field Distribution in Spoke-Type Permanent-Magnet Synchronous Machines Accounting for Bridge Saturation and Magnet Shape. IEEE Transactions on Industrial Electronics, 2017, 64, 3479-3488.	7.9	56
10	Analytical model and design of spoke-type permanent-magnet machines accounting for saturation and nonlinearity of magnetic bridges. Journal of Magnetism and Magnetic Materials, 2016, 417, 389-396.	2.3	30
11	An Improved Method for Armature-Reaction Magnetic Field Calculation of Interior Permanent Magnet Motors. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	17
12	Magnet Shape Optimization of Surface-Mounted Permanent-Magnet Motors to Reduce Harmonic Iron Losses. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	41
13	Equivalent stator slot model of temperature field for high torque-density permanent magnet synchronous in-wheel motors accounting for winding type. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2016, 35, 713-727.	0.9	14
14	Analytical Method for Iron Losses Reduction in Interior Permanent Magnet Synchronous Motor. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	23
15	Equivalent stator slot model of temperature field for high torque-density permanent magnet synchronous in-wheel motor. , 2014, , .		5