Liwang Ai

List of Publications by Year
in descending order

19	126	1478505 6	1281871 11
papers	citations	h-index	g-index

19	19	19	113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis and testing of a superconducting maglev submersible cryogenic liquid pump. IET Electric Power Applications, 2022, 16, 498-510.	1.8	0
2	Torque ripple reduction of brushless DC motor with convex arcâ€type permanent magnets based on robust optimization design. IET Electric Power Applications, 2022, 16, 565-574.	1.8	3
3	Levitation behaviours of an eccentric SC-PM system with multi-degree-of-freedom motion. International Journal of Applied Electromagnetics and Mechanics, 2022, , 1-9.	0.6	0
4	Behaviors of Axial and Radial Electromagnetic Force for Cryogenic Disk Motor. IEEE Transactions on Energy Conversion, 2021, 36, 874-882.	5.2	5
5	Characteristic Analysis and Optimization of U-PM Linear Vernier Motor. , 2021, , .		2
6	Characteristics Analysis of U-type Permanent Magnet Salient Pole Linear Motor. , 2021, , .		0
7	Axial Vibration Characteristic of Levitation Force for Radial-Type Superconducting Magnetic Bearing. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-7.	1.7	5
8	Pole Optimization and Thrust Ripple Suppression of New Halbach Consequent-Pole PMLSM for Ropeless Elevator Propulsion. IEEE Access, 2020, 8, 62042-62052.	4.2	31
9	Dynamic levitation behavior of a radial-type SMB under axial load condition. Physica C: Superconductivity and Its Applications, 2020, 575, 1353671.	1.2	2
10	Characteristics Analysis at High Speed of Asynchronous Axial Magnetic Coupler for Superconducting Flywheel Energy Storage System. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	5
11	Investigation on the multiâ€ĐoF 3â€Đ model and levitation behaviour of radialâ€type superconducting magnetic bearing. IET Electric Power Applications, 2019, 13, 1849-1856.	1.8	1
12	Electromagnetic and Rotational Characteristics of a Superconducting Flywheel Energy Storage System Utilizing a Radial-Type High-Temperature Superconducting Bearing. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1605-1616.	1.8	13
13	A Three-Dimensional Measurement System for High-Temperature Superconducting Magnetic Bearings. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	3
14	Research on a Superconducting Magnetic Bearing System for Submerged Cryogenic Disk Motor-Pump. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	9
15	Optimization of radial-type superconducting magnetic bearing using the Taguchi method. Physica C: Superconductivity and Its Applications, 2018, 550, 57-64.	1.2	19
16	Simplified calculation for the radial levitation force of radialâ€type superconducting magnetic bearing. IET Electric Power Applications, 2018, 12, 1291-1296.	1.8	6
17	Study on the AC Loss Reduction of REBCO Double Pancake Coil. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	10
18	Influence of Substrate Magnetism on Frequency-Dependent Transport Loss in HTS-Coated Conductors. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.7	9

#	Article	IF	Citations
19	Analysis on coupling effect of 2-DOF direct drive induction motor based on 3-D model. , 2014, , .		3