

Lassi Aarniovuori

List of Publications by Year in descending order

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36
papers

497
citations

840776

11
h-index

996975

15
g-index

36
all docs

36
docs citations

36
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of Power Quality Disturbances Using Wigner-Ville Distribution and Deep Convolutional Neural Networks. IEEE Access, 2019, 7, 119099-119109.	4.2	78
2	Direct Liquid Cooling in Low-Power Electrical Machines: Proof-of-Concept. IEEE Transactions on Energy Conversion, 2016, 31, 1257-1266.	5.2	52
3	Measurements and Simulations of DTC Voltage Source Converter and Induction Motor Losses. IEEE Transactions on Industrial Electronics, 2012, 59, 2277-2287.	7.9	41
4	Multidisciplinary Design of a Permanent-Magnet Traction Motor for a Hybrid Bus Taking the Load Cycle into Account. IEEE Transactions on Industrial Electronics, 2016, 63, 3397-3408.	7.9	39
5	High-Power Solar Inverter Efficiency Measurements by Calorimetric and Electric Methods. IEEE Transactions on Power Electronics, 2013, 28, 2798-2805.	7.9	36
6	Analysis of 37-kW Converter-Fed Induction Motor Losses. IEEE Transactions on Industrial Electronics, 2016, 63, 5357-5365.	7.9	28
7	Loss Definition of Electric Drives by a Calorimetric System With Data Processing. IEEE Transactions on Industrial Electronics, 2014, 61, 4432-4442.	7.9	25
8	Application of Calorimetric Method for Loss Measurement of a SynRM Drive System. IEEE Transactions on Industrial Electronics, 2016, 63, 2005-2015.	7.9	22
9	Calorimetric concept for measurement of power losses up to 2ÂkW in electric drives. IET Electric Power Applications, 2013, 7, 453-461.	1.8	19
10	Design and Manufacturing of a Modular Low-Voltage Multimegawatt High-Speed Solid-Rotor Induction Motor. IEEE Transactions on Industry Applications, 2021, 57, 6903-6912.	4.9	15
11	Converter-fed induction motor losses in different operating points. , 2016, , .		13
12	On Low-Voltage DC Network Customer-End Inverter Energy Efficiency. IEEE Transactions on Smart Grid, 2014, 5, 2709-2717.	9.0	12
13	Review of Electrical Motor Drives for Electric Vehicle Applications. Mehran University Research Journal of Engineering and Technology, 2019, 38, 525-540.	0.6	12
14	Three alternative methods to determine voltage source converter losses. , 2015, , .		11
15	Loss calculation of a frequency converter with a fixed-step circuit simulator. , 2007, , .		10
16	Design Aspects of Direct-on-Line Synchronous Reluctance Motors. , 2018, , .		9
17	IM Loss Evaluation Using FEA and Measurements. , 2018, , .		7
18	Analytical Evaluation of High-Efficiency Induction Motor Losses. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
19	Voltage-Source Converter Energy Efficiency Classification in Accordance With IEC 61800-9-2. IEEE Transactions on Industrial Electronics, 2020, 67, 8242-8251.	7.9	7
20	Parallel chamber calorimetric concept. , 2013, , .		6
21	Frequency converter driven induction motor losses. , 2013, , .		6
22	Advanced Uncertainty Calculation Method for Converter-Fed Motor Loss Determining. , 2019, , .		6
23	INVESTIGATION OF THE EFFECT OF BONDING POINTS ON METAL SURFACE-MOUNTED FBG SENSORS FOR ELECTRIC MACHINES. Progress in Electromagnetics Research C, 2019, 97, 255-265.	0.9	5
24	Experimental Investigation of the Losses and Efficiency of 75 kW Induction Motor Drive System. , 2019, , .		5
25	PWM power distribution and switching frequency analysis in motor drives. , 2016, , .		4
26	Comparison of Commercial and Open-Source FEM Software: A Case Study. IEEE Transactions on Industry Applications, 2020, 56, 6411-6419.	4.9	4
27	Measurement aspects with open- and balance-type calorimeter. , 2013, , .		3
28	Scalable open- and balance-type calorimeter for measuring power electronics and motors. , 2013, , .		3
29	Selection of optimal slice count for multi-slice analysis of skewed induction motors. , 2017, , .		3
30	Measurement Accuracy Requirements for the Efficiency Classification of Converters and Motors. , 2019, , .		2
31	Emulating Induction Machine Loss Segregation Procedure with FEM. , 2021, , .		2
32	Converter-Fed Induction Motor Finite Element Analysis With Different Time Steps. , 2020, , .		2
33	Applicability of an open- and balance-type calorimeter to VSC loss measurement. , 2014, , .		1
34	Determining losses of motors designed for converter operation. , 2015, , .		1
35	Evaluation of 5 kW Converter-Fed Induction Motor Losses by Analytical Calculation. , 2022, , .		1
36	The Instrumentation Influence on the Motor Loss Determination Uncertainty. , 2019, , .		0