

# Hans Tiismus

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5626927/publications.pdf>

Version: 2024-02-01

22  
papers

287  
citations

933447

10  
h-index

1199594

12  
g-index

22  
all docs

22  
docs citations

22  
times ranked

135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Opportunities and Challenges of Utilizing Additive Manufacturing Approaches in Thermal Management of Electrical Machines. IEEE Access, 2021, 9, 36368-36381.	4.2	44
2	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
3	AC Magnetic Loss Reduction of SLM Processed Fe-Si for Additive Manufacturing of Electrical Machines. Energies, 2021, 14, 1241.	3.1	33
4	Challenges of Additive Manufacturing of Electrical Machines. , 2019, , .		26
5	State of the art of additively manufactured electromagnetic materials for topology optimized electrical machines. Additive Manufacturing, 2022, 55, 102778.	3.0	20
6	Additive Manufacturing of Prototype Axial Flux Switched Reluctance Electrical Machine. , 2021, , .		13
7	Optimization of a 3D-Printed Permanent Magnet Coupling Using Genetic Algorithm and Taguchi Method. Electronics (Switzerland), 2021, 10, 494.	3.1	13
8	Additive Manufacturing and Performance of E-Type Transformer Core. Energies, 2021, 14, 3278.	3.1	13
9	Design and Performance of Laser Additively Manufactured Core Induction Motor. IEEE Access, 2022, 10, 50137-50152.	4.2	13
10	Laser Additively Manufactured Magnetic Core Design and Process for Electrical Machine Applications. Energies, 2022, 15, 3665.	3.1	12
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	Utilization of Additive Manufacturing in the Thermal Design of Electrical Machines: A Review. Machines, 2022, 10, 251.	2.2	10
13	Technologies for Additive Manufacturing of Electrical Machines. , 2019, , .		9
14	Electrical Resistivity of Additively Manufactured Silicon Steel for Electrical Machine Fabrication. , 2019, , .		9
15	Preliminary Analysis of Soft Magnetic Material Properties for Additive Manufacturing of Electrical Machines. Key Engineering Materials, 0, 799, 270-275.	0.4	7
16	Hysteresis Loss Evaluation of Additively Manufactured Soft Magnetic Core. , 2020, , .		7
17	Control Challenges of 3D Printed Switched Reluctance Motor. , 2019, , .		5
18	Axial Synchronous Magnetic Coupling Modeling and Printing with Selective Laser Melting. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Determining the Thermal Conductivity of Additively Manufactured Metal Specimens. , 2022, , .		3
20	Sliding Mean Value Subtraction-Based DC Drift Correction of B-H Curve for 3D-Printed Magnetic Materials. Energies, 2021, 14, 284.	3.1	1
21	Corrections to “Opportunities and Challenges of Utilizing Additive Manufacturing Approaches in Thermal Management of Electrical Machines” IEEE Access, 2021, 9, 62532-62532.	4.2	1
22	Performance Evaluation of Additive Manufacturing Based Test Samples for Studies of Defects in Electrical Insulation. , 2021, , .		1