

Table of Contents

001_EMIE2022	Structure simulation analysis of the underwater vehicle thermal jet at discharge multiport Chengzhe Gao, Yongcheng Du, Li Yang
002_EMIE2022	Research and design of distributed busbar protection for distribution network Xiang Luo, Minglong Zhang, Zhenyu Zhang, Yang Liu, Yuan Gao, Yuying Wang, Dong Lin
003_EMIE2022	The Importance of Insulation Measures to Avoid Outlet Short Circuit Fault for Power Transformer Hao Ma, Junji Feng, Xiaoguang Ma, Cong Zhao, Xiaobo Song, He Zhang
004_EMIE2022	Probe into a fault cause of 220kV current transformer Lijun Fu, Weiwei Liu, Jian Zhang, Jianquan Liang, Lei Wang, Liang Zhang, Yanling Guan, Bing Wei
005_EMIE2022	Smooth switching control of microgrid based on droop control Mingjin Wang
006_EMIE2022	Mechanical Design of a Salix Planting Vehicle Side Ren, Xunchen Liu, Kun He, Jiaqi Yang, Xuanda Chen, Mengfan Li, Ran Lin
007_EMIE2022	Test and Calculation Methods of the Global Warming Potential for eco-friendly insulating mediums Yuewei Wu, De Ding, Li Guo, Xiaochun Bai, Pinghai Lv, Xiaobin Yu, Guobin Li, Zhe Liu
008_EMIE2022	A railway rail straightness detection mechanism and error analysis Mingxun Li, Yu Li, Xupeng Li, Cunrong Li
009_EMIE2022	Research and application of grating passive conveyor integrated protection system Ranran Wang, Yingxiu Li, Yaohua Wang, Tao Li, Quan Shi, Lin Shao, Xiaohan Zhang
010_EMIE2022	A method and research of elevator energy efficiency detection Gaoge Feng, Xiaochang Liu, Tao Jiang, Jintai Li
011_EMIE2022	Simulation Research on Offshore Flexible Low Frequency Transmission M3C Converter Station Haishan Guo, Kai Hou, Jianguo Qian, Hemin Yang, Wulue Pan, Youzong Jian, Xiaohong Wang, Xuanwei Qi
012_EMIE2022	Design of Supercapacitor Auxiliary Circuit for Substation Parallel DC Power Supply System Zhen Yang, Zhicheng Zhao, Liheng Miao, Lai Xu, Zhenghong Xu, Peng Cai
013_EMIE2022	Design of a flexible gripper based on composite structure Zhuoyuan Chen, Peiyang Li, Aizhong Qin, Zhihua Gao, Zirui Liao
014_EMIE2022	Development of a 500kV 15mA power supply for ion accelerator Xiaofeng Li, Yiyun Huang, Hejun Hu, Hui Chen
015_EMIE2022	Controller Simulation of VSC-HVDC Transmission Based on Pole Placement Theory Chao Zou, You Tao
016_EMIE2022	Structure simulation comparison of the underwater vehicle thermal jet at oval discharge port Chengzhe Gao, Yongcheng Du, Li Yang

017_EMIE2022	Study on operation and maintenance of sulfur hexafluoride circuit breaker Lijun Fu, Jian Zhang, Weiwei Liu, Yanling Guan, Liang Zhang, Peng Zhang, Bing Wei, Han Wang
018_EMIE2022	Synthesis and photophysical properties of organic photovoltaic polymer donor materials based on BDT-THSEH Hongfu Zhi, Xuebin Huang, Jinliang Wang
019_EMIE2022	Analysis of PEM electrolytic cell structure and flow channel form on electrolysis efficiency Hu Pan, Xiwu Gong, Yin Feng, Shuangshuang Xu
020_EMIE2022	High-performance electrode material of MnCo₂O₄ and Graphene with dandelion morphology for supercapacitor Jingjing Meng, Shixiang Lu, Wenguo Xu
021_EMIE2022	Analysis of the influence of ambiguity function deviation angle on the detection performance of phased array radar Yan Yu, Chunyu Wang, Hongyan Wang
022_EMIE2022	Near infrared microstructured Si-PIN photodetector with high photoresponse and low dark current Ke Wang
023_EMIE2022	Adaptive dynamic bias ultra low power LDO Tiantong Wei, Shengming Huang, Quanzhen Duan
024_EMIE2022	Comparison of electromagnetic exposure for passengers at different positions on the subway platform Jin Li, Mai Lu
025_EMIE2022	First-principles study on electronic structure and optical properties of two-dimensional antimonene doped with phosphorus Le Chen, Jiawei Sun
026_EMIE2022	A Bandgap Reference with Novel Piecewise Compensation Circuit Hongyu Wei, Quanzhen Duan, Shengming Huang
027_EMIE2022	Design of a high power LED constant current driver Siying Wang, Shengming Huang, Quanzhen Duan
028_EMIE2022	A Delta-Sigma Capacitance-to-Digital Converter for Robot Flexible Electronic Skin Qianqian Wang, Quanzhen Duan, Shengming Huang
029_EMIE2022	A -16-80V Input Common-Mode Range High-precision Current Monitor Kaili Li, Guangjun Ren, Shengming Huang
030_EMIE2022	An Ultra-Low-Noise Capacitive Readout Circuit for Gyroscopes Xiangqi Zhou, Quanzhen Duan, Shengming Huang
031_EMIE2022	Research on a Microwave Band – pass Filter Jun Qian, Yifeng Hou
032_EMIE2022	Research on Changes of Electrostatic Field Caused by Ship Motion in Deep Sea Zhen Zhu, Wenbo Wen, Yangkui Xiang, Yuner Wan, Guorui Wu
033_EMIE2022	A Capacitive-Coupled Chopper Instrumental Amplifier Designed for Brain-Machine-Interface Circuits Liwei Li, Quanzhen Duan, Shengming Huang

034_EMIE2022	A Low-power Low-noise Capacitive Readout Circuit for Accelerometers Dameng Kong, Quanzhen Duan, Shengming Huang
035_EMIE2022	Research on Voltage Compensation Measures Based on Reducing Commutation Failure and Converter Transformer Tap Loss Guangyao Qiao, Zhiyong Yu, Yukun Niu, Yue Wang, Tian Chen, Limin Ma, Shujie Wang
036_EMIE2022	Collaborative Planning of Distributed Photovoltaic and Energy Storage for Improving Voltage Quality Sijin Song, Yutian Liu, Chunyi Wang
037_EMIE2022	Correlation Analysis of Wind Generator Wide Band Oscillation modes and influencing factors based on FP-Growth Method Xingyou Zhang, Yiyuan Liu, Lu Xia
038_EMIE2022	A New Topology of Hybrid DC Circuit Breaker with Current Limiting Capability Xiao Chen, Shimin Xue, Baibing Liu, Zhengyang Wang, Yuexuan Li
039_EMIE2022	An online impedance analysis device based on CloudPSS-RT and RT-lab co-simulation test bench Yanchuan Li, Han Wu, Chunpeng Pan, Yankan Song, Jian Wang
040_EMIE2022	Detection of metallic turn-turn short circuit of dry air core reactor based on digital twin current method Chi Ma, Boyu Zhang, Zexin Yan, Jiangtao Li
041_EMIE2022	Design of power control system of thermal power unit based on Internal Model Control Wenlan Wang, Xionghuai Bai, Shuaiwei Chen
042_EMIE2022	Over-voltage Analysis of High Penetration PV Integration to Distribution Network Considering Whole-County-PV Development Zhaoyang Han, Qianyu Zhao, Shouxiang Wang, Yichao Dong, Hao Mu
043_EMIE2022	Multi type sensor access method for power IOT sensing network based on edge computing Yiming Zheng, Ping Qian, Jiajun Lin, Chen Li, Wenlin He
044_EMIE2022	The Analysis for Active Power Loss of Capacitor Voltage Transformer Zhaoliang Gu, Mengzhao Zhu, Ran Xu, Jiarui Zhang, Hongge Li, Wenbing Zhu, Jian Wang, Qingdong Zhu
045_EMIE2022	Study on Microstructure and Properties of H13 Hot Working Die Steel during Tempering Huizhen Wang, Yuewen Zhai, Leyu Zhou, Zibo Zhang, Dongchao Ren, Haoyuan Han, Bo Liu
046_EMIE2022	Research on the Design of National and Reinforced Loongson 3A4000 Computer Bin Wu
047_EMIE2022	Investigation on mechanical properties and low cycle fatigue behaviors of AZ31 magnesium alloy after ECAP treatment Quanxin Jiang, Xiaoming Yang
048_EMIE2022	A new design of a radiative cooler with thermal insulation capacity Yixuan He, Tingxuan Li, Zhilin Xia, Xiaochun Fan
049_EMIE2022	Molecular dynamics simulation of interfacial thermal resistance properties of BNNS/PP thermally conductive composites Guangmao Li, Gang Du, Jie Yang, Chen Zhu, Shengya Qiao, Qingdan Huang
050_EMIE2022	Advances on chlorine fixation properties of alkali activated cementitious materials Yixuan He, Yang Wang, Xiaochun Fan

051_EMIE2022	Radiation Sensor Measurement Based on Array Cross and Series Connection Chunliang Fu, Ming Guo, Linhua Gong, Jiafa Hu
052_EMIE2022	Fluorescence Characteristics of DAST in Silica Nanoparticles Minghui Xu, Yuanting Feng, Yixin Wang, You Li, Yulong Zhou, Ziji Liu, Xiangdong Xu
053_EMIE2022	Application case of waste heat utilization technology of calcined flue gas in the production process of prebaked anode for aluminum electrolysis Yuna Fang
054_EMIE2022	A Method for Reducing Leakage Current of Static Logic Gates in 65nm CMOS Technology Haoyang Yan
055_EMIE2022	Research on Insulation Aging Law of Switchgear Operating for Different Years under Actual Conditions Pei Cao, Guliang Zhou, Peng Xu, Wei Liao
056_EMIE2022	Study on Certification Method of GHG Emission Reduction in LNG-powered Ship Application Project Yuanming Jia, Yiying Zhou, Jing Li
057_EMIE2022	Analysis and Verification of Nuclear Power Cabinet Magnetic Field Radiation Emission Test Yuehong Pan, Hemeng Peng, Shengjun Yuan, Chuan Yang, Chunxu Jiang, Xiaodong Wang, Fengbao Lv
058_EMIE2022	Research on carbon emission flow in power system based on carbon flow tracking Xinyu You, Aihong Tang
059_EMIE2022	Study on Abnormal Heating Mechanism of Composite Insulators with Typical Defects Gang Du, Jie Yang, Mianzhi Chen, Menghui Zhang, Guangmao Li, Wenxiong Mo
060_EMIE2022	Research on Full-Angle Drilling Tower Type of 110kV Single-Circuit Transmission Line Xiaojian Zhang, Jiwu Liu, Xiangyu Zhang, Yachen Wang, Xiaoxue Su, Huiwen Qi, Kai Han, Weiyang Yan, Xin Zhang
061_EMIE2022	Automatic Driving and Control Technology of Unmanned Aerial Vehicle with High Precision Positioning System Shuai Hang, Fuguang Huo, Zushan Ding, Xiao Zhang, Yiding Wang
062_EMIE2022	Scenario planning analysis of the emerging electric battery technologies in new energy industries Jiping Li, Rui Liu, Junqiu Yuan, Di Mu
063_EMIE2022	Rotor parameter optimization method for groove torque reduction of built-in permanent magnet synchronous motor Zizhao Li, Xudong Wang
064_EMIE2022	La_{0.7}Sr_{0.3}FeO_{3-δ} prepared by electrospinning as a cathode material for Proton-conducting Solid Oxide Fuel Cell Cuicui Sun, Qian Duan
065_EMIE2022	Power system protection against graphite bombs Shi Zuo, Bo Zhao, Wangwang Li, Mengxin Kang
066_EMIE2022	Construction and electrochemical performance analysis of high performance graphene oxide intercalation composite zinc manganese oxide (ZnMn₂O₄) air electrode catalyst for potassium-oxide batteries Fan Liu, Ruiyin Ren, Jing Ge, Xiaoshi Lang, Kedi Cai

067_EMIE2022	Synthesis and photophysical benzotriazole-based acceptors with side-chain modulation for solar cells Xin Zhao, Shiyu Tian, Jinliang Wang
068_EMIE2022	Computational screening the potentials of TiVC MXenes monolayer as anode material for sodium-ion batteries Guoqing Wang, Jing Shi, Xiaoyan Luo, Bin Lin
069_EMIE2022	Hybrids of LiMn₂O₄ nanoparticles anchored among carbon nanotubes as efficient cathode material for high-performance rechargeable hybrid aqueous batteries Guanghui Yuan, Jia Jia, Ting Huang, Ben Mi, Zhaozhuo Yin, Zhaozhe Wang, Qiong Xu
070_EMIE2022	The stability and electrical properties of alkali metal cations doped CH₃NH₃PbI₃ Xinyu Peng, Wangyang Duan, Xinguo Ma, Zixi Huang, Chuyun Huang
071_EMIE2022	Microstructure and Microwave Dielectric Properties of (1-x)SrTiO₃-xLaAlO₃ Ceramics Yue Tian, Qun Wang, Yunfei Yu, Yudong Hou, Yongqing Li
072_EMIE2022	Research on small disturbance stability analysis method of wind power grid connected system based on Thevenin equivalent Jinwei Li, Xueshan Han, Tong Li
073_EMIE2022	A Novel sEMG Denoising Method Based on Multi-Level Improved Wavelet Transform Jianying Zhang, Wei Lu, Xiaoqin Hu
074_EMIE2022	Research and Realization of Flexible Piezoelectric Sensors based on MoS₂ Nanosheets-Films Bing Wang, Yizhi Wang, Huajian Dong, Ruichen Ji, Shanshan Gu, Weina Chen, Shanshan Ge, Yang Zhang
075_EMIE2022	Electrical properties regulation of MoS_{3(1-x)F_{3x}}/graphene heterojunctions by asymmetric F doping Wangyang Duan, Zihan He, Yuehuan Cheng, Ling Pei, Xinguo Ma
076_EMIE2022	Earth Fault Detection Method in Non-solidly Earthed Network Based on the Increments of Phase Current Fan Lu, Chi Zhang, Jia Wang, Yuqin Gao, Hongyu Lu
077_EMIE2022	The vital role of anode and cathode materials in lithium-ion battery Chengyu Gui, Yurun Wang
078_EMIE2022	Innovative electrode materials and electrolytes for sodium-ion batteries Dingxiang Peng, Zichao Zhang, Zixu Zhao
079_EMIE2022	Analysis on the Methodology for Reducing the Power Consumption of CMOS in VLSI Weixuan Sun
080_EMIE2022	Analysis of important processes of ultra high voltage alternating current project progress control based on WBS architecture decomposition Chen Yin, Qin liu, Bingqian Chen
081_EMIE2022	Applications of different nanomaterials in lithium-ion battery Chulong Zhu
082_EMIE2022	Lithium-ion batteries: Towards ultimate energy density Yifan Wu, Zihang Xu, Yijia Zou
083_EMIE2022	Application of SPWM Bidirectional Converter Technology in Emergency Power Supply Shangying Shi, Shiyu Huang

084_EMIE2022	Study on key modules of high voltage integrated acquisition terminal and applications Fan Zhou, Jintao Yu, Bin Li, Qiankun Zhao, Tao Fu
085_EMIE2022	Research on power-frequency overvoltages of 220 kV offshore cable transmission system in Liaoning Province Wei Duan, Han Li, Minru Kong, Peixin Yu, Lu Pu, Xuefeng Zhao, Zeli Ju
086_EMIE2022	The Simulation Research of Hydraulic System Test Platform of 1.5MW Wind Turbines Transmission Chain Zhihao Fu, Yuan Sun
087_EMIE2022	Application of electro hydrogen coupling technology in the construction of new power system Yanping Li, Jianjun Fang, Yaoyao Zhang, Lu Xia
088_EMIE2022	The multifunctional role of graphene in automotive lithium-ion batteries Yanming Zhang, Siqi Man
089_EMIE2022	Study on the Compatibility between Eco-friendly Insulating Gas Mixture and Solid Materials of Used in Gas-insulated Transformers Based on Thermal Acceleration Method Xigang Wang, Yuewei Wu, De Ding, Yanping Bu, Jianjun Shi, Liang Wang, Weikang Yang
090_EMIE2022	A SOC estimation method based on LSTM with polarization characteristics Xiaoqiang Liang, Weihong Zang, Chunchang Xu, Haiju Wang, Qi Wan, Yuqi Tong, Shuling Yang
091_EMIE2022	Molecular dynamics simulation of impact on a high entropy alloy with void Ziwen Zeng, Haitao Li
092_EMIE2022	Preparation and photocatalytic performance of g-C₃N₄ composite photocatalysts loaded with rice husk ash Liguang Xiao, Zili Yang
093_EMIE2022	Research on Anti-biofouling Capacity of the Acrylic Resin Coating Contained Polyaniline-CuO Composite Nanoparticles Zhirong Tan, Xiaoqing Ye, Dangli Wang, Xin Cui, Shuiping Chen
094_EMIE2022	Research on isothermal fatigue behaviors and mechanism of Mg-12Gd- 3Y-0.5Zr magnesium alloy at different temperatures Xiaoming Yang
095_EMIE2022	Effect of Cold Working and Annealing Treatment on the Properties of Ti₅₀Ni₄₇Fe₃ Memory Alloy Zheng Gao, Wenjun Ye, Yanfeng Li
096_EMIE2022	Ascorbic Acid Induced Scrolling of Titanium Carbide Ti₃C₂T_x MXene Nanosheets Jinxin Cao, Qing Zhang
097_EMIE2022	Study on preparation and application of gradient polymer materials Xuelian Bai, Zhongguo Mu, Yunke Jing
098_EMIE2022	Advances of non-metallic materials resistant to hydrochloric acid corrosion Weiqi Zhang, Ruicheng Fan, Junzhou Chi, Yunfeng Zhang
099_EMIE2022	Effects of oxygen ratio on pulverized coal combustion under O₂/CO₂ atmosphere preheated by a circulating fluidized bed Fei Pan, Jianguo Zhu, Jingzhang Liu, Yuhua Liu, Qinggang Lyu

100_EMIE2022	Automatic Early Warning Technology of Automatic Pipeline Fault based on Cluster Analysis Yu Cui, Mingzhen Jia, Liang Sun, Bo Han, Mingce Shi
101_EMIE2022	Harmonic Extraction and Inverter Generation Technology of Distribution Network Haifeng Xu, Jidong Cai, Gang Jin, Tianjia Qiu, Fei Wang, Ziyang Huang
102_EMIE2022	Accommodation capability evaluation method of large-scale renewable energy power connected with power grid Peng Liu, Huixu Xiao, Shiwei Qi, Siyu Han, Zhipeng Zhang, Di Yao
103_EMIE2022	Vibration characteristics research and analysis of hydropower unit based on dynamic experiment Dong Shang, Jun Yan, Yousong Shi, Tinghua Zheng
104_EMIE2022	Solar energy utilization potentials of railway station represented large-space buildings in various climates of China Biqiu Ge, Zhengyu Fan, Longfei Li, Jiaping Liu
105_EMIE2022	Application of Fuzzy Multiple Attribute Decision Making in Power Grid Investment Strategies Xiaoling Wang, Shu Yang
106_EMIE2022	Research on construction method of digital twin geometry of power grid station equipment based on feature matching Hanyong Hao, Wenliang Liu, Jinkui Huang, Mingchao Yong, Guanghui Lu, Weijie Wang, Qingshan Wang, Quanhai Wang, Yang Liu, Yi Zhang
107_EMIE2022	Oscillation Characteristic Analysis and Wind-Storage Control of Wind Farms with Energy Storage Participating in Primary Frequency Regulation Jinbao Huang, Lili Hao, Xiangfeng Liu
108_EMIE2022	Fault location technology based on micro PMU measurement in active distribution network Zhe Song, Zhiyuan Pan, Yishu Zhao, Zhengmao Zhang, Xiyong Cui, Yuanyuan Xu
109_EMIE2022	Frequency Regulation Control System of Wind Power Participating in Power Grid Based on DFIG Yu Chen
110_EMIE2022	Benefit evaluation method of Demand-side Response in distributed photovoltaic accommodation Xiaolin Liang
111_EMIE2022	Local Voltage Control of Distribution Network Based on PV Inverter Reactive Capacity Tong Li, Xueshan Han, Jinwei Li
112_EMIE2022	A calibration parameter estimation method of analog control module for nulling unit Xichang Wang, Guofeng Zhang, Weiping Lei, Yantao Zhang
113_EMIE2022	Automatic classification method for new energy patents based on improved DPCNN Fei Zhou
114_EMIE2022	Structure and function design of power supply guarantee generator vehicle based on hydrogen fuel cell Cunping Wang, Hongtao Li, Xingyue Wang, Xiuli Jiang, Xin Wang
115_EMIE2022	Research on the optimization and regulation technology of integrated energy system based on energy storage air conditioning system Yan Zhang, Yu Gu, Zhuo Wang

116_EMIE2022	Research on Construction Contents and Standards of Terminal Energy Internet Grid System Yan Li, Decheng Wang, Qun Zhang, Jiejun Chen, Xiaotong He
117_EMIE2022	Optimal Configuration Strategy of Regional Multiple Energy System Considering the Low-carbon Operation Ran Hu, Zhanhua Huang, Qiyuan Xu, Weiwei Wu
118_EMIE2022	Load frequency control of interconnected power system considering energy storage Hongqun Gu
119_EMIE2022	Optimal Scheduling of Electric Vehicles in Hybrid Alternating Current/Direct Current Charging Stations Considering Three-Phase Unbalance Constraints Hailong Li, Huifang Liu, Pan Zhang, Chunhui Li, Zhipeng Zhang
120_EMIE2022	Research on the Active Isolated Operation Strategy of Regional Integrated Energy System Huailiang Li, Xiang Gao, Kang Chen, Yang Zhang, Xiaowen Kou
121_EMIE2022	Functional Adaptability Test and Analysis of High-speed Broadband Power Line Communication Module Ruichao Li, Lina Liu, Ming Qu, Fangshuo Li, Yifei Zhou, Tao Wang, Shu Wang
122_EMIE2022	Research on coordinated allocation method of photovoltaic energy storage in load center district (county) Xuan Yang, Kai Shen, Xiangmin Chen, Ha o Zhou, Dawei Dong, Huiliang Fan, Peng Zhu
123_EMIE2022	Research on New Energy Vehicle Detection Technology Based on Vehicle Mileage Verification Method Mengmeng Liu
124_EMIE2022	Research on the influence of large-scale energy storage's feed-in on the frequency stability of power grid's receiving-end Yueping Kong, Shihai Yang, Zecheng Ding
125_EMIE2022	The numerical study on the application of chaotic synchronization in the smart grid Wenhui Chen, Penghua Mu
126_EMIE2022	A Real-time Co-simulation Platform for Grid-connected Distributed DFIG Longlong Shang, Ran Hu, Zhanhua Huang, Hao Deng
127_EMIE2022	Connection pattern recognition for medium-voltage distribution network in power supply area Longlong Shang, Shicong Deng, Zhuo Cheng, Wei Liu, Wei Zhang, Yongchao Pan
128_EMIE2022	Comprehensive Regionalization Control of Power Quality Based on Grey Relation Degree Weight Method Chunlei Wu, Guangqian Ding, Song Zhang, Zhiyuan Pan, Jing Wang, Jianzhong Hou
129_EMIE2022	Research on Optimal Control of Integrated Energy System Considering Optimal New Energy Consumption Rate Qianhui Gang, Kai Wu
130_EMIE2022	Comprehensive evaluation method of relay protection based on subjective-objective combination weighting Peng Guo, Zhongqing Li, Lie Zhang, Yiqun Kang
131_EMIE2022	Fault Transient Characteristics Analysis of Double-Terminal Flexible DC Distribution Networks Considering Distributed Renewable Integration Ru Wang, Zexin Yan, Jiangtao Li

132_EMIE2022	Adaptive allocation method of power system energy storage capacity under high proportion of new energy access Yuan Niu
133_EMIE2022	Power Control Strategy of Bidirectional Converter in Low Voltage AC/DC Hybrid Microgrid Ziyang Zhen, Qigong Chen, Xiaofei Cao
134_EMIE2022	Optimal Control of Power System Based on Energy Storage Air Conditioning System Hongyan Yin, Yang Liu, Zhibo Tong
135_EMIE2022	Research on the adaptability of power system considering the scale of large-scale wind power consumption Weiyuan Wang, Bailiang Liu, Fei Dou, Jingmin Cheng, Chao Xu, Zhendong Wan, Xuan Yu
136_EMIE2022	Study on the Optimization of Primary Frequency Regulation for Micro-grid in Islanding Mode Lei Wang, Xiaozhan Yin, Donglin Jiang, Zimo Zheng, Wenxiang Liu, Junjie Bi
137_EMIE2022	PV cluster partition based coordinated voltage control for active distribution network with high penetrated PVs Ying Cai, Shunqi Zeng, Xilin Tan
138_EMIE2022	Energy Efficiency Analysis of Pumped Storage Power Stations in China Sheng Xin, Youkun Luo, Jun Huang, Defu Cao, QuanjianWei
139_EMIE2022	Renewable energy sources planning with uncertainties by using chance constrained planning in distribution network Jing Wang, Hongwei Li, Zhiyuan Pan, Jing Liu, Ziwei Xiong, Yifan Huang, Wei Wang
140_EMIE2022	Power Beat Predictive Control Method of Wind Grid Connected Inverter under Harmonic and Imbalance of Power Grid Jia Wang, Zhenyu Ma, Hong Ye, Rongrong Shan, Fan Lu, Chi Zhang, Hongyu Lu
141_EMIE2022	Situation awareness of distribution network based on digital twin technique Liwen Qin, Xiaoyong Yu, Haitao Gui, Lifang Wu, Shifeng Ou
142_EMIE2022	Off-limit voltage control of high proportion photovoltaic distribution network based on active-reactive power combined regulation Junfa Chen, Chao Zhang, Pengwei Yang, Li He, Yanqiong Li, Qiqi Han, Lianbing Li
143_EMIE2022	A three-dimensional resilience index evaluation system for the distribution network under flood disaster Tao Li, Tian Tian, Chao Liu, Jun Zhang, Fan Ye, Anqi Tao, Qianggang Wang
144_EMIE2022	Simulation calculation and result analysis of power frequency electric field in high voltage substation Xiangyu Cui, Quanquan Gong, Zhongju Yang, Yunqi Li, Hao Yang, Fan Yang
145_EMIE2022	A Two-stage Optimal Scheduling Approach for Networked Distributed Energy Resources in Power Distribution Systems Haotian Liu, Chuyu Zheng, Yang Leng, Zhiyong Lin, Jian Chen, Jin Zhang, Liang Che
146_EMIE2022	Study on energy flow calculation of decomposed method for integrated energy system Jun Li, Zhentang Shi, Pengkai Wang, Linan Tao
147_EMIE2022	Two-stage Risk Control Method of the Distribution Network for Resilience Enhancement Peng Lu, Hao Lv, Tieqiang Wang, Jianpei Han, Wenwu Zhang

148_EMIE2022	Research on Power Balance Control Strategy of Island AC/DC Hybrid Microgrid Xiaofei Cao, Qigong Chen, Ziyang Zhen, Xiaoxin Zhang
149_EMIE2022	A Review of Applied Research on Household Photovoltaic Power Generation Systems Dengrong Zhou
150_EMIE2022	Current situation and Optimization Countermeasures of Shore power at inland ports in China Wei Du, Zhongfei Kang, Tian Teng
151_EMIE2022	Experimental research of carbon flooding and buried in buried hill reservoirs with high-angel Minglong Zhang
152_EMIE2022	Coordinated Planning of Integrated Energy Station Based on Stochastic Multi-source Uncertain Dispatch Yong Zhang, Zhoujun Ma, HengJun Zhou
153_EMIE2022	Methodology for Assessing a Nuclear Power Plant Environmental Integrated Effect within Sino-Russian Energy Cooperation Development Yanjie Li, Olga Konnikova, Evgenii Konnikov, Daria Terenteva
154_EMIE2022	Multi-scale optimization of cogeneration system based on S-CO₂ Brayton cycle Yongyu Zhang
155_EMIE2022	Research on Digital Twin System for Power Substation Situation Awareness and Operation Simulation Xiangquan Zhang, Liping Wang, Wei Jin, Chunlong Lin, Zhicheng Ma, Jianglong Nie, Zhao Chen, Xun Zhang, Hongzhong Ma
156_EMIE2022	Research on comprehensive energy data fusion method based on semantic association feature mining Guorui Song, Zhibin Yin
157_EMIE2022	Economic research on 5G base station peak regulation Xiyang Yin, Guoyuan Lv, Zhongyu Wang, Zhixin Lu, Yizhao Liu, Zihao Liu
158_EMIE2022	Ballistic Missile Overall Parameters Optimization Based on Hybrid Particle Swarm Optimization Qingzhuang Ma, Weimin Cheng, Hui Cai, Xi Ma, Xueqian Shi
159_EMIE2022	Research on communication networking method in low voltage distribution station area based on improved ant colony algorithm Xinjun Li, Zhibin Yin
160_EMIE2022	The Site Selection Method for Shared Photovoltaic, Charging and Energy Storage Building System Chang Liu, Wenfeng Chen, Hongyuan Gao, Zhixun Wang, Mengjie Yuan, Feng Chen
161_EMIE2022	Correlation Analysis Between Multivariate External Data and Power Consumption Behaviors Based on Bayesian Network Wenqian Jiang, Xiaoming Lin, Zhou Yang, Jianlin Tang, Xiuqing Lin, Mi Zhou
162_EMIE2022	Design and Implementation of Web Information Extraction System Based on Crawler Wenjia Xie, Wenbin Zheng, Ping Tang, Yan Ting
163_EMIE2022	Research on Transmission Model of Hydropower Unit State Information Based on Data Distribution Strategy Xiaodong Wu, Chen Chen, Wenyuan Zhang, Shan Tang, Jianjun Dai, Tao Xu

164_EMIE2022	Landscape conservation design based on digital technology support Tong Ling, Yun Ma
165_EMIE2022	An image encryption algorithm based on improved low dimensional chaotic system Peng Zhang, Mo Chen
166_EMIE2022	Research of Container Two-dimensional Barcode technology Jichun Li, Shibo Xu, Jing Wang, Wensheng Cao
167_EMIE2022	Design of Digital Logic Gate Based on Memristor Nan Pan, Lei Li, Bolin Zhang
168_EMIE2022	Two-Round Three-Party PAKE Protocol over Lattices Haodong Xie, Yuanbo Guo
169_EMIE2022	Analysis of The Accurate Service Mode of Information Resources Wenbin Zheng, Haijun Guan, Kun Yang, Minli Zhao
170_EMIE2022	A Novel Parameter Estimation Method for ISRJ Chaoyu Wang, Xinhai Wang, Jindong Zhang
171_EMIE2022	LSTM-Luong algorithm based on entrepreneurial index closing price prediction research Tingjiao Shang, Shudong Zhang, Chenyu Sun, Yaping Wei
172_EMIE2022	Practical Calculation Method for Reliability Assessment in Power Distribution System Chao Xu, Weiyuan Wang, Bailiang Liu, Fei Dou, Jingmin Cheng, Zhendong Wan, Xuan Yu
173_EMIE2022	Research on zero sequence voltage transient characteristic identification algorithm for single-phase grounding fault Chi Zhang, Hui Qin, Jia Wang, Fan Lu, Yuqin Gao
174_EMIE2022	A deep learning method for household characteristic classification from smart meter data Ruikun Xu, Xinda Li, Lin Huang
175_EMIE2022	Planetary gearbox fault detection of wind turbines based on chaotic particle swarm algorithm and convolutional deep belief network Tao Tan, Jiandong Sun, Jia Wang, Fan Lu, Yuqin Gao
176_EMIE2022	Research on the Method of Improving the Collection Efficiency of Platform Curves Based on HPLC Technology Fangshuo Li, Ruichao Li, Jie Shen, Tao Wang, LinaLiu, Zhijiong Cheng, Li Yi
177_EMIE2022	Energy management strategy of PV-energy storage microgrid based on multi-mode switching and ICSO algorithm Hanmin Liu, Ming Li, Jie Ren, Lianbing Li, Dongying Li, Kun Sun
178_EMIE2022	Three-Phase Power Flow Algorithm for Distribution Network using a Standardized Matrix Form Jingzhou Cheng, Zheng Zhao, Xiaomin Zhang, Yemao Zhang, Jinrong Lin
179_EMIE2022	Optimal Location and Capacity Planning of PV in AC/DC Distribution Network Based on Improved Particle Swarm Algorithm Qianyu Zhao, Zhaoyang Han, Shouxiang Wang, Qi Li, Yichao Dong, Hao Mu
180_EMIE2022	Analysis of Temporal and Spatial Characteristics of Transmission Line Ice-covering in Jinhua Grid Based on Distributed Full-line Optical Monitoring Data Hao Gu, Tao Li, Zhuang Zheng, Junjie Zhao, Luyao Zheng
181_EMIE2022	A Rough Set-Based Integrity Checking Method for Relay Protection Data Yanfei Li, Shaoming Zheng, Xinpeng Yang, Juan Du, Peng Dong, Peng Guo

182_EMIE2022	Research on Operation Mechanism, Information Collection and Compliance Model of Hydropower Monitoring System Menghe Zhang, Jin Tang, Jingfeng Zhou, Hui Zhang, Yu Cao, Qinglin Yuan
183_EMIE2022	Security Architecture Design of Virtual Power Plant Based on Edge Computing and Blockchain Zhe Wang, Yibo Jiang, Lan Liu, Di Zhu
184_EMIE2022	Visual data acquisition method of intelligent power supply system under different power supply scenarios Yu Wang, Leigang Nie, Pei Li, Jiangwei Li, Hua Fu
185_EMIE2022	Research on Control Optimization of integrated intelligent energy system based on big data analysis Yongli Wang, Xin Chen, Siyi Tao, Boxin Du, Naifu Zhang, Hanshuo Xie, Jialin Yang
186_EMIE2022	GIS Partial Discharge Pattern Recognition Based on Random Forest Algorithm Zexin Yan, Ru Wang, Jiabin He, Zihan Sun, Chi Ma, Boyu Zhang, Jiangtao Li
187_EMIE2022	Distribution network cluster partition method based on multi-objective particle swarm algorithm Jingli Liu, Fei Jin, Xiaoliang Liu, Yang Qin, Ziyang Yin
188_EMIE2022	Energy storage system planning method for improving photovoltaic hosting capacity in cyber-physical system Yaoliang Cheng, Shouxiang Wang, Qianyu Zhao, Kai Wang
189_EMIE2022	An Auxiliary Strategy for Real-time Optimal Dispatch of Microgrids Based on XGBoost Machine Learning Algorithm Xiaorui Wu, Yanlu Huang, Ning Wu, Weidong Chen
190_EMIE2022	Influence of Different Recursive Least Square Algorithms on Online Parameter Identification of Li-ion Batteries Zhenjie Xie, Qiongbao Lin, Yin Zhan, Feihong Chen
191_EMIE2022	Surface Water-Groundwater Distribution in Southern Irrigation Area of Qinglongshan Irrigation District Hengyue Yang, Wei Dai, Licheng Shi, Meijian Bai, Shaohui Zhang, Yuan Shi, Kai Zhang
192_EMIE2022	Introduction to FinFET: Formation process, Strengths, and Future Exploration Heru Ding, Linfei Yuan, Bowen Yin
193_EMIE2022	Research and implementation of FFT AC sampling algorithm in medium voltage distribution terminal Ling Xing, Sanshan Zhou, Zhenyu Ma, Hong Ye, Jinsong Li
194_EMIE2022	Exploratory study of water resources project management information system Hualong Cai, Hu Chao, Caiying Huang, Ming Ouyang
195_EMIE2022	Dynamic Evaluation Model of Accounting Information System Credibility Based on Data Mining Chunxia Chen
196_EMIE2022	A Recommendation Algorithm that combines Rating Data and Review Text Xuan Wang, Cui Zhu, Bingxin Xue, Wenjun Zhu
197_EMIE2022	Research on the construction and security of enterprise data center based on VMware virtualization technology Minghao Wang

198_EMIE2022	Research on short-term photovoltaic power prediction method based on WOA-SVM Litao Liu, Dongming Song, Ying Yang, Wujun Hao, Zhi Liu, Rui Jiang
199_EMIE2022	On Ultra-short term Demand-side Flexibility Prediction and Optimization of Control Strategy Decomposition of Cold Storage Load Aggregation Lei He, Wang Xiao, Jianlin Jiao, Jiaying Tian, Tie Bao, Chuang Liu
200_EMIE2022	Optimization Model of EV Load Aggregation Regulation under the Coupling of Energy and Transportation Network Pu Guo, Junwei Han, Wen Wang, Ye Yang, Yue Zhang, Xiaofeng Peng, Wenjun Duan, Dunnan Liu
201_EMIE2022	Load Feature Image Identification Method Based on Convolutional Neural Network Zhukui Tan, Houpeng Hu, Saiqiu Tang, Bin Liu
202_EMIE2022	Design of Intelligent Energy-saving and Monitoring Management Cloud Platform for Urban Street Lamps Based on 5G Communication Ziyuan Han, Xuan Wang, Jingyao Qin, Mingwei Li, Qiao Wang
203_EMIE2022	Short-term hybrid forecasting model of wind power based on EEMD-ARIMA-LSTM Chengqian Ju, Fugang Li, Guangwen Ma, Shijun Cheng, Weibin Huang, Xiangrui Li, Shengjun Wang
204_EMIE2022	Temporal convolutional neural network with self-attention for short-term load forecasting Jing Cui, Xiaoyan Liu
205_EMIE2022	Coordinated Prediction Model of Microgrid Power Generation with Electric Vehicle Participation Based on LSTM and Kalman Filtering Algorithm Yang Liu
206_EMIE2022	A Spatiotemporal Charging Load Forecast of Electric Taxis Based on Travel Probability Matrix Qingzhu Wan, Xingfu Yuan, Xuejun Jin, Yu Zhang, Mingyang Li, Zhixuan Li
207_EMIE2022	Research on Comprehensive Benefit Analysis Model of Industrial Chain Value of Energy Internet Xubin Wang, Jun Zhang, Guanglong Xie
208_EMIE2022	Research on Multi-energy Complementary Clean DC Delivery Considering Sending-End Resources and the Matching Mode of Receiving-End Peak Load Regulation Shirui Feng, Fei Guo, Jianbo Hu
209_EMIE2022	Design and research of intelligent building central air conditioning monitoring system Jianwu Zheng, Zhen Huang, Zhenyu Ke
210_EMIE2022	Research on quantitative transportation system of cementing plugging Material based on fuzzy PID control Kun Wang, Yong Liu, Bo Zhou, Xiaolong Lian
211_EMIE2022	Application research of VRay rendering technology based on 3Dmax Lei He
212_EMIE2022	Development and Application of BIM Technology in Intelligent Construction Xiaomeng Tang
213_EMIE2022	A Review of SAR Images Target Recognition Based on Few-shot Ying Yang, Weigang Zhu, Jiaxin Li

214_EMIE2022	Leakage Inductance Modeling and Experimental Verification of the Special-purpose Coupling Transformers of Lineside Electronic Unit (LEU) Yaqiong Qiao, Zhiguo Liang, Jianjie Yu, Hongli Guo, Jianlei Gang, Shuai Bai
215_EMIE2022	Modeling and Fuzzy Control Study on Hybrid Energy Storage System for Pure Electric Vehicles Min Wei
216_EMIE2022	Collaborative Modeling Power Smart IoT Entity Services based on Extended Timed Automata Lei Wei, Weiwei Miao, Zeng Zeng
217_EMIE2022	Probabilistic Forecasting for photovoltaic power generation based on Bayes Ridge regression Fei Jin, Jingli Liu, Xiaoliang Liu, Yu Zhou, Ziyang Yin
218_EMIE2022	Research on Air Conditioning Load Forecasting Based on BP Neural Network Meijie Liu, Kai Gao, Zhongwei Li
219_EMIE2022	Intelligent Substation IOT System design based on edge computing Yiming Zheng, Ping Qian, Jiajun Lin, Chen Li, Wenlin He
220_EMIE2022	An Identification Method of Switchgear Insulation Defect Based on Partial discharge Statistical Characteristics and the Radar Map Yu Zhang, Hui Yi, Xueyou Huang, Weizhou Yu, Shuitian Li, Binbin Hu
221_EMIE2022	Research on Abnormal Energy Consumption Monitoring Model Based on BP Neural Network Di Zhu, Wei Zhao, Lan Liu, Zhe Wang, Xiaotong He
222_EMIE2022	Research on Fast Detection and Identification of Short Circuit Fault Based on Voltage in Multi-level Low Voltage AC System Bingyun Guo, Binghua Huang, Meifeng Zhang, Rongquan Chen, Xiren Miao, Shengbin Zhuang
223_EMIE2022	Homology recognition of multi voltage sag events based on perceptual hash sequence Tuo Deng, Liangfang Wu, Yongjie Tian, Haobo Wang, Junfu Liu, Fuquan Yong
224_EMIE2022	SOM-based Analysis Model of Anti-Stealing Electricity Jie Dong, Zhiruo Meng, Liming Song, Kaixuan Sha, Zun Huang
225_EMIE2022	Short-term power load forecasting based on BP neural network Licheng Zhong, Yulu Wang
226_EMIE2022	A Power Grid Start-Up Work Ticket Event Extraction Method Based on Domain Knowledge Graph Enhanced Model Longgang Qiu, Yuan Ping, Yue Zhang, Guangji Jiang, Shuai Huang, Yong Zhang, Min Deng, Congtan Chen, Pei Zhang, Guozheng Rao
227_EMIE2022	Multi Time Scale Wind Power Prediction Model Based on Improved ACA-LSTM Neural Network Hongqun Gu
228_EMIE2022	Research on automatic verification technology of virtual circuit in intelligent substation based on standard terminal library Junlong Wang, Guowei Dong, Lei Wang, Jinsong Zhang, Genhua Song, Yurong Mao
229_EMIE2022	Medium and long-term power load forecasting based on an improved grey forecasting model Ming Deng, Jiyuan Huang, Donglin Wu, Linjun Zeng, Junxiong Li

230_EMIE2022	Research on Key Software Testing Technology on the Operating System of Smart Meters Xinglin Guo, Bensong Zhang, Xiaofei Fan, Shenchen Pan, Haowen Wu
231_EMIE2022	Research on technical scheme of version management system of smart substation automation equipment Hongming Shen, Peili Yan, Yulei Jiang, Teng Feng, Xiaoli Wang, Xianglong Zhang
232_EMIE2022	Integrated Energy Allocation Model Based on Multi-Energy Load-Storage Coordination Chuanguang Fan, Bin Zhou, Feng Wang, Cheng Ye