

# Jian

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Improved Flux-Weakening Method With Excitation Current Distribution for Hybridly Excited Asymmetric Stator Pole Doubly Salient Machine Based on Electrical Vehicle. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 1385-1396.	5.4	1
2	Cogging Torque Dynamic Reduction Based on Harmonic Torque Counteract. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	3
3	Variable-Speed Hydropower Generation: System Modeling, Optimal Control, and Experimental Validation. IEEE Transactions on Industrial Electronics, 2021, 68, 10902-10912.	7.9	14
4	Robust Predictive Power Control of N*3-Phase PMSM for Flywheel Energy Storage Systems Application. Energies, 2021, 14, 3684.	3.1	2
5	An Online Data-Driven Multi-Objective Optimization of a Permanent Magnet Linear Synchronous Motor. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	11
6	Permanent magnet temperature estimation of high power density permanent magnet synchronous machines by considering magnetic saturation. Journal of Power Electronics, 2021, 21, 1804-1811.	1.5	4
7	Study on the Permanent Magnet Synchronous Motor and Matching Design Method Based on Global Optimal Annual Power Loss of Pump. , 2019, , .		0
8	Analysis of Temperature Field For Special Vehicle Drive Motor. , 2019, , .		0
9	Optimal Efficiency Current Trajectory Control of Permanent Magnet Synchronous Motor Considering Cross Coupling and Magnetic Saturation. , 2019, , .		1
10	Torque Feedforward Control based on sudden load change of double PWM permanent magnet electric drive system. , 2019, , .		1
11	A Genetic-Taguchi Global Design Optimization Strategy for Surface-Mounted PM Machine. , 2019, , .		1
12	Multi-Objective optimisation of hydroelectric PMSG considering water level variation. Journal of Engineering, 2019, 2019, 5234-5239.	1.1	0
13	Dynamic DC-link Voltage Adjustment for Electric Vehicles Considering the Cross Saturation Effects. Energies, 2018, 11, 2046.	3.1	3
14	Magnetic Field and Thrust Analysis of the U-Channel Air-Core Permanent Magnet Linear Synchronous Motor. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	19
15	Torque ripple minimisation of permanent magnet synchronous motor using a new proportional resonant controller. IET Power Electronics, 2017, 10, 208-214.	2.1	54
16	Cogging Torque Reduction by Elementary-Cogging-Unit Shift for Permanent Magnet Machines. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	26
17	Overview of condition monitoring and operation control of electric power conversion systems in direct-drive wind turbines under faults. Frontiers of Mechanical Engineering, 2017, 12, 281-302.	4.3	15
18	Design of Position Estimation Strategy of Sensorless Interior PMSM at Standstill Using Minimum Voltage Vector Injection Method. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	10

#	ARTICLE	IF	CITATIONS
19	Initial Rotor Position Detection for Sensorless Interior PMSM With Square-Wave Voltage Injection. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	30
20	Cogging Torque Reduction by Slot-Opening Shift for Permanent Magnet Machines. IEEE Transactions on Magnetics, 2013, 49, 4028-4031.	2.1	61
21	An analytic electromagnetic calculation method for performance evolution of doubly fed induction generators for wind turbines. Journal of Central South University, 2013, 20, 2763-2774.	3.0	1
22	An apparatus and method for stacked sheet counting with camera array. , 2013, , .		6
23	Optimal design of the rotor structure for interior permanent magnet synchronous motor. , 2011, , .		6
24	IPMSM sensorless control based on fuzzy active-disturbance rejection controller for electric vehicle. , 2011, , .		3
25	Air-gap flux oriented vector control for the sensorless bearingless permanent magnetic motor. , 2011, , .		2
26	Optimal design of the direct-driven high power permanent magnet generator turbine by wind. , 2011, , .		2
27	A novel position controller for PMSM servo system based on variable structure active disturbance rejection controller. , 2011, , .		3
28	Optimization design of permanent magnet synchronous servo motor with new high dynamic performance. , 2011, , .		2
29	Optimization the Electromagnetic Torque Ripple of Permanent Magnet Synchronous Motor. , 2010, , .		14
30	Optimum Design of Permanent Magnet Synchronous Motor Based on Gene Handling Genetic Algorithms. , 2010, , .		4
31	Maximum torque per ampere and flux-weakening control for PMSM based on curve fitting. , 2010, , .		16
32	Comparison of control performance of PMSM of different rotor structure. , 2010, , .		0
33	Method for optimize the air gap flux density of permanent magnet synchronous motor. , 2009, , .		3
34	Some Practical Consideration of a 2MW Direct-Drive Permanent-Magnet Wind-Power Generation System. , 2009, , .		5
35	Winding layers and slot/pole combination in fractional slot/pole PMSM&#x2014;Effects on motor performance. , 2009, , .		11
36	A Novel Variable Step Hill-Climb Search Algorithm Used for Direct Driven PMSG. , 2009, , .		5