Hans Tiismus

List of Publications by Year
in descending order

22	287	933447 10	1199594 12
papers	citations	h-index	g-index

22	22	22	135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determining the Thermal Conductivity of Additively Manufactured Metal Specimens. , 2022, , .		3
2	Utilization of Additive Manufacturing in the Thermal Design of Electrical Machines: A Review. Machines, 2022, 10, 251.	2.2	10
3	State of the art of additively manufactured electromagnetic materials for topology optimized electrical machines. Additive Manufacturing, 2022, 55, 102778.	3.0	20
4	Design and Performance of Laser Additively Manufactured Core Induction Motor. IEEE Access, 2022, 10, 50137-50152.	4.2	13
5	Laser Additively Manufactured Magnetic Core Design and Process for Electrical Machine Applications. Energies, 2022, 15, 3665.	3.1	12
6	Sliding Mean Value Subtraction-Based DC Drift Correction of B-H Curve for 3D-Printed Magnetic Materials. Energies, 2021, 14, 284.	3.1	1
7	Additive Manufacturing of Prototype Axial Flux Switched Reluctance Electrical Machine. , 2021, , .		13
8	Opportunities and Challenges of Utilizing Additive Manufacturing Approaches in Thermal Management of Electrical Machines. IEEE Access, 2021, 9, 36368-36381.	4.2	44
9	AC Magnetic Loss Reduction of SLM Processed Fe-Si for Additive Manufacturing of Electrical Machines. Energies, 2021, 14, 1241.	3.1	33
10	Optimization of a 3D-Printed Permanent Magnet Coupling Using Genetic Algorithm and Taguchi Method. Electronics (Switzerland), 2021, 10, 494.	3.1	13
11	Determination of Heat Transfer Coefficient from Housing Surface of a Totally Enclosed Fan-Cooled Machine during Passive Cooling. Machines, 2021, 9, 120.	2.2	10
12	Additive Manufacturing and Performance of E-Type Transformer Core. Energies, 2021, 14, 3278.	3.1	13
13	Corrections to â€œOpportunities and Challenges of Utilizing Additive Manufacturing Approaches in Thermal Management of Electrical Machinesâ€. IEEE Access, 2021, 9, 62532-62532.	4.2	1
14	Performance Evaluation of Additive Manufacturing Based Test Samples for Studies of Defects in Electrical Insulation. , 2021, , .		1
15	Hysteresis Measurements and Numerical Losses Segregation of Additively Manufactured Silicon Steel for 3D Printing Electrical Machines. Applied Sciences (Switzerland), 2020, 10, 6515.	2.5	34
16	Hysteresis Loss Evaluation of Additively Manufactured Soft Magnetic Core. , 2020, , .		7
17	Challenges of Additive Manufacturing of Electrical Machines. , 2019, , .		26
18	Technologies for Additive Manufacturing of Electrical Machines. , 2019, , .		9

#	Article	IF	Citations
19	Control Challenges of 3D Printed Switched Reluctance Motor. , 2019, , .		5
20	Axial Synchronous Magnetic Coupling Modeling and Printing with Selective Laser Melting. , 2019, , .		3
21	Electrical Resistivity of Additively Manufactured Silicon Steel for Electrical Machine Fabrication. , 2019, , .		9
22	Preliminary Analysis of Soft Magnetic Material Properties for Additive Manufacturing of Electrical Machines. Key Engineering Materials, 0, 799, 270-275.	0.4	7