

Zhou Shi

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,101
citations

840776

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1199594

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15
docs citations

15
times ranked

742
citing authors

#	ARTICLE	IF	CITATIONS
1	Internal Model Control for a Bearingless Permanent Magnet Synchronous Motor Based on Inverse System Method. IEEE Transactions on Energy Conversion, 2016, 31, 1539-1548.	5.2	187
2	Multi-Objective Design Optimization of an IPMSM Based on Multilevel Strategy. IEEE Transactions on Industrial Electronics, 2021, 68, 139-148.	7.9	167
3	Analysis and Design Optimization of a Permanent Magnet Synchronous Motor for a Campus Patrol Electric Vehicle. IEEE Transactions on Vehicular Technology, 2019, 68, 10535-10544.	6.3	150
4	Precise control of a four degree-of-freedom permanent magnet biased active magnetic bearing system in a magnetically suspended direct-driven spindle using neural network inverse scheme. Mechanical Systems and Signal Processing, 2017, 88, 36-48.	8.0	119
5	Driving-Cycle-Oriented Design Optimization of a Permanent Magnet Hub Motor Drive System for a Four-Wheel-Drive Electric Vehicle. IEEE Transactions on Transportation Electrification, 2020, 6, 1115-1125.	7.8	116
6	Robust Design Optimization of a Five-Phase PM Hub Motor for Fault-Tolerant Operation Based on Taguchi Method. IEEE Transactions on Energy Conversion, 2020, 35, 2036-2044.	5.2	107
7	Torque Analysis and Dynamic Performance Improvement of a PMSM for EVs by Skew Angle Optimization. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	87
8	Multiobjective Design Optimization of an IPMSM for EVs Based on Fuzzy Method and Sequential Taguchi Method. IEEE Transactions on Industrial Electronics, 2021, 68, 10592-10600.	7.9	73
9	Analysis and Optimization of Radial Force of Permanent-Magnet Synchronous Hub Motors. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	33
10	Multiobjective Optimization of a Five-Phase Bearingless Permanent Magnet Motor Considering Winding Area. IEEE/ASME Transactions on Mechatronics, 2022, 27, 2657-2666.	5.8	31
11	Design optimisation of an outer-rotor permanent magnet synchronous hub motor for a low-speed campus patrol EV. IET Electric Power Applications, 2020, 14, 2111-2118.	1.8	23
12	Linearizing control of a permanent magnet linear synchronous motor with inverse system scheme plus an internal model controller. International Journal of Applied Electromagnetics and Mechanics, 2017, 55, 523-534.	0.6	5
13	Parameter matching and structure optimal design of a brushless DC motor for a battery electric vehicle. , 2017, , .		1
14	Skew Angle Optimization Analysis of a Permanent Magnet Synchronous Motor for EVs. , 2018, , .		1
15	Fault-Tolerant Model Predictive Current Control of Five-Phase Permanent Magnet Synchronous Hub Motor Considering Current Constraints. , 2020, , .		1