

# **2023 IEEE 3rd International Conference on Data Science and Computer Application (ICDSCA 2023)**

**Dalian, China  
27-29 October 2023**

**Pages 1-828**



**IEEE Catalog Number: CFP23AU5-POD  
ISBN: 979-8-3503-4155-3**

**Copyright © 2023 by the Institute of Electrical and Electronics Engineers, Inc.  
All Rights Reserved**

*Copyright and Reprint Permissions:* Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

***\*\*\* This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP23AU5-POD
ISBN (Print-On-Demand):	979-8-3503-4155-3
ISBN (Online):	979-8-3503-4154-6

**Additional Copies of This Publication Are Available From:**

Curran Associates, Inc  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: (845) 758-0400  
Fax: (845) 758-2633  
E-mail: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

CURRAN ASSOCIATES INC.  
**proceedings**  
.com

# Table of Contents

PID	Paper Information	First Page
DA001	Research on multi-connection network selection algorithm based on SACM-FA Lin Dong	1
DA003	Image Denoising Based on Median Filter and UNet Xianli Li, Xueshan Wang, Yitian Tao	8
DA007	Application of LSTM-CNN model to forecast the rise and fall of CSI 300 Jiaxue Cai, Kaidi Zhang, Nan Jiang	15
DA009	Link prediction of directed knowledge network based on patent co-citation Wu Jiaxuan	21
DA010	Multi-Objective Cavity Filter Design Based on SR-BP Neural Network Surrogate Model Optimized by Slime Mould Algorithm Wei Zhang, Jian Qin, Jiabing Deng, Peng Wei	28
DA011	Spiking-Mix: A Modified Regularization Method Designed for Spiking Neural Network Rui Lin, Huipeng Chen	33
DA013	NCGAN: A Calibrated Oversampling Technique for Fraud Detection Yifan Yan, Quanzhou Xiang, Ziyuan Li, Yong Xia, Bing Zhu, Rujun Jiang	38
DA015	Research on Network Security Protection Techniques for the Central Station Side of Distributed Power Dispatch and Control Systems Xiao Zhang, Youhuai Wang, Wenlu Zhang	43
DA017	GDEMO-HAT: Knowledge-guided Medical Text Classification Using Heterogeneous Graph-based Dependency Modeling with Hierarchical Attention Yunfan Zhou, Hao Chen, Ying Li, Xuxue Sun, Hao Zeng, Aihong Qin, Tongqing Ma, Shanshan Shen	47
DA020	Predicting Wildfire Severity Classes Using Machine Learning and Deep Learning Paul Zhou	52
DA021	Security Strategy for Microgrid Distributed Power Dispatch and Control System Xiao Zhang, Yuxiong He, Zhihong He	57
DA023	Efficient Internal Model Control Based on Smith Predictor for PMLSM Servo System Considering Time Delay via Extended State Observer Yachao Liu, Jian Gao, Yongbin Zhong, Lanyu Zhang	61
DA024	A Zero Trust-based Approach for Secure Terminal Access in Distributed Power Grids Xiao Zhang, Shi Jin, Beibei Li	67
DA028	Simulation Test Method Research of Distributed Heterogeneous System Based on Scene Hongyan Zhan, Ran Yan, Muyu Li, Zhaowei Xu, Longli Tang	72
DA029	A Fault Warning Model Based on Big Data Cluster Technology Biao Wang, Qi Yan, Xuecai Wang, Yuxi Zhang, Wen Zhang, Xuechao Ren	77
DA030	Research on the Potential Assessment and Control Strategy of Air Conditioning Group Load Regulation Bin Guo, Yuanliang Zhang, Zhengyang Peng, Shaoliang Chen, Qingbin Zeng, Guohua Huang	81
DA032	An Improving Framework for Movie Recommendations with a Fusion of Deep Learning and K-Nearest Neighbor Algorithms Chen Xue, Chen Zhongwei	86
DA033	Generation and detection technology of intelligent building engineering based on digital twin and deep learning Liu Hongqing, Kong Sheng, Li Lin	91

<b>DA034</b>	A Radar Field of View Analysis Algorithm Based on Data Cleaning Bo Liu, Gang Chen, Yang Liu, Xi Zhao	<b>96</b>
<b>DA036</b>	Research on Enterprise Power Consumption Monitoring Based on LSTM Model Haoyue Peng, Hongliang Sun, Jinyang Jiang, Xin Yin, Fei Xiang	<b>100</b>
<b>DA038</b>	Application Research on Vehicle Mileage Calculation Based on GPS Monitoring Yu Yancheng, Wei Fengxuan, Song Gang, Zhang Li, Zhang Xinzheng, Gao Yong	<b>104</b>
<b>DA039</b>	Kinematics of Parallel Legged Biped Robot Chenghao Han, Guanwen Chen, Yuchen Liu, Dongrui Liu, Zhi Zhang, Rui Zhao	<b>108</b>
<b>DA040</b>	Research on Service Security Reinforcement Scheme Based on Application Gateway Wei Fengxuan, Yu Yancheng, Song Gang, Zhang Li, Zhang Xinzheng, Gao Yong	<b>113</b>
<b>DA041</b>	A lightweight biomedical named entity recognition with pre-trained model Yunhe Gou, Cao Jie	<b>117</b>
<b>DA043</b>	Segment anything model for subgrade distress detection with GPR Kangjie Ning, Chunpeng Zhou, Zhi Yu	<b>122</b>
<b>DA044</b>	A Heterogeneous Graph Neural Network Model for Electric Vehicle Purchase Propensity Prediction Xinru Huang	<b>128</b>
<b>DA045</b>	Byte-Sized Reviewers: Exploring Review Generation through LNRG-S Yiting Li, Min Fu	<b>133</b>
<b>DA046</b>	Research on extracting customer complaint work order's abstract in mobile customer service based on the combination of extractive and generative methods Junli Xu, Chao Xue, Zhaowei Ding, Kaiyue Guo, Ning Zhao, Yuanhao Hu	<b>138</b>
<b>DA048</b>	A Novel Approach to Learning Motivation Classification: Fusion of LSTM and Neural Ordinary Differential Equations Lai Xiaoqin, Zhou Siyun, Zuo Jianguo, Li Jianzhen, Lei Yuan, Jiang Caiyun	<b>143</b>
<b>DA049</b>	Algorithm for seed counting of adherent buckwheat based on area estimation Xinyu Wang, Shaozhong Lv, Xiaohua Sun, Zhengbing Xiong	<b>148</b>
<b>DA050</b>	Applications and Challenges of Inter-domain Routing Security Technologies Cuicui Wang, Yu Fu, Lei Xu	<b>153</b>
<b>DA051</b>	Research on the Data Collection Method of Intelligent Vehicle Terminal for Production and Operation Mengyuan She, Yong Gao, Xinzheng Zhang	<b>158</b>
<b>DA052</b>	A Clustering Algorithm for Health Care Big Data Governance System Zewen Du	<b>163</b>
<b>DA053</b>	Real-time Fuel Efficiency Prediction and Optimization Using Generative Adversarial Networks Li Yanxing, Chen Jichang, Zhu Xueping, Huang Ying	<b>169</b>
<b>DA054</b>	A Measures to Reduce Flashover Failure in Birds Hua Zhang, Jinghua Zhou, Jialin Li, Chenghao Lan, Qiang Zhao, Peng Ren	<b>174</b>
<b>DA055</b>	Measures to Improve the Pass Rate of Power Distribution Lines Yue Hua, Ling Guan, Xin Kang, Chuanbo Liu, Lu Han, Jin Guang	<b>179</b>
<b>DA057</b>	Development of "Distributed Photovoltaic + Electric Heating" User Intelligent Service Terminal Jialin Li, Puqing Liu, Xingyuan Qin, Qiang Zhao, Shuyi Tao, Wenjiang Gong	<b>183</b>
<b>DA058</b>	Power Fluctuation Suppression Method for WPT System Based on Additional Coupling Channels Wenjie Yuan, Jing Xiao, Xiaorui Wu, Wenlan Gong, Yuhong Mo, Chunsen Tang	<b>188</b>
<b>DA059</b>	High Misalignment Tolerance and Constant Voltage Output WPT System Based on DSFS-DD Pads Yuhong Mo, Yingjie Li, Jing Xiao, Xiaorui Wu, Wenlan Gong, Ning Wu	<b>193</b>
<b>DA061</b>	Research on the A-star Algorithm Based on Path Finding Yan Yang, Qiong Cai	<b>199</b>

<b>DA062</b>	Taxi Passenger Flow Prediction Based on Hotspot Clustering and Neural Networks Lingru Meng, Hongwei Su, Guoxing Wen	<b>203</b>
<b>DA063</b>	Research on Key Technology of Network Security Management Based on Artificial Intelligence Peihong Wang	<b>208</b>
<b>DA065</b>	A Method for Predicting Carbon Emissions in Regional Power Systems from a Systematic Perspective Jing Li, Chao Liu, Yu Li, Yi Zhu, Xinzhong Tang	<b>213</b>
<b>DA066</b>	Measures to Reduce the Risk of Public Opinion of Power Customers Based on Computer Network Monitoring Qiang Zhao, Jun Lv, Kuo Yao, Shuyi Tao, Xin Gao, Jiachen Sun	<b>219</b>
<b>DA067</b>	Common causes of long time to deal with 10kV capacitor defects and corrective measures Zhao Wenjing, Fan Yajun, Guo Chongpeng, Du Ke, Li Jin , Chong Lin	<b>226</b>
<b>DA068</b>	A Multi-Channel Wireless Power Transfer Method for Electric Vehicles Based on Magnetic Field Coupling Xiaorui Wu, Jing Xiao, Yuhong Mo, Wenlan Gong, Shaonan Chen, Renwei Deng	<b>230</b>
<b>DA069</b>	An Improved Attention Transfer Teacher-Student Model for Edge Deployment Wenyu Qu	<b>236</b>
<b>DA070</b>	Prediction of Controller Human Error Probability in Flight Conflict Resolution Based on THERP-HCR Guo Jiayi, Wei Xiaolong, Li Chao, Wang Peng	<b>240</b>
<b>DA072</b>	A Dynamic Management Strategy for Team Resources of Air Traffic Controller Zhang Jinyuan, Wei Xiaolong, Li Chao, Wang Peng	<b>246</b>
<b>DA073</b>	Deep Koopman-VAE Based Process Monitoring for Industrial Biosystems Yanhui Liu, Saiwei Wang, Libin Xu	<b>252</b>
<b>DA075</b>	Design of Intelligent Lighting System for Warehouse Chunming Zhang	<b>261</b>
<b>DA076</b>	The Design of Intelligent Epidemic Prevention Vehicle Jinpeng Zhao, Kexin Jin, Guannan Li, Lingxiao Wang	<b>265</b>
<b>DA077</b>	Carbon Emission Distribution Prediction Based on BP Neural Network and Probabilistic Power Flow Di Wu, Jun Su, Hanhan Liu, Zhengyu Chen	<b>269</b>
<b>DA079</b>	Research and Implementation of Ship/Unmanned Vehicle Collaborative Warfare Simulation System Qingjun Qu, Qicheng Meng, Kai Chen, Longwen Zhang	<b>275</b>
<b>DA080</b>	Study on SIR Dynamic Analysis on Team Resource Management of Air Traffic Controllers Yang Jiaqi, Wu Yarong, Li Ze, Li Shenghou	<b>280</b>
<b>DA081</b>	Analysis and Design of a Metal Object Detection Method for Wireless Power Transfer Systems Xiaorui Wu, Jingyue Wang, Jing Xiao, Yuhong Mo, Shaonan Chen, Wenlan Gong	<b>286</b>
<b>DA082</b>	A Cost-Effective Single-Input and Adjustable Dual-Output Wireless Power Transfer System Lijie Hou, Jing Xiao, Xiaorui Wu, Ning Wu, Yuhong Mo, Shaonan Chen	<b>292</b>
<b>DA083</b>	The reasons and improvement measures for the long time of replacing cross arm with 10 kV live Yuting Tang, Gongyan Zhu, Baozhen Liu, Dongliang Zhang, Liya Ma, Mingce Zhao	<b>296</b>
<b>DA085</b>	Analysis and Improvement of the Current Situation of Power Cable Handover Test Zhiyao Zhang, Song Gao, Gengye Chen, Lu Ren, Ming Han, Ruiqi An	<b>301</b>
<b>DA086</b>	Research on Online Detection Methods for Emulsion Using Ultrasound Gao Yan, Hu Jisheng, Zhang Cuiyun	<b>306</b>

<b>DA087</b>	Risk Prediction of a Domestic Regional Transportation Aircraft Based on Composite Models Zhanhai Wang, Jian Zhang, Liren Chen	<b>310</b>
<b>DA088</b>	Intelligent Electronic Lock 'Security Guard' Based on STM32 Microcontroller Jialiang Wen, Yun Zhang, Yuguo Sui, Sizhu Chen, Yinghao He	<b>314</b>
<b>DA089</b>	The Research on Server Signal Light Image Recognition Algorithm Based on SPD_YOLOV5 Li Zhong, Zhang Weifang, Su Yu, Kang Ningning	<b>318</b>
<b>DA091</b>	Research on Intelligent Customer Service System for Power Industry Based on Semantic Understanding Li Zhong, Su Yu, Kang Ningning, Zhang Weifang	<b>324</b>
<b>DA092</b>	The current situation of the investigation and improvement of the arc extinguishing coil fault Jing Liu, Wei Zhang, Rui Cao, Tongcheng Gao, Ming Tian, Ming Han	<b>330</b>
<b>DA093</b>	Analysis of a 220kV transmission line wind bias trip fault and windproof bias modification Yutao Liu, Tongcheng Gao, Haotian Xia, Lu Ren, Ming Tian, Yilu Han	<b>334</b>
<b>DA096</b>	Energy and Efficiency Analysis of the Wireless EV Charging System Based on LCC-LCC Resonance Network Xiaorui Wu, Fanbin Meng, Jing Xiao, Yuhong Mo, Ning Wu, Shaonan Chen	<b>338</b>
<b>DA097</b>	Analysis of Power Loss in Coupling Mechanism for Electric Vehicle Wireless Charging System Xiaorui Wu, Chen Hu, Jing Xiao, Wenlan Gong, Yuhong Mo, Ning Wu	<b>342</b>
<b>DA098</b>	Research and application of encrypted data transmission based on IPSec Shengbo Qu, Yulong Cheng, Xuesong Bai	<b>348</b>
<b>DA099</b>	Reasons and rectification measures for information disclosure of material nameplate Xuebing Guo, Beibei Zhao, Xueyan Guo, Shen Ding, Yusong Bai, Cong Bu	<b>353</b>
<b>DA100</b>	Design of STEM Teaching Network Publishing Framework Based on Web Interactive Programming Environment Danyang Li, Wudao Yang	<b>357</b>
<b>DA101</b>	Churn Prediction in Business Using Logistic Regression and Logit Boost Shijian Ma	<b>363</b>
<b>DA102</b>	Bubble Sort and Its Improved Methods Peng Qiuming	<b>367</b>
<b>DA104</b>	Some Improvements in Selection Sorting He Dinghua	<b>371</b>
<b>DA106</b>	Optimizing Portfolios with Modified NSGA-II Solutions Kaiyuan Lou	<b>375</b>
<b>DA107</b>	Design and Development of an Access Point Based on Secure Chip Pan Yu, Wang Chuncheng, Tong Xiaoyu, Wang Kang	<b>381</b>
<b>DA109</b>	State-fitting based field test method for fast-acting distributed feeder automation Jun Shi, Xi Yang, Xueting Wang	<b>386</b>
<b>DA110</b>	Design and Development of Gateway Based on State Grid Main Control Chip Xu Lei, Zhou Wenfeng, Tong Xiaoyu, Wang Kang	<b>390</b>
<b>DA111</b>	Based on the combination of CNN and LSTM, long and short sentence network education public opinion analysis Shuang Wu	<b>394</b>
<b>DA113</b>	An Ensemble Transformers Approach to Detect Bullying in Campus Environments Yuru Ma	<b>399</b>
<b>DA115</b>	Research and application of on-site debugging technology for intelligent distribution gateway Junhong Lin, Dan Wu, Liqun Han, Fu Huang, Xiaoyu Xie, Youhao Sun	<b>404</b>

<b>DA116</b>	Cryptocurrency Price Prediction with LSTM and Transformer Models Leveraging Momentum and Volatility Technical Indicators Siddharth Penmetsa, Maruthi Vemula	<b>411</b>
<b>DA118</b>	Research on software system for high performance hydrogen storage management system Su Zhang, Xiaoping Yang, Xuebing Lin	<b>417</b>
<b>DA121</b>	Research and Design of Real-Time Detection System for Car Surface Damage Based on YOLOv7 and Edge Devices Qin Fumin	<b>424</b>
<b>DA122</b>	Design of an Electric Vehicle Modeling and Visualization System Based on Industrial CT and Mixed Reality Technology Qin Fumin	<b>429</b>
<b>DA123</b>	Seq-CNN: A Lightweight and Efficient Neural Network for Sentimental Analysis of Text Xuan Li, Yuxiao Wang, Lijun Cheng	<b>434</b>
<b>DA125</b>	Research and Design of Cloud-Based Digital Three-Dimensional Scanning System for Denture Digitization Bangyuan Wu	<b>439</b>
<b>DA127</b>	Research on Intelligent Digital Denture Polishing System Based on Improved RRT Path Optimization Algorithm Bangyuan Wu	<b>444</b>
<b>DA130</b>	Production Security Evaluation Strategy of Power Data Center Based on Data Warehouse Zhenlin Huang, Xing Wen, Liuqi Zhao	<b>450</b>
<b>DA132</b>	Research on Tracking and Calculating Model of Branch Carbon Flow in Power Grid Based on Dynamic Carbon Factor Baoyu Hou, Zheng Hui, Yang Yu	<b>455</b>
<b>DA133</b>	Research on Intelligent Ammonia Detection System Based on NB-IOT Networking Technology Sun Xinyu, Chen Liangzhe, Wang Jinxiang, Xie Yaya, He Xijia, Yuan Qing	<b>460</b>
<b>DA134</b>	Research on Simulation and Optimization of Electric Carbon Model of Power Grid under the Lowest Carbon Emission Loss Hongda Zhang, Baoyu Hou, Yanjie Huang	<b>465</b>
<b>DA135</b>	Intelligent Curtain System Based on MCGS and PLC Luo Weiqi, Liu Meijun	<b>470</b>
<b>DA136</b>	Research on Safety Monitoring and Defect Identification Method of Oil and Gas Pipeline Based on Faster R-CNN Technology Hang Xin, Xiaoran Du	<b>474</b>
<b>DA137</b>	Optimization Research on Radar Signal Processing Technology Based on MTI-MTD Mingzheng Mao, Xinrui Han	<b>480</b>
<b>DA139</b>	Research on Navigation Algorithm of Mobile Robot Based on Laser SLAM Min Luo	<b>487</b>
<b>DA140</b>	Propensity Index Drives Information Spreading Fuzhong Nian, Zhugao Feng	<b>495</b>
<b>DA141</b>	Health status assessment of scraper conveyor electrical system based on cooperative game theory and cloud model Yuxuan Liu, Jianwei Liu, Enlong Ma	<b>499</b>
<b>DA142</b>	Application of leakage detection based on acoustic emission technology Xuekang Ma, Lei Qin	<b>504</b>
<b>DA144</b>	Power System Stability Assessment System Based on Big Data Analysis Hou Zhizi, Tian Rong, Gu Jiakang	<b>509</b>
<b>DA145</b>	Research on multi-source heterogeneous data fusion method for intelligent ship navigation test Ziyang Yu	<b>514</b>



<b>DA146</b>	Text Clustering Based on Binary Particle Swarm and Spherical K-Means Algorithm Luoyang Luo, Linrun Qiu	<b>517</b>
<b>DA149</b>	Tool wear prediction method based on KPCA and GWO-LS-SVM Hongjun Liu, Yiwei Hu, Yiming Wang	<b>520</b>
<b>DA150</b>	Nonlinear model predictive control method for carbon fiber angle link weaving machine tension based on neural network Zihua Zhu, Yufeng Wang	<b>525</b>
<b>DA151</b>	Precision Irrigation Decision Model Analysis Using Deep Learning and Embedded Systems Yan Wang, Na Liu, Guoqiang Wang, Wenjie Luo	<b>530</b>
<b>DA153</b>	Application of InSAR Technology in Deformation Monitoring of Overseas Power Survey Engineering Xu Tianyi	<b>539</b>
<b>DA154</b>	Sailboat Pricing Model Based on Machine Learning Shuxin He, Chong Zhou	<b>543</b>
<b>DA156</b>	Price prediction model for different types of sailboats based on XGBoost algorithm Zixuan Wei, Haodong Ren, Honghao Bao, Yi Lu, Bo'an Qu	<b>549</b>
<b>DA157</b>	Credit score card threshold optimization strategy based on simulated annealing algorithm Yuan Li, Jingjing Liu	<b>554</b>
<b>DA158</b>	Research on Altitude Control of Tandem Twin-rotor UAV Baihui Chen, Jincheng Li, Xinyi He	<b>560</b>
<b>DA160</b>	Research on Investment Strategy Based on LSTM Neural Network Prediction Xiyu Kuai	<b>566</b>
<b>DA162</b>	Used Sailboat Price Prediction: Based on Feature Split and Cascaded Tree Model Yanjie Qiu, Zhiyuan Liu	<b>571</b>
<b>DA163</b>	Research on Sales Forecasting Model Based on GRU Neural Network and Machine Learning Model Chunchang Zhang, Ruoxuan Shi	<b>575</b>
<b>DA165</b>	Wordle Distribution Prediction Model Based on Random Forest Zhang Wen, Zhaorui Jiang, Yutong Nie	<b>580</b>
<b>DA166</b>	CNN and TOPSIS Based Wordle Development Study Junhua Xue, Yishu He, Chenyang Yu	<b>585</b>
<b>DA168</b>	Active learning-based optimal strategy for Wordle Jingwen Tian	<b>592</b>
<b>DA169</b>	A Study on the Development of Wordle Based on Machine Learning Junzhe Jin, Yitian Yin	<b>597</b>
<b>DA171</b>	Prediction of the Number of Wordle Report Results Based on ARIMA and BIC Binwu Wu	<b>606</b>
<b>DA173</b>	Research on Wordle Development Based on Multiple Artificial Intelligence Models Yifan Du, Haojie Jiang, Zengcheng Ding, Jiayu Huang, Menglu Qi	<b>612</b>
<b>DA176</b>	A Market Transaction Model Based on Blockchain Technology for Multimicrogrid Networks Yijia Chen, Kai Li, Zhenzhen Liu, Zhenyang Liu	<b>618</b>
<b>DA177</b>	Used sailboat price prediction based on GBRT algorithm Shengpu Zhang, Xinhang Yan, Qixuan Sun	<b>623</b>
<b>DA182</b>	Performance Analysis and Structural Optimization of a Multi-purpose Inspection Robot Siyuan Gu, Guoqiang Cao	<b>629</b>



<b>DA183</b>	Research on the Everity Model of Grid Risk Assessment Based on Effect Theory Jinzhou Zhu, Xinlei Cai, Zijie Meng, Zhenfan Yu, Wukui Zhai	<b>635</b>
<b>DA185</b>	GGDP Global Climate Change Prediction Model Based on BP Neural Network Peiguang Ruan, Wei Lv, Jianfeng Zhang, Qiling Wen	<b>642</b>
<b>DA187</b>	Research on Accurate Three-Dimensional Modeling Technology and Intelligent Mining in Coal Mines Jianhui Ren	<b>647</b>
<b>DA188</b>	Power Analysis and Maximum Output Power Design of Wave Power Generator Mengyang Zhou, Wei Chen, Lidong Yue	<b>653</b>
<b>DA189</b>	Application of Coleoptera Elytra for Protection of Winged Drones Daniel Bao	<b>659</b>
<b>DA191</b>	Multi-strategy Collaborative Optimized YOLOv5s and Its Application in Distance Estimation Zijian Shen, Zhenping Mu, Xiangxiang Li	<b>665</b>
<b>DA193</b>	Application of Gray Support Vector Machine Combination Model in Energy Prediction Jie Zheng, Jinze Chen, Di He	<b>670</b>
<b>DA194</b>	Application and Research Based on RFID Technology Pengkai Guo, Zhuo Li, Yingnan Huang, Fangfei Li	<b>677</b>
<b>DA195</b>	Load Forecast Based on RF-PSO-VMD-Transformer-LSTM Kaiyao Tan, Enkai Zhang	<b>684</b>
<b>DA196</b>	The Application of PCA and K-means Model in Detecting Anomalous Transformers Ke Jin, Ya Li, Yixuan Tang	<b>690</b>
<b>DA198</b>	Rolling bearing fault classification method based on data simulation collaborative drive and transfer learning Tang Xiaoyu, Wan Zihan, Shen Yiyang	<b>696</b>
<b>DA200</b>	Application and Improvement of RCS/PCS Type Fiber Optic Current Differential Protection Joint Trip Function Renyi Xia, Qiongliang Chen, Qinwen Xia, Lei Huang	<b>703</b>
<b>DA201</b>	Optimal Dispatching Method for Power System Considering Multiform Flexibility Resources Yizhi Zhou, Xinhua Wu, Youxin Zhang, Sheng Zhou, Zhihai Gao	<b>707</b>
<b>DA204</b>	Analysis and research of retail customer consumption behavior based on support vector machine Xingyan Li, Weile Ye, Miaojie Zou, Fusen Guo, Zhixing Huang	<b>713</b>
<b>DA205</b>	Research on optimal train operation control strategy based on dynamic programming algorithm Luyao Zhou, Haoran Liu, Zehua Gao, Zhijie Shen, Qingyang Zhang, Jiawang Liu	<b>719</b>
<b>DA206</b>	Research on Circuit Parameter Model of DC Converter Based on Charge and Discharge Characteristics of Supercapacitor Ding Chen, Keju Shen, Yahong Lu	<b>725</b>
<b>DA211</b>	Computer Virtual Reality Automatic Control Database System Liu Xin	<b>730</b>
<b>DA214</b>	Research on Intelligent Data Mining and Processing System Based on Computer Genetic Algorithm Xin Chen	<b>735</b>
<b>DA216</b>	Research on Automatic Workpiece Sorting System Based on Machine Vision Linfeng Ji	<b>740</b>
<b>DA218</b>	Research on Electronic Commerce Visualization Intelligent Information System Based on Computer 3D Image Vision Technology Linfeng Ji	<b>746</b>

<b>DA219</b>	Design and Implementation of Intelligent Lock Control System for Data Center Based on Biometrics Fan Ding, Junwei Wang, Chunliang Yao, Xiangwan Huang	<b>751</b>
<b>DA222</b>	Research on Self-driving Vehicle Driving Status Monitoring and Trajectory Tracking Technology Yuxin Zhai, Yuchao Gao, Xin Wang	<b>758</b>
<b>DA225</b>	Research on the Recognition of Motor Imaging EEG Signals Based on the PSD and the SVM Jinye Xie, Kangyao Sun	<b>765</b>
<b>DA228</b>	The mechanism design of new concept rotor micro aircraft Zongxuan Liu, Chenjie Shi	<b>771</b>
<b>DA230</b>	Research on Surface Defect Detection in Submersible Pump Impellers Based on the Novel MXNet Deep Learning Model Shiyang Li, Cheng Li	<b>776</b>
<b>DA235</b>	Incorporating BERT with Naive Bayes into Neutral Sentiment Analysis Zesheng Shi, Tianhao Cao, Xiangyue Zhang	<b>782</b>
<b>DA237</b>	Research and development of intelligent decision support system for distribution network planning based on GIS Demeng Wang	<b>786</b>
<b>DA238</b>	Research on individual-based standardization model of energy economy coupling system Xiaoqing Zhang	<b>792</b>
<b>DA239</b>	Research on face expression recognition with subdivision structure based on depth learning Jiyin Gao	<b>799</b>
<b>DA242</b>	Dual-channel Text Classification Based on the Attention Mechanism Yaqi Yu, Lin Zhang	<b>804</b>
<b>DA243</b>	Research on hypertension prediction model based on XGBoost algorithm Yuming Qin	<b>809</b>
<b>DA244</b>	Construction of Computer Aided Model for Temperature Effect of Concrete Bridge Shichao Bi, Jianhua Yang, Quanhong Du, Hua Li	<b>813</b>
<b>DA245</b>	Application Research of Image Processing Technology in Safe Driving Distance Measurement Weitao Gao, Tiehua Ma, Changxin Chen, Chenbin Wang, Na Feng	<b>818</b>
<b>DA249</b>	Event-Triggered Sliding Mode Attitude Control for QUAV Jinyu Xu	<b>823</b>
<b>DA251</b>	Attitude control of a four-rotor drone based on event triggering Yiqiao Gao, Bingjie Lan, Ansheng Wei, Dengyu Liu, Chisen Liang, Jiawei Zhang	<b>829</b>
<b>DA252</b>	Incorporating text and emoticon features in sarcasm and irony detection: A deep learning-based approach Xinjun Ma, Tianning Li, Zhida Jin	<b>834</b>
<b>DA255</b>	Multi-Task Learning-based Research on the Problem of Conversational Emotion Recognition Huilin Mou, Yu Wang, Guangyu Lei	<b>842</b>
<b>DA256</b>	Research on Dynamic Risk Early Warning Monitoring Model Based on KPCA-LightGBM Algorithm Mengxian Tian	<b>849</b>
<b>DA258</b>	An innovative multi-factor prediction algorithm construction and importance analysis model based on GBDT-LightGBM Dingkai Wei, Yazhi Li, Mengxiao Li	<b>854</b>
<b>DA260</b>	Multi-view fusion adaptive key view enhancement based on structural similarity Xiaolin Zhou, Ailing Ding	<b>859</b>

<b>DA261</b>	Research on single-dual power supply scheme based on Prim greedy algorithm planning and reliability analysis Ziyang Zhuang, Jiaxuan Fei, Yang Liu	<b>866</b>
<b>DA263</b>	Applied Research on Attribute-Based Encryption Scheme with Two-level Encryption Zhuangjun Ma, Shuaiyu Zhou, Bohua Yu	<b>874</b>
<b>DA266</b>	Research on cargo shipment strategy based on hybrid genetic simulated annealing algorithm Ce Zheng, Ruiqian Dong	<b>880</b>
<b>DA267</b>	Research application of BP neural network algorithm based on genetic algorithm optimization Haodong Chi, Jingde Xie	<b>886</b>
<b>DA269</b>	Courier Demand Forecasting Problem Based on BP Neural Network Modeling Jing Geng	<b>891</b>
<b>DA272</b>	Metal Image Defect Recognition Based on CLIP and Computer Vision Yanqi Wu, Qinzi Luo	<b>896</b>
<b>DA273</b>	Diagnosis and Analysis of Insulation Damp Defect in a 220kV Current Transformer Leilei Zeng, Hua Wan, Nianping Yan, Lingyue Dai, Peng Wang, Jing Zhang	<b>904</b>
<b>DA275</b>	Research and design of a parking Internet of Things device management platform based on Hadoop big data technology Chongwen Wu	<b>908</b>
<b>DA277</b>	Research on CNN-LSTM based on attention mechanism for wind power generation prediction Chenglin Tang, Junjie Lu	<b>913</b>
<b>DA278</b>	An improved SIRS model based on genetic algorithm Zhonghao Zhao, Tiancheng Li, Yongqi Wang	<b>918</b>
<b>DA280</b>	Multi time scale scheduling strategy and modeling considering photovoltaic uncertainty Juntao Zhang, Yaoyi Li	<b>924</b>
<b>DA282</b>	Parameter Estimation of Photovoltaic Cell Model Based on Improved Particle Swarm Optimization Bofei Yang, Shuke Zhao, Haijie Zhi	<b>929</b>
<b>DA286</b>	Research and Application of Prediction Model Based on Random Forest Algorithm Jing Geng, Yifan Zhai	<b>935</b>
<b>DA287</b>	Research on E-Commerce Digital Information System Based on Computer Internet Technology Linfeng Ji	<b>939</b>
<b>DA289</b>	Pest and Disease Detection Based on Data Augmentation Wenjun Jia, Nan Yang, Yiping Lu, Peng Deng	<b>944</b>
<b>DA290</b>	Design and Research of Cloud-edge Resource Security Management Scheme Based on Zero Trust Architecture Wen Song, Mingming Zhang, Hui Liu, Jing Cai	<b>950</b>
<b>DA291</b>	Java-based Development of a Vehicle Speed Recommendation Model for Assisted Driving Xinying Liu, Hongjie Tao	<b>955</b>
<b>DA294</b>	Research on Game Analysis and Prediction Based on ARIMA Time Series Model Tuo Pi, Chong Liu, Yuchen Wu, Shiyuan Li, Huiying Hu	<b>964</b>
<b>DA295</b>	Aerodynamic analysis and piloted flight simulation of a single-rotor helicopter Lai Zhang, Yiqiang Mu	<b>969</b>
<b>DA299</b>	Application and Improvement of LSTM in Power System Prediction Rui Nie, Hongyi Li	<b>975</b>

<b>DA303</b>	Elevator Operation Safety Online Monitoring System Overall Functional Framework Design Peng Shao, Bo Zheng, Xiaozhou Tang, Chao Chen, Libiao Zhao, Xuefeng Hou, Mingyue Zhou, Huipin Lin	<b>981</b>
<b>DA306</b>	Research on the Application of Intelligent ChatGPT in Computer Intelligent Computing System Xin Chen	<b>985</b>
<b>DA307</b>	MMC-HVDC modeling considering the delay characteristics of control links and parameter optimization methods for improving stability Yanxu Wang, Shangxuan Li, Yechun Xin, Yihua Zhu, Jiawei Yu, Dongxu Chang	<b>990</b>
<b>DA311</b>	Prediction of hospital stay for patients undergoing partial hip replacement surgery based on machine learning algorithms Yi Yao	<b>996</b>
<b>DA312</b>	Research on ChatGPT Translation System of Computer Cloud Translation Platform Technology Jiang Xuelong	<b>1000</b>
<b>DA314</b>	Research on Dispersion Profiles of Liquid-core Polarization-maintaining Fiber Xin Guo, Kai Yang, Shuaihong Qi	<b>1005</b>
<b>DA315</b>	Blockchain Encryption Algorithm Based on Aggregated Signature Guangye Li, Chuang Ou	<b>1011</b>
<b>DA318</b>	A Flexible Pressure Sensor with Multilayer Physical Crosslinking Structure Based on MXene Zhendong Shi, Hongkai Li	<b>1017</b>
<b>DA320</b>	STM32 Microcontroller-Based Voice-Activated Anti-Throttle Mis-Stepping System Ziheng Guo, Honghui Dai, Jinyan Ye, Yinghua Song	<b>1022</b>
<b>DA323</b>	Research on Optimization of Network Mass Event Preplanning Based on Machine Learning Wei Xinran, Pan Lei, Lu Fengyun, Zhou Tao	<b>1029</b>
<b>DA324</b>	Research on optical amplification technology in steel ball surface defect detection based on EDFA Dongdong Gao, Guoping Li	<b>1037</b>
<b>DA325</b>	Research on distribution network fault zone location method based on improved matrix algorithm Linjing Geng	<b>1045</b>
<b>DA326</b>	Design of interface unit for microwave test equipment Cui Zheyuan, Yu Honghua, Li Xinyang	<b>1051</b>
<b>DA328</b>	Design and Fabrication of Mobile Visual Emergency Command Hall Based on Virtual Reality Jiu Yong, Jianguo Wei, Yangping Wang, Jianwu Dang, Yifan Sun	<b>1056</b>
<b>DA329</b>	Stock Prediction Using Evolutionary Attention-based LSTM Xinyi Chen	<b>1062</b>
<b>DA330</b>	A Deep Learning-Driven Disease Classification Method Using MIMIC-III Database and Natural Language Processing Yirui Dong	<b>1068</b>
<b>DA334</b>	Intelligent detection and recognition of pulley paying-off defects based on improved YOLOv5 Ya'ao Zhou, Ming Jiang, Yueru Zhu, Peng Li, Wei Zhang	<b>1073</b>
<b>DA335</b>	Research on the Application of Digital Twin Technology in Intelligent Information System of Modern Logistics Warehouse Na Li, Jie Sun	<b>1082</b>
<b>DA337</b>	Research on Intelligent Storage System Based on Computer Big Data Twin Technology Wei Yao, Jie Sun	<b>1087</b>

<b>DA340</b>	Research on the Whole Process Information System of Cold Chain Supply in Artificial Intelligence Logistics Enterprises Chen Du, Jie Sun, Yanling Fan	<b>1092</b>
<b>DA341</b>	Research on English Data Intelligent Retrieval Terminal System Based on Computer 3D Image Vision Technology Chang Liu, Lei Yang	<b>1097</b>
<b>DA343</b>	Research on Network Security Protection System under Computer Digitization Technology Yu Weibo	<b>1103</b>
<b>DA344</b>	Research and application of improved Faster R-CNN model for pest identification Hongyu Xiao, Nannan Zhao, Xiaojun Cui, Zihang Gao	<b>1108</b>
<b>DA345</b>	Prediction for Photovoltaic Power Generation Based on Multi Feature Gradient Descent Mixture Model Wenzheng Pan, Haokai Gui, Jianing Wang, Chenxin Ding	<b>1116</b>
<b>DA348</b>	Improved Grey Wolf Optimization Algorithm Based on Secant Inertia Weight Strategy Pi Jiaming	<b>1121</b>
<b>DA349</b>	Analysis of HEM Parameter Identification Results Based on Experimental Data Chen Dacai, Chen Xue, Li Jiyu, Cheng Nuo	<b>1127</b>
<b>DA350</b>	Research on Scientific Recovery Training after Sports Injury with Computer Assistance Yongbing Chen, Jing Hu	<b>1130</b>
<b>DA351</b>	Research on the Computer Aided Physical Education Distance Teaching System Yongbing Chen, Mingxiang Liu	<b>1135</b>
<b>DA353</b>	Computer Artificial Intelligence Technology in CAD Industrial Drafting and Design Platform System: A Review Qin Yonghong, Shahrman Zainal Abidin, Oskar Hasdinor Hassan, Azhari Bin Md Hashim	<b>1140</b>
<b>DA355</b>	LED Lighting Modern Furniture Decoration System with Computer 3D Modeling Technology: A Review Yu Zhicheng, Shahrman Zainal Abidin, Natrina Mariane P.Toyong	<b>1146</b>
<b>DA356</b>	Research on Intelligent System of 3D Software Cultural and Creative Product Design Based on Computer Artificial Intelligence Technology Yuan Xing	<b>1151</b>
<b>DA360</b>	Research on grounding distance protection of grid-connected photovoltaic power station based on adaptive branch coefficient Gan Wenfeng, Chen Baihan, Liu Jiayu	<b>1156</b>
<b>DA362</b>	Design of Logistics Distribution Scheduling System Based on Computer Digital Twin Qingqing Kong, Hengchao Zhou, Yingling Du, Na Liu	<b>1161</b>
<b>DA366</b>	Research on English Customized Distance Assisted Curriculum System Based on Computer "Internet +" Technology Xiaoying Song	<b>1166</b>
<b>DA368</b>	Design of Security Defense Mechanism for Worm Virus Attacks in Power Information Networks Xiaolong Li, Bo Wang, Xiaokang Wang, Wenqi Duan, Wenting Wei, Ning Wang	<b>1171</b>
<b>DA369</b>	Migration Deep Learning Model for Malware Detection in Power Information Network Security Xiaolong Li, Bo Wang, Xiaokang Wang, Wenqi Duan, Wenting Wei, Ning Wang	<b>1175</b>
<b>DA370</b>	Research on Computer Artificial Intelligence Simulating Basketball Player Tactics System Yi Sun	<b>1179</b>
<b>DA371</b>	A Numerical Computer Simulation System for the Influence of Physical Fitness Training Loads on Basketball Players Yi Sun	<b>1184</b>

<b>DA373</b>	Research on Planning of Connecting Large-Scale Electric Vehicle Charging Facilities to Distribution Network Zhuohan Jiang, Yudong Xie, Fangliang Gong, Shuncheng Liu, Hu Fan, Xiangzhao Chen	<b>1189</b>
<b>DA376</b>	Research on Optimal Scheduling Algorithm of Microgrid Energy Based on Game Theory Zhige Liao, Yao Liu, Minglei Huang, Xiaoying Huang	<b>1195</b>
<b>DA377</b>	Comparison between HEM and EDM in reflecting moisture information on oil-paper insulation Chen Dacai, Chen Xue, Li Jiyu, Cheng Nuo	<b>1202</b>
<b>DA378</b>	Application of Computer 3D Image Vision Technology in Intelligent Retrieval System Song Siqi	<b>1206</b>
<b>DA381</b>	Design of equipment cable detection equipment based on time-domain reflectometry technology Cui Zheyuan, Han Dong, Li Xinyang	<b>1211</b>
<b>DA382</b>	Research on High Resolution Deformation Monitoring System Based on Computer Time Series Ling Yi, Jie Wang	<b>1216</b>
<b>DA383</b>	ADMM two-dimensional angle estimation based on L-type arrays Yinghong Zhang, Wenhui He, Hui Xie	<b>1221</b>
<b>DA386</b>	Temperature Compensation Strategy of Fiber Bragg Grating Sensor Based on Improved Neural Network Optimization Algorithm Zhong Liu, Peng Li, Bing Tian, Qiancheng Lv, Zejie Tan, Baifeng Luo	<b>1225</b>
<b>DA387</b>	Fault Location Method of Power Cable Based on Distributed Fiber Optic Vibration Sensing Technology Bing Tian, Peng Li, Zhong Liu, Zejie Tan, Zhiming Wang, Qiancheng Lv	<b>1231</b>
<b>DA388</b>	Research on SDN Network Management Architecture in the Field of Electric Power Communication Gang Zhao, Peng Xie, Wei Zhang, Guangzu Li, Song Han, Wenli Huang	<b>1237</b>
<b>DA389</b>	An Engineering Control Method of SCR Denitration System Ma Zenghui, Wang Liangang, Liang Feng	<b>1243</b>
<b>DA391</b>	Research on the Application of New Intelligent Sensor Electronic Equipment in Automobile Shaoxuan Zhou	<b>1248</b>
<b>DA392</b>	Network Technology under Computer Big Data Network Information Security System Research Lanshuang Li, Yuzhen Feng, Yuanbao Feng, Zhihong Lu, Xiangyang Gao, Chuican Chen	<b>1253</b>
<b>DA395</b>	Enhancing Autonomous Driving with Grounded-Segment Anything Model: Limitations and Mitigations Zihao Zhao	<b>1258</b>
<b>DA396</b>	Modeling and Analysis of Aspect-Oriented High-Speed Railway Database Connection Pool Can Qu, Yuan Li	<b>1266</b>
<b>DA398</b>	Light absorption improvement and mechanism analysis of single photon avalanche diode with metal gratings Jing Ma, Chaohui Liu, Xiaojian Lan, Xiaoling Chen, Siguang Ma	<b>1274</b>
<b>DA400</b>	Research on the Design of Bidirectional DC/DC Converter Power Allocation Strategy for Super-capacitor and Battery Hybrid Energy Storage Yanqi Jia, Chunhai Dong, Xiao Feng, Zhenbin Xu, Zehan Ma	<b>1278</b>
<b>DA401</b>	The optimization study of energy conversion efficiency of supercapacitor energy storage device based on SOA Chunhai Dong, Yanqi Jia, Xiao Feng, Zhenbin Xu, Meng Ge	<b>1285</b>
<b>DA403</b>	Experimental study of corona noise suppression on AC transmission lines Qiangjie Qiu, Xiong Nie, Sheng Hu, Wei Chen	<b>1291</b>



<b>DA404</b>	Data-driven multi period operation optimization of active distribution networks Tong Xiaoning, Wang Yueqiang, Qiu Zhangquan, Huang Yang	<b>1295</b>
<b>DA405</b>	Vision-Based Outdoor Garbage Collection Robot Xinyan Jiang	<b>1301</b>
<b>DA407</b>	Wood defect detection based on YOLOV5 Hanxing Wang, Jiaqi Fei	<b>1306</b>
<b>DA408</b>	A Method for Automatic Registration of Realistic 3D Models without Control Points Haixing Shang, Wenyu Huang, Sihong Li, Xing Wen	<b>1313</b>
<b>DA410</b>	An Equivalence Evaluation Method of Target Simulation Based on Improved Correlation Coefficients Zhang Wei, Hu Liping	<b>1319</b>
<b>DA412</b>	VSC-HVDC decoupling control strategy for enhancing system inertia and damping Yihua Zhu, Ziqiang Wang, Jiawei Yu, Yechun Xin, Dongxu Chang, Yanxu Wang	<b>1322</b>
<b>DA413</b>	Research on Optimal Allocation System of Intelligent Rural Power Consumption Based on Computer Big Data Technology Weiming Li, Chao Wang, Yuzhou Qian	<b>1327</b>
<b>DA414</b>	Intelligent Bidding Method Based on Data OLAP Analysis and Matching Retrieval Dongting Dong, Zhanyong He, Chenming Wang, Sisi Feng, Ting Xie	<b>1333</b>
<b>DA416</b>	Establishment of second-hand sailboats price prediction model based on random forest and exploration of influencing factors Jingrui Liu, Zhiwen Hou	<b>1337</b>
<b>DA417</b>	Research on 3D Printing System Based on Computer 3Dmax Design and Modeling Wen Wang	<b>1343</b>
<b>DA419</b>	Fatigue Detection and Early Warning System for Drivers Based on Deep Learning Liangyan Zhou, Song Li, Yuanyuan Wang	<b>1348</b>
<b>DA422</b>	Research on cleaning integrated mechanical system based on artificial intelligence algorithm Li Weize, Shu Junhao, Zou Zhiheng, Liu Tongda, Louissi Delaunay Gloire Chancel, Xu Shuping	<b>1352</b>
<b>DA423</b>	Research on Artificial Intelligence Digital System Based on GPT Deep Learning Model Tang Meiyang	<b>1357</b>
<b>DA424</b>	Research on 3D GIS Data Modeling System Based on Computer Big Data Technology Censi Hu, Xin Zhou	<b>1362</b>
<b>DA425</b>	Deep Learning Diagnosis of Membrane Fouling Based on the Gramian Angular Field Method Jingxiao Zeng	<b>1367</b>
<b>DA427</b>	Research on Small Program of Smartphone APP Client for Remote Network Display of Rural Cultural Tourism Town Brand Xinru Li	<b>1372</b>
<b>DA428</b>	Research on the Application of Artificial Intelligence Personal Training Terminal in Assisting Double Cycle Talent Training in Dawan District Jiang Li	<b>1377</b>
<b>DA430</b>	Research on Interface Design System of Multimedia Color Course Based on Computer 3D Visual Communication Chao Zheng	<b>1382</b>
<b>DA434</b>	Research on Data Operation Monitoring and Analysis System of Computer Intelligent Cloud Platform Lin Dewei, Jiang Meiling, Zhang Helin, Xu Yiming, Yan An	<b>1388</b>



<b>DA436</b>	Research on Mid-Platform Scenario Operation and Maintenance System of Computer Cloud Platform Based on Enhanced Risk Prevention Zhang Helin, Zheng Zhiwei, Lin Dewei, Chen Rui, Lei Qinghai	<b>1394</b>
<b>DA437</b>	Research on Fast Analysis Model of Power Big Data Integrating 3D Data Visualization Scene Lin Qingrui, Lin Bixing, Gao Shuze, Yang Jiangping, Wu Chaowang	<b>1400</b>
<b>DA440</b>	Application of Data Center Technology in Power Data Resource Sharing Longjun Zhang, Yitao Zhuo, Tao Wang, Tianjun Wang, Jincheng Chen	<b>1406</b>
<b>DA441</b>	Distributed Computing and Data Processing Technology under the Power Data Middleware Architecture Yuelin Zou, Jia Shen, Rui Yin, Jiangtao Guo, Yi Guo	<b>1412</b>
<b>DA444</b>	Simulation of Substation Electrical Main System Based on Internet Interactive Virtual Reality Technology Yu Linlin, Shi Jie, Zhang Yanxia, Xue Qin	<b>1417</b>
<b>DA445</b>	Exploration on Artificial Intelligence Technology in Power System State Estimation, Monitoring and Early Warning System Shi Jie, Zhang Yanxia, Wang Xiong, Niu Xueying	<b>1423</b>
<b>DA446</b>	Exploration on Multi Network Monitoring Platform of Power System Based on Genetic Optimization Neural Network Shi Jie, Zhang Yanxia, Xue Qin, Wang Hanwen	<b>1430</b>
<b>DA448</b>	Investigation on Power System Dynamic Monitoring System Using Artificial Neural Networks Shi Jie, Zhang Yanxia, Yu Linlin, Zhuo Zhao	<b>1436</b>
<b>DA451</b>	Application of Deep Learning in Scalable Computer Network Design Software System Shi Jie, Zhang Yanxia, Hu Donggang, Qu Hongjun	<b>1442</b>
<b>DA452</b>	Evaluation on Power Equipment Operation Status Monitoring System Based on Data Mining Zhang Yanxia, Shi Jie, Yu Linlin, Zhuo Zhao	<b>1447</b>
<b>DA453</b>	Application Research of Computer Artificial Intelligence Technology in Cultural Confidence Online Open Course Platform System Dan Xiong	<b>1452</b>
<b>DA454</b>	Research on Fast and Corresponding Multi-Stream Data Management System of Power Pretraining Based on Central Weighted Data Stream Clustering Algorithm Han Liu, Xia Chen, Qing Guo, Jiangbin Yu, Xiaofei Liu	<b>1457</b>
<b>DA456</b>	Three-dimensional point cloud segmentation and inverse parametric modeling method based on comprehensive features Liqun Zhang, Cheng Che, Jiaxuan Zheng, Zhe Xiong, Hongye Deng	<b>1462</b>
<b>DA460</b>	Research on Remote Network Database System Based on Computer Image Vision Technology Rui Wang	<b>1467</b>
<b>DA462</b>	Real Time Object Tracking Using OpenCV Junyi Yang	<b>1472</b>
<b>DA463</b>	Exploring Deep Learning-Based Visual Localization Techniques Zhuoyi Yu	<b>1476</b>
<b>DA466</b>	An Empirical Investigation into the Performance of OFDM-IM Systems Using Matlab Yijie Ma	<b>1480</b>
<b>DA467</b>	Research on AI composition based on deep learning techniques Wenchu Wang	<b>1486</b>
<b>DA468</b>	Research on Cold Chain Logistics Control System for Quality of Fresh Agricultural Products under Computer Intelligent Temperature Control Lirong Liu, Chen Du	<b>1490</b>

<b>DA470</b>	A Novel Eye-tracking and Audio Hybrid System for Autism Spectrum Disorder Early Detection Alec Zhang	<b>1495</b>
<b>DA471</b>	Research on Digital Media Application System Based on Computer Artificial Intelligence Technology Tingjun Tan	<b>1501</b>
<b>DA475</b>	Event-triggered adaptive FTC for linear systems Shengnan Sun, Shengxin Zhang, Shengjuan Huang	<b>1506</b>
<b>DA477</b>	Research on the Technology of Generating Parametric Continuous Images of Comic Strip in Virtual Reality Environment Based on Machine Algorithm Xia Yuxin, Zhang Xiao, Fu Feiyan, Li Yan, Cai Jiayi, Wang Minghui, Wei Wei, Qin Jingyao	<b>1511</b>
<b>DA478</b>	Research on Computer Artificial Intelligence Interactive Labor Education and Training System Xingmei Yin, Xing Shi	<b>1516</b>
<b>DA479</b>	Study on Vibration Isolation Characteristics of UHVDC Converter Valve Saturable Reactor Menggan Ren, Jiali Ren, Dong Peng, Jianhua Song, Zhuang Li, Ersong Chen	<b>1521</b>
<b>DA481</b>	Multi-time scale coordinated control strategy for frequency regulation of doubly-fed wind turbines Yihua Zhu, Demao Lu, Jiawei Yu, Chengxiang Li, Shouqi Jiang	<b>1528</b>
<b>DA484</b>	Forecasting model of total import and export based on ARIMA algorithm optimized by BP neural network Siyu Zhang, Yichao Liu	<b>1534</b>
<b>DA485</b>	CloneBAS: A Code Clone Detection Method Based on Abstract Syntax Tree and Simhash Hongkui He, Tianchen Yu, Liannan Lin, Xinlei Zhong	<b>1539</b>
<b>DA488</b>	Research on glass composition analysis based on K-means algorithm and Lasso regression algorithm Yutong Chen, Chenrui Zhao, Qiyang Chen, Yuwan Li, Tiantian Fu	<b>1545</b>
<b>DA490</b>	Application of Intelligent Automated Settlement Monitoring in Surface Subsidence of Salt Caverns Based on GNSS Technology Li Sun, Zhenhua Wang, Changjiang Yang, Qiang Dai, Yuan Yao	<b>1551</b>
<b>DA491</b>	Research on Smart Power Grid Big Data Information Management System Based on Computer Cloud Security Database Technology Chen Ming, Zheng Lei, Xu Feng, Sun Xiaonan, Liu Qing	<b>1556</b>
<b>DA493</b>	Research on Cloud Security Power Grid Model Simulation System Based on Computer Big Data Technology Wang Xi, Chen Ming, Yang Shuang, Zhang Dingwen, Zhao Yibin, Xing Conghui	<b>1562</b>
<b>DA495</b>	Application Research of Computer Artificial Intelligence Technology in Intelligent Home System Shuiying He	<b>1569</b>
<b>DA496</b>	Priority Task Offloading Decision Optimization Based on Multi-Objective Grey Wolf Algorithm in Internet of Things Edge Computing Scenarios Luoyang Luo	<b>1574</b>
<b>DA498</b>	Extracting Visual Semantic Information for Solving Visual Question Answering Yuxiang Huang	<b>1578</b>
<b>DA500</b>	Research on MBTI Testing System Based on the Combination of Flask Framework and ORM Technology Rongji Zhou, Yuan Cui, Bo Hu	<b>1582</b>
<b>DA503</b>	Application of Computer Controlled UAV HD Image Technology in Sports Broadcast Qinsheng Li, Tong Wang	<b>1586</b>
<b>DA505</b>	Application of Carbon Emission Flow of Power Information Management System Based on Big Data Intelligent Analysis Sui Peng, Ke Luo, Yanxun Gu, Zhu Tong	<b>1591</b>

<b>DA506</b>	Optimization and Control of Composite Energy System Based on NSGA2 Algorithm Chong Gao, Kaifan Yang, Jiayuan Lai, Zipeng Xia	<b>1597</b>
<b>DA507</b>	Detectable Absorption Range Measurement of SOF <sub>2</sub> and SO <sub>2</sub> F <sub>2</sub> Using a System Based on Tunable Diode Laser Absorption Spectroscopy Chao Bian, Zhengdong Zhang, Xuan Chen, Tingyue Tan, Xinxin Fang	<b>1602</b>
<b>DA508</b>	Influence of Radius of Photoacoustic Cell and Background Gas Type on Photoacoustic Spectroscopy Gas Measurement System Chao Bian, Zhengdong Zhang, Kesong Ji, Peng Xu, Qiang Gan	<b>1607</b>
<b>DA510</b>	KG-IGNN: Knowledge Guided Inductive Graph Neural Network for Detecting Misinformation from Social Media Shaowei Zhang, Tongxuan Zhang, Guiyun Zhang, Yidan Wang, Yumeng Lin	<b>1612</b>
<b>DA512</b>	Reliability assessment method for distribution networks considering mains-distribution coupling Wentao Ju, Dong Xia, Wei Tang, Tao Han	<b>1618</b>
<b>DA515</b>	Infrared ship target detection method based on YOLOv5 Su Zhijin, Zhao Cheng, Zhang Haixia	<b>1623</b>
<b>DA517</b>	Research on intrusion data monitoring of outsourcing cloud server in large and complex laboratories of colleges and universities Ping Chen, Zhen Xu, Jianlan Liu	<b>1628</b>
<b>DA519</b>	Multi-objective optimization method of smart medical wireless sensor network coverage based on improved cuckoo algorithm Zhen Xu, Ping Chen	<b>1634</b>
<b>DA520</b>	Parallel Classification Method of Library Borrowing Data Based on Bayes Cheng Yi, Jieling Liu	<b>1640</b>
<b>DA521</b>	Research on distortion correction of fisheye image based on improved linear feature model Peishuang Sun, Jianwu Xie	<b>1646</b>