

# Hyoungku Kang

## List of Publications by Year in descending order

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17  
papers

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1478505

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times ranked

55  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Electrical Breakdown Characteristics of Superconducting Magnet System in Sub-Cooled Liquid Nitrogen. IEEE Transactions on Applied Superconductivity, 2007, 17, 1509-1512.  | 1.7 | 14        |
| 2  | Dielectric Tests of Superconducting Coils for Development of High Voltage Superconducting Machines. IEEE Transactions on Applied Superconductivity, 2007, 17, 1493-1496.   | 1.7 | 13        |
| 3  | Analysis on the Dielectric Characteristics of Insulation Gases for Developing a High Voltage Superconducting Fault Current Limiter. IEEE Transactions on Applied Superconductivity, 2011, 21, 1332-1335.                                 | 1.7 | 13        |
| 4  | Design of Current Leads for a High Voltage Superconducting Apparatus. IEEE Transactions on Applied Superconductivity, 2013, 23, 4800805-4800805.   | 1.7 | 13        |
| 5  | 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         |
| 6  | Dielectric Characteristics of Solid Insulation Materials With Respect to Surface Roughness. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.   | 1.7 | 7         |
| 7  | Dielectric Characteristics of Liquid Nitrogen According to the Electrode Material. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1167-1173.  | 1.8 | 5         |
| 8  | Analysis on the electrical degradation characteristics of 2G HTS wires with respect to the electrical breakdown voltages. Progress in Superconductivity and Cryogenics (PSAC), 2015, 17, 37-40.  | 0.3 | 4         |
| 9  | Analysis of the Composite Dielectric Characteristics of Nitrogen for a Superconducting Coil System. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3289-3293.   | 1.8 | 3         |
| 10 | 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         |
| 11 | Cryogenic Discharge Characteristics of Solid Insulation Materials for Superconducting Coil Systems. Journal of Superconductivity and Novel Magnetism, 2017, 30, 2939-2944.   | 1.8 | 2         |
| 12 | Magnetization Loss of MgB <sub>2</sub> Superconducting Wire at Various Temperatures. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1531-1535.  | 1.8 | 1         |
| 13 | Analysis of the Dielectric Characteristics of Gaseous Nitrogen According to Various Temperatures and Pressures for a Magnet System. Journal of Superconductivity and Novel Magnetism, 2017, 30, 2347-2352.                               | 1.8 | 1         |
| 14 | Conceptual Design of the Termination Part for a Transmission Superconducting Fault Current Limiter. Journal of Electrical Engineering and Technology, 2022, 17, 503-512.   | 2.0 | 1         |
| 15 | Dielectric Design of Current Lead Parts for a 154 kV Superconducting Apparatus. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1259-1263.   | 1.8 | 0         |
| 16 | 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         |
| 17 | Deterioration Characteristics of 2G HTS Tapes with Respect to Electrical Breakdown for Designing a High-Voltage Superconducting Apparatus. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3271-3275.                        | 1.8 | 0         |