

# Hongseok Lee

## List of Publications by Year in descending order

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28  
papers

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citations

1163117

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docs citations

28  
times ranked

235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-Related Creepage Discharge Characteristics for a 220-kV Superconducting Fault Current Limiter. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	1
2	ZnO Nanocluster-Functionalized Single-Walled Carbon Nanotubes Synthesized by Microwave Irradiation for Highly Sensitive NO <sub>2</sub> Detection at Room Temperature. ACS Omega, 2019, 4, 10677-10686.	3.5	30
3	Conceptual Design of a Spacer for a 154 kV HTS Apparatus. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	1
4	Dielectric Characteristics of PPLP with various Pressures and Intervals between Butt Gap. IEEE Transactions on Applied Superconductivity, 2019, , 1-1.	1.7	2
5	Creepage Discharge Characteristics of Solid Insulation Materials for Superconducting Power Cable. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	1
6	Degradation of Critical Current in an HTS Tape With Combined Bending and Torsion Considering Curvature of Elliptical Shape. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	4
7	Analysis of Voltage Noises for the Reliability Improvement of the KSTAR CS Quench Detection. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	0
8	Analytic Study of the Active Quench Detection Method for High-Temperature Superconducting Magnet Using Resonance Circuit. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	2
9	Comparative Study of Magnetic Characteristics of Air-Core and Iron-Core High-Temperature Superconducting Quadrupole Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	4
10	A Study on the Dielectric Design of the High-Voltage Platform for Developing the 28 GHz ECRIS at the KBSI. Journal of the Korean Physical Society, 2018, 73, 1170-1173.	0.7	0
11	PID Control of an Electromagnet-Based Rotary HTS Flux Pump for Maintaining Constant Field in HTS Synchronous Motors. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	17
12	Conceptual Design and Operating Characteristics of Multi-Resonance Antennas in the Wireless Power Charging System for Superconducting MAGLEV Train. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	26
13	Study on the E-t Characteristics of GFRP for a High-Voltage Superconducting Apparatus. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	0
14	Creepage Discharge Characteristics Along the Interface Between Two Solid Insulation Materials in GN <sub>2</sub> . IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	11
15	Discharge Voltage Effect on High-Tc Superconducting Tapes with respect to Tensile Stress. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	0
16	Conceptual Design of a Resistive 154-kV/2-kA Superconducting Fault Current Limiter. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	6
17	Surface Discharge Characteristics of GFRP in GN <sub>2</sub> and LN <sub>2</sub> for Designing a Superconducting Coil System. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	3
18	Design Considerations of Superconducting Wireless Power Transfer for Electric Vehicle at Different Inserted Resonators. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	37

#	ARTICLE	IF	CITATIONS
19	Electromagnetic characteristics of a superconducting magnet for the 28 GHz ECR ion source according to the series resistance of the protection circuit. Journal of the Korean Physical Society, 2015, 67, 1430-1434.	0.7	2
20	Dielectric Characteristics of Solid Insulation Materials With Respect to Surface Roughness. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	7
21	Magnetic Analysis on the Design of Superconducting Magnet for Developing 28-GHz ECR Ion Source. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	2
22	Electromagnetic characteristics of the superconducting magnets for the 28-GHz ECR ion source. Journal of the Korean Physical Society, 2015, 66, 384-388.	0.7	0
23	A Study of the Dielectric Characteristics of Gaseous Nitrogen With Respect to the Electrode Material for Developing a High Voltage Superconducting Fault Current Limiter. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	8
24	Degradation Characteristics of Superconducting Wires With Respect to Electrical Breakdown Tests. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	3
25	Analysis on the Dielectric Characteristics of Solid Insulation Materials in $\text{LN}_2$ for Development of High Voltage Magnet Applications. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	3
26	Visualization Study on the Bubble Suppression Characteristics of $\text{LN}_2$ for Developing a High Voltage Superconducting Magnet System. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	0
27	Study on the Dielectric Characteristics of Gaseous, Liquid, and Solid Insulation Materials for a High Voltage Superconducting Apparatus. IEEE Transactions on Applied Superconductivity, 2013, 23, 7700604-7700604.	1.7	16
28	Design of Current Leads for a High Voltage Superconducting Apparatus. IEEE Transactions on Applied Superconductivity, 2013, 23, 4800805-4800805.	1.7	13