Jiwei Cao

List of Publications by Year
in descending order

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24	175	1307594 7	1125743 13
papers	citations	h-index	g-index

24	24	24	168
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic Field of a Tubular Linear Motor With Special Permanent Magnet. IEEE Transactions on Plasma Science, 2011, 39, 83-86.	1.3	36
2	Inner Loop Design for PMLSM Drives With Thrust Ripple Compensation and High-Performance Current Control. IEEE Transactions on Industrial Electronics, 2018, 65, 9905-9915.	7.9	33
3	Design of the HTS Permanent Magnet Motor With Superconducting Armature Winding. IEEE Transactions on Applied Superconductivity, 2012, 22, 5200704-5200704.	1.7	24
4	An Analytical Model and Optimization of a Novel Hybrid Rotor Machine for High Torque Density. IEEE Transactions on Energy Conversion, 2021, 36, 230-241.	5.2	11
5	Design of Axial and Radial Flux HTS Permanent Magnet Synchronous Motor's Rotor. IEEE Transactions on Applied Superconductivity, 2010, 20, 1060-1062.	1.7	8
6	A High-Bandwidth and Strong Robust Current Control Strategy for PMLSM Drives. IEEE Access, 2018, 6, 40929-40939.	4.2	8
7	Analytical Model of Torque-Prediction for a Novel Hybrid Rotor Permanent Magnet Machines. IEEE Access, 2019, 7, 109528-109538.	4.2	8
8	Design and Test of a High-Speed Double-Winding High Temperature Superconducting Synchronous Motor. IEEE Access, 2020, 8, 77470-77481.	4.2	7
9	An Electromagnetic Design of a Fully Superconducting Generator for Wind Application. Energies, 2021, 14, 7811.	3.1	7
10	Design and Optimization of a High-Speed Permanent Magnet Synchronous Machine for Gas Compressors. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	6
11	Magnetic Field Distribution Around Superconducting Coils in Ferromagnetic Environment. IEEE Transactions on Applied Superconductivity, 2011, 21, 1131-1135.	1.7	4
12	The Optimization Design of Short-Term High-Overload Permanent Magnet Motors Considering the Nonlinear Saturation. Energies, 2018, 11, 3272.	3.1	4
13	Non-Interacting Control of PMSM Based on Exact Linearization Via State Variable Feedback. , 2009, , .		3
14	Calculation Method Study of HTS Coilsâ€™ Critical Current. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-8.	1.7	3
15	Research on Bearing Current Detection Method of High-speed Motor Driven by PWM Inverter. , 2019, , .		3
16	Electromagnetic Performance of the Novel Hybrid-Pole Permanent Magnet Machines for High Peak Torque Density. IEEE Access, 2020, 8, 220384-220393.	4.2	3
17	Research on Magnetic Shield Effect of AC Superconducting Armature. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-6.	1.7	2
18	Study on the Position Estimation Method of Winding Segmented Permanent Magnet Linear Motor. IEEE Access, 2022, 10, 51242-51248.	4.2	2

#	Article	IF	Citations
19	AC Current Carrying Property of High-T_{c} Superconducting Tapes and Its Magnetic Field Dependence. IEEE Transactions on Applied Superconductivity, 2012, 22, 6600104-6600104.	1.7	1
20	Key Technology of High Overload High Speed Permanent-Magnet Synchronous Motor. , 2019, , .		1
21	Investigation on Maximum Electromagnetic Torque of Permanent-Magnet Synchronous Machines. IEEE Access, 2020, 8, 113011-113020.	4.2	1
22	Research on inductance model of giant magnetostrictive actuator. , 2010, , .		0
23	Current control for the single degree of freedom linear maglev system. , 2014, , .		0
24	Novel Test Method for AC Current-Carrying Capability in the Consideration of Alternating Magnetic Field. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	0