Table of Contents

001_EEI2022	Key technology of intelligent monitoring and diagnosis system for electricity safety Fei Sha, Haoyu Chen, Bolang Chen, Yilin Lu
002_EEI2022	Integrated Design of Fast Access Regressive Orbit and Maneuver Launch Position Shaofei He, Zhenfeng Gu, Xiang Long, Gang Cao
003_EEI2022	Optimization of Power Grid Core Business System Based on SQM Information Push Yihua Wang, Wei Wu, Xiu Liu, Yijin Li, Jiuheng Luo
004_EEI2022	Research on a New Technology of the Condition Monitoring of Intelligent equipments in Intelligent Substations Liang Wang
005_EEI2022	Research on the Application of Optical Port Isolation Identification Tools for Intelligent Equipments Liang Wang
006_EEI2022	Research on Vehicle Interior Sound Quality Lin Zou, Xiang Ji, Yahong Li, Mingming Dong
007_EEI2022	A Large-scale Distributed Power Access Planning Method Considering Efficiency Benefits Yiming Han, Bin Zhang, Panlong Jin, Xing Tian
008_EEI2022	Development of battery structure and recent structure of lithium-ion battery Guanxu Pan, Yuhao Yan, Donghao Zhao
009_EEI2022	Nano TiO ₂ Hydrophilic Self-Cleaning Coatings Hongyu Dou
010_EEI2022	Research on random error analysis and noise reduction method of MEMS gyroscope Zhuangzhuang Dong, Wenliang Wei, Kaiwen Tian, Guangxin Cheng, Xudong Yu
011_EEI2022	A Design of flexible ramping product mechanism based on the D-1 electric energy trading Yuancheng Miao, Lifeng Wang, Qigang Wu, Xiaobi Teng, Siyu Hao, Haoxuan Chen, Baisong Zhuang, Zhe Chen
012_EEI2022	An improved Carrier Tracking Loop Design under high dynamic and low CNR conditions Qi Xiao, Ju Wang
013_EEI2022	Design of low-weight, small-size and high-efficiency equalization circuits based on switched-capacitors Yanhong Ding, Xin Zhao, Kun LI, Qing Liu, Gengxin Shi
014_EEI2022	Recent advances of nanostructured anodes for lithium ion batteries Qiang Tang, Sanpu Tang, Chenjing Zhang, Xuanyi Zhao
015_EEI2022	Analysis Method of Capacity Margin of Distribution Lines Based on Load Data Heng Zhang, Hairong Luo, Xing Zhang, Bo Gao, Juan Ding, Chaoming Wang
016_EEI2022	An overview in dynamic comparators optimization methods Yanling Zheng
017_EEI2022	DG Capacity Optimization Method for Distribution Network Based on Improved Particle Swarm Optimization Yunchi Qiao, Yuhong Zhang, Weiting Xu, Chengyu Yao, Min Li
018_EEI2022	Analog Circuit Fault Diagnosis Based on Genetic Algorithm Optimized DELM Runping Ma, Ming Ding
019_EEI2022	Cooperative fault handling method of 220kV power system based on relay protection and automation Cong Zhu, Lei Ma, Peng Yang, Liang Wang, Long Wang, Yuetai Li

020_EEI2022	Analysis and Prospect of Dynamic Measurement Technology for Cold Atom Gravimeter Fangjun Qin, Yueyang Wu, Hao Che, Dongyi Li, Chunfu Huang, Wenbin Gong
021_EEI2022	The application of nanotechnology in proton exchange membranes fuel cell (PEMFC) Kunyu Duan, Dongfang Wang, Haoran Xi
022_EEI2022	Optimization of Circuit Parameters of Battery Equalization Topology Based on Capacitor and Energy Bus Kun Li, Yanliang Zong, Qing Liu
023_EEI2022	A Single-Stage LLC resonant converter with bridgeless APFC Tingwen Xu, Xiaoming Jin, Xuejun Zou, Yidie Ye
024_EEI2022	A Comparison between Electric Aircraft and Hydrogen Aircraft to Achieve a Net-Zero Aviation Future Yujia Wang
025_EEI2022	Design Analysis of Dynamic Comparator Zhipeng Huang, Xinhui Li, Miaorui Wang, Jiawei Yang
026_EEI2022	The Overview of optimization methods in comparator design Chenghao Wang
027_EEI2022	Research on Comparator Design with Low Power Consumption and Improved Delay Gaoxiang Chen, Yuchen Fang, Haoran Ma
028_EEI2022	Research on Data Technology in Remote Detection of Transformer Bushing End Screen Fault and Design of Early Warning System
	Rui Liu, Zongxi Zhang, Yun Feng, Qian Xie
029_EEI2022	Grid planning technology and popularization and application of local distribution network based on particle swarm optimization Bin Zhang, Yiming Han, Panlong Jin, Jianfeng Gong
020 EFI2022	
030_EEI2022	A Research on the Improvements of Efficient Dynamic Comparators Jinyang Cai, Feihong Chu, Jiaqi Liu, Xuyue Zou
031_EEI2022	Research on DC Transformer Technology for Flexible DC Transmission Jiahao Guo, Shufeng Lu, Minrui Xu, Gang Chen, Fei Chen, Wen Gong
032_EEI2022	MPC-based Motion Control of Underwater Vehicle with Fixed Depth Wenjie Yu, Quan Liang, Neng Xiong, Chuanbo Hong
033_EEI2022	Comparison of Four Designs of Low-Noise Low-Power Comparators Caiwei Duan, Tao Han, Yu Lin, Zhiyuan Ma
034_EEI2022	Future Batteries: An Analysis of Electrodes and Electrolyte Advancements in High Energy Density Battery Systems Wenbo Bao, Cunshuo Li, Shuhao Liu
035_EEI2022	Improving Performance of Zinc Battery Xueqing Hu
036_EEI2022	Improved Dual-channel CNN-BiLstm rolling bearing fault diagnosis study Yuan Wang, Qingrong Wang, Yutong Zhou
037_EEI2022	Research on High Speed and Low Power Comparator Design Jingyang Cui
038_EEI2022	Pedestrian Crossing Light Assistance System Tang Sui
039_EEI2022	Design of PID Controller Based on Matlab Simulation to Improve System Performance Zheng Ma
L	I .

040_EEI2022	Design of On-chip FIB for 10G NDN Router Based on FPGA Jiangtian Lu, Hao Xing, Jikun Qiu, Xinyi Zhu
041_EEI2022	A research on thermal resistance simulation analysis for thermal test chip Jiawei Cai, Xiaorui Lv, Yingzhuo Huang, Pengrong Lin, Quanbin Yao
042_EEI2022	A Dual - power Intelligent System with Complementary Photovoltaic Power Supply Wanyu Yang, Dong Yan (Paper has been withdrawn)
043_EEI2022	Implementation Technology of DC Current Step Standard Based on TMR Sensor Ren Wang, Fangqing Li, Shaolei Zhai, Wenjing Su, Ye Cui, Hansong Tang
044_EEI2022	A new two-sampling point method for AC short-circuit fault identification Dong Yan, Wanyu Yang
045_EEI2022	Image copyright transaction system based on Hyperledger Fabric Nianfeng Li, Dezheng Jin, Lina Li, Tingting Zhang, Yuying Wang
046_EEI2022	Research on modeling method of dynamic satellite communication network based on time cumulative Graph Model Zhongwen Zhao, Guodong Li, Di Lu
047_EEI2022	Secrecy Performance for a Hybrid Satellite-FSO Communication System Xingyi Li, Nana Hu, Jun Wang, Li Zhang, Jiliang Zhang
048_EEI2022	A 100G Signal Acquisition System Based on FPGA Furong Sun, Zhiping Huang
049_EEI2022	Design and Implementation of Leach-x Routing Protocol based on Wireless Sensor Networks Zinan Hu, Shengtian Luo
050_EEI2022	Investigation of the transmission loss in sea fog environment based on Longley-Rice model Dongze Zhang, Weiquan Wang, Jian Luo, Tongpu Yu, Rong Sha, Fuqiu Shao
051_EEI2022	Garbage Classification System Based on Image recognition and Sensor Network technology Yuange Yang, Shuying Zhai, Xuanjia Zhang
052_EEI2022	A Real-time High-reliable Application-specific Fiber Communication System Henan Gao, Xvhuan Ji, Shanzhu Xiao, Huamin Tao, Huanzhang Lu
053_EEI2022	Power Allocation in OFDMA Cellular Network Based on the Optimized Water-Filling Algorithms Xiaoneng Xiang
054_EEI2022	5G Development and Modern Applications Xiangyu Wu, Wenjun Qiu
055_EEI2022	A-CS: Adaptive Compressive Data Gathering for Chain-type Wireless Sensor Networks Qiang Jia, Yiyi Zhang, Peng Guo, Kui Zhang, Jiang Liu
056_EEI2022	Patent Measurement Analysis of 5G Technology Xiaoshuang Wang, Wenjing Yang, Jing Zhao, Xiaogang Yang
057_EEI2022	Comparison of Fractional Frequency Reuse and Soft Frequency Reuse for Interference Management Zhikai Lu
058_EEI2022	Systematic error correction method for ground-based MIMO array imaging radar Qihong Dan, Tao Lai, Yunxin Tan, Pengfei Ou, Haifeng Huang
059_EEI2022	Research on the compensation method for damping mismatch of HRG Fan Bai, Shanshan Liu, Cong Liu
060_EEI2022	Simultaneous Water-Filling Allocation Plus Fractional Frequency Reuse for 19-Cell Network Shichen Zhang

061_EEI2022	Research and Improvement of Low Energy Routing Protocol Methods Wenhao Yang, Jizhou Yuan, Bochao Zhao
062_EEI2022	Backscattering characteristics of forest canopy for radio fuze Bing Liu, Xinhong Hao, Yanjun Chen
063_EEI2022	Comparison of COVID-19 images classification based on different fusion methods Wei Li, Jun Liao, Xiaoru Xu, Dongshen Yin, Lingyan Du
064_EEI2022	The Design of Pixel-level ADC for CMOS Image Sensor Resistant to TID Irradiation Mengyao Li, Shanli Long, Chuanqi Wu, Ziqian Zhang
065_EEI2022	Discriminant Feature Transformation for Domain Adaptation Jiangwei Qin, Xiaocui Sun, Jie Zhao
066_EEI2022	Long-Time Coherent Integration of the Maneuvering Weak Target for Wideband Radar Based on ACCF-LVD-KT Zijing Li, Qilei Zhang, Lei Yu, Zhen Dong
067_EEI2022	Multi-instrument signal Recognition on account of con—volutional NN Hairong Cui
068_EEI2022	Moving target imaging for vortex electromagnetic wave radar Lijun Bu, Qiqi Guo, Yijun Chen, Wenxuan Xie
069_EEI2022	Remote Sensing Alteration Information Extraction of Manganese Mineralization in Postmasburg, South Africa Haoxiang Shao, Dayong Yang, Honglun Chang, Xuesong Wang
070_EEI2022	Impedance matching of CG2H40010F using Smith Chart Qiankun Liu
071_EEI2022	Development and application research of 5G communication terminal in electric power industry Minkai Zhang, Haixuan Fu, Guangming Guo, Guofeng Zhao, Zijian Meng, Ming Hu
072_EEI2022	Research on Benefit Analysis Method of Communication Network Node Repair Xuejun Rao, Feng Wang, Xiaoshuang Wang, Zhengkang Zhou
073_EEI2022	Study on strain field monitoring system in ship transverse under hydrostatic based on OFDR Bo He, Yuanli Wang, Yiming Wang, Honghai Wang
074_EEI2022	Research and Realization of High Stability Fiber Bragg Grating Track Axle Counting System Xiang Ni, Yuanli Wang, Honghai Wang
075_EEI2022	Context-aware access control mechanism for service APPs in smart power terminals Bin Xu, Feng Zhai, Xiaobing Liang, Bo Gao
076_EEI2022	Research on the Voice Communication System Based on Soft Switching Liang Fu, Yun An, Le Li, Zengbiao He, Jian Wang
077_EEI2022	Near-Surface Atmospheric Scattering Rendering Method Guanxing Yuan, Shuiping Zhang, Bi Wang
078_EEI2022	Height Measurement Accuracy Improvement Technology Based on Antenna Array Calibration Jianyang Zhou, Linhai Guan, Zhile Qin, Yi Le, Kaixue Gu, Jun Ao
079_EEI2022	Simulation and experimental study on macro bending loss of single-mode fiber Shuaiqi Wang, Yuanli Wang, Honghai Wang
080_EEI2022	Clustering Algorithm Based on User Power Load Bowei Yang, Bojiang Liu, Fei Sha, Wenjun Wu

081_EEI2022	Index Evaluation System of Service Scenarios Under the Sharing of Energy Big Data Zhenhua Yan, Jia Liu, Rui Ma, Dongge Zhu, Feng Wang, Dunnan Liu, Zhiyuan Cai
082_EEI2022	Research on Data Ownership Based on High Dimensional and Multi-source Characteristics of Energy Data Zhangchi Ying, Jun Feng, Hongkai Wang, Ke Chen, Chunting Kang
083_EEI2022	Design of tower crane anti-collision algorithm based on two-dimensional coordinate system Xiaoli Wang, Zhouyun Fan, Bo Huang, Zhibin Li, Hongliang Cheng
084_EEI2022	Fault classification method of alarm information based on TextCNN Jiang Liu
085_EEI2022	Research on Composite Rapid Non-contact Detection Method for Surface Defects of Cylindrical Roller Qian Liu, Wei Shao, Zepeng Guan
086_EEI2022	Semi-global Stereo Matching Algorithm Based on Census Transform Jinjing Hu, Quan Liang, Wenze Yu
087_EEI2022	VideoSAR Target Tracking Algorithm by Integrating Shadow Detection Network and Global Nearest Neighbour Association Zhibo Liu, Lei Zhang, Xinrong Guo
088_EEI2022	A Real-Time Distribution Algorithm of Face-Recognition Data Based Tourist Volume at Tourist Attractions Huaping He, Xiuying Zhang, Min Zhang
089_EEI2022	Research on video control algorithm based on eye movement information Tingting Lv, Tiantian Zeng, Tianjun Li, Shengyong Chen
090_EEI2022	An intelligent distributed anti-collision control algorithm for UAV swarm formation Mingyu Nan, Yifan Zhu, Tao Wang
091_EEI2022	A fast binary encryption algorithm design for CAPP system Kai Liu, Yuewei Bai, Hua Mu, Fenfang Zeng
092_EEI2022	Optimal load distribution of thermal power units based on quantum genetic intelligence algorithm Huaguang Wang, Rongyuan Hu, Xuegang Zhang, Weixiang Qi
093_EEI2022	EC-DNNs: An efficient Training Engine for Edge Computing-Based agriculture IoT Songming Guo, Teng Wang, Xiyu Liu, Xinyu Liu, Wenqian Zhan
094_EEI2022	The Genetic Algorithm-based Optimal Solution of Water Balance Yifan Zhang, Qiancheng Yu, Lisi Zhang
095_EEI2022	Fast optimization of sparse array antennas based on improved fruit fly algorithm Jinyan Li, Mingdong Li, Dongchen Hao
096_EEI2022	Spot Center Detection Algorithm For Continuous Frame Extraction In Natural Scene Yi Li, Desheng Wang, Weigang Li, Xinwei Wan
097_EEI2022	Research on A-pillar Display Algorithm Based on Line-of-Sight Estimation Tiantian Zeng, Tingting Lv, Tianjun Li, Shengyong Chen
098_EEI2022	Active Extraction Method for Standardized Features of Energy Big Data Based on Dynamic Weighting Ke Chen, Zhangchi Ying, Hongkai Wang, Chengxin Zhang, Jiaqi Wang
099_EEI2022	Research on few-shot object detection algorithm Jingyuan He, Bailong Yang, Yuxing Liu, Yuan Tian
100_EEI2022	Research on data mining algorithm based on matrix Gaofeng Xu, Xuehui Zheng, Changxin Song, You Gao
101_EEI2022	An automatic construction method of village parcel polygons based on adaptive genetic algorithm Zhidong Liu, Ning Feng, Hong Mi
	•

102_EEI2022	COVID-19 Sound Recognition Algorithm Based on VGGmobNet Chenwen Wu, Xuetong Cao, Wei Peng
103_EEI2022	Intelligent Frequency Allocation Optimization Based on FFR and Water-Filling Algorithm in Cognitive
	Cellular Network Yiqing Hu, Lang Li, Peilong Yuan
104 EEI2022	Design and development of training quality management system of enterprise university and application of
	data mining technology
105 EE12022	Qingwei Zhang
105_EEI2022	Investigation of Network Efficiency Based on LEACH Algorithm Yu Sun, Baifang Wu
106_EEI2022	Research on an invasive low frequency power consumption data acquisition method Weijia Sun, Hui Wang, Yongfeng Liu
107_EEI2022	Design and implementation of permission management software based on vuetify3.0 framework Chao Li, Hui Liu, Baojun Liu, Minghui Ding
108_EEI2022	Adder design of three N-bit binary numbers based on hybrid Memristor-NMOS Jinsen Hu, Caigen Zhou
109_EEI2022	Alarm Algorithm for vehicle blind zone based on lightweight network Jiaxing Lv, Tianjun Li, Shengyong Chen
110_EEI2022	Subaperture Real-time Imaging Algorithm Based on GPU
	Yunxin Tan, Tao Lai, Pengfei Ou, Qihong Dan, Haifeng Huang
111_EEI2022	Construction of a digital twin information platform based on the Internet of Things Jie Chen
112_EEI2022	Multi-target tracking algorithm of vehicle-mounted millimeter-wave radar based on IMM-JPDA-STUKF Kai Jiang, Jianjiang Zhou, Ruiguang Lyu, Yiling Peng
113_EEI2022	Probing fiber parameters and predicting pulse evolution by using machine learning algorithms Zehang Ma, Rui Gong, Bin Li, Li Pei, Huai Wei
114_EEI2022	Quantization Algorithm for Human Foot Detection Based on Convolutional Neural Networks Jianguo Liu, Rui Zhang, Fuwu Yan, Yingzhi Chen, Xinjia Liao, Youhua Wu, Yunfei Sun, Dafang Hu, Nuo Chen
115_EEI2022	Water meter digital timing recognition system based on edge calculation Yingchao Wang, Na Li, Zhiqiang Ye, Jingjing Zhang
116_EEI2022	An array element mutual coupling error estimation and correction algorithm Huixu Dong, Yunfei Ling, Yan Yu, Hongyan Wang
117_EEI2022	A generation method of enterprise appropriate policy tags based on LDA Model Cuiping Tan, Feng Yu, Yuan Gao, Bin Hu
118_EEI2022	Network Intrusion Detection Based on Dual-Encoder Generative Adversarial Network Jinwen Huang, Libo Zhang
119_EEI2022	Classification of E-commerce Reviews Sentiment Tendency Based on ALBERT-SVM Wenli Cheng, Yuying Wang, Lina Li, Shaoqiang Wang
120_EEI2022	Application of intelligent mobile operation platform in the power marketing business Yijing Li, Shijun Zhang, Xu Gong, Qinyu Kang, Lei Mao, Ying Geng
121_EEI2022	Gaze Estimation Based on Single Objective Natural Conditions Ziming Liu, Tianjun Li, Shengyong Chen
L	

122_EEI2022	Computer intelligent recognition and comparative analysis of the aerodynamics of single or compound nasal consonants in Xiahe dialect
	Jing Wang, Yonghong Li
123_EEI2022	Optimization and Simulation of operation flow of Cainiao Station based on Anylogic Qingcheng Chen, Xiangquan Chang
124_EEI2022	A space time adaptive processing method based knowledge aided generalized SPICE Degen Wang, Tong Wang, Weichen Cui
125_EEI2022	Knowledge Distillation For Deep Learning Based Automatic Modulation Classification Shuai Wang, Chunwu Liu, Junhao Ba
126_EEI2022	Research on 5G+ Interactive Teaching Implementation Plan Yanjie Li
127_EEI2022	Research on interactive design method of power self-service terminal based on user experience Yilong Li, Qun Jiang, Yi Cai, Qianqian Mao, Wanfang Zhao, ChunLei Yu
128_EEI2022	Dynamic Optimization Model of Optimal Carbon-energy Combined Flow of Gas-electric Combined System Based on Consistent Hash Algorithm Ke Chen, Yuqing Xie, Haichao Huang, Jiaqi Wang, Chengxin Zhang
129_EEI2022	Design of Intelligent Garment Warehouse Monitoring System Based on Internet of Things Yanping Tan, Qingtong Lou
130_EEI2022	Study on detection method of diabetes retinopathy based on convolution neural network Sen Pan, Fenglian Liu, Riwei Wang
131_EEI2022	Joint Beamforming and Artificial Noise Design in Wireless Downlink Networks Xuan Cai, Yong Wang, Lei Wang, Junning Zhang, Hehao Niu, Mingxing Ke, Zhi Lin
132_EEI2022	Analysis of Power Marketing Strategy Based on Computer Artificial Intelligence Technology Ying Zhang, Kejia Pan, Yaorang Huo, Bingyan Deng, Yuhen Fu
133_EEI2022	The development of intelligent data service mode of university library applying artificial intelligence Chang'e Du
134_EEI2022	Semantic-Based Reasoning Engine for Service Orchestration in Mass Customization Manufacturing Yang Liu, Tianshi Zhang, Yanling Zhao
135_EEI2022	A Traffic Target Detection Algorithm Based on Hybrid Model Compression Method Wenze Yu, Quan Liang, Jinjing Hu
136_EEI2022	ResSE-UNet: A convolution network for automated skin lesion segmentation Huan Zhang, Mengqiu Zhang, Jing Liu, Ying Zhang, Dawei Qiu
137_EEI2022	Optimal Design of Grid Material Supply Model Based on Internet of Things Technology Xiaojian Wang, Yunxiang Zhu, Feng Tu, Yong Cai, Zhe Chen, Chao Zhang
138_EEI2022	EVAI: An Approach for Real-time Video-based Emotion Recognition Junling Zhao, Wenan Zhong, Dongjiu Zhang, Yuchao Wang, Meimei Song, Qiting Li
139_EEI2022	A Novel Training Samples Selection Method for Space-Time Adaptive Processing Xinying Zhang, Tong Wang
140_EEI2022	Research on Model of Mobile User Preference Mining Based on User Context Ruxia Hong
141_EEI2022	Analysis of the progress of machine vision-based surface defect detection technology Langyue Zhao, Yiquan Wu

EEI 2022

142_EEI2022	Ship dynamic intelligent rout optimization method Considering terrible weather conditions Xiaopeng Ding
143_EEI2022	Two-stage charging scheduling optimization of electric vehicles based on user behavior Chuanbo Hong, Quan Liang, Qiaoxin Liang
145_EEI2022	Design of intelligent control system for public art light environment based on BP neural network Shuo Yang, Kun Liu, Ming Liu
146_EEI2022	Simulation of Transistor Nonlinear Models to Validate Load-Pull Theory Qiankun Liu
147_EEI2022	Research on Detection and Defense Methods of Adversarial Samples Jingyi Cao, Lin Jiang, Ziqing Lin
148_EEI2022	Intelligent interior design based on BachGAN and StyleGAN2 Baisheng Qian
149_EEI2022	Hierarchical Obfuscation Malware Detection Method Based on Deep Learning Yihan Li, Zhangyuan Liu, Xin Guan, Zihan Wang, Xuan Guo, Song Wang
150_EEI2022	Research on the influencing factors of college students' moral personality and training strategies based on artificial intelligence technology Fei Li, Zehua Guo, Xun Huang
151_EEI2022	A Mission-based System Reliability Evaluation Method Xinyue Lee, Xiuyuan Tang, Pengyu Gao
152_EEI2022	Development of Virtual Simulation Experiment System of HVAC Pipe Network Under VR Technology Huawei Zhang
153_EEI2022	Intelligent identification of railway roadbed diseases based on unsupervised learning Kun Zhang, Cui Du
154_EEI2022	Application of digital twin technology based on urban brain in logistics management of smart hospital Yanyan Wang