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260300076 Clinical Diagnosis and Treatment Query Language for Medical Record Knowledge Graphs ZHENG Kuo et al.
260400045 Chinese Sensitive Word Detection Based on Self-supervised Manifold Reconstruction and Multi-view Interactive Attention WANG Weijia et al.
251200179 Relation Extraction in Tabular Power Text WANG Jiahui et al.
250900080 Few-shot Relation Extraction Model with Prototype Representation Enhanced by Entity Boundary Features XIAO Yuhang et al.
260100179 Probability-enhanced Embedding-based Knowledge Graph Completion Method for Crane Intelligent Maintenance WANG Yingxue et al.
260400164 Causal Counterfactual Explanation Model Based on Variational Autoencoder CHEN Luo et al.
260100135 Variable Neighborhood Search-aided Differential Evolution Optimization for Influence Maximization Problem LI Xinyue et al.
260100115 Spatio-Temporal Interaction-based Graph Convolutional Network for Human Motion Prediction WANG Ru et al.
260300092 Research on Semantic-enhanced Multi-scale Multimodal ECG Representation Learning YE Zihao et al.
260400041 Research on Modeling and Optimization of UAV Delivery Path Planning for Factory SUN Zhe et al.
260300065 Multi-objective Memetic Algorithm Based on Q-learning for Solving Batch Production and Vehicle Routing Integrated Scheduling Problem with Vehicle Maintenance XIAO Ziang et al.
260200055 Emergence of Macro-behavior in Multi-agent Cooperative Navigation: from Local Interaction to Socially Aware Decision-making WAN Baishu et al.
251000044 Text Summarization Method for Multimedia Teaching Courseware Based on Cross-modal Semantic and Fusion ZHAO Tiantian et al.

251100108 Domain-Specific Multi-task Information Extraction via Parameter-Efficient Fine-tuning and Generative Data Augmentation FENG Haonan et al.
260700056 Kazakh Aspect-based Sentiment Analysis Method Based on Adversarial Training and Dynamic Masked Attention ZHANG Haijun et al.
260400052 Computational Framework for Emotional Topology of Long Narrative Texts and Its Application in Cross-cultural Literary Analysis LI Xiao et al.
260400004 Directed Relation-aware Entity Alignment for Cross-layer Networks LI Mingyue et al.
260100068 Construction of Multilingual Metaphor Alignment Corpus and Methods for Metaphor Generation WU Youjing et al.
260400025 User Intent-oriented Retrieval-augmented Generation for Regulatory Knowledge TIAN Chengyuan et al.
251200162 Biomedical Named Entity Recognition Method Integrating Knowledge Distillation and Adversarial Learning HOU Haiyu et al.
251200046 FinMECAT: Multi-mechanism Cooperative Model for Financial Sentiment Analysis LUO Xiaomin et al.
260500101 Crowdsourcing Task Allocation Mechanism Under Evaluation Bias Context JIANG Jiuchuan et al.
250900177 Complete Coverage Path Planning Method Driven by Grid Activity Value WANG Jiangtao et al.
260500085 Embodied Intelligent Robotic Equipment for Smart Operation, Maintenance, and Inspection of Electrical Power Systems ZHANG Tingrui
251200051 Semantic Matching Method of Aviation Maintenance Text Based on KG-RoBERTa DONG Qin et al.
260100105 Analysis of Acceleration Mechanisms of Quantum-enhanced Monte Carlo Simulations for Combinatorial Optimization HAN Bing et al.
251200097 Enhanced URCMO: Improved Algorithm for Large-scale Power System Optimization Problems YANG Cheng et al.
260400010 Multi-turn Dialogue Anomaly Detection Method for Intelligent Customer Service WEI Guohui et al.
260500131 Research on Excel Financial Model Analysis and Semantic Tracing Based on Knowledge Graphs LI Zhefei et al.

Image Processing & Multimedia Technology

260500065 Survey of Compression Techniques for 3D Gaussian Splatting FEI Chenxuan et al.
260400014 Heuristic Search-based UAV Visual Relative-Absolute Adaptive Fusion Positioning Method LYU Jinpeng et al.
260500067 Adaptive Person Search Method Based on Panoramic Feature Extraction and Dual-task Decoupling ZHANG Maoheng et al.
260100003 Attention Mechanism-based Early Fire Detection Scheme for Tunnels LIU Yeqiang et al.
260400034 ARM-Track: Multi-object Tracking with Dual-metric Adaptive Regulation and Track Reactivation SHANG Xingchi et al.
260200038 Vision Transformer High-frequency Feature Recovery Algorithm for Image Classification YAN Daisong et al.
260400165 Video Anomaly Detection Method with Text Guidance and Context-aware Prompt Tuning GENG Jianxun et al.
260100004 Fire Smoke Detection Method in Complex Scenes Based on CME-YOLO LONG Ping et al.
251100047 Multi-scale Digital Instrument Detection Method Based on YOLOv8n HAN Jiangjie et al.
251100007 Weakly Supervised Video Anomaly Detection with Multi-branch Feature Fusion and Text-prompt Guidance MO Zhongrui et al.
260100058 Motion-Blur Removal Method for Conveyor Belt Ore Images Based on Improved Inception-ResNet-v2 Architecture JIAN Yangzhi et al.
260400058 Unified-modal Codebook for Enhanced Cross-modal Retrieval in Text-based Person Search WU Yiming et al.
251200185 Fine-grained Image Classification via Multi-scale Feature Fusion and Channel Shuffling YU Kehang et al.
260300068 Steel Strip Surface Defect Detection Method Based on Multi-scale Feature Optimization BAO Guangbin et al.

251200193 Few-shot Image Segmentation Model Based on Prototype and Difficult Example Augmentation MA Handa et al.
251200129 Method for Proboscis Monkey Behavior Recognition and Tracking Based on Improved YOLOv8 and BoT-SORT BIAN Shan et al.
260100023 QKM-Net: Medical Image Segmentation Method Fusing KAN-Mamba Feature Reconstruction and Multi-directional Expert Mixing Mechanism LIU Gang et al.
251100092 FRT-DETR: Small Traffic Sign Detection Based on Multi-scale Feature Fusion of RT-DETR JIANG Yanji et al.
251000050 Research on Interpretability of TERP Based on Activation Map Features ZHANG Miaohang et al.
251000102 Sliding Causal Attention-based Mixture of Experts for Long-duration Speech Classification in Parkinson's Disease ZHANG Tao et al.
251000051 RML-Net: Efficient Colorectal Polyp Image Segmentation Algorithm Based on ResNet50 FENG Yu et al.
260300004 Deception Detection Method Based on Dual-path Network and Facial Expression Knowledge Transfer WANG Baohui et al.
250900017 Multimodal Stroke Severity Assessment Method Based on Acoustic, Visual and Text Cross-modal Feature Fusion JIA Ning et al.
260300112 Three-dimensional Gesture Reconstruction Method Integrating Multi-view Information and Token Decoding YU Chenghao et al.
251200101 YOLOv8n-AMCG: Visual Obstacle Avoidance Algorithm for Inter-workshop Unmanned RGV HU Lei et al.
260500144 Lightweight Cross-scale Gated Fusion UAV Small Object Detection Algorithm Based on Improved YOLOv8-s ZHANG Yunjing et al.
260400152 Extrinsic Calibration Method for Non-repetitive Scanning LiDAR and Fisheye Camera Based on Panoramic Spherical Projection QI Junfei et al.
260400005 Image Inpainting Network Based on Diverse Convolution and Hourglass Attention XIANG Hao et al.
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260300079 Deep Learning Inversion Model for Slope Moisture Fields Based on Prior Constraints LIU Chao et al.
260600124 Uncertainty-aware Unsupervised Transfer Learning for Ultrasonic Detection of Underwater Steel Pipe Corrosion CHEN Jiuye et al.
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260500017 Method for Three-dimensional Target Detection in Maritime Areas Based on Temporal Dynamics and Multimodal Reliability Fusion HUANG Pan et al.
251200105 3D Texture Reconstruction of Power Equipment Based on Improved PointDreamer ZHANG Na et al.
251100093 FedEGuard: Federated Learning Framework for Personnel Behavior Compliance Monitoring in Smart Power Plants SUN Jian et al.
250300052 High-resolution Power Component Defect Detection Based on Multimodal Large Models YANG Gang et al.
251100018 Heart Rate Detection Algorithm for Ballistocardiogram Signals Based on Time-Frequency Dual-branch Convolutional Neural Networks CHEN Xin et al.

Big Data & Data Science

251100005 Review of Hierarchical Forecasting Methods WANG Jun et al.
260100043 Graph Structured Drug Recommendation Method Based on Causal Reasoning MA Zeping et al.
251000049 Methodology for Real-time Failure Recovery of Remote Sensing Data Stream Processing Tasks in cloud Computing Architectures XIAO Binhan et al.
251100046 Robust AdaBoost Regression Model Based on Isolation Forest Algorithm XIE Jin et al.
251000143 Hierarchical Diffusion Contrastive Enhancement Method for Multimodal Recommendation ZHANG Jiazhe et al.

251000073 Research on Crowd Flow Classification Algorithm in Key Places During Specific Time Periods LU Fengling et al.
260600059 Dual-branch Network Integrating Frequency-domain Enhancement and Spatiotemporal Graph Propagation for Agricultural Machinery Trajectory Operation Mode Identification MOU Ruiheng et al.
251200126 MERF: Multi-modal Expert Routing Framework Based on MOME for Predicting Postoperative Pulmonary Complications XU Chengcheng et al.
251200163 Unsupervised Feature Selection via $\ell_{2,0}$-Norm and Adaptive Graph Self-representation ZHU Jianyong et al.
251000072 Single-channel Sleep Staging via Multi-scale Spatio-Temporal Modeling Within Dynamic Weight Transformer Architecture WANG Chanfei et al.
250900170 DBD: Investigation on Classification and Distribution for Deadlocks in Big Data Systems YU Zhen et al.
260500155 STGMLP: Spatiotemporal Multi-source Fusion Model for Dissolved Oxygen Prediction in Large-scale River Basins ZHAO Jia et al.
251100049 Power Load Forecasting Method Integrating Modal Decomposition and Graph Attention ZHANG Wei et al.
250800058 Typical Fault Diagnosis Method of Elevator Based on LCOOA-RF SUN Qing et al.
260100122 TCVAE: Robust Semi-supervised Anomaly Detection Method for Industrial Time Series Stream Data WANG Zhonglei et al.
260400143 Self-supervised TCN-Transformer Framework with Adaptive Masking and Bounded Anomaly Loss for Time Series Anomaly Detection HUANG Haoran et al.
260400150 Cross-domain Data Contribution Evaluation Method for Retrieval-augmented Generation ZHANG Qunhong et al.
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251000110 Research on LSTM Space Target Orbit Prediction Based on Attention Mechanism Enhancement LUO Qingshan et al.
251200074 Verification of μ-calculus Properties of Non-relational Databases Based on Abstract Techniques WANG Xiaolong et al.
251000028 Channel and Statistic Self-fusion Multi-scale Transformer Time Series Prediction Model LI Chuanlong et al.
251000060 Research on Application of A* Algorithm Integrating CNN in Dynamic Path Planning of Complex Industrial Environments WANG Zhiyi et al.
260300103 Informer Power Load Forecasting with Integrated Feature Semantic Embedding LIN Xiaoming et al.
260300011 Identification Method of Electrical Fire and Electric Shock Types in Urban Villages Based on Improved Deep Learning WANG Zihu et al.
250800022 Method for Identifying and Tracing Abnormal Clearing Prices in Electricity Spot Market Through Multi-feature Analysis SONG Jifeng et al.

Network & Communication

260400087 Review and Outlook on Semantic Communication Technology Simulation HOU Shouquan et al.
260500097 Parallel Computing for Deep Learning Models Under Edge Heterogeneity: Review and Outlook LU Peng et al.
260400106 Low-latency Gamepad Redirection System for Remote Desktop Interaction WANG Yichen et al.
250900175 Human Action Recognition Based on Wi-Fi CSI Using Improved Parallel Neural Network CHEN Guoqing et al.
260300031 Multi-objective Genetic Evolutionary Task Allocation Scheme for Spatial Crowdsourcing ZHANG Shun et al.
251100029 Cloud-edge Collaborative Task Offloading Modeling and Performance Analysis Based on Queueing Networks YANG Xijuan et al.
260500009 Indoor RFID Fingerprint Localization Algorithm Based on RSSI LIU Tingting et al.

260400103 Multivariate Network KPI Forecasting Model Based on Trend-Seasonal Decomposition, Attention Mechanism, and Temporal Graph Modeling BAO Aliya et al.
260400140 UWB-VIMU Dual-loop Correction-based Personnel Localization for Offshore Wind Power Environments YANG Rong et al.
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260400174 RL-PAMF: Profit-aware Virtual Machine Migration Framework for Industrial Cloud Based on Deep Reinforcement Learning LIU Yubin et al.
260200064 Method for Improving the Accuracy of UWB Indoor 3D Positioning Based on Drift-Offset Combined Modification WANG Feng et al.

Computer Software & Architecture

260500128 Preliminary Study on Introducing file Keyword into Interface Description Language WANG Xianchang
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251100111 Research on Automatic Identification and Optimization Method for Microservices at the Method Level ZHONG Linhui et al.
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260300067 Migration and Optimization of RWKV-7 Network for Ascend AI Platform LI Enze et al.
260400030 Research on Qubit Mapping Based on Multi-strategy Collaborative Jellyfish Search Algorithm DU Zuoqiang et al.

Information Security

260200060 Real-time Distribution-aware Dynamic Secure Inference QI Zitong et al.
260500119 SPEAR: Split-mask Precomputed Entropy-Aware Aggregation for Resilient Federated Learning LIAO Yuxuan et al.
251100013 Federated Learning Algorithm Based on Wiener Deconvolution and Diag-Fisher Dropout YANG Yingxiang et al.
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251000087 Wi-Fi Network Node Resilience Evaluation Based on Entropy Weight and TOPSIS WANG Jiajie et al.
260500071 Design and Implementation of Closed-loop Verification System Integrating Data Recovery and Secure Wiping WEN Lifa et al.
251100138 Attention-based Backdoor Attack on Chinese Text ZOU Yujuan et al.
260100054 Efficient Privacy-preserving Record Linkage Based on Record Blocking and Information Separating WANG Shuo et al.
260300023 Ransomware Resilience Simulation: Threat Path Reachability Analysis System Based on Multilayer Networks CHENG Zekai et al.
260500028 Domain Adaptive Framework for Anomaly Detection and Confidential Information Localization of Complex Power Multimodal Documents CHENG Kai et al.
260400036 Towards Efficient Calculation of Conjugates Sums of Algebraic Point on Elliptic Curve LIU Zhuang et al.