

# Jung Tae Lee

## List of Publications by Year in descending order

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17  
papers

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1307594

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1125743

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Design, construction, and operation of an 18 T 70 mm no-insulation (RE)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> magnet for an axion haloscope experiment. Review of Scientific Instruments, 2020, 91, 023314.	1.3	35
2	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
3	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
4	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
5	Field Measurement and Analysis of a 3 T 66Amm No-Insulation HTS NMR Magnet With Screening Current and Manufacturing Uncertainty Considered. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	11
6	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
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	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
9	Fast Current Distribution Simulation Method for No-Insulation HTS Coil With Defects. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	6
10	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
11	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
12	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
13	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
14	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
15	Processing Parameters that Affect the Tolerable Bending Diameter of Reacted MgB <sub>2</sub> Wires. Metals and Materials International, 2019, 25, 1467-1476.	3.4	2
16	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
17	Design, construction, and operation of a 24 T 240Amm conduction-cooled defect-irrelevant winding (RE) Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> magnet. Review of Scientific Instruments, 2022, 93, .	1.3	1