

Jae-Hyun Kim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Comparative Study of Vibration on 10-Pole 12-Slot and 14-Pole 12-Slot PMSM Considering Tooth Modulation Effect. IEEE Transactions on Industrial Electronics, 2023, 70, 4007-4017.	7.9	16
2	Estimation Method for Rotor Eddy Current Loss in Ultrahigh-Speed Surface-Mounted Permanent Magnet Synchronous Motor. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	12
3	Design of Ultra-High-Speed Motor for FCEV Air Compressor Considering Mechanical Properties of Rotor Materials. IEEE Transactions on Energy Conversion, 2021, 36, 2850-2860.	5.2	27
4	Diagnosis and Robust Design Optimization of SPMSM Considering Back EMF and Cogging Torque due to Static Eccentricity. Energies, 2021, 14, 2900.	3.1	5
5	Analysis of Effect of the Magnetization Distribution of Multi-Pole PM on SPMSM Performance Using Equivalent Magnetic Circuit Considering Dead Zone. Energies, 2021, 14, 3279.	3.1	0
6	Model Predictive Control for Torque Ripple Suppression Caused by Misalignment of the Gearbox. IEEE Transactions on Energy Conversion, 2021, 36, 1517-1527.	5.2	1
7	Temperature Prediction of Ultra-High-Speed SPMSM for FCEV Air Compressor Considering PWM Current Harmonics. , 2021, , .		1
8	Suppression of Torque Ripple Caused by Misalignment of the Gearbox by Using Harmonic Current Injection Method. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1990-1999.	5.8	13
9	Design of the High Efficiency IPMSM Considering the Operating Point with Different Characteristic. , 2019, , .		1