

Huimin Wang

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Analytical Calculation for Magnetic Field in Spoke-Type Permanent Magnet Machines Based on a Rotor Magnetic Potential Model. IEEE Transactions on Magnetics, 2022, 58, 1-5. | 2.1 | 4 |
| 2 | Sensorless Control Method for Dual Permanent Magnet Synchronous Motors Driven by Five-Leg Voltage Source Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 260-272. | 5.4 | 12 |
| 3 | Analysis and Design of Dual Three-Phase Fractional-Slot Permanent Magnet Motor With Low Space Harmonic. IEEE Transactions on Magnetics, 2022, 58, 1-12. | 2.1 | 19 |
| 4 | The Torque Ripple Reduction in PMAREL Machine Using Time-Space Harmonics Analysis of Air-Gap Flux Density. IEEE Transactions on Industrial Electronics, 2022, 69, 2390-2401. | 7.9 | 5 |
| 5 | Oil Injection Cooling Design for the IPMSM Applied in Electric Vehicles. IEEE Transactions on Transportation Electrification, 2022, 8, 3427-3440. | 7.8 | 13 |
| 6 | Optimization Design of Unequal Amplitude Modulated Poles for the Bearingless PMSM. Energies, 2022, 15, 3097. | 3.1 | 2 |
| 7 | Analytical modelling for magnetic field of interior permanent magnet synchronous motors accounting for bridge saturation. IET Electric Power Applications, 2022, 16, 844-855. | 1.8 | 2 |
| 8 | Design and Analysis of Modulated Magnetic Pole for Dual Three-Phase Surface-Mounted Permanent Magnet Synchronous Motor. Energies, 2022, 15, 4597. | 3.1 | 1 |
| 9 | Optimal design of hybrid consequent-pole permanent magnet motor to reduce torque ripple. International Journal of Applied Electromagnetics and Mechanics, 2022, , 1-26. | 0.6 | 0 |
| 10 | Accurate Analytical Method for Magnetic Field Calculation of Interior PM Motors. IEEE Transactions on Energy Conversion, 2021, 36, 325-337. | 5.2 | 22 |
| 11 | Finite controlâ€set model predictive direct speed control of a PMSM drive based on the Taylor series model. IET Electric Power Applications, 2021, 15, 1452-1465. | 1.8 | 2 |
| 12 | Voltage feedback based flux-weakening control of IPMSMs with fuzzy-PI controller. International Journal of Applied Electromagnetics and Mechanics, 2020, 62, 31-43. | 0.6 | 1 |
| 13 | Initial Rotor Position Detection for Permanent Magnet Synchronous Motor Based on High-Frequency Voltage Injection without Filter. World Electric Vehicle Journal, 2020, 11, 71. | 3.0 | 9 |
| 14 | Optimal Design of Permanent Magnet Structure to Reduce Unbalanced Magnetic Pull in Surface-Mounted Permanent-Magnet Motors. IEEE Access, 2020, 8, 77811-77819. | 4.2 | 11 |
| 15 | Maximum Torque Per Ampere (MTPA) Control of IPMSM Systems Based on Controller Parameters Self-Modification. IEEE Transactions on Vehicular Technology, 2020, 69, 2613-2620. | 6.3 | 20 |
| 16 | Deadbeat predictive current control of permanent magnet synchronous motor based on variable stepâ€size adaline neural network parameter identification. IET Electric Power Applications, 2020, 14, 2007-2015. | 1.8 | 12 |
| 17 | An Improved Electronic Line Shafting Control for Multimotor Drive System Based on Sliding Mode Observer. Mathematical Problems in Engineering, 2019, 2019, 1-13. | 1.1 | 4 |
| 18 | Inductance Calculation of Interior Permanent Magnet Machines Considering Asymmetrical Saturation of the Bridge. IEEE Transactions on Magnetics, 2019, 55, 1-11. | 2.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Sensorless-MTPA Control of Permanent Magnet Synchronous Motor Based on an Adaptive Sliding Mode Observer. <i>Energies</i> , 2019, 12, 3773. | 3.1 | 11 |
| 20 | An Improved Rotor Cooling Structure of IPMSM. , 2019, , . | | 1 |
| 21 | Optimal design of rotor geometry in interior permanent magnet machine. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2019, 60, 337-353. | 0.6 | 3 |
| 22 | Improved equivalent magnetic network modeling for analyzing working points of PMs in interior permanent magnet machine. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 454, 39-50. | 2.3 | 21 |
| 23 | Design and Analysis for Torque Ripple Reduction in Synchronous Reluctance Machine. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-5. | 2.1 | 12 |
| 24 | Hybrid Control Set-Model Predictive Control for Field-Oriented Control of VSI-PMSM. <i>IEEE Transactions on Energy Conversion</i> , 2016, 31, 1622-1633. | 5.2 | 66 |
| 25 | Analytical Field Calculation and Analysis of Surface Inset Permanent Magnet Machines With High Saliency Ratio. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-12. | 2.1 | 29 |
| 26 | Optimal Designing of Permanent Magnet Cavity to Reduce Iron Loss of Interior Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-9. | 2.1 | 28 |
| 27 | Modeling and Analyzing of Magnetic Field of Segmented Halbach Array Permanent Magnet Machine Considering Gap Between Segments. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-9. | 2.1 | 34 |
| 28 | Parameter tuning of particle swarm optimization by using Taguchi method and its application to motor design. , 2014, , . | | 18 |
| 29 | Cogging Torque Modeling and Analyzing for Surface-Mounted Permanent Magnet Machines With Auxiliary Slots. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 5112-5123. | 2.1 | 55 |
| 30 | Modeling and Analyzing for Magnetic Field of Segmented Surface-Mounted PM Motors with Skewed Poles. <i>Journal of Electrical Engineering and Technology</i> , 0, , 1. | 2.0 | 3 |