

Jung Tae Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An HTS Magnet With Individually Controllable Coil Currents Energized by a Single Power Source. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	6
2	Fast Current Distribution Simulation Method for No-Insulation HTS Coil With Defects. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	6
3	Test and Analysis of Laboratory-Scale D-Shaped Co-Wound No-Insulation HTS Single Pancake Coil for TF Coil Application. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5
4	Investigation on Time-Varying Behavior of NI HTS Field Coil for Synchronous Motors Considering Armature Reaction and Slotting Effect. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5
5	A Real-Time Monitoring System for Investigating Electromagnetic Behaviors of an HTS Coil. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	9
6	Design, construction, and operation of a 24 T 240 A conduction-cooled defect-irrelevant winding (RE) Ba ₂ Cu ₃ O _{7-x} magnet. Review of Scientific Instruments, 2022, 93, .	1.3	1
7	Fast Distributed Simulation of "Defect-Irrelevant" Behaviors of No-Insulation HTS Coil. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	7
8	Preliminary Conceptual Design Study on HTS Toroidal Field Coil for Compact High Magnetic Field Tokamak. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-7.	1.7	4
9	Upper Limit Estimation of Resistive Heating Made by No-Insulation HTS Magnet Having Defects. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	5
10	A numerical method for spatially-distributed transient simulation to replicate nonlinear "defect-irrelevant" behaviors of no-insulation HTS coil. Superconductor Science and Technology, 2021, 34, 115004.	3.5	16
11	AC Loss Analysis on the KSTAR PF1L Coil Based on the Long-Term Commissioning Shot Data. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	1
12	Design, construction, and operation of an 18 T 70 mm no-insulation (RE)Ba ₂ Cu ₃ O _{7-x} magnet for an axion haloscope experiment. Review of Scientific Instruments, 2020, 91, 023314.	1.3	35
13	A Numerical Method to Calculate Spatial Harmonic Coefficients of Magnetic Fields Generated by Screening Currents in an HTS Magnet. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	3
14	Processing Parameters that Affect the Tolerable Bending Diameter of Reacted MgB ₂ Wires. Metals and Materials International, 2019, 25, 1467-1476.	3.4	2
15	Combined Circuit Model to Simulate Post-Quench Behaviors of No-Insulation HTS Coil. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	22
16	A Design Study on 40 MW Synchronous Motor With No-Insulation HTS Field Winding. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	33
17	Field Measurement and Analysis of a 3 T 66 A No-Insulation HTS NMR Magnet With Screening Current and Manufacturing Uncertainty Considered. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	11