

Jae-Hyun Kim

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|---|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Diagnosis and Robust Design Optimization of SPMSM Considering Back EMF and Cogging Torque due to Static Eccentricity. Energies, 2021, 14, 2900. | 3.1 | 5 |
| 6 | Design of the High Efficiency IPMSM Considering the Operating Point with Different Characteristic. , 2019, , . | | 1 |
| 7 | 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 |
| 8 | Temperature Prediction of Ultra-High-Speed SPMSM for FCEV Air Compressor Considering PWM Current Harmonics. , 2021, , . | | 1 |
| 9 | 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 |