附件1 2023年直流输电与电力电子专委会学术年会拟录用文章

编号	名称
1	±500 kV金中直流输电线路地线断股原因分析及治理措施研究
2	±525 kV交联聚乙烯绝缘超高压直流海底电缆与陆地电缆输电系统预鉴定试验
3	±800kV楚雄换流站阀冷却系统主循环泵电机异常发热分析与改进
4	±800kV昆柳龙直流输电工程直流线路故障重启技术分析
5	±800kV特高压多端混合直流换流器投退策略分析
6	900mm^{2}导线重覆冰区不平衡张力计算与分析
7	GIS水平布置绝缘子充气过程的仿真分析
8	IGBT模块端子超声焊接连接强度影响因素研究
9	MMC_HVDC 换流阀功率模块IGBT结温在线监测技术研究
10	MMC-HVDC联接变压器励磁涌流机理及抑制方法研究
11	Pin针超声焊接技术研究
12	WAPI安全无线专网在特高压换流站的应用
13	ZFW52-550型GIS断路器液压机构频繁打压分析及运维措施优化
14	半桥子模块旁路晶闸管受快速瞬态过电压损坏机理及抑制
15	背靠背直流换流站无功功率平衡策略及优化研究
16	边缘计算在新能源行业的应用浅析
17	不同温度下航空线缆的局部放电特性
18	超、特高压直流输电工程用穿墙套管悬吊方式下局部放电测量关键技术的研究
19	大吨位悬式绝缘子更换装置模型设计及应用

20		大规模风电场站并网对交流侧保护影响分析
21		大规模光伏汇集与送出三端口电能路由器
22		大跨度阀厅网架结构抗风性能数值仿真
23		大容量中压直挂直流电源拓扑
24		单脉冲触发技术在晶闸管阀测试上的应用研究
25		地线融冰接线装置可靠性提升及覆冰在线监测装置故障诊断关键技术研究及应用
26		地震作用下支柱类电气设备随机动力学响应分析
27		电力电子变压器用环氧树脂的高频耐电特性与绝缘失效表征
28		多机并联并网逆变器系统环流稳定性分析
29		多相交错LLC谐振变换器的均流性能改善方法：拓扑推演和参数设计
30		多直流互联异步电网的闭锁后稳态频率快速评估方法
31		二极管箝位型五电平变换器直流母线电容均压控制策略
32		飞机燃料电池/锂电池混合供电系统分散式能量管理策略
33		分布式新能源发电短路电流计算的探讨
34		改进YOLOv5算法下的输电线路防震锤隐患目标检测研究
35		干式套管芯体复合材料的机械损伤性能研究
36		高频隔离型单相单级式AC/DC变换技术综述
37		高频脉冲电压下电力电子变压器绝缘耐压特性与多元建模
38		高压直流输电换流站选相合闸装置工作原理与定值整定分析
39		高压直流输电系统换流阀阻尼吸收电容器国产化研制
40		构网型逆变器低电压穿越动态限流策略研究

41		光伏和电动汽车自趋优调度策略研究
42		光控断路器的实现及展望
43		广域互联电力系统多时滞鲁棒稳定改进判据
44		海底充油电缆绝缘介质回收装置研究及效果验证
45		海上风电场对称双极换流站电气关键技术研究
46		海上风电柔直送出系统用改进型混合式直流耗能装置
47		航空燃料电池/锂电池混合供电系统的分散式鲁棒滑模复合控制
48		换流站换流阀局部放电原因分析及处理措施
49		换流站近区运行方式对谐波影响分析研究
50		基于EMD-KPCA-BiLSTM的平面变压器可靠性分析方法
51		基于ICEPAK仿真IGBT芯片结温与提升极限利用率探究
52		基于MMC的超高压柔性直流输电控制系统设计
53		基于RF433技术的新型输电线路覆冰在线监测系统研究
54		基于Wide & Deep-LSTM光伏出力短期预测
55		基于YOLOv4与DeepLabv3+网络的智能电动汽车道路目标检测与区域分割算法研究
56		基于车辆性能的设备运输道路通行能力分析
57		基于低延时无线通信的分层广域保护方案研究
58		基于多源换相换流器的直流输电技术
59		基于二极管整流的海上风电柔性直流送出系统启动研究
60		基于改进Mel频率倒谱系数的直流电缆局放故障声测方法
61		基于改进支持向量机的电力物联网入侵检测方法

62	基于晶闸管控制电压源的强迫谐振型机械式直流断路器研究
63	基于扰动观测器的并网逆变器输出电流质量优化方法研究
64	基于实例分割与人体姿态估计理论的电力巡检场景人-物交互行为检测方法的研究
65	基于图像识别的电能表现场校验辅助工具设计与开发
66	基于无源控制的直流微网Boost变换器控制器设计
67	基于线路电容的大容量线间直流潮流控制器
68	计及可观测性和通信约束的输电线路在线监测优化部署方法
69	计及系统级控制的VSC-MTDC概率潮流计算
70	箭载脉冲负载混合供电系统容量协同优化配置
71	交流、直流和单极性方波下高压功率模块封装绝缘特性
72	胶浸纸穿墙套管电容芯体悬臂负荷下的绝缘性能研究
73	考虑复用最大化的随机电磁暂态仿真分块编码方法
74	考虑交流电压控制的三相并网逆变器频率耦合特性建模及稳定性分析
75	考虑系统噪声与背景谐波的注入式谐波阻抗测量方法
76	昆柳龙柔性直流输电工程±800kV高端阀侧套管高压试验技术的研究
77	昆柳龙直流工程送端站阀基电子设备电气结构及控制逻辑的研究与分析
78	两端常规直流与三端常规直流控制保护系统差异性研究
79	面向大型新能源基地外送的直流输电工程规划阶段直流损耗计算方法研究
80	面向高海拔地区换流站运维的人机耦合助力辅助优化研究
81	面向海上风电的基于晶闸管的经济型直流耗能装置
82	面向移动终端的视频图像模糊特征提取仿真

83		抛石保护段海底电缆故障维修覆盖物射流清理技术研究
84		弱电网下模块化多电平矩阵变换器q轴电压前馈控制策略
85		弱电网下永磁直驱风机低频发电系统阻抗重塑策略研究
86		三端混合直流输电系统无功调节策略研究
87		三端直流输电系统下功率调制策略简析
88		三相单级隔离型AC/DC变换器及箝位电路分析
89		三维合成孔径声呐在海上风电海底电缆埋深探测测技术研究
90		失超保护系统混合式直流断路器换流方案研究
91		输电线路更换倒V悬垂绝缘子串轻量化作业方法研究
92		数据拟合分析的输电线路弧垂温度简化换算方法研究
93		数字电网中基于智能传感技术的人工智能算法应用于输电线路的研究
94		双断点桥式直流接触器电弧开断特性的实验研究
95		四管Buck-Boost变换器ZVS差异化控制研究
96		四开关三电平半桥LLC变换器的控制策略与效率优化
97		塔基区域花岗岩残积土抗剪强度试验研究
98		探索输电线路数据可视化优化运维策略方案
99		特高压输电系统基于5G通信技术的应用
100		特高压直流逆变站电压测量故障特性分析及预测算法研究
101		特高压直流输电系统无功控制策略异常分析及优化
102		天广直流过电压保护异常动作事件分析与优化
103		限流器作用下距离保护与反时限过流保护的最优协调配合方法

104	新东直流输电工程测量故障对控制保护系统影响的分析
105	新型带电作业架空地线多功能滑车的研究与应用
106	信息共享视角下的模块化串并联系统分布式控制
107	一次耐张线夹压接缺陷原因分析及防范措施研究
108	一起500kV HGIS断路器内部绝缘击穿放电原因分析
109	一起500kV输电线路钢化玻璃绝缘子异常自爆原因分析
110	一起漏磁引起的融冰变压器内部发热故障及处理
111	一种基于ZCS的复合谐振型直流断路器
112	一种基于间断Galerkin方法的直流配电系统随机电磁暂态仿真算法
113	一种考虑噪声源阻抗的EMI滤波器优化设计方法
114	一种适用于新能源中压直流汇集的宽范围输入中频DC/DC变换器
115	一种直流微网的宽频段混合虚拟电容控制策略
116	异步电机离散变频重载最佳触发角软起动优化
117	异步联网工程常规直流系统换流阀直流电流断流原因现象分析与处理优化方案研究
118	抑制AC/DC输出低频电压纹波的RDCX变换器控制与设计
119	用于压接型器件的非接触式电压电流集成测量方法
120	油色谱在线监测数据异常值分析及修正方法研究
121	云贵互联工程电流控制策略分析
122	云贵互联工程电流限制及过负荷功能研究
123	云贵互联工程三站协调电流限制功能研究
124	云南异步联网工程柔直换流阀可靠性研究

125	直流配电系统附加虚拟惯性控制阻尼增强特性分析及协同配置
126	直流配电系统阻抗测量扰动注入装置及其控制策略设计
127	A Broadband Oscillation Source Location Method Based on Lstm Variational Autoencoder and Graph Convolutional Neural Network
128	A Chance-constrained Power Optimization Method for MTDC Considering PV and Load Uncertainties
129	A Coordinated Frequency Control of LCC-HVDC for Quasi-Synchronous Operation of Asynchronously Interconnected Power Systems
130	A Distributionally Robust Optimization Method for Power Distribution of AC/DC Parallel Transmission Channels with High Proportion of Renewable Energy
131	A flexible configuration design scheme for stability strategy via visual configuration tool
132	A Restoration Model for AC/DC Distribution Network Based on Multi-mode Flexible Interconnection
133	A Solution Method of ILL-conditioned Matrix in Electromagentic Transient Simulation Based on Regularization Algorithm
134	A SVPWM Method for Improving the Zero Crossing Distortion of Vienna Rectifier
135	Adaptive Fault Current Limiting Strategy for Flexible DC Power Grids Based on Deep Neural Networks
136	An isolated FSBB Control Strategy for Indirectly Regulating the Minimum Excitation Inductance Current
137	Analysis of An Abnormal Power Transfer Fault in ±800kV Multi-terminal flexible DC transmission system
138	Analysis of Key Influencing Factors on AC/DC Impedance of MMC Based on Sobol Impedance Sensitivity Method
139	Analysis of Multiplex Rectifier Circuits Based on Offshore Wind Farm Diode Rectifier Unit Integration Schemes
140	Analysis of the Causes and Countermeasures of Ice Melting Faults in Ordinary Ground Lines of 500kV Transmission Lines
141	Analysis of the Discharge Characteristics of the Grading Ring at the End of the Wall Bushing inHigh-altitude Areas
142	Analysis of the Results of Two Algorithms Based on Satellite Monitoring Wildfires
143	Analysis to Optimization Strategy of Critical Energy Storage Configuration in Different Scenarios with Zero Waste Rate of Photovoltaic Power
144	Application of Embedded Video and Image Recognition Technology in Intelligent Monitoring of Overhead Transmission Lines
145	Black Start Strategy of Grid-forming CIGs Supplying Passive Island Grids

146	Brief Discussion on the Impact of Ice Covering on High-voltage Transmission Lines
147	Calculation Method of Closed-loop Current in Distribution Network Based on Improved Cumulant Method
148	Cause Analysis and Anti-vibration Performance Study of Gas Relay in the Process of No-load Closing of Converter Transformer
149	Comparative Analysis of the Mutual Conversion Process of Ground Return and Metallic Return of Multi-terminal Hybrid VSD-HVDC and LCC-HVDC
150	Design and Implementation of Magnetically Controlled Oscillating DC Circuit Breaker Controller Based on FPGA
151	Design of Transient Reactive Power Control Strategy for VSC-HVDC in Mult-DC Feed-in Trategy for VSC-HVDC in Mult-DC Feed-in Grid
152	Design Optimization of Offshore Wind Farm Layout Based on Game Theory
153	Development of coaxial discharge multi-output pulse trigger with fast rise time based on high voltage silicon reactor rectifier energy storage
154	Effect of Duty Cycle on Partial Discharge Characteristics of Insulation in Power Electronic Transformers
155	Electric Field Distribution Characteristics of Submarine Cable Melting Joint under Switching Overvoltage
156	Embedded DC Transmission Technology and Its Application in Jiangsu Power Grid
157	En-Design and Development of an Auxiliary Tool for On-site Calibration of Electricity Meters Based on Image Recognition
158	Fault Analysis of Reactor Based on Vibration Signals
159	FEW-SHOT Image Generation Method for Power Defect Scene
160	Finite Element Based Modal Analysis of Transformers
161	Four-switch Buck-boost Converter Based on Model Predictive Control with Graphical Programming Method
162	Hybrid Energy Storage Capacity Optimization and Counfiguration Method for Microgrids in the New Energy Internet Environment
163	Impacts of Low Frequency Side Operation Frequency on M3C Submodule Capacitance Values
164	Impedance Modeling and Shaping Method of Offshore Wind Farm Integration Through MMC-HVDC with Zero-equence Circulation Control
165	Impedance Reshaping Strategy of PMSG-based Wind Power Generation System with Weak Grid
166	Influences of Low Temperature on Luminous Characteristics of Positive Streamer in Air

167	Long-term DC Arc Test Design and Result Analysis of DC High Speed Switch for Multi-terminal DC
168	Mechanism Research on Oscillatory Switching of AC Filter Based on Weak AC System
169	Modeling of Impedance External Characteristics of DC Impedance Adapter and Its Adaptive Simulation Strategy
170	Multi-Objective Fault Reconfiguration Plan of Power Network Considering Soft Open Point
171	Operating Characteristics and Artificial Short Circuit Test of Cascaded Full Bridge Hybrid DC Circuit Breaker
172	Optimal Layout of Offshore Wind Farm Clusters: A Three-Stage Game Model with Priori Coalition
173	Optimization Method for Transformer Maintenance Considering Node Importance of Power Grid
174	Optimization of Arm Overcurrent Protection in Valve Control Device for VSC-UHVDC Transmission System
175	Optimization of DC Atation Controlredundancy Test for Yunnan-Guizhou Interconnection
176	Optimization of The Coordination Between Automatic Busbar Transfer and Valve Cooling Main Pump Switching in the Yungui Interconnection Channel Project
177	Prevention and Control Strategy for Commutation Failure in UHVDC Hierarchical Connection Systems Based on Harmonic Voltage Coordination
178	Research and Application of CNN-Based Transmission Line Hazard Identification Technology
179	Research and Application of Defect Reconstruction Method for Ultra-high Voltage Composite Insulators Based on Thermal Imaging Technology
180	Research on Grid-connected Photovoltaic Technology with Double Closed-loop Control Based on Zero-sequence Voltage Injection
181	Research on Ground Wire Ice Melting Technology of High-voltage Transmission Line
182	Research on Harmonic Impedance Characteristics of Doubly-fed Induction Generator
183	Research on Harmonic Transmission Characteristics of AC Power Grid
184	Research on Insulation Coordination of LCC-DC De-icing Device
185	Research on Large-capacity Medium-voltaged Fast-break Technology
186	Research on Overvoltage Withstand Level of Ultra-high Voltage Submarine Cable Flexible Joints
187	Research on Polygonal Harmonic Impedance Boundary Model for AC System and Resonant Impedance Calculation Method

188	Research on Simplified Calculation Method of Sag-temperature of Transmission Line Based on Data Drive
189	Research on the Application of Visible Light Modeling Technology in Automatic Driving of Transmission Lines
190	Research on the State Evaluation Method of C1 Capacitor of HVDC Filter Based on Fuzzy Algorithm
191	Risk assessment and energized treatment of main material deformation of tension-resistant corner towers in ±500kV DC lines
192	Robotic Arm and Its Control System for Replacing Bushing of Converter Transformers
193	Simulation Analysis and Experimental Verification of key performance of ±800kV DC High Speed switch for Multi-terminal DC
194	Simulation Research on Primary Frequency Regulation Coordination Control Strategy of Hybrid Wind-PV-ES Power Station Based on AGC
195	Starting Optimization of Optimal Trigger Angle for Asynchronous Motor with Discrete Variable Frequency Under Large Load
196	Strengthening Communication Security in Power LAN Based on Situation Awareness Intelligent System
197	Study on Insulation Performance of RIP Wall Bushing Capacitor Core under Cantilever Load
198	Study on Mechanical Damage Properties of Dry Bushing Core Composites
199	Study on the Grid Connection Characteristics of Multi-terminal New Energy System
200	Systematic Intelligent Analysis Tools and Practices for The Management and Control of Power Grid Transmission Channels under the Background of Big Data
201	Technical and Economical Comparison of 2GW Offshore Wind Power Plant Transmitted by Symmetrical Monopole and Symmetrical Bipolar VSC-HVDC System
202	The Influence of Sanpling Frequency on Traveling-wave Protection for Multi-Terminal Hybrid HVDC
203	The Role Analysis of dc-side Active Damping Control on VSC Grid-connection
204	Transient Voltage Stability Assessment Based on Focal Loss Convolution Autoencoder
205	Transmission Line Multi feature Data Fusion Based on Depth Self Encoder