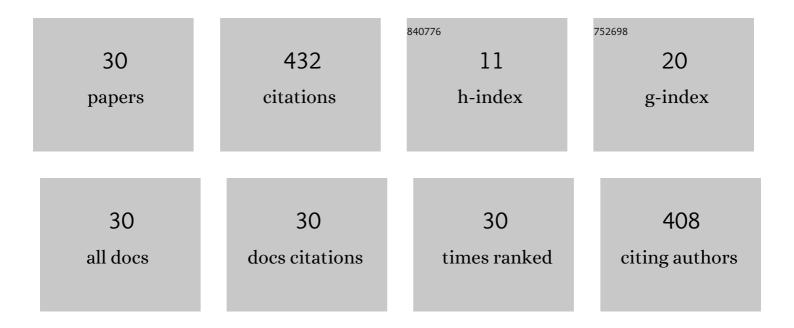
Huimin Wang

List of Publications by Year in descending order

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HUMIN WANC

#	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

HUIMIN WANG

#	Article	IF	CITATIONS
19	Sensorless-MTPA Control of Permanent Magnet Synchronous Motor Based on an Adaptive Sliding Mode Observer. Energies, 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. International Journal of Applied Electromagnetics and Mechanics, 2019, 60, 337-353.	0.6	3
22	Improved equivalent magnetic network modeling for analyzing working points of PMs in interior permanent magnet machine. Journal of Magnetism and Magnetic Materials, 2018, 454, 39-50.	2.3	21
23	Design and Analysis for Torque Ripple Reduction in Synchronous Reluctance Machine. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	12
24	Hybrid Control Set-Model Predictive Control for Field-Oriented Control of VSI-PMSM. IEEE Transactions on Energy Conversion, 2016, 31, 1622-1633.	5.2	66
25	Analytical Field Calculation and Analysis of Surface Inset Permanent Magnet Machines With High Saliency Ratio. IEEE Transactions on Magnetics, 2016, 52, 1-12.	2.1	29
26	Optimal Designing of Permanent Magnet Cavity to Reduce Iron Loss of Interior Permanent Magnet Machine. IEEE Transactions on Magnetics, 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. IEEE Transactions on Magnetics, 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. IEEE Transactions on Magnetics, 2013, 49, 5112-5123.	2.1	55
30	Modeling and Analyzing for Magnetic Field of Segmented Surface-Mounted PM Motors with Skewed Poles. Journal of Electrical Engineering and Technology, 0, , 1.	2.0	3