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1306	Comparison of Arc Characteristics between 2/4 Coil-type AMF Contact and 3/4 Coil-type AMF Contact	Zhao, Xiaomin;Tan, Shengwu;Zhang, Qifeng;Ma, Hui;Wang, Zihan;Geng, Yingsan;Bi, Yinghua	IEEE
1307	Cr and Mo Cathode Spots Distribution Characteristics with External Axial Magnetic Field	Li, Qiming;Ma, Hui;Liu, Zhiyuan;Wang, Jianhua;Peng, Jing;Li, Rui	IEEE
1308	Optimization of Axial Magnetic Field Characteristics of Slotted Horseshoe Type Contacts for 126 kV Vacuum Interrupters	Zhong, Jianying;Bi, Yinghua;Li, Qiming;Geng, Yingsan;Wang, Jianhua;Liu, Zhiyuan;Guo, Yujing	IEEE
1309	Influence of Residual Transvers Magnetic Field on Sheath Expansion Process in Vacuum Interruption	Hu, Feiliang;Liu, Shaowei;Liu, Feng;Ma, Hui;Liu, Zhiyuan;Geng, Yingsan;Peng, Jing;Chen, Xi	IEEE

1311	Study on the Typical Optical Emission Spectrograms of AC Arc Discharge over the Polluted Insulation Surface	Tan, Shengwu;Wang, Pengchao;Zhao, Junping;Yang, Hao;Wen, Ran	IEEE
1313	Calculation and Analysis of Heat Dissipation Performance of Welded IGBT Device	Li, Tianwei;Liu, Lei;Luo, Bing	IEEE
1314	Research on Propagation Characteristics of Partial Discharge Signal in Cable Joint Based on CST	Zhao, Faqiang;Liu, Ying;Lai, Hanke	IEEE
1317	AC Equivalent Parameters Identification of Nonlinear Dielectric Properties of PESiC Composites Based on Genetic Algorithm	Chen, Guanyu;Sun, Yunlong;Hu, Jianyu;Li, Zhonghua	IEEE
1319	Study on FDS Characteristics of Oil-Paper Insulation under Repeated Switching Impulse Voltage	Guo, Chong;Zhang, Qiaogen;Zhang, Rui;Ni, Heli;Wen, Tao;Jin, Mingkai	IEEE
1322	Nanocomposites Based on Magnesium-oxide/ Aluminum- Nitride/Polypropylene for HVDC Cable insulation	Lin, Xiaosi;Wah Hoon, Siew;Given, Martin;Liggat, John;He, Jinliang	IEEE
1323	Analysis of Ultraviolet Characteristics of Partial Discharge for Insulators	Ma, Danrui;Gao, Kai;Jin, Haifeng;Jiang, Tao;Lin, Yongle;Jin, Lijun	IEEE
1324	Effect of Molecular Structure Modification on Surface Discharge between Polypropylene and Silicone Rubber	Lingying Chen, Panfeng Shang, Guangke Xu, Xing Li, Fuqiang Zhao, Andong Wang	IEEE
1327	Continuous Disinfection of Fusarium oxysporum in Nutrient Solution by Pulsed Electric Field	Chen, Ran;Zhang, Di;Zhu, Ninghui;Liu, Chengcheng;Novac, Bucur;Zhong, Chongshan	IEEE
1328	Autonomous Diagnosis of Overheating Defects in Cable Accessories Based on Faster RCNN and Mean-Shift Algorithm	Xu, Xiaobing;Zhou, Chengke;Zhou, Wenjun;Liao, Yanqun;Wei, Yilong;Yuan, Jing	IEEE
1330	Research on Vibration Measurement Method and Analysis of Air-core Reactor	Xiao, Yao;Cao, Jianan;Xiong, Xin;Zhu, Lingyu;Ji, Shengchang	IEEE
1331	Dielectric Strength of Ethylene Propylene Rubber under Thermal and Mechanical Stress	Liu, Yang;Men, Rujia;Tian, Muqin;Wang, Ye;Han, Kunying;Lei, Zhipeng;Li, Chuanyang	IEEE
1333	Safety analysis of live working on 35kV line in high altitude area	XIE, Longguang;CHEN, Yongxiang;WANG, Lei;TANG, Pan	IEEE
1334	Preparation of HF Gas Reference Material for Fault Diagnosis of SF6 Electrical Equipment	Miao, Yulong;Yao, Qiang;Wang, Yanwu;Hu, Shuguo;He, Shukai;Hou, Yushan;Wang, Defa;Zhao, Jie	IEEE

1336	An Improved PEA System for Space Charge Measurement under AC/DC Voltage superimposed Impulse Voltage	Liu, Shuai;Shu, Zihang;Liu, Yuan;Chen, Feipeng;Wang, Huanan;Wang, Xia	IEEE
1337	Space Charge Characterization in Insulating Materials used in Aircraft Cables	Benyoucef, Amin;Berquez, Laurent;Teysse, Gilbert;Aubert, Eddy	IEEE
1338	An on-line cable insulation monitoring method by injecting a signal into power grid	Zhu, Guangya;Zhou, Kai;Xi, Hang;Li Zerui	IEEE
10105	Study on pyrolysis characteristics of high voltage power cable Polyvinyl chloride outer sheath based on Fourier transform infrared spectrometer	Wei, Gang;Bai, Yichun;Cao, Zhengqin;Zhang, Haiyan;Xiong, Gang;Deng, Xudong	IEEE
10109	An Investigation of Harmless Treatment of SF6 Adsorbent for Gas Insulated Equipment	Xiong, Hao;Li, Wenjiang;Wei, Gang;Fu, Wei;Hu, Min;Miao, Yulong;Cao, Zhengqin	IEEE
10110	Research on the Deterioration of Electrical Performance of Dropout Fuse	Zhou, Jianke;Wang, Zhen;Gao, Yibo;Kong, Xianguo;Feng, Liang;Lv, Bao;Yu, Shaofeng	IEEE
10120	Comparison analysis of surface charge characteristics and electric field distribution of post insulator with different structures	Wu, Zehua;Tian, Huidong;Jin, Shoufeng;Xie, Zongliang;Gong, Ao;Peng, Zongren	IEEE
10122	Self Reduction Characteristics After Overheated Decomposition of C5F10O	Yao, Qiang;Miao, Yulong;Dai, Liangjun;Zeng, Fuping	IEEE
10123	Over Thermal Decomposition Characteristics of Environmental Insulating Medium C5F10O at Different Concentrations	Miao, Yulong;Wan, Zhaofeng;Zeng, Fuping;Yao, Qiang	IEEE
10124	Microcosmic Mechanism Analysis of Insulation Pressboard Thermally Aged in Mineral Oil and Ester Oils	Gao, Chenyu;Hao, Jian;Chen, Xin;Jian, Zheng;Hao, Wen;Zhu, Taiyun	IEEE
10126	Electrical and material test of 200 kV HVDC XLPE cables after operating for 5 years	Li, Naiyi;Cao, Junping;Chen, Jun;Wang, Zhenguang;Shen, Peiqi;Zhou, Luyao	IEEE
10128	Calibration of the Sensitivity of UHF Partial Discharge Detection Systems Based on Standard Device-monoconical TEM Cell	Wang, Yifan;Gong, Jinlong;Wang, Yifan;Luo, Li;Wu, Xuyang;Zhou, Xun	IEEE
10129	Relative Importance of Charging Mechanisms of Airborne Suspended Particles around HVDC Lines	He, Kun;Ma, Xiaoqian;Lu, Jiayu	IEEE
10136	10kV Compensating Voltage Regulator for Reducing Carbon Brush Current and Its Application	Zhang, Xinghai;Jiang, Wei	IEEE

10138	The Influence of Surface UV-Coating on Electric Field Distribution and Flashover Voltage of Epoxy/Alumina Spacers	Jiang, Zhi-hui;Wang, Chao;Li, Wen-dong;Yang, Xiong;Guo, Wang;Chen, Ming-Yu;Zhang, Guan-Jun	IEEE
10139	Enhancement in electrical properties of UV-cured resin by establishing H-bonding between Al ₂ O ₃ nanoparticles and acrylate molecular chain	Yang, Xiong;Li, Wendong;Wang, Chao;Jiang, Zhihui;Chen, Mingyu;Zhang, Guanjun	IEEE
10142	Performance Testing and Analysis of HVDC Deep-well Grounding Electrode	Hu, Shangmao;Cai, Hansheng;Zhang, Yi;Liu, Gang;Lei, Jia;Shi, Jian	IEEE
10143	Research on Fault Diagnosis of High Voltage Circuit Breaker Based on Spark Machine Learning	Shan, Xiaoyu;Lv, Yang;Zhao, Yangyang;Ma, Chang;Duan, Xiongying	IEEE
10146	Simulation Analysis on Flow Field and Collision Characteristics of Contaminated Solid Particles on Outdoor Insulators	Dong, Xuejia;Liu, Yong;Kong, Xianghuan;Du, B.X.;Gao, Qun;Gao, Sheng;Sun, Jingsheng	IEEE
10147	A Multiscale Strategy for Surface Breakdown Strength Enhancement of Polymer Insulation by Using UV-cured Technology	Wang, Chao;Jiang, Zhi-Hui;Li, Wen-Dong;Chen, Ming-Yu;Yang, Xiong;Zhang, Guan-Jun	IEEE
10154	Excellent electrical properties of zinc-oxide varistors by tailoring sintering process for optimizing line-arrester configuration	Meng, Pengfei;Cao, Wei;Chen, Chao;Wan, Shuai;Xu, Heng;Hu, Jun;He, Jinliang	IEEE
10169	Effect of Power Cable Corrugated Sheath on Overvoltage	li, yan;liu, yunpeng	IEEE
10170	Optimization Arrangement of Angle Rings in Converter Transformer Valve Winding End Insulation Structure	Zhang, Liangxian;Kong, Xiangyu;Zhang, Shanshan;Zhang, Zhao;Lu, Wen;Zhang, Xiaomei	IEEE
10180	Simulation and Analysis on the Force of Arc Contact of SF ₆ Circuit Breaker under Different Making Speed	Ding, Can;Chen, Tianfan	IEEE
10181	Calculation and optimization of four splitting spacers and fittings in 800kV HVDC-Flexible low voltage valve hall	Cheng, Jianwei;Shi, Ran;Gong, Ao;Wei,Zhang;Guohua,Yang;Zongren,Peng.	IEEE
10190	Calibration of Low-Power-Factor Wattmeters with a Nonsinusoidal Current and Unbalanced Voltage	Wang, Yifan;Gong, Jinlong;Wang, Zun;Ma, Tao;Zhu, Liang;Wang, Shaohc	IEEE
10192	Recent Development of Alternative Gases to SF ₆ for High Voltage Electrical Power Applications	Owens, John;Xiao, Ang;Bonk, Jason;DeLorme, Mike;Zhang, Agnes	IEEE
10194	Effects of Flash Sintering Parameters on Insulation Performance of Ceramic Insulator	Huang, Xingwang;Liu, Yong;Dong, Xuejia;Li, Qiran;Zong, Hongbao;Wang, Xilin;Du, B. X.	IEEE

10197	Study on Influencing Factors of SF6 Decomposition Products Detection Results	Miao, Yulong;Li, Chen;Yao, Qiang;Qiu, Ni;Hou, Yushan;Zeng, Fuping	IEEE
10198	Study on Preparation and Breakdown Performance of Acetylated SEBS/PP	Zhang, Peng;Wang, Xuan;Yang, Jiaming;Zhang, Yongqi	IEEE
10199	Research on the Characteristics of SF6 Decomposition Products in Discharge Conditions	MIAO, Yulong;She, Congdong;YAO, Qiang;Qiu, Ni;Hou, Yushan;Zeng, Fuping	IEEE
10201	Study on Electrical Properties of PE/TiC Nano-composites	Han, Yongsen;Sun, Jian;Chen, GuanYu;Xu, Zihan;Li, Zhonghua	IEEE
10202	An Investigation on Novel Dielectric Phenomenon of Thermochromic RTV Composite: Role of Phase Transition	Yin, Guilai;Gao, Jian;Yang, Kai;Li, Peixuan;Chen, Tian;Yan, Nianping;Zhang, Yu;Li, Jianying	IEEE
10203	Simulation Analysis of Internal Defects in GIS Disconnecter on Electric Field of Pull Rod	Jin, Shoufeng;Cheng jianwei;Tian, Huidong;Xie, Zongliang;Wu, Zehua;Peng, Zongren	IEEE
10204	Effect of decabromodiphenylethane on the properties of epoxy resin under thermo-oxidative ageing	Liu, Yuhao;Lin, Ying;Fan, Haonan;Wang, Liming	IEEE
10205	BREAKDOWN CHARACTERISTICS OF ROD-PLATE ELECTRODE UNDER COMPOSITE AC AND DC VOLTAGE	Li, Changqing;Lu, Tiebing;Zhang, Yuanhang;Bai, Bin;Li, Xiuying	IEEE
10208	Contact Temperature Monitoring and Layout Optimization of Shell Temperature Sensor of 500kV GIS	Miao, Yulong;Li, Chen;Yao, Qiang;Tang, Ju;Zeng, Fuping	IEEE
10209	Effect of DC Electrothermal Aging on Breakdown Strength of Poly (ethylene terephthalate) Used in Laminated Busbar	Xin, Lei;Guo, Men;Zhang, Chuang;Xiang, Jiao;Wang, Shihang;Zhang, Xiaotong;Li, Jianying	IEEE
10210	Surface Corona Aging of Epoxy Resin under Bipolar Square Wave Field with Varied Frequencies	Xiang, Jiao;Cheng, Zhuolin;Zhang, Chuang;Fu, Hang;Xin, Lei;Zhang, Xiaotong;Wang, Shihang;Li, Jianying	IEEE
10215	Finite Element Analysis of Oil-paper Insulation Nonuniform Aging in Transformer	Ji Liu;Lu Li;Mingze Zhang	IEEE
10217	Quality Tests on Field Aged Composite Insulators of Hellenic Electricity Distribution Network	Kokalis, Christos-Christodoulos A.;Kontargyri, Vassiliki T.;Tasakos, Thanos;Gonos, Ioannis F.	IEEE
10218	Influence of UHV DC Transmission Line Arrester on Electric Field Distribution of Composite Insulator	Wan, Shuai;Liu, Zihao;Cao, Wei;Gu, Shanqiang;Liu, Xin;Du, Xuesong	IEEE

10220	Simulation Study on Mechanical Properties of Carbon Fiber Composite Core for UHV Transmission Conductors	Guoli, WANG;Wei, Zeng;Lei, LIU;Fuzeng, ZHANG;Tingting, WANG	IEEE
10221	The Study of Novel Method to Measure Moisture Content in Transformer Oil Based on Terahertz Technology	Wang, Tingting;Yin, Jing;Cheng, Li;Zhang, Fuzeng;Cheng, Zhidong	IEEE
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10235	Analysis and Suggestion on String Breakage Failure of Glass Insulator in 500kV Transmission Line	Chao, Yafeng;Yang, Yi;Zhang, Liu;Xu, Zhiqiang;Yue, Yishi;Liao, Zhenyu	IEEE
10239	Comparative Study on Driving Switching Characteristics of GaN-HEMT and SiC-MOSFET in Transient High Voltage Pulse Discharge Circuit	Chen, Yingying;Du, Jie;Feng, Ling;Xiao, Ji;Zhang, Jiaming;He, Yingjiang	IEEE
10242	Role of Micro-nano Hexagonal Boron Nitride Coordination on Thermal Conductivity and Breakdown Strength of Epoxy Composites	Cheng, Zhuolin;Xiang, Jiao;Zhang, Chuang;Fu, Hang;Xin, Lei;Zhang, Xiaotong;Wang, Shihang;Li, Jianying	IEEE
10243	Influence of surface trap parameters on AC / DC flashover of epoxy resin	Cai, Zhuoli;Li, Mingru;Wang, Weiwang;Min, Daomin;Li, Shengtao;Zhang, Liangxian;Yang, Wei;Chen, Yun;Wang, Kun	IEEE
10244	Application of ϵ -FGM for Optimizing Electric Field Distribution in AC Cable Terminal	Liang, Hucheng;Kurimoto, Muneaki;Li, Jin;Du, Boxue;Wang, Zehua	IEEE
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10251	Electrical Characteristics of Cellulose Pressboard Modified by Nano-TiO ₂ in Mineral and Vegetable Mixed Oil	Liu, Daosheng;Zhao, Yahui;Chen, Xingrong	IEEE
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10253	Electrical Strength of Composite Insulation System for Polyimide Film Based Cellulose Pressboardard	Liu, Daosheng;Chen, Xingrong;Zhao, Yahui	IEEE
10254	Optimization Design of Amorphous Metal Distribution Transformer Based on Improved Fast and Elitist Multi-objective Genetic Algorithm	Liu, Daosheng;Wei, Bokai;Cai, Changwan;Yuan, Wei	IEEE
10255	Damage Mechanism of Carbon Fiber Composites with Fastener after Lightning Strike	DU, Bin;SHI, Yu;LIU, Qian;Yushun ZHAO ;Zhong FU	IEEE
10257	Superposition Effects of Electron Radiation Direction on Dielectric Deep Charging Characteristics of Polyetheretherketone dielectric	Bu, Wen;Wang, Weiwang;Li, Shengtao	IEEE
10261	Compact electric field change meter and its application in lightning detection and fault analysis for power grids	Wang, Yu;Gu, Shanqiang;Fang, Yuhe;Xu, Yuangen;Chen, Yang;Li, Peng	IEEE
10263	Study on PD pattern recognition of power transformer considering external corona interference signal	Miao, Xingshun;Zou, Liang;Song, Zhiping;Wang, Xiaolong;Wang, Junbo;Liu, Bin	IEEE
10264	Enhancing Electrical Properties of XLPE Insulation by Blending Aromatic Voltage Stabilizer	Paramane, Ashish;Dai, Chao;Chen, Xiangrong;Tanaka, Yasuhiro	IEEE
10267	Microstructure characteristics in electrodes of gas discharge tube after erosion	WAN, Yihu;XIANG, Nianwen;CHENG, Lingyun;YANG, Jin;HAN, Congying;ZHANG, Wei	IEEE
10271	Partial Discharge Characteristics of Typical Insulation Defect under AC and Impulse Superimposed Voltage in SF6 Gas	Yang, Jinggang;He, Cong;Ma, Yong;Zhao, Ke;Li, Hongtao;Liu, Yuan;Li, Junhao	IEEE
10273	A Polyimide Diaphragm-Based Extrinsic Optical Fiber Fabry-Perot Acoustic Sensor for the Detection of High-Frequency Ultrasonic Signals in Transformer Oil	Qian, Guochao;Peng, Qingjun;Peng, Hui;Wang, Shuchao;Zhang, Zhixian;Lei, Jiali	IEEE
10274	A Sensitivity-Enhanced Fiber Grating Voltage Sensor Based on Giant Magnetostrictive Material Applied for Voltage Detection	Wang, Shuchao;Yang, Wenlong;Zhou, Quan;Chen, Weigen;Xiong, Yanling;Liu, Fan	IEEE
10275	Research on Lead Insulation Structure of 750kV Auto-transformer	Lu, Wen;Zhang, Xiaomei;Zhang, Shanshan;Zhang, Liangxian;Zhang, Zhao;Kong, Xiangyu	IEEE
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10288	Research on Neutral Voltage Offset and Its Influencing Factors of 20kV Small Resistance Grounding System	ZHOU, YUAN	IEEE
10289	Study on the partial discharge characteristics of epoxy insulation surface after repeated lightning impulses in SF6 gas	He, Cong;Zhang, Xuanrui;Guo, Ruochen;Cai, Jun;Yuan, Wenzhe;Cao, Duoyao;Li, Junhao	IEEE
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10292	Look-Up Table Method of PD Location for UHV Reactor by HF Current Detection	Tang, Zhiguo;Wu, Tong;Li, Jiansheng;Tao, Fengbo	IEEE
10296	Optimal Design of Expansion Chamber of High Voltage Self-Energy SF6 Circuit Breaker Based on Arc Simulation	Zhang, Hao;Zhong, Jianying;Tan, Shengwu;Zuo, Qi;Zhang, Nannan;An, Ying;Wang, Zhijun;Yao, Yongqi;Hao, Xiangyu	IEEE
10297	Research on Fault Diagnosis of Oil-Paper Insulated Bushing Based on Frequency Domain Dielectric Spectrum	Linglong, CAI;Yuhui, JIN;Zhiqin, MA;Danyu, JIANG;Xian, YANG;Xiang, Shu	IEEE
10298	Fault analysis and key manufacturing process control of the epoxy pouring current transformer	Wei, Jufang;Wang, Wei;Feng, Junji;Ma, Hao;Song, Xiaobo	IEEE
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10305	Switching characteristics of the initially unbiased four-layer silicon device operating in impact-ionization mode	Wang, Gan ping;Li, Fei;Jin, Xiao;Song, Fa lun	IEEE
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10309	Novel Spacer with Surface Functional Graded Materials for HVDC GIL	Li, Jin;Yao, Hang;Liang, Hucheng;Chen, Yun;Du, Boxue	IEEE
10313	Effects of Temperature on Surface Charge Behavior of SiC-filled Epoxy Resin under DC Voltage	Chen, Junhong;Xue, Jianyi;Dong, Junhao;Deng, Junbo;Zhang, Guanjun	IEEE
10314	Simulation of the Discharge Regime Transition under Repetitive Nanosecond Pulses in Nitrogen at Atmospheric Pressure	Li, Chenjie;Huang, Zongze;Li, Jiangtao;Zhao, Zheng;Liu, Shuhan	IEEE
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10317	Simulation Research on Partial Discharge at Wedge-shaped Oil Gaps in Oil-paper Insulated under DC Stress	Gong, Wenjie;He, Dongxin;Xue, Zhitong;Zhang, Tao;Liu, Hongshun;Li, Qingquan;Zhang, Han;	IEEE
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10334	Analysis of distribution law of fire gas concentration in underground cable tunnel of Substation	Song, Zhiping;Wang, Xiaolong;Tan, Zhenyu;Miao, Xingshun;Zou, Liang	IEEE
10337	A Comparative Study on Dielectric Properties of Untreated and Surface-modified Natural Ester Based Nanofluids	Koutras, Konstantinos;Pyrgioti, Eleftheria;Naxakis, Ioannis;Peppas, Georgios;Charalampakos, Vassilios;Gonos, Ioannis	IEEE

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10347	Mechanism of SiC Coating on Surface Charge Behavior of Epoxy/alumina Spacers	Dong, Junhao;Xue, Jianyi;Chen, Junhong;Deng, Junbo	IEEE
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10353	The Adsorption of C5F10O on α -Alumina Surface under Electric Field: A DFT Study	Zhang, Ziyue;Deng, Yunkun;Zhang, Boya;Li, Xingwen	IEEE
10354	Analysis of surface damage characteristics through air-gap discharge	Chen, Xi;Pan, Xin;Luo, Gaochao;Jiang, Tianyan;Bi, Maoqiang	IEEE
10356	Evaluation of Aging Characteristics of Composite Insulators Based on Polarization/Depolarization Current Method	Yuan, Zhengkang;Tian, Yi;Huang, Xinbo;Yang, Wenbo;Liu, Chifeng;Ye, Peng	IEEE
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10363	Analysis of Thermal Decomposition Characteristics of C5F10O/CO2 Mixed Insulation Medium	Cui, Zhaoxuan;Lin, Xin;Xu, Jianyuan;Zhong, Jianying;Ma, Fengxiang;Zhang, Youpeng;Zhang, Jia;Yao, Yongqi	IEEE
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10381	Temperature Dependency of Transient Signal Propagation in Underground Power Cables	Wouters, Peter;Tong, Anni;van Deursen, Armand;van der Wielen, Peter;Li, Yan	IEEE
10382	Electrical Tree Characteristics of Isotactic/Syndiotactic Polypropylene Blend Insulation under Repetitive Impulse Voltage	Yang, Wei;Yu, Fan;Xing, Zhaoliang;Zhou, Shuofan;Fan, Mingsheng;Li, Zhonglei;Du, Boxue	IEEE
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10435	DC electrical breakdown of low-density polyethylene nanodielectrics modulated by charge transport and molecular displacement	Li, Qinrong;Min, Daomin;Yan, Chenyu;Wang, Weiwang;Li, Shengtao;Zhang, Guowei;Liu, Jie	IEEE
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10513	Numerical Computation on Cold Dielectric Recovery Characteristics in High Voltage SF6 Circuit Breaker	Wei, Min;Lin, Xin;Zhong, Jianying;Xu, Jianyuan;Yao, Yongqi;Zhang, Jia;Han, Guohui;Song, Yu	IEEE
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10582	Type Identification of GIS Partial Discharge Based on SF6 Decomposition Characteristics under Negative DC Voltage	Yang, Xu;Liu, Yi;Jiang, Yi;Wen, Hao;Zhang, Jing;Chen, Jia	IEEE
10583	State Assessment of GIS Partial Discharge Based on Chemical Analysis Method	Yang, Xu;Liu, Yi;Jiang, Yi;Wen, Hao;Zhang, Jing;Chen, Jia	IEEE
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10667	Application of Model Predictive Control in WPT for Monitoring Devices of Overhead High Voltage Transmission Line	Lianyong Wei; Jun Zou	IEEE
10668	Location of Cable Joints with Moisture in Medium Voltage Distribution Grid Based on Frequency Domain Reflection Method	Li, Rong;Zhou, Kai;Wan, Hang;Xie, Min;Liu, Li;Wang, Xianjin	IEEE
10669	Modification of HVDC GIS/GIL Basin Insulators Based on Electrical and Mechanical Collaborative Design	Zhang, Bo;Zhong, Jianying;Han, Guohui;Zhong, Lisheng;Yao, Yongqi;Wang, Zhijun;Liu, Yapei;Zhang, Hao	IEEE
10672	The Study of Two Models for Power Transformer Winding Deformation	Zheng, Danyang;Cheng, Yangchun;Bi, Jiangang;Chang, Wenzhi;Ding, Guocheng;Sun, Feifei	IEEE
10674	Discharge and Breakdown Characteristics of Water Ingress Defects of Cold Shrink and Heat Shrink Joints of 10kV Power Cable	Li, Xu;Wang, Haoming;Song, Pengxian;wang, wei	IEEE
10675	Optimization Design of GIL Three Post Insulators Based on A Collaborative Expert System	Fusheng Zhou;Chao Gao;Ruodong Huang;Yao Zheng;Weiguo Li;Jinwei Chu;Wanying Liu	IEEE
10676	Research on Fault Transient Characteristics and Arrester Arrangement of Multi-terminal Ring-shaped MVDC Distribution Network	Liu, Shuhan;Li, Jiangtao;Xu, Kaihong	IEEE
10680	Breakdown characteristics of water tree defects under 0.1Hz cosine square wave voltage	wang, wei	IEEE
10683	Simultaneously enhanced dc flashover performance and arc resistance of epoxy insulators by direct fluorination	Huang, Wenbo;Chen, Kang;An, Zhenlian;Wang, Xin;Zheng, Feihu;Zhang, Yewen	IEEE

10684	Analysis of the Inhibition of Different Dendritic Defects in Cables by Silicone Repair fluid	JIANG, Qian;ZHOU, Quan;OUYANG, Xi;CHEN, Minghao;LI, Yong;LUO, Zhenhui	IEEE
10685	Is There Existing A Gaseous Process During The Propagation of Streamer in The Natural Ester?	Chen, Gang;Huang, Zhengyong;Li, Jian;Duan, Yu;Dan, Linyang;He, Jianfeng	IEEE
10687	Study on the Effect of Soil Pore Curvature on Ions Electromigration	Cao, Xiaobin;Li, Tao;Chen, Siqi;Li, Ruifang;Wang, Haiman;Yang, Shisong;He, Yufeng;Gao, Chenxia	IEEE
10688	Effect of direct fluorination on tracking and erosion resistance of liquid silicone rubber	Chen, Tiaotiao;Shen, Zihan;An, Zhenlian;Zheng, Feihu;Zhang, Yewen	IEEE
10689	Research on the Closing Inrush Current and Overvoltage of 750kV AC Filter Breakers	Ma, Feiyue;Chen, Xiaohui;He, Chunying;Zhu, Xiaoguang;Deng, Junbo;Ni, Hui	IEEE
10690	Lightning risk assessment of wind turbines in mountainous areas	Nie, Jiayi;Xiang, Nianwen;Bian, Kai;Huang, Shengxin;Zhang, Shi;Sun, tong;Gu, Jianwei	IEEE
10691	The Advantage of Novel Ceramic Materials for SF6 Insulated Supporting Structure	Lu, Licheng;Zhang, Yi;Yang, Zhuodong;Yang, Xiao;Qi, Bo;Li, Chengrong;Yan, Faqiang	IEEE
10694	Electromagnetic Interference and Protection of Base Station Antenna on On-line Monitoring Equipment on Shared Tower	LIU, Xiangli;GUO, Xinju;LIU, Xingfa;TANG, Bo;ZHANG, Nan;XIAO, Qiaosha	IEEE
10695	Propagation Characteristic of Surface Discharge under AC Application Voltage	Xiang, Zhonghua;Ma, Feiyue;Ni, Hui;Ding, Pei;Chen, Junhong;Deng, Junbo	IEEE
10696	Comparative Study on Dielectric Performance of Thermal Aged Silicone Oil and Mineral Oil	Xiang, Zhonghua;Ding, Pei;Ma, Feiyue;Ni, Hui;He, Chunying;Deng, Junbo	IEEE
10697	Effect of nano-Al ₂ O ₃ and micro-Al(OH) ₃ co-doping on epoxy resin properties	Yu, Shihu;Yu, Xin;Lian, Ze;Wang, Shihang;Nie, Yongjie;Li, Shengtao	IEEE
10699	Suppression of Surface Charge Accumulation on Rough RTV Silicone Rubber	Xu, Wenjie;Li, Jian;Huang, Zhengyong;Wang, Feipeng;Zhao, Jianying	IEEE
10700	Two test methods for obtaining activation energy of epoxy resin and their effectiveness analysis	Tang, Qinghua;Li, Xue;Yan, Wei;Liu, Qiushi;Liu, Honglei;Ren, Peng	IEEE
10701	Study on the Effect of External DC Electric Field on the Distribution of Ions in Solution	Hu, Shihong;Wang, Jie;He, Yufeng;Tang, Ping;Zhu, Jun;Cao, Xiaobin	IEEE

10702	Study on the Reliability of 10kV Uninterrupted Maintenance Interconnection Switchgear under the Condition of Main Device Switching to the back-up Device	Ruan, Wei-cong;Yao, Yuan;Ouyang, Xu-dong;Zeng, Guo-wei;Su, Chao;Xia, Zhu-qing	IEEE
10703	Lifetime prediction and kinetic parameters of thermal decomposition of basin insulator by thermal analysis	Ren, Peng;Liu, Qiushi;Liu, Honglei;Peng, Peng;Zhang, Wei;Li, Qingmin	IEEE
10705	Analysis of Current Carrying Capacity and Temperature Field of Power Cables under Different Laying Modes	Han, Jiarui;Hao, Yifan;Deng, Junbo;Zhang, Guanjun	IEEE
10710	Surface Morphology Evolution of W-Ni-Fe Alloy Electrode Under Repetitive Pulsed Discharges	Wu, Jiawei;Han, Ruoyu;Wang, Manyu;Ding, Weidong	IEEE
10711	Electrical Tree Growth and Its Partial Discharge Pattern in Silicone Rubber under AC Voltages	Zhang, Yunxiao;Zhou, Yuanxiang;Zhang, Ling;Teng, Chenyuan;Hu, Dexiong;Liu, Rui	IEEE
10712	Non-contact Method for Dielectric Response Measurements	Hao, Jing;Xu, Xiangdong;Cheng, Jialu;Taylor, Nathaniel;	EU
10713	Numerical Analysis on a New Type High Power Time-domain Pulse Compression Circuit Topology	Tie, Weihao;Sun, Jing;Fang, Jinyong;Wang, Manyu;Han, Ruoyu	IEEE
10715	Effect of nano-composite repair fluid on electrical tree growth under different conditions in cables	ZHOU, Quan;LI, Yong;JIANG, Qian;AN, Wendou;OUYANG, Xi;LUO, Zhenhui;CHEN, Minghao	IEEE
10716	Research on Three-dimensional Development Simulation Modeling Method of Lightning Channel Based on Simulated Charge Method	Li, Ruifang;Gao, Chenxia;Cao, Xiaobin;Du, Hao;Lin, Zhihao;Li, Tao	IEEE
10717	Numerical Analysis on Leakage Current of Arrester in Distribution Switchgear Under Multi-interference Conditions	Xu, Xiaoling;Shen, Wei;Huang, Hua;Fang, Liteng;Wang, Zhengling;Zheng, Yuesheng;Shu, Shengwen	IEEE
10718	Simulation and Analysis of Radar Echo of Wind Turbine Blades Based on Shooting and Bouncing Ray Technique	Zheng, Xinyi;Tang, Bo;Xie, Huanghai;Liu, Gang;Dai, Chaoyang	IEEE
10720	An ultra-compact 260 MW PFN-Marx generator	Zhang, Haoran;Shu, Ting;Zhang, Zicheng	IEEE
10723	Distribution Characteristics of Surface Charge of Dielectric Barrier Columnar Discharge in Atmospheric Helium	Huang, Zhiming;Hao, Yanpeng;Zhuo, Ran;Fu, Mingli;Jing, Yi;Luo, Yan;Zhu, Wenbo;Yu, Yue;Li, Licheng	IEEE
10724	Effect of surface modification on insulation performance of nanomaterial for HVDC transformer	Ge, Yang;Xiang, Liheng;Li, Yongshuang;He, Rui;Liu, Wenhua;Li, Chengrong	IEEE

10725	Residual Charges on Barrier Surface Revealed by Potential Distribution in a Hybrid Gas-Solid Insulation System	Wang, Yilong;Li, Qionqiong;Shu, Shengwen;Zheng, Yuesheng	IEEE
10726	Noise Reduction of Partial Discharge in Power Cable Insulation Based on Deep Learning	Ding, Bin;Liu, Jingwen;Chen, Jianning;Zhou, Yuanxiang;Wang, Xuewei;Ge, Jiamin	IEEE
10727	Effect of oxygen on the thermal decomposition of eco-friendly gas insulating medium C4F7N-CO2	Zhuo, Ran;Liu, Jing;Fu, Mingli;Jing, Yi;Luo, Yan;Song, Haoyong	IEEE
10728	Current interruption characteristics of C4F7N/CO2 mixture in a load switch	Luo, Yan;Wang, Wei;Zhuo, Ran;Fu, Mingli;Wang, Dibo;Huang, Qingdan	IEEE
10730	Comparative analysis of the mixed performance of two transformer oils in different proportions	Yu, Siming;Yu, Qinxue;Zhang, Chen;Zeng, zekai;Liu, Xuezhong;Zhong, Lisheng;Zheng, Yueyao;Liu, Xingwei;Tao, Hexiang	IEEE
10731	Degree of Polymerization Evaluation of Field Bushing with Near-Infrared Spectroscopy using Radial Basis Function Neural Network	10731	IEEE
10734	Calculation on the Transient Circulating Current of GIS Enclosure Caused by DS Operation Based on the Exponential Reignition Model of SF6 Gas Discharge	Feng, Xiao-tong;Wu, Xi-xiu;Wan, Peng-peng;Zhang, Qi-chao;Feng, Yu;Hou, Hui	IEEE
10736	Correlation Between Molecular Chain Motion and Charge Transport Characteristics in Epoxy/SiO2 Nanocomposites	Hu, Xiangnan;Xing, Zhaoliang;Wang, Shihang;Wang, Jiucheng;Xiang, Jiao;Zhang, Chuang;Li, Jianying;Gao, Jian	IEEE
10743	Study on the influence law of typical soil parameters based on discharge morphology on critical breakdown field strength	Pu, Shizun;Li, Jialun;Li, Hongmei;Liu, Pinglin;Peng, Qingjun;Yuan, Tao	IEEE
10746	Influences of Temperature on Space Charge in Gas-to-Liquid Oil-Impregnated paper	Zhou, Yuanxiang;Huang, Xin;Zhang, Ling;Zhang, Yunxiao;Zhou, Zhongliu;Chen, Tengyuan	IEEE
10749	Simulation and Analysis of Corona Discharge in Insulating Oil from Power Frequency to Very Low Frequency	Zhao, Yunzhou;Zhou, Yuanxiang;Zhou, Zhongliu;Chen, Jianning;Zhang, Yunxiao	IEEE
10752	Accurate Numerical Method for Computing Induced Voltage of GIL	Zhao, Yanpu;Dong, Xuzhu;Du, Zhiye;Yuan, Jiabin	IEEE
10753	Understanding surface charging phenomena on alumina/epoxy spacers with surface conductivity gradient coating	Xue, Jianyi;Dong, Junhao;Chen, Junhong;Deng, Junbo;Zhang, Guan-Jun;Meng, Shaoxin	IEEE
10756	Comparative Study of Electric-thermal-mechanical of ±800kV U-type and Horizontal wall bushing	Huang, kejie;Cheng, jianwei;Wang, shuaibing;Sun, xiaqing;Zhu, junlin;Zhang, wei	IEEE

10757	Analysis of Effect of System Configuration and Parameters on Energization Overvoltage in 330kV Hybrid OHL-Cable System	Lin, Tao;Yu, Peixin;Zhu, Wenbo;Tian, Xinyu;Dou, Jinli;Huang, Chenxi;Zhao, Xuefeng;Duan, Wei;Deng, Junbo	IEEE
10758	Research on Residual Flux Characteristics of Transformer with Single-Phase Four-Limb Core Under Different DC Excitation Current	Wang, Ke;Li, Gang;Zhang, Shuqi;Li, Jinzhong;Liu, Jinyuan;Wu, Xingwang;Yang, Haitao; Hu, Xiao bo	IEEE
10763	Optimal Design of Arc Chamber in High Voltage Circuit Breaker Based on Multi-Physical Field Coupling	Wang, Jia-yi;Xiu, Shi-xin;Jia, Zhi-jie;Ding, Cheng;Yuan, Xia;Long, Zhen-ze	IEEE
10766	Research on the Engineering Application Feasibility of Combined Large Capacity Wall Bushing	Zhao, Linjie;Cheng, Jianwei;Huang, Kejie;Wang, Shuaibing;Zhang, Wei	IEEE
10767	Effect of Paper Type and Water Content in Paper on the Partitioning of 2-FAL between Liquid and Paper Insulations	Matharage, Shanika Yasantha;Wang, Zhongdong;Liu, Qiang;Walker, David	IEEE
10768	Research on Compact Design of Multi-chamber Arc-extinguishing Structure for Lightning Protection	Pu, Shizun;Jia, Wenbin;Li, Hongmei;Peng, Qingjun;Yang, Ronghua;Yuan, Tao	IEEE
10770	Nonparametric approach enhancing ageing assessment of power transformers	Wang, Dongmiao;Wang, Zhongdong;Marshall, Paul;Qi, Qingru	IEEE
10771	Various Dielectric Relaxation and Polarization in Epoxy Resin Dielectric Materials	Xing, Zhaoliang;Zhang, Chong;Li, Pengxin;Cui, Haozhe;Min, Daomin;Li, Shengtao;Wang, Jiucheng	IEEE
10773	Influence of Magnet on Helium Atmospheric Pressure Plasma Jet	Wang, Manyu;Han, Ruoyu;Zhang, Chenyang;Ouyang, Jiting	IEEE
10774	Study on Ionic Wind of Bipolar Corona and Its Sterilization Effect	Liu, Sihan;Han, Ruoyu;Zhang, Chenyang;Wang, Manyu;Zhang, Tongkai;Ouyang, Jiting	IEEE
10775	Temperature Field Simulation of Transformer Based on COMSOL Multiphysics	刘, 刘云鹏;王, 王佳雪;李, 李欢;尹, 尹钧毅;李, 李昕烨;范, 范晓舟	IEEE
10778	Study on Partial Discharge Characteristics in Transformer based on Oscillating Lightning Impulse Voltage Waveforms	Zhang, Xuanrui;He, Cong;Guo, Ruochen;Wang, Qi;Yang, Yun;Pu, Jinyu;Gao, Chao;Li, Junhao	IEEE
10779	Simulation and Characteristic Analysis of Wind Turbine Radar Echo Signal Based on Improved Multipath Model	Dai, Chaoyang;Huang, Li;Tang, Bo;Liu, Gang;Xie, Huanghai	IEEE
10780	Enhanced Energy Storage Performance with High-Temperature Stability of Polyetherimide Nanocomposites	Ren, Lulu;Li, He;Ai, Ding;Zheng, Wenyue;Yang, Lijun;Zhao, Xuotong;Liao, Ruijin;Wang, Qing	IEEE

10782	An electrochemical impedance spectroscopy measurement method based on multi frequency injection	Xu, Guanghao;Guo, Chenxi;Xia, Changjie;Dong, Ming;Ren, Ming;Xie, Jiacheng	IEEE
10786	Analysis of change in ground potential caused by soil discharge channel and the interference on cable	Pu, Shizun;Li, Xiaochuan;Li, Hongmei;Liu, Pinglin;Peng, Qingjun;Yuan, Tao	IEEE
10788	Dielectric Properties of SiO ₂ /MMT/LDPE Micro-nano Composites	Jiang, Hongtao;Zhang, Xiaohong;Gao, Junguo;Guo, Ning	IEEE
10790	Adsorption behavior of SF ₆ decomposed components SO ₂ , SOF ₂ , SO ₂ F ₂ on Rh-doped MoS ₂ monolayer	Zhang, Zhenyu;Li, Yongxiang;Liu, Zhixiang;Chen, Qingsong;Li, Yanpeng;Zhou, Qu	IEEE
10792	Evaluating BDV in Transformer Oil Combined MFU and GRNN	Su, Yang;He, Yunhua;Liu, Minghui;Zhang, Jiming;Shu, Yue;Zhou, Qu	IEEE
10793	Study on the method of suppressing three-phase unbalanced overvoltage in distribution network by photovoltaic system of substation	Wang, Ting;Li, Guanhua;Han, Honggang;Chen, Haoran;Yan, Zheng;Chen, Weidong	IEEE
10795	Simulation calculation and analysis on three-dimensional electrothermal coupling of a new type of current transformer for distribution network	GU, Yu;DONG, Bingbing;ZHANG, Zeling;XIANG, Nianwen;DU, Bin;ZHANG, Zhu	IEEE
10796	The influence of moisture on the insulation performance of epoxy resin impregnated paper	XU, Zuoming;HU, Wei;YIN, Pengbo;XIE, Xiongjie;LUO, Xiaoqing;WAN, Baoquan	IEEE
10797	Probability distribution model of DC basin insulator flashover	Wang, Qiang;Hao, Liucheng;Gao, Yiping;Zhao, Junping;Wang, Yaxiang	IEEE
10798	Fiber-enhanced Raman spectroscopy for simultaneous detection of fault characteristic gases dissolved in transformer oil	Wang, Jianxin;Chen, Weigen;Wang, Pinyi;Zhou, Feng;Xiang, Shiyezi;Peng, Qingjun	IEEE
10799	Surface insulation performance of 3D-printed functionally graded Insulator fabricated by active-mixing fused deposition modeling (AM-FDM)	Li, Wen-Dong;Zhao, Jia-Wei;Chen, Yun;Wei, Yan-Hui;Jiang, Zhi-Hui;Wang, Chao;Lan, Hong-Bo;Deng, Jun-Bo;Zhang, Guan-Jun	IEEE
10800	Simulation on Motion Characteristics of Free Metal Particles in GIS / GIL under Power Frequency Voltage and Vibration Superposition	LV, Yufang;LI, Xiaoang;LI, Jie;SUN, Haochen;WU, Zhicheng;ZHANG, Qiaoge	IEEE
10801	Research on Infrared Image Recognition Method of Power Equipment Based on Deep Learning	Jiang, Anfeng;Yan, Nannan;Shen, Baoguo;Gu, Chunjie;Zhu, Huangru;Huang, Hao	IEEE
10802	A new method of eliminating induction voltage in the wiring circuit of impulse test based on simulation calculation of CDEGS	Zhou, Lingjie;Ruan, Jiangjun;Huang, Daochun;Duan, Shaohui;Zong, Wei	IEEE

10805	Simulation Research on Current Distribution Characteristics of Pole Communication Base Station Based on Varistor Lightning Protection	Li, Qingqing;Yao, Xueling;Sun, Jinru;Li, Tianquan;Wang, Hao;Li, Weikang	IEEE
10806	Effect of Residual Charges on Impulse Withstand Voltage Characteristics of Air-Insulated Gap with a Barrier Inserted	Chen, Shaokang;Kang, Zheng;Wang, Yilong;Shu, Shengwen;Zheng, Yuesheng	IEEE
10809	Dielectric and Thermal Properties of Polylactic Acid/Barium Titanate Composites	Su, Guo-Qiang;Li, Wen-Dong;Liu, He-Jin;Wang, Feng;Liu, Yang;Zhang, Guan-Jun	IEEE
10812	Construction of Reax FF Force Field for SF6 Gas Insulation Medium under Over-thermal Fault	Miao, Yulong;Zhang, Mingxuan;Zeng, Fuping;Tang, Ju;Li, Haotian;Dai, Liangjun;Yao, Qiang	IEEE
10817	Geometrical Design of Ceramic Substrate for High Voltage Power Modules	Yan, Feifei;Wang, Laili;Zhang, Boya;Yu, Longyang;Wang, Kangping;Yang, Tao	IEEE
10818	Numerical Computation of 3D Electromagnetic Heat Current Temperature Field for UHV GIS Basin Insulator	ZHANG, GUOBAO;YANG, WEI;CAI, MENGYI;ZHAO, HENGYANG;ZHU, TAIYUN;YANG, XI	IEEE
10819	Numerical Simulation of the Physical Process of Collision between Wet Snow Particle and Insulator Surface under DC Electric Field	Hu, Yuyao;Zong, Chunyu;Xian, Richang;Zhang, Peng;Yin, Wenliang	IEEE
10820	A Novel Fabry-Perot Sensor Mounted on External Surface of Transformers for Partial Discharge Detection	LIU, Xiao-yu;CHEN, Qi-chao;ZHANG, Wei-chao;ZHAO, Hong	IEEE
10823	The movement process of metal particles in GIS under high pressure	Ran, Haiyan;Tian, Yi;Yuan, Zhengkang;Huang, Xinbo	IEEE
10826	Simulation of mechanical pressure of XLPE-SiR interface in cable joints based on operating temperature and interference parameters	Hu, Hao;Jia, Zhidong;Wang, Xilin;Shi, Zhanglei;Zhang, Chenyang	IEEE
10827	Optimization of permittivity and conductivity distribution in power cable joint insulation with functionally graded material	Zhang, Yi-Fan;Fu, Ming-Li;Luo, Bing;Hui, Bao-Jun;Hou, Shuai;Nie, Yong-Jie;Zhou, Fu-Sheng;Feng, Bin	IEEE
10828	A nonlinear iteration ECT algorithm for the Reconstruction of Permittivity Graded Insulation	Zhang, Yi-Fan;Luo, Bing;Fu, Ming-Li;Nie, Yong-Jie;Zhao, Xian-Ping;Hou, Shuai;Zhuo, Ran	IEEE
10829	A Simulation Research on Diffusion Processes of Discharging Decomposition Products of C4F7N/CO2 in Gas Insulated Transmission Lines	Qiu, Rui;Zhou, Wenjun;Zheng, Yu;Hu, Shizhuo;Li, Han;Yu, Jianhui	IEEE
10830	Stress Field Computation and Analysis for UHV GIS Basin Insulator	YANG, WEI;ZHAO, HENGYANG;ZHANG, GUOBAO;ZHU, TAIYUN;CAI, MENGYI;YANG, XI	IEEE

10833	Research on the control strategy of the tap in the back to back converter station of Heihe	wang, ling;wu, fangjie;ma, yulong;yin, jian	IEEE
10834	Study on Lightning Intrusion Overvoltage of Traction Substation at High Altitude	Zhou, Fangrong;Wang, Xiaotian;Ma, Yi;Peng, Qingjun;Ma, Yutang;Yuan, Tao	IEEE
10835	Corona Discharge Detection and Electric Field Analysis of Bundle Conductor Spacers in 750 kV Substation	Lu, Yu;Wu, Jian;Li, Zhikai;Hu, Ruizhi;Han, Wen;Fan, Chenghu;Wu, Zehua;Liu, Peng;Peng, Zongren	IEEE
10838	Enhanced Thermal Conductivity of Dielectric Polydimethylsiloxane Composites by Size-Controllable Boron Nitride Nanosheets	Zhang, Hongxing;Huang, Xingyi;Jiang, Pingkai	IEEE
10843	Numerical Analysis for Lightning Damage of CFRP Based on its Dynamic Electrical Conductivity	Sun, Jinru;Li, Qingqing;Li, Yafeng;Wang, Ben;Yao, Xueling;Duan, Yugang	IEEE
10845	Partial Discharge Characteristics of Typical Defects of High Voltage DC Cables	Yang, Bin;Wang, Hongyu;Peng, Xiaosheng;Zhou, Hao;Xia, Zhanran;Sun, Changqun;Guo, Haoran	IEEE
10846	Effect of Micronscale and Nanoscale Boron Nitride Fillers on AC Breakdown Performances of Polytetrafluoroethylene	Song, Bingchen;Zhang, Zhaozi;Nie, Yongjie;Li, Qinrong;Li, Pengxin;Yao, Jiachi;Min, Daomin;Zhang, Liangxian;Li, Shengtao	IEEE
10848	Electric Field and Temperature Distribution of High Voltage Cables with the Addition of Particles based on COMSOL Simulation	Xia, Zhanran;Bhatti, Ashfaque Ahmed;Peng, Xiaosheng;Zhou, Hao;Yang, Bin;Zhao, Chang;Xie, Cheng	IEEE
10853	Research on Electrical Properties of Surface-Modified Nano-SiO ₂ /Epoxy Composites	Xie, Zongliang;Li, He;Zhang, Siyu;Gong, Ao;Liu, Peng;Peng, Zongren;Wang, Qing	IEEE
10856	Simulation Analysis of Transient Response of Weathering Angle Steel Tower under Lightning Current Impact	Luo, Yihua;Wang, Shutao;Zhao, Yushun;Wei, Long;Fu, Yufei	IEEE
10857	Design and Implementation of Information Management System of an Electric Material Testing Center	GAO, Yibo;LI, Haihong;KONG, Xianguo;WANG, Xuhui;LIN, Chaofeng;YU, Shaofeng	IEEE
10858	Research on Characteristics of the Pantograph Arc Under the Action of Magnetic Field	Xie, Wenhan;Wu, Guangning;Wei, Wenfu;Yang, Zefeng;Gao, Guoqiang	IEEE
10859	The Effects of Long-term Operation on the Insulation Resistance of Gas Discharge Tubes	Cheng, Lingyun;Xiang, Nianwen;Bian, Kai;Xu, Zongqi;Wang, Litian;Yang, JIn;Wan, Yihu	IEEE
10860	Detection Characteristics and Sensing Mechanism of Metal-doped SnO ₂ -based H ₂ Gas Sensor	Jin, Lingfeng; Zheng, Yiming; Zhao, Lin; Song, Zihao	IEEE

10861	Partial Discharge Detection, Location and Continuous Monitoring in Power Cable by Using Eulerian Video Magnification	Zhu, Chuangxue;Zhao, Wenbin;Lu, Wu;Li, Feng	IEEE
10864	Study on initialization strategy of LCC-HVDC system	Ye, Xiaohui;Zhang, Yantao;Tang, Yong;Lu, Yiming;Lyu, Guangxian;Du, Jian	IEEE
10868	Modelling of High-frequency Electromagnetic Interference in Human Body with Pacemaker Implanted During Transient Process in Power Network	Ding, Ranran;Xiong, Yifei;Lu, Wu;Zhao, Wenbin	IEEE
10875	Development of the 3-D Measurement System of Lightning Transient Magnetic Field Based on Tunneling Magneto-resistive Effect	CHENG, Yongjian;XIANG, Nianwen;DING, Lijian;XU, Zongqi;WANG, Litian;YANG, Jin;ZHANG, Zhu	IEEE
10876	Surface Charge Stability of High Temperature Phosphatized Biaxially Oriented Polypropylene Film	HE, YUSHUANG;WANG, FEIPENG;UMRAN, HAIDER M.;HE, LI;RAN, LI;HUANG, ZHENG YONG;LI, JIAN	IEEE
10877	Transmission-line Return-stroke Model for Lightning Striking to Tall Towers Considering Upward Connecting Leader	Ding, Wenhan;Zhou, Mi;Zheng, Shengquan;Wang, Jianguo;Cai, Li;Li, Quanxin	IEEE
10879	An On-line Insulation Diagnosis Method for Transformer Bushing Based on Frequency Domain Spectroscopy under Transient Voltage Excitation	Li, Yang;Mu, Haibao;Zhao, Haoxiang;Zhang, Lu;Han, Yanhua;Zhang, Guanjun	IEEE
10882	Improved Scheme for Single-Ground Fault Suppression Based on Grounded-Fault Transfer Device	Liu, Hongwen;Wang, Ke;Ran, Jiaquan;Yang, Qing;He, Lewei	IEEE
10883	Transient characteristics of wind turbine grounding system in high soil resistivity area due to lightning strike	LI, Wei;XIANG, Nianwen;BIAN, Kai;ZHANG, Shi;SUN, Tong;WANG, Qiong;CHENG, Lingyun;ZHU, Degui	IEEE
10890	Effect of Wet Condition on the Wear Performance of Carbon Strip and Metal Contact Wire with Electric Current	WANG, Xiao;YANG, Zefeng;GAO, Guoqiang;WANG, Hong;DENG, Lei;WEI, Wenfu	IEEE
10894	The corona space charge distribution of Changji-Guquan ±1100kV UHVDC transmission line within the Thundercloud Electric Field	He, Kun;Gu, Jianwei;Huang, Shengxin;Bian, Kai;Ju, Yong;Chen, Weijiang;Lu, Jiayu	IEEE
10896	Research and Application for Active Detection of Burial Depth on 500kV Ultra-high Voltage Live Submarine Cable	Huang, Xiaowei;Zhang, Weijia;Wu, Cong;Cai, Chi;Li, Xiaojun;Chen, Yikang;Guo, Qiang;Chen, Jun;Cen, Zhenjin	IEEE
10897	Study on the influence of conductor arrangement on the electromagnetic environment of DC transmission line constructed with AC transmission line in the same transmission line corridor	Han, Wen;Yang, Bin;Wang, Lv;Jing, Yan;Wang, Yujia;Wu, Jian	IEEE
10899	Modeling the Inverse Problem of Dielectric Response of Oil-impregnated-paper Insulation	Yang, Feng;Sun, Peng;Wang, Dong;Tang, Chao;Zhou, Qu;Du, Lin	IEEE

10900	Thermal Analysis of the Transformer Bushings Subjected to Harmonic Voltages and Currents	Yang, Feng;Sun, Peng;Wang, Dong;Tang, Chao;Zhou, Qu;Du, Lin	IEEE
10905	Simulation Study on the FDS Characteristics of Non-uniform Dampened Oil-paper Bushing	Zhang, Lu;Han, Yanhua;Zhao, Haoxiang;Zhang, Haotian;Mu, Haibao;Zhang, Guanjun	IEEE
10908	Investigations on thrust-to-power of an ionic wind propulsion	Schichler, Uwe	IEEE
10909	Numerical Simulation of the Interaction Between Nanodielectrics and the Probe of Electrostatic Force Microscopy	Zhang, Ling;Li, Yuhang;Zhou, Yuanxiang;Zhang, Yunxiao;Wu, Wangsong	IEEE
10917	Design and research of the discharge system of the pulse collimator	ZOU, JIAN;ZENG, XIA;ZENG, NAIGONG;JIANG, XINGDONG;ZHANG, TIANJUE	IEEE
10918	Experimental study of pulsed X-ray imaging based on wire load	ZOU, JIAN;ZHENG, XIA;ZENG, NAIGONG;JIANG, XINGDONG;ZHANG, TIANJUE	IEEE
10921	Eddy Current Pulsed Thermography for Steel Corrosion Characterization	Tu, Yanxin;Guo, Chenjun;Wang, Liming;Mei, Hongwei;Liu, Lishuai	IEEE
10924	Simulation of the positive streamer propagation in SF6/N2 mixtures with different content of SF6	Luo, Bin;He, Hengxin;Cheng, Chen;Wu, Yutong;Huang, Yubing;Chen, Weijiang	IEEE
10926	Predicting Critical Conditions in Polluted Insulators Using Phase Angle Index of Leakage Current	Faramarzi Palangar, Mousalreza;Mirzaie, Mohammad	IEEE
10927	Simulation Analysis of the Influence of Snow on the Interface Electric Field for Composite Cross-Arm	Jun Xie; Sigang Zhang; Chaoxuan Xiao,	IEEE
10928	Prediction of Power Transformer Oil Chromatography based on LSTM and RF Model	Abdul wahid, Mahrukh;Lian, GaoXue;bin sohail, Sajeel	IEEE
10935	Study on the mutual influence of commutation failure in MIDC systems	wang, ling;wu, fangjie	IEEE
10936	Molecule Diffusion Behaviors of Waterproof Glue into Silicone Rubber Insulation of Submarine Cable Joints Base on Molecular Dynamic Simulation	Xia, Feng;Zhang, Zhenpeng;Wang, Heyu;Li, Zhonglei;Du, Boxue;Feng, Runan;Zheng, Lin	IEEE
10938	Analysis of Grounding Grids Connection Between Photovoltaic Farm and Its Substation	GE, Aixin;XIE, Dongsheng;SHI, Zhuopeng;YU, Guomei;ZHANG, Xiaohong	IEEE

10942	Contact Resistance and Temperature Distribution of Insulation Piercing Connector with Various Operation Conditions	Sun, Hanlei;Du, Boxue;Li, Haihong;Ke, Dingfang;Ma, Heng;Chen, Qingyin;Li, Jin	IEEE
10943	Application of Infrared Spectroscopy in Oil Quality Detection	Qian Yihua; Wang Yan; Zhao, Yaohong; Fan Shengping; Fu Qiang; Wang Hongmei	IEEE
10945	Simulation and Experimental Study of Switching Transient Process of On-load Tap Changer of Converter Transformer	Bao, Lianwei;Yuan Yao; Lei, Yuanyuan; Zhu Qiang; Zhang Wei; Zhao Linjie.	IEEE
10948	Comparison of XRD analysis and leakage current in Ageing study of high voltageSR insulator with nano fillers.	c, sunandac;m n, dinesh, N Vasudev	IEEE
10949	Simulation of fire spread in underground cable tunnel of substation under different ventilation conditions	Wu, Jingfeng;Sun, Haofei;Gao, Jian;Song, Zhiping;Wang, Xiaolong;Zou, Liang	IEEE
10953	Defects Detection in High Voltage Insulation Pull Rod Based on Ultrasonic Wave Method	Zhao, Renyong;Li, Jin;Chen, Yun;Cui, Boyuan; Yang, Yong; Liu, Fang; Liu, Xulei; Liang, Hucheng;Yao, Hang;Du, Boxue	IEEE
10956	Space Charge Behavior in Cable Insulation under a DC-Superimposed Pulsed Electric Field	Zhang, Tao;He, Dongxin;Meng, Fansong;Li, Qingquan	IEEE
10959	Study on AC/DC Breakdown Strength and Space Charge of Nano-MgO /Polypropylene Composite	Zhe, Li;gehao, Sheng;xiuchen, Jiang	IEEE
10960	Study on Transient Ground Potential Rise under Transient Interference in GIS Yard	Li, Wei;Shen, Wei;Wang, Xixiang;Lei, Lei;Song, Wei;Cao, Yanchuan	IEEE
10968	Development of Partial Discharge and Prediction of Short Term Development Trend of Insulators in GIS	Chang, Wen-Zhi;Du, Fei;Bi, Jian-Gang;Gong, Yan-Peng;Zhang, Xing-Hui;Liu, Hui-Xin	IEEE
10974	No-load Switch-in Transient Process Simulation of 500kV Interface Transformer Used in HVDC Flexible	Yang, Jiahui;Yuan, Yao;Wang, Shuaibing;Bao, Lianwei;Wang, Ren	IEEE
10977	Breakdown Characteristics of Vacuum Gaps with Geometrically Similar Structures under Lightning Impulse Voltage	Li, Xuxu;Zhao, Xiaomin;Shen, Jingyu;Ma, Hui;Geng, Yingsan;Liu, Zhiyuan;Xiao, Xiangwen;Li, Yonglin	IEEE
10978	Impact of Water Permeation on the Dielectric Response of HTV Silicone Rubber	Jiang, Tingyu;Wang, Xiaojie;Wu, Wenbin;Liu, Jun;Zhang, Xinxin;Liang, Xidong;Wang, Qian;Liu, Shuming;Li, Shaohua	IEEE
10982	Simulation of Insulation Electric Field of HVDC XLPE Cable Based on Radial Non-uniform Conductivity Distribution	Ahmed, Muneeb;Zhong*, Lisheng;Li, Fei;Gao, Jinghui;Ren, Haiyang	IEEE

10983	Research on the anti-wind performance of transmission tower and early warning model under typhoon atmosphere	Xiang, Chuyuan;Jia, Zhidong;Shen, Zikui;Zhang, Haofeng	IEEE
10984	Modeling Thermal Distribution of Three-core XLPE Dynamic Cable under Mechanical Loads	JIANG, Lei;FAN, Xiangyu;GAO, Jinghui;ZHONG, Lisheng;PAN, Wenlin;YUAN, Zhenqin;ZHANG, Lei;LI, Juyue	IEEE
10985	Research on online diagnosis method of transformer winding deformation based on correlation mining of operating voltage and current	Han, Rui;Du, Wei;Wang, Wenhao;Li, Feiran;Jiang, Peng;Liu, Shuang	IEEE
10988	Partial discharge denoising method based on double chains quantum genetic algorithm to optimize improved wavelet threshold	Qiao, Mu;Wang, Hongwei;Jiang, Jianping;Li, Chao;Gong, Wenxiu;Li, Qingquan	IEEE
10989	Feature Extraction of PD in Oil-paper Insulation based on Three-Parameter Weibull Distribution	Zhou, Jiawen;Gong, Wenxiu;Li, Qingquan;ZHANG, Hongru;AN, Bin;QIAO, Mu	IEEE
10993	HF Detection System of 1.32 μm DFB Laser and Temperature and Pressure Compensation Experiment	Yao, Qiang;Miao, Yulong;Li, Xintian;Wang, Yanwu;He, ShuKai;Wu, Qianqian	IEEE
10995	Ageing Characteristics of Silicone Rubber Insulation in Cable Joints with Different Service Years	Zhao, Jianjun;Wang, Xingu;Xu, Qingzhong;Zhang, Peng;Li, Xiufeng;Cui, Xijing	IEEE
11004	Effect of Limiting Resistance on Distribution of Breakdown Positions under Lightning Impulse Voltage between Sphere-Plane Electrodes in Vacuum	Ma, Xiangteng;Ma, Hui;Shen, Jingyu;Liu, Zhiyuan;Wang, Xuandong;Peng, Jing;Sun, Mei	IEEE
11005	Study on the Aging Factors and Mechanisms for HTV in Composite Insulators in Hot and Humid Environments	Fang, Su;Xiao, Wei;Zhang, Fuzeng;Wei, Xiaoxing;Chu, Jinwei;Wang, Tingting;Xu, Yongsheng	IEEE
11008	Overload Investigation on Retrofilling Mineral Oil Distribution Transformer with Soybean-Based Natural Ester	Wei, Bin;Wang, Yuan;Ren, Shuangzan;Wang, Ruifeng;Xu, Yang	IEEE
11010	Research on transformer health condition evaluation method based on clustering analysis and dynamic feature extraction	Han, Rui;Wang, Wenhao;Jiang, Peng;Li, Feiran;Liu, Shuang;Liu, Li	IEEE
11011	Finite Element Simulation Study on Wear under Pantograph-Catenary System with Electric Current	Lin, Yongle;Wu, Maoyou;Ju, Xuan;Lin, Wentao;Ma, Danrui;Jin, Lijun	IEEE
11016	Effect of Alkali on Aging Properties of Carbon Fiber Composite Core	Li, Ruihai;Liao, Yongli;Gong, Bo;Shen Chuying;He, Jiqiang;Wang, Qinggong;Qiu, Zhixin;Ni, Wenxuan	IEEE
11019	Research on Serial and Parallel Electromagnetic Transient Simulation Structure	Ye, Xiaohui;Tang, Yong;Lu, Yiming;Lyu, Guangxian;Du, Jian;Tan, Lu	IEEE

11020	Research and application of substation intelligent inspection technology based on multi-spectral image recognition	Han, Rui;Liu, Li;Liu, Shuang;Jiang, Peng;Han, Yifeng;Yang, Zhongguang	IEEE
11023	Improving the Temperature Stability of BaTiO ₃ -based Piezoelectric Sensor	Zhao, Tongxin;Yao, Ruifeng;Wang, Yan;He, Zhixin;Wu, Ming;Gao, Jinghui;Zhong, Lisheng	IEEE
11024	Test and simulation of PT saturation characteristics during single-phase grounding fault recovery of 10kV distribution system	XIE, SHUNTIAN;ZHOU, YUAN;TANG, XIAOJUN; LUO, YI; ZHU, XINDE; ZHANG,YANGFAN	IEEE
11027	Compact High Voltage Direct Current Gas-insulated Systems	RIECHERT, Uwe	IEEE
11030	Kinematic Modeling and Simulation Analysis of Ground Wire Repair Robot for High Voltage Transmission	PENG, Jia-ying;TAO, Hong-fei;YANG, Xiao-feng;NI, Hong-yu;ZHOU, Dong-cheng;YAN, Wen-xu	IEEE
11032	Dielectric Testing of Cable Connection Assembly for Gas- insulated HVDC Systems	Riechert, Uwe;Saltzer, Markus	IEEE
11036	A decoupling method of contactless electric field measurement for railway catenary	Wang, Xin;Zhai, Yantao;Wei, Yonggang;Hao, Changjin;Deng, Changfei	IEEE
11038	Prediction method of transformer top oil temperature based on VMD and GRU neural network	Wang, Kai;Zhang,Hongru,Wang,Xiaoyi,Li, Qingquan	IEEE
11041	External Fault Identification Method of High Voltage Transmission Line Based on Partial Supervision Convolutional Neural Network	Wei, Xianzhe;Zhao, Wenbin;Lu, Wu	IEEE
11044	Influence of the pyrolysis of benzotriazole passivator on the characteristics of dissolved gas in the insulating oil	Gao, Sihang;Ke, Tingjing;Liu, Yang;Ding, Dong;Li, Jiajun	IEEE
11047	Detection and characterization of thermal degradation of HTV silicone rubber used in high voltage composite insulator taking into account abnormal temperature heating	Xue, Wenxiang;Lu, Yi;Gao, Yanfeng;Wang, Shuyuan;Gu, Tiansong;Wang, Hui;Li, Hongliang;Zhang, Jifei;Su, Bin;Liu, Min	IEEE
11048	Thermal degradation investigation of glass fiber reinforced polymer used in high voltage composite insulator core	Lu, Yi;Gao, Yanfeng;Gu, Tiansong;Wang, Shuyuan;Li, Hongliang;Wang, Xin;Zhang, Xu;Fan, Shuochao;Chen, Yuan;Xue, Wenxiang;Zhang, Jifei;Wang, Hui;Su, Bin;Liu, Min	IEEE
11049	Numerical Calculation Method for constructing equivalent circuit model in the analysis of dielectric response	Gao, Yanfeng;Lu, Yi;Zhang, Xu;Wang, Xin;Fan, Shuochao;Chen, Yuan;Wang, Shuyuan;Gu, Tiansong;Wang, Hui;Li, Hongliang;Zhang, Jifei;Su, Bin;Liu, Min	IEEE
11050	A Performance Evaluation and Quality Control Method of Opening/Closing Coil Used for Gas-Insulated Switchgear	Liu, Guichan;Huang, Yunguang;Peng, Jianing;Huang, Ruodong;Gao, Chao;Zhou, Fusheng	IEEE

11051	Key Properties Test and Analysis of Gas Density Monitor Used for Gas-Insulated Switchgear after Long-term Operation	Huang, Ruodong;Gao, Chao;Zhou, Fusheng;Liu, Guichan;Huang, Yunguang;Peng, Jianing	IEEE
11052	Application Prospect of Ultrasonic Testing Methods to Internal Stress in Basin Insulators for GIS	Zhou, Fusheng;Wang, Dibo;Gao, Chao;Huang, Ruodong;He, Weiming;Yang, Xu;Zhang, Changhong;Li, Weiguo;Huang, Zhongkang;Chu, Jinwei	IEEE
11054	Electric field measurements in plasma based on electric field induced second harmonic generation (E-FISH) with nanosecond/picosecond laser	Cui, Yingzhe;Zhuang, Chijie;Zeng, Rong	IEEE
11056	Research on the corrosive effect of inactive sulfur on oil-paper insulation	Gao, Sihang;Ke, Tingjing;Liu, Yang;Ding, Dong;Li, Jiajun	IEEE
11057	Field Experiences on Oil Ageing Characteristics of Transformer On-Load Tap Changers	Jiang, Shuo;Zhou, Dan;Yang Xian;Ma Zhiqin;Jiang Danyu	IEEE
11058	Partial Discharge Characteristics Of The Accumulative Aging Of The Impulse Voltage Of Oil-pressboard Insulation Under The Highly Non-uniform Electric Field	WANG, Wenxin;WANG, Peijin;GONG, Wenxiu;WANG, Liangkai;LI, Qingquan	IEEE
11059	Uneven inter-turn Voltage Distribution among windings of Medium-Voltage High-Frequency Transformers	Changjiang, Zheng;Qian, Wang;Huai, Wang;Claus, Leth Bak;Zhan, Shen	IEEE
11060	Experimental Research on Oil-paper Insulation Performance within Wide Temperature Band	Sun, Jiantao;Wang, Ke;Liu, Xueli;Wang, Jianyi	IEEE
11064	Research on on-line monitoring method of insulation state of electric vehicle high voltage system	Zhiqiang, Wang	IEEE
11067	Method for Reducing Impulse Grounding Impedance of Grounding Device by Using Grounding Electrode with Non-uniform Radius	Liu, Zhuoran;Wang, Sen;Zhang, Bo;Cao, Yanchuan;Luo, Donghui;Li, Wei	IEEE
11070	A Simulation Study of Conductor Swing under Pulsating Wind of UHV Transmission Lines and its Suppression	Yan, Xiu;Wang, Liming;Yin, Fanghui	IEEE
11071	RESEARCH ON FERROMAGNETIC RESONANCE OVERVOLTAGE BASED ON STATION SERVICE VOLTAGE TRANSFORMERS	CUI, Rong-xi;HE, Xing-min;HE, Bai-na;JIANG, Ren-zhuo;ZHANG, Jing-ru;DONG, Yan-chen	IEEE
11073	Research on Overload Warning Method of Distribution Network Transformer Based on Neural Network	Liu, Shuang;Shao, Xianjun;Chen, Chao;Han, Rui;Lin, haofan;Jiang, Peng	IEEE
11078	Instability risk and control strategy of receiving-end power grid integrated with UHVDC and HVAC lines	Wang, Qing;Yu, Haifeng;Song, Xinli;Luo, Huawei	IEEE

11129	Influence of Diameter on the Contamination Accumulation Characteristics of Composite Insulators	Zhou, Shuchen;Wang, Xiaojie,Zhang, XinXin;Lei, Longwu;Liu, Shuming;Liu, Shuqi;Li, Shaohua;Liang, Xidong	IEEE
11130	The Influence of Electron Emission from the Electrode Materials on the Arcing Current in Inclined-plane Test	Liu, Shuming;Wang, Xiaojie;Xu, Jun;Liu, Jun;Luo, Yi;Liu, Shuqi;Lei, Longwu;Li, Shaohua;Liang, Xidong;	IEEE
11187	Dissection of UHF Sensor Based Measuring Technique Limitations for PD in HV Equipment.	Sohail, SAJEEL BIN;Shusheng, ZHENG;Shiyu, WU;Aixu, ZHONG;Ahmad, KHALIL	IEEE
11189	Research on the Characteristics of Transient Sheath Overvoltage in Underground Cable Lines	Chi, Qing;Pu, Lu;Sun, Haofei;Duan, Wei;Hou, Zhe;Zhao, Xuefeng;Ju, Zeli;Li, Jiaming;Deng, Junbo	IEEE
11228	High Temperature and High Electric Field Dependent Space Charge Injection in Epoxy Resin for Converter Transformer Bushing Insulation	Yang, Wei;Zhang, Chong;Yan, Hongda;Yan, Bingyue;Zhao, Renyong;Kong, Xiaoxiao;Liu, Songtao;Li, Jin;Du, Boxue;Tanaka, Yasuhiro	IEEE
11229	Space Charge Injection into Epoxy Resin Nanocomposite under Various Ambient Temperature	Yin, Li;Yang, Wei;Zhang, Chong;Sun, Lu;Wang, Yifang;Li, Jin;Du, Boxue	IEEE
11247	Detecting SO ₂ and CF ₄ under high concentration SF ₆ using V-shaped cavity enhanced raman spectroscopy	Hu, Jin;Wan, Fu;Chen, Weigen;Mao, Hyangyin;Wang, Pinyi;Wang, Jianxin;Zhou, Feng;Zhu, Chengzhi	IEEE
11248	Experimental Study on monitoring of SF ₆ degradation by Raman Spectroscopy	Qian, Guochao;Peng, Qingjun;Peng, Hui;Hu, Jin;Wang, Jianxin	IEEE
11249	Highly sensitive fiber-enhanced Raman spectroscopy for simultaneous detection of SF ₆ decomposition	zhou, feng;wan, fu;wang, jianxin;hu, jin;mao, hangyin;wang, pinyi;zhu, chengzhi;chen, weigen	IEEE
11263	Oil-paper bushing insulation condition assessment based on polarization-depolarization current	Zhang, Chenmeng;Hu, Can;Zhao, Kailin;Deng, Yong;Liu, Ling;Xie, Shijun	IEEE
11268	RSSI-Based Direction of Arrival Estimation Using Maximum Likelihood Estimator and UHF Antenna array	Xu, Yougang;Chen, Jingde;Lu, Min-an;Gu, Hua;Shen, Xiaofeng;Zhou, Nan	IEEE
11270	Effects of the preparation of semi-conducting electrode on space charge injection in LLDPE	Xu, Bohong;Zheng, Feihu;An, Zhenlian;Zhang, Yewen	IEEE
11272	The Influence of Down Conductor Torsion on the Mechanical Properties of the Main Transformer End of Substation	Xie, Kai;Tao, Yaguang;Wang, Jinyang;Huo, Xiangyu;Liu, Zhuli	IEEE
11273	Research progress of advanced fluoropolymer dielectric materials for solid film capacitors	Zhou, Mingyu;Wang, Haitian;Fan, Benhui;Zhang, Chong;Zhou, Yuzhen;Bai, Jinbo	IEEE

11279	Simulation Research on Focusing Characteristics of 8-shaped Magnetic Coil	Zhou, Haibin;Wang, Yifan;Zhang, Wenyi;Luo, Fuyu;Han, Ruoyu	IEEE
11281	Surface Charge Accumulation Characteristics of the DC GIL Insulator in Transient Process	yuan, mengqiang;zou, liang;lv, yue;zhaohong, tong;zhang, li	IEEE
11284	Analysis of Insulation Margin of UHV AC Transformer at Low Temperature	Liu, Heqian;Zhang, Hongda;Li, Lin;Zhang, Dewen;Kong, Fanrong;Shen, Yubo	IEEE
11288	Research and application of Wide-Band modeling method for flexible HVDC converter valve	Wang, Lei;Dai, Min;Li, Qi;Pang, Lei	IEEE
11295	Excited States Analysis of Polyethylene Molecule with Carbonyl Defects Based on Time-dependent Density Functional Theory	Lin, Tao;Duan, Wei;Sun, Haofei;Hou, Zhe;Zhao, Xuefeng;Ju, Zeli	IEEE
11303	Fault Identification Technology of Series Arc Based on Deep Learning Algorithm	Long, Guanwei;Mu, Haibao;Li, Yang;Zhang, Daning;Ding, Ning;Zhang, Guanjun	IEEE
11304	High-temperature Polypropylene Nanocomposite with Different Surface-modified Nanoparticles for HVDC Cables	Hu, Shixun;Yuan, Chao;Li Qi;Wang, Wei	IEEE
11305	Development of the 10 kV Wideband Combined Resistance-capacitance Voltage Divider Unit	Xie, Shijun;Shu, Ping;Ding, Weidong;Mu, Zhou;Wan, Zhenbo;Wang, Hanyu	IEEE
11306	Application of Coupling Ground Wire in Distribution Line Lightning Protection	Xu, Wenhua;Fu, Yongjun;Deng, Hongfu;Zhang, Xindong;Li, Zhaolong;Huang, Xin;Li, Yilin;Zhang, Mingyan;Liu, Haifei;Yang, Qing	IEEE
11307	Experimental Study on Discharge Behavior of Combined Air Gap with Segmented floating Conductors	Fu, Yufei;Zhao, Yushun;Huang, Shengxin	IEEE
11308	A Condition Monitoring Data Cleaning Method for Power Equipment Based on Correlation Analysis and Ensemble Learning	Zhang, Shaofeng;Yao, Wei;Sun, Peng;Zhang, Yubo	IEEE
11310	Defect Detection for Composite Insulators Based on Electromagnetic Wave Spectrum and Field Application	Jin, Ming;Wang, Jian;Li, Yongjie;Chen, Cheng;Shu, Shengwen	IEEE
11311	Efficient Simulation of TDR Test for Power Cables Based on ABCD Matrix	li, yan;Liu, Yunpeng	IEEE
11312	Research on Rainwater Cleaning Law of Suspension Porcelain Insulator	Zeng, Xiangjun;Zhang, Fuzeng;Wang, Tingting;Xu, Yongsheng;Lu, Wei;Xiao, Wei	IEEE

11313	Study on Discharge Decomposition Characteristics of Environmental-friendly Insulating Medium C5F10O	Zhang, Ranzhi;Lin, Xin;Zhong, Jianying;Xu, Jianyuan;Yao, Yongqi;Zhang, Jia;Han, Guohui;Ma, Fengxiang	IEEE
11315	Reliability Analysis of Pre-insertion Resistors for EHV/UHV SF6 Circuit Breakers	Niu, Bo;Xu, Yuhua;Ma, Feiyue;Zhou, Xiu;Chen, Lei;Wei, Yin	IEEE
11316	Conductivity gradient optimization of superficial layer for GIL disc spacer based on finite element method and adaptive particle swarm	Ruan, Haouu;Xie, Qing;Song, Jingxuan;Zhan, Zhenyu;Wang, Chunxin;Lu, Fangcheng	IEEE
11317	Molecular Dynamics Simulation of the Structure and Properties of DGEBA/OSC Double-Crosslinked Epoxy Resin	Ge, Jingyuan;Xie, Jun;Yang, Xinyu;Fu, Kexin;Xie, Qing	IEEE
11319	Experimental Research on Break Dynamic Insulation Characteristics of C4F7N/CO2 Mixed Gas	Zhong, Jianying;Han, Guohui;Zhang, Jia;Lin, Xin;Geng, Zhenxin;Xu, Jianyuan;Sun, Guanglei	IEEE
11320	Electrostatic Discharge Characteristics of Typical Gases	Xu, Haoming;Chi, Xiaohong;Fan, Xinchun;Chen, Ji;Liu, Wenfeng;Li, Zhen	IEEE
11321	Electric Field Distribution in SF6 Gas of Converter Transformer Bushing Under Complex Voltages	Jia, Junran;Xu, Jianyuan;Wen, Zheng;Lin, Xin;Li, Xiaolong;Wen, Miao;An, Zefeng;Li, Wenbo	IEEE
11322	Observation of Spatial and Temporal Evolution of Stem near the Electrode in a 1-m Air Gap	Bing Luo;Yingzhe Cui;Weihua Zhong	IEEE
11323	A Reading Recognition Model of Pointer Type Oil-level Meter Based on Improved Resnet	Liang, Xuanhong;Wang, Youyuan;Zhang, Yubo;Wang, Dong;Ma, Deying	IEEE
11324	Study on Surface Charge Accumulation Mechanism of DC-GIL Insulator Based on Charge Behavior	Li, Qiuye;Wang, Ya;Zhang, Lei;Yu, Di;Liu, Peng;Zhang, Zhousheng	IEEE
11326	Improved Breakdown Strength and Energy Storage Properties of Core-shell SiO2@ZrO2/maleic anhydridegrafted polypropylene/polypropylene Ternary Composites	Zhang, Yuxin;Cheng, Lu;Ma, Yue;Guo, Jiang;Liu, Wenfeng;Li, Shengtao	IEEE
11327	Self-healing Properties of Metalized Polypropylene Film with Elevated Sheet Resistance	Jia, Lei;Cheng, Lu;Liu, Wenfeng;Xu, Zhe;Zhang, Yuxin;Li, Shengtao	IEEE
11328	Comparison with the influence of different types of impulse currents on the degradation of Zinc-oxide varistors	Li, Weikang;Yao, Xueling;Sun, Jinru;Li, Qingqing;Wang, Hao;Zhu, Xin	IEEE
11329	Research of Short Air Gap Flashover Characteristic with Water Droplets	Wu, Xiaohan;Cao, Bin;Wang, Liming	IEEE

11330	Effect of Electric Field on Adsorption Characteristics of Perfluorocarbonone Gas on Copper Surface by DFT Calculation	Qi, Guodong;Wu, Zhongjie;Qi, Qiubo;Hao, Yanan;Xiao, Meng;Fan, Kailun	IEEE
11331	Study on the Compatibility of Perfluorocarbonone and Its Decomposition Products with Epoxy Resin Based on Reactive Force Field Method	Qi, Guodong;Wu, Zhongjie;Qi, Qiubo;Hao, Yanan;Xiao, Meng;Feng, Xiaoman	IEEE
11332	Thermogravimetric Analysis and Activation Energy Calculation of Carbon Fiber Composite Cores	Shen, Chuying;Yin, Fanghui;Wang, Liming;Li, Ruihai;Liao, Yongli;Gong, Bo	IEEE
11333	Development and test of distributed current monitoring device for dry type air core reactor	Cui, Zhigang;Qian, Guochao;Hao, Changjin;Liu, Yi; Yang Chao; Ou, Yangyong	IEEE
11334	Icing Flashover Tests and Arc Developing Characteristics on Superhydrophobic Surface	Liu, Jie;Hu, Jianlin;Tan, Huilin;Ding, Zhiyuan;Jiang, Lihua;Meng, Wei	IEEE
11335	Study on electromagnetic shielding of the distributed current sensor for dry-type air-core reactor	Cui, Zhigang;Qian, Guochao;Liu, Yang;Hao, Changjin;Yang, Chao;Liu, Yi	IEEE
11336	AC Loss Analysis of 35kV High Temperature Superconducting Cable	Wei, Bengang;Wang, Liming;Li, Honglei;Xiao, Cien	IEEE
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11338	Calculation of Ion Flow Fields of HVDC Transmission Lines by Coupling Flux Tracing Method with Finite Element Method	Zhang, Bo;Mo, Jianghua;Liu, Jianben	IEEE
11339	Prediction of Trichel pulse amplitude for smooth conductors and stranded conductors based on improved effective ionization integral	Liu, Jianben;Xu, Pengfei	IEEE
11340	The Measurements of Switching Transients in 1000kV UHV Substations Using Optical Electric Field Measuring Technique	Mu, Zhou;Zhang, Yu;Luo, Donghui;Xie, Shijun;Kang, Peng;Lei, Ting	IEEE
11341	Frequency Analysis of Measured Transient Voltage of Neutral Grounding Reactor on UHV AC Transmission Line	Lei, Ting;SHEN, Haibin;SHI, Weidong;KANG, Peng	IEEE
11342	Polymer Nanocomposites with High Energy Density and Breakdown Strength utilizing Oriented BNNS	Li, Yushu;Cheng, Sang;Zhu, Yujie;Hu, Jun;He, Jinliang;Li, Qi	IEEE
11343	Study on the Chalking Mechanism of Silicone Rubber Composite Insulators	Jiang, Tingyu;Lei, Longwu;Wang, Jian;Zhu, Yong;Zhou, Shuchen;Liang, Xidong;Liu, Shuming;Wang, Qian;Li, Shaohua	IEEE

11344	Prediction of Wildfire-induced Trips of Overhead Transmission Line based on data mining	Zhou, Wentao;Chen, Weijie;Zhou, EnZe;Huang, Yong;Wei, RuiZeng;Zhou, You	IEEE
11345	Effect of Film Processing on the Capacitive Performance of Poly(vinylidene fluoride-co-hexafluoropropylene) Copolymers	Li, Yushu;Zhu, Yujie;Luo, Zhen;Hu, Jun;He, Jinliang;Li, Qi	IEEE
11346	DC Transient Voltage Measurement by the optical electric field measurement system	Wang, She;Xie, Shijun;Liu, Fan	IEEE
11347	A Wide Range Transient Current Sensor Based on GMR Effect for Smart Grid Applications	Hu, Jun;Zhao, Gen;Cheng, Tiehan;Gao, Shutong;Zhang, Long;Wang, Liuju	IEEE
11348	Research on Influence of Line Arrester on UHV DC System Protection	Hu, Jun;Gu, Shanqiang;Han, Zhifei;Yang, Guangzhao;Cao, Wei	IEEE
11349	Research on Improving Electric Field Distribution of UHV DC Line Arrester	Hu, Jun;Gu, Shanqiang;Han, Zhifei;Yang, Guangzhao;Cao, Wei	IEEE
11350	Identifying working day and rest day data based on machine learning method for more accurate transformer load forecasting	Li, Yingjie;Lv, Zhining;Pang, Ning;Liu, Yang;Zhao, Gen;Hu, Jun	IEEE
11351	Electrode Extension Layer Design of DC Wall Bushing Based on Field Grading Material	Zhao, Xiaolei;Yang, Xiao;Yuan, Zhikang;Huang, Zhiwen;Hu, Jun;He, Jinliang	IEEE
11352	Main Insulation Optimization of DC Wall Bushing Based on Field Grading Material	Huang, Zhiwen;Zhao, Xiaolei;Yang, Xiao;Yuan, Zhikang;Hu, Jun;He, Jinliang	IEEE
11353	Analysis of intelligent inspection program for UAV grid based on AI	Zhang, Shiming;Lei, Zeyu;Liu, Yi;Yang, Wei;Zhao, Qiang;Yang, Shenglan;Xu, Peng	IEEE
11354	Comparison of Surge Impedance Model and Electromagnetic Field Model of Transmission Tower	Li, Zhizhong;Xie, Wenbing;Shen, Wei;Fang, Chaoying;Li, Wei;Wang, Sen	IEEE
11355	Simulation research on current diffusion feature of HVDC Vertical Grounding Electrode	Li, Wei;Lei, Lei;Wang, Xixiang;Li, Zhizhong;Wang, Sen	IEEE
11361	Effects of grafting methyl acrylate on electrical properties in polypropylene	Chao Yuan; Shixun Hu; Yushu Li; Mingcong Yang; Junluo Li; Sang Cheng; Jun Hu; Qi Li; Jinliang He	IEEE
11360	Effect of grafting on electrical properties of polypropylene	Chao Yuan; Yao Zhou; Shixun Hu; Shaojie Wang; Zhen Luo; Jiajie Liang; Jun Hu; Qi Li; Jinliang He	IEEE