Mingda Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8262810/publications.pdf

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26	271	2258059	1872680
papers	citations	3 h-index	6 g-index

26	26	26	197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cooling of Windings in Electric Machines via 3-D Printed Heat Exchanger. IEEE Transactions on Industry Applications, 2020, 56, 4718-4726.	4.9	47
2	Cooling of Windings in Electric Machines via 3D Printed Heat Exchanger. , 2018, , .		31
3	Ceramic 3D Printed Direct Winding Heat Exchangers for Improving Electric Machine Thermal Management. , 2019, , .		29
4	Development of High-Frequency WBG Power Modules with Reverse-Voltage-Blocking Capability for an Integrated Motor Drive using a Current-Source Inverter. , 2018, , .		27
5	Ceramic 3-D Printed Direct Winding Heat Exchangers for Thermal Management of Concentrated Winding Electric Machines. IEEE Transactions on Industry Applications, 2021, 57, 5829-5840.	4.9	17
6	Design of a novel integrated motor-compressor machine with GaN-based inverters. , 2017, , .		14
7	Rotor Thermal Design for Electric Machines: Challenges and Opportunities. , 2018, , .		14
8	Novel 6-slot 4-pole dual-stator flux-switching permanent magnet machine comparison studies for high-speed applications. , 2016, , .		13
9	Thermal management and cooling of windings in electrical machines for electric vehicle and traction application. , 2017, , .		12
10	Comparative Study of 6/4 FSPM and SPM Machine for High-Speed Applications. , 2019, , .		10
11	Design and Testing of Low Pole Dual-Stator Flux-Switching Permanent Magnet Machine for Electric Vehicle Applications. IEEE Transactions on Vehicular Technology, 2020, 69, 1464-1472.	6.3	10
12	Influence of Rotor Pole Thickness on Optimal Combination of Stator Slot and Rotor Pole Numbers in Integrated Flux-Switching Motor-Compressor. , 2018, , .		7
13	Investigation of Rotor Structure Influence on the Windage Loss and Efficiency of FSPM Machine. , 2018, , .		6
14	Thermal analysis of a novel dual-stator 6/4 flux-switching permanent magnet machine. , 2017, , .		5
15	Design and Comparison of Single-Layer Dual-Stator 6/4 FSPM Machine with Toroidal Winding. , 2019, , .		5
16	Comparison of dual structure axial flux-switching permanent magnet machines. , 2017, , .		4
17	Torque Production Limit of Surface Permanent Magnet Synchronous Machines and Their Electromagnetic Scalability. IEEE Transactions on Industry Applications, 2021, 57, 4353-4362.	4.9	4
18	Comparison of Dual-stator 6/4 FSPM Machine with Overlapping and Non-Overlapping Winding. , 2018, , .		3

#	Article	IF	Citations
19	Influence of winding topologies and encapsulation materials on FSPM machine thermal performance. IET Electric Power Applications, 2020, 14, 1604-1611.	1.8	3
20	Comparison of High-Frequency Impedance of AC Machines with Circumferential and Toroidal Winding Topologies for SiC MOSFET Machine Drives. , 2020, , .		3
21	Design of Conical Rotor Flux-Switching Permanent Magnet Machine with Improved Flux-Weakening Capability for Traction Applications. , 2019, , .		2
22	Extending Winding Function Theory to Incorporate Secondary Effects in the Design of Induction Machines and Drives. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1915-1924.	5.4	2
23	Analysis of dual-stator 6/4 FSPM and IPM machines under internal short circuits. , 2017, , .		1
24	Novel design of multistage integrated motor-compressor. , 2017, , .		1
25	Torque ripple reduction and mechanical tolerance analysis of a novel dual-stator 6/4 flux-switching permanent magnet machine. , 2017, , .		1
26	Performance Analysis of C-core and E-core Flux-Switching Permanent Magnet Machine With Airfoil-Shaped Rotor. , 2018, , .		0