Guy Friedrich

List of Publications by Year
in descending order

16	926	1163117	1199594
papers	citations	8	12
		h-index	g-index

16	16	16	1012
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal modeling of a cylindrical LiFePO4/graphite lithium-ion battery. Journal of Power Sources, 2010, 195, 2961-2968.	7.8	683
2	Thermal modeling of large prismatic LiFePO 4 /graphite battery. Coupled thermal and heat generation models for characterization and simulation. Journal of Power Sources, 2015, 283, 37-45.	7.8	125
3	Numerical Study of Convective Heat Transfer in the End Regions of a Totally Enclosed Permanent Magnet Synchronous Machine. IEEE Transactions on Industry Applications, 2017, 53, 3538-3547.	4.9	18
4	Numerical approach for thermal analysis of heat transfer into a very narrow air gap of a totally enclosed permanent magnet integrated starter generator. , 2015, , .		15
5	Thermal Design Optimization of Electric Machines Using a Global Sensitivity Analysis. IEEE Transactions on Industry Applications, 2017, 53, 5365-5372.	4.9	15
6	Heterogeneous behavior modeling of a LiFePO 4 -graphite cell using an equivalent electrical circuit. Journal of Energy Storage, 2017, 12, 167-177.	8.1	12
7	Separation of the charge transfers and solid electrolyte interphase contributions to a battery voltage by modeling their non-linearities regarding current and temperature. Journal of Power Sources, 2021, 516, 230617.	7.8	11
8	Thermal Modeling of a Claw-Pole Electrical Generator: Steady-State Computation and Identification of Free and Forced Convection Coefficients. IEEE Transactions on Industry Applications, 2014, 50, 279-287.	4.9	9
9	Thermal modeling of an asymmetrical totally enclosed permanent magnet integrated starter generator. Mathematics and Computers in Simulation, 2016, 130, 32-47.	4.4	8
10	Comparison Between Single-Model and Multimodel Optimization Methods for Multiphysical Design of Electrical Machines. IEEE Transactions on Industry Applications, 2018, 54, 1379-1389.	4.9	8
11	Comparison of Two Analytical Methods for Calculating the Maximum Mechanical Stress in the Rotor of High-Speed-Assisted Synchronous Reluctance Machines. IEEE Transactions on Industry Applications, 2021, 57, 1344-1353.	4.9	7
12	Determination of rotor-stator heat exchange coefficients in the case of totally enclosed machines: Application to an integrated starter-generator. , 2013, , .		4
13	Fast iron losses model of stator taking into account the flux weakening mode for the optimal sizing of high speed permanent internal magnet synchronous machine. Mathematics and Computers in Simulation, 2017, 131, 328-343.	4.4	4
14	Comparison between Assisted and Dual Phase synchronous reluctance machines for high speed applications. , 2018, , .		3
15	Comparison of two Analytical Methods for Calculating the Maximum Mechanical Stress in the Rotor of High Speed Assisted Synchronous Reluctance Machines. , 2019, , .		2
16	Prevention of lithium deposition reaction in Li-ion batteries using a non-invasive approach, Part I: Separation of the negative electrode contributions. Journal of Power Sources, 2022, 533, 231306.	7.8	2