

Zhijian Jin

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

165
citations

1307594

7
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

139
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-uniform ramping losses and thermal optimization with turn-to-turn resistivity grading in a (RE)Ba ₂ Cu ₃ O _x magnet consisting of multiple no-insulation pancake coils. Journal of Applied Physics, 2017, 122, .	2.5	33
2	Design and Fabrication of a 1-MW High-Temperature Superconductor DC Induction Heater. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	27
3	Analysis and Comparison Between No-Insulation and Metallic Insulation REBCO Magnet for the Engineering Design of a 1-MW DC Induction Heater. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	25
4	Study of the temperature uniformity of aluminium billets heated by superconducting DC induction heaters. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2015, 34, 357-370.	0.9	16
5	Analysis of Peak Electromagnetic Torque Characteristics for Superconducting DC Induction Heaters. IEEE Access, 2020, 8, 14777-14788.	4.2	16
6	Study on No-Insulation HTS Pancake Coils With Iron Core for Superconducting DC Induction Heaters. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	15
7	Quench Protection System of a 1 MW High Temperature Superconductor DC Induction Heater. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	12
8	Experimental and Numerical Study of Quench Characteristics of Nonuniform REBCO-Coated Conductors. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-6.	1.7	6
9	Start-up strategy using flywheel energy storage for superconducting DC induction heater. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2017, 36, 1298-1309.	0.9	6
10	Coil Voltage Pulse at the Beginning of the Fast Discharge Operation of No-Insulation REBCO Coils. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	5
11	Heating Characteristic and Thermal Optimization of Superconducting DC Induction Heater With Adjustable Air Gap Structure. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-7.	1.7	2
12	Influence of Electrical Conductivity on Heating Power of Metal Billets in HTS DC Induction Heater. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.7	2