

Peixin Liang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Analytical Method for Iron Losses Reduction in Interior Permanent Magnet Synchronous Motor. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	23
7	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
8	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
9	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
10	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
11	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
12	Thermal design and optimization of a water-cooling permanent magnet synchronous in-wheel motor. , 2019, , .		9
13	A Measurement-Based Wide-Frequency Model for Aircraft Wound-Rotor Synchronous Machine. IEEE Transactions on Magnetics, 2019, 55, 1-8.	2.1	7
14	Equivalent stator slot model of temperature field for high torque-density permanent magnet synchronous in-wheel motor. , 2014, , .		5
15	Analytical Computation of Inductance for High-Speed Spoke-Type Permanent Magnet Synchronous Motor Accounting for Saturation. , 2022, , .		1