

Bang-Wook Lee

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

327
citations

8
h-index

15
g-index

60
ext. papers

421
ext. citations

2.1
avg, IF

3.73
L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 50 | A Novel Model of HVDC Hybrid-Type Superconducting Circuit Breaker and Its Performance Analysis for Limiting and Breaking DC Fault Currents. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-9 | 1.8 | 52 |
| 49 | Hybrid Superconducting Fault Current Limiter of the First Half Cycle Non-Limiting Type. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 1888-1891 | 1.8 | 34 |
| 48 | Feasible Application Study of Several Types of Superconducting Fault Current Limiters in HVDC Grids. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5 | 1.8 | 32 |
| 47 | Impact of SFCL on the Four Types of HVDC Circuit Breakers by Simulation. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-6 | 1.8 | 29 |
| 46 | Validity Analysis on the Positioning of Superconducting Fault Current Limiter in Neighboring AC and DC Microgrid. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 5600204-5600204 | 1.8 | 18 |
| 45 | Improvement of Recovery Characteristics of a Flux-Lock Type SFCL Using a Superconductor Trigger. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 1182-1185 | 1.8 | 11 |
| 44 | Appropriate Protection Scheme for DC Grid Based on the Half Bridge Modular Multilevel Converter System. <i>Energies</i> , 2019 , 12, 1837 | 3.1 | 9 |
| 43 | Assessment of appropriate SFCL type considering DC fault interruption in full bridge modular multilevel converter HVDC system. <i>Physica C: Superconductivity and Its Applications</i> , 2019 , 563, 1-6 | 1.3 | 8 |
| 42 | A Study on the Measurement of Volume and Surface Electrical Conductivity of Cryogenic Insulants for DC HTS Equipment. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-4 | 1.8 | 8 |
| 41 | A Reliable Protection Scheme for Fast DC Fault Clearance in a VSC-Based Meshed MTDC Grid. <i>IEEE Access</i> , 2020 , 8, 88188-88199 | 3.5 | 8 |
| 40 | Comparison of the Electrical Conductivity of Polypropylene Laminated Paper (PPLP) and Kraft in LN ₂ According to the Number of Layers. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 1-1 | 1.8 | 8 |
| 39 | Feasible protection strategy for HVDC system by means of SFCL and passive resonance DC breaker. <i>Journal of Engineering</i> , 2019 , 2019, 767-770 | 0.7 | 7 |
| 38 | Breakdown characteristics of liquid nitrogen for transmission-class superconducting electric equipment 2012 , | | 7 |
| 37 | Feasibility analysis of a novel hybrid-type superconducting circuit breaker in multi-terminal HVDC networks. <i>Physica C: Superconductivity and Its Applications</i> , 2015 , 518, 154-158 | 1.3 | 6 |
| 36 | Assessment of Overvoltage and Insulation Coordination in Mixed HVDC Transmission Lines Exposed to Lightning Strikes. <i>Energies</i> , 2019 , 12, 4217 | 3.1 | 6 |
| 35 | Assessment of various kinds of AC black-box arc models for DC circuit breaker 2017 , | | 6 |
| 34 | A Compact Cryocooling System With Subcooled Liquid Nitrogen for Small HTS Magnets. <i>IEEE Transactions on Applied Superconductivity</i> , 2008 , 18, 1479-1482 | 1.8 | 6 |

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| 33 | Comparison of Surface Flashover Characteristics of Rod and Rib Type Post Insulator for Extra-High Voltage Superconducting Fault Current Limiter. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5 | 1.8 | 5 |
| 32 | Analysis of Transient Behavior of Mixed High Voltage DC Transmission Line Under Lightning Strikes. <i>IEEE Access</i> , 2019 , 7, 7194-7205 | 3.5 | 5 |
| 31 | Comparison Between PD Inception Voltage and BD Voltage of PPLP in LN_2 Considering HTS Cable Insulation. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 5402104-5402104 | 1.8 | 5 |
| 30 | Experimental and Analytical Study on DC Breakdown Characteristics of Butt Gap Condition in LN_2/PPLP Composite System. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 5401604-5401604 | 1.8 | 5 |
| 29 | Consideration of the Insulation Design Method on a 200 kV Converter Valve Unit in an HVDC Converter Hall. <i>Energies</i> , 2021 , 14, 2296 | 3.1 | 5 |
| 28 | Evaluation of Electric Field and Space Charge Dynamics in Dielectric under DC Voltage with Superimposed Switching Impulse. <i>Energies</i> , 2019 , 12, 1836 | 3.1 | 4 |
| 27 | Comparison of DC and AC Surface Breakdown Characteristics of GFRP and Epoxy Nanocomposites in Liquid Nitrogen. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-4 | 1.8 | 4 |
| 26 | Parameter identification of dc black-box arc model using non-linear least squares. <i>Journal of Engineering</i> , 2019 , 2019, 2202-2206 | 0.7 | 4 |
| 25 | Assessment of Appropriate MMC Topology Considering DC Fault Handling Performance of Fault Protection Devices. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1834 | 2.6 | 4 |
| 24 | Accurate Evaluation of Steady-State Sheath Voltage and Current in HVDC Cable Using Electromagnetic Transient Simulation. <i>Energies</i> , 2019 , 12, 4161 | 3.1 | 3 |
| 23 | Correlation between Partial Discharge Inception Voltage and Breakdown Voltage Characteristics of Butt-gap in HVDC Mass Impregnated PPLP Cable 2018 , | | 3 |
| 22 | Characteristics of Gel Time and Dielectric Strength of Epoxy Composite According to the Mixing Ratio of Micro-Fillers. <i>Energies</i> , 2020 , 13, 5165 | 3.1 | 2 |
| 21 | Novel Diagnostic Method of DC Void Discharge in High Temperature Superconducting Cable Based on Pulse Sequence Analysis. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5 | 1.8 | 2 |
| 20 | Real-Time Monitoring of the Vacuum Degree Based on the Partial Discharge and an Insulation Supplement Design for a Distribution Class Vacuum Interrupter. <i>Energies</i> , 2021 , 14, 7891 | 3.1 | 2 |
| 19 | The Analysis of Low-Voltage DC Arc behavior on Three Interrupting Phases Based on AC Black-box Arc model 2019 , | | 2 |
| 18 | Investigation of Arc Behavior in HVDC LC Resonance Circuit Breaker Using Flexible Pulsed DC-Source 2018 , | | 2 |
| 17 | Surface Flashover Characteristics of PPLP According to Its Orientation in Cryogenic Environment. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5 | 1.8 | 2 |
| 16 | Influence of Placement of Overhead Ground Wires on Steady State Induction in AC-DC Hybrid Transmission Corridor. <i>IEEE Transactions on Power Delivery</i> , 2018 , 33, 2999-3008 | 4.3 | 2 |

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| 15 | Simulation of DC Electric Fields on the Layer Structure of PPLP for Butt-Gap Conditions in HVDC MI-PPLP Cable. <i>Journal of Electrical Engineering and Technology</i> , 2019 , 14, 1335-1345 | 1.4 | 1 |
| 14 | Surface Flashover Characteristics of Ribbed Insulator in Cryogenic Environment. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-6 | 1.8 | 1 |
| 13 | Numerical Analysis of Space Charge Behavior and Transient Electric Field under Polarity Reversal of HVDC Extruded Cable. <i>Energies</i> , 2020 , 13, 2845 | 3.1 | 1 |
| 12 | Experimental Assessment on Air Clearance of Multiple Valve Unit Considering Switching Impulse and DC Superimposed Switching Impulse. <i>Energies</i> , 2020 , 13, 2958 | 3.1 | 1 |
| 11 | Determination of Threshold Electric Field for PPLP Specimen in Liquid Nitrogen Based on the Measurement of Electrical Conductivity. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-4 | 1.8 | 1 |
| 10 | Thermal Analysis of PCS for an HTS Pancake Coil in Persistent Current Mode. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 1009-1012 | 1.8 | 1 |
| 9 | Calculation Method of Allowable Continuous Current for Direct Burial Laying HVDC Underground Cable. <i>Energies</i> , 2021 , 14, 6431 | 3.1 | 1 |
| 8 | A Novel Diagnosis Method for Void Defects in HVDC Mass-Impregnated PPLP Cable Based on Partial Discharge Measurement. <i>Energies</i> , 2021 , 14, 2052 | 3.1 | 1 |
| 7 | Time-Dependent Electric Field Distribution during Load Cycle Test for HVDC MI Cable 2018 , | | 1 |
| 6 | Comparison of AC and DC Partial Discharge by Monitoring of Vacuum Degree in a Distribution Class Vacuum Interrupter. <i>IEEE Access</i> , 2022 , 1-1 | 3.5 | 1 |
| 5 | A Study of Fast Front Transients of an HVDC Mixed Transmission Line Exposed to Bipolar Lightning Strokes. <i>Energies</i> , 2021 , 14, 2896 | 3.1 | 0 |
| 4 | Evaluation of the Reliability of Insulating Gases for the Bushing in Cryogenic Environment. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 7700704-7700704 | 1.8 | |
| 3 | Assessment of Thermal and Electric Field Characteristics of HVDC Cable According to the Inner Filler Size of XLPE. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 27-37 | 0.2 | |
| 2 | Evaluation of Selection Criteria for the Level of Liquid Nitrogen in HTS Magnet System. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1 | 1.8 | |
| 1 | Surface Dielectric Characteristics of GFRP and PTFE in Cryogenic Environment under the Switching Impulse Superimposed on DC Voltage. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1 | 1.8 | |