

# Jian Zhang

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Accurate Virtual Signal Injection Control of MTPA for an IPMSM With Fast Dynamic Response. IEEE Transactions on Power Electronics, 2018, 33, 7916-7926.	7.9	41
2	Optimal inspection-based preventive maintenance policy for three-state mechanical components under competing failure modes. Reliability Engineering and System Safety, 2016, 152, 95-103.	8.9	40
3	A Simple and Practical Duty Cycle Modulated Direct Torque Control for Permanent Magnet Synchronous Motors. IEEE Transactions on Power Electronics, 2019, 34, 1572-1579.	7.9	35
4	Improved Flux-Weakening Control of IPMSMs Based on Torque Feedforward Technique. IEEE Transactions on Power Electronics, 2018, 33, 10970-10978.	7.9	30
5	Optimal Simultaneous PWM Control for Three-Phase Dual-Active-Bridge Converters to Minimize Current Stress in the Whole Load Range. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5822-5837.	5.4	14
6	An Overmodulation Strategy for Matrix Converter Under Unbalanced Input Voltages. IEEE Access, 2021, 9, 2345-2356.	4.2	13
7	Comparison of Electromagnetic Performance of SCPM Wind Power Generators With Different Topologies. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	12
8	Optimal Design of Outer Rotor Interior Permanent Magnet Synchronous Machine With Hybrid Permanent Magnet. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	10
9	Dynamic Reluctance Mesh Modeling and Losses Evaluation of Permanent Magnet Traction Motor. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	9
10	Improved Model Predictive Control for Three-Phase Dual-Active-Bridge Converters With a Hybrid Modulation. IEEE Transactions on Power Electronics, 2022, 37, 4050-4064.	7.9	9
11	Insulation Degradation Analysis Due to Thermo-Mechanical Stress in Deep-Sea Oil-Filled Motors. Energies, 2022, 15, 3963.	3.1	3
12	Passivity-Based Cascade-Free Finite-Set Model Predictive Control for Nested Neutral Point-Clamped Converters. IEEE Access, 2020, 8, 200209-200218.	4.2	2
13	Fault-Tolerant Control for Multiphase Induction Machines With Torque Ripple Reduction Considering Harmonic Injection. IEEE Transactions on Power Electronics, 2022, 37, 14005-14010.	7.9	2
14	An investigation on AC loss reduction for permanent-magnet superconducting electrical machine. International Journal of Applied Electromagnetics and Mechanics, 2022, 68, 45-57.	0.6	1