Longnv Li

List of Publications by Year
in descending order

30 papers	176 citations	1307594 7 h-index	1125743 13 g-index
30 all docs	30 docs citations	30 times ranked	173 citing authors

#	Article	IF	Citations
1	A full‐domain fluidic‐thermal approach for a high‐speed PMSM considering the bearing components. IET Electric Power Applications, 2022, 16, 169-177.	1.8	2
2	Design and Analysis of a Self-Circulated Oil Cooling System Enclosed in Hollow Shafts for Axial-Flux PMSMs. IEEE Transactions on Vehicular Technology, 2022, 71, 4879-4888.	6.3	14
3	Design and analysis of different cooling schemes of a flux‐modulated permanent magnet in‐wheel motor for electric vehicle applications. IET Electric Power Applications, 2021, 15, 348-358.	1.8	4
4	Cooling System Design Optimization of a High Power Density PM Traction Motor for Electric Vehicle Applications. Journal of Electrical Engineering and Technology, 2021, 16, 3061-3068.	2.0	7
5	Design and Optimization of a Novel HTS Flux-Modulated Linear Motor Using Halbach Permanent Magnet Arrays. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	6
6	Design Optimization of a HTS-Modulated PM Wind Generator. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	6
7	Comprehensive Thermal Analysis of Oil-Immersed Auto-Transformer Based on Multi-Physics Analyses. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	1
8	A Novel Neural Network Cell Method for Solving Nonlinear Electromagnetic Problems. Advanced Theory and Simulations, 2021, 4, 2100216.	2.8	1
9	Investigation of Arc Characteristics of a DC Vacuum Circuit Breaker With Double-Break Under Asynchronous Interrupting. IEEE Transactions on Plasma Science, 2019, 47, 3533-3539.	1.3	11
10	Cooling System Design of a High-Speed PMSM Based on a Coupled Fluidic‐Thermal Model. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	14
11	Prediction of oil flow and temperature distribution of transformer winding based on multi‐field coupled approach. Journal of Engineering, 2019, 2019, 2007-2012.	1.1	4
12	Research of Short-Circuit Performance of a Split-Winding Transformer With Stabilizing Windings. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	13
13	Analysis of Dynamic Arc Parameters for Vacuum Circuit Breaker Under Short-Circuit Current Breaking. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	11
14	Estimation of state‐of‐charge based on unscented Kalman particle filter for storage lithium‐ion battery. Journal of Engineering, 2019, 2019, 1858-1863.	1.1	7
15	Calculation and Analysis of Short-circuit Performance of a Split-Winding Transformer with Stabilizing Windings. , 2018, , .		2
16	Analyse of Vacuum Arc Characteristics under Short-Circuit Breaking. , 2018, , .		1
17	Analytical Analysis and Cooling System Design of a High-Speed Permanent Magnet Motor Utilizing an Amorphous Metal Core. , 2018, , .		1
18	Analysis of Dynamic Arc Parameters for Vacuum Circuit Breaker under Short-circuit Current Breaking. , 2018, , .		0

#	Article	IF	Citations
19	Calculation and Analysis of Short-circuit Performance of a Split-Winding Transformer with Stabilizing Windings. , 2018, , .		1
20	A Novel Vacuum Interruption Contact Design for High Current DC Vacuum Circuit Breaker. , 2018, , .		0
21	Experimental and Simulation Research on Delay-Time Breaking Property of DC Vacuum Circuit Breaker (VCB) with Multi-breaks. , 2018, , .		2
22	Research on sheath development of vacuum circuit breaker based on continuous transition model. , 2017, , .		0
23	Optimization design and application of converter parameters of DC vacuum circuit breaker. , 2017, , .		0
24	Research on the simulation of vacuum arc under low current interruption. , 2017, , .		0
25	Research of efficient FEM algorithm with precise and parallel computing. , 2017, , .		0
26	Comparative analysis of 3-D magnetic field for axial magnetic field vacuum interrupter contact with different iron core structure. , 2017, , .		2
27	Detection method of low voltage series DC arc based on the pattern matching algorithm. , 2017, , .		6
28	Optimal Design of Magnetic Gears With a General Pattern of Permanent Magnet Arrangement. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	23
29	A Quantitative Comparison Study of Power-Electronic-Driven Flux-Modulated Machines Using Magnetic Field and Thermal Field Co-Simulation. IEEE Transactions on Industrial Electronics, 2015, 62, 6076-6084.	7.9	37
30	An effective educational tool for straightforward learning of numerical modeling in engineering electromagnetics. Computer Applications in Engineering Education, 0, , .	3.4	0