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| <b>EA307</b> | Research on Foreign Object Detection and Localization of Power Transmission Lines Based on CAFM-YOLO Model and Binocular Stereo Vision Technology<br>Rong Wu, Bin Zou, Kaifeng Chen, Chaoqun Yao                                                       | <b>1128</b> |
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| <b>EA399</b> | Research on social media user forwarding prediction algorithm based on data analysis<br>Hanjing Guo                                                                                                           | <b>1501</b> |
| <b>EA400</b> | Path planning algorithm of power inspection UAV based on multi-modal data<br>Kang An, Li Li, Fangzhou Hu, Wenjin Ji, Wenhao Mo                                                                                | <b>1506</b> |
| <b>EA401</b> | Research on computer image recognition and classification algorithms for complex scenes<br>Ziyao Zhou                                                                                                         | <b>1514</b> |
| <b>EA402</b> | Research on Knowledge Graph Entity Recognition and Relation Extraction Algorithm Based on Deep Learning<br>Tingjun Tan, Wenming Yang                                                                          | <b>1521</b> |
| <b>EA404</b> | Research on Key Technologies of Network Security Situational Awareness Based on Big Data<br>Yuxiang Li                                                                                                        | <b>1526</b> |
| <b>EA405</b> | Structural design and motion analysis of parallel ankle joints for humanoid robots<br>Shilin He, Fusheng Zha, Lianzhao Zhang, Zhicheng He, Xiangji Wang, Weicong Zheng                                        | <b>1531</b> |
| <b>EA406</b> | Control of switchgear actuator of substation inspection and disposal robot based on teleoperation<br>Yuan Jia, Hao Zhang, Jiawei Wang, Yiming Chen, Zijian Yang, Huijuan Li                                   | <b>1537</b> |
| <b>EA407</b> | Research on Distributed Optical Fiber Acoustic Sensing Technology for Hydroacoustic Demodulation<br>Ziyi Wang, Hengrui Liu, Jiahao Liu, Hanwen Zhang, Yibo Yuan, Guangxin Liang, Zixiang Jia, Jianyu Li       | <b>1541</b> |
| <b>EA408</b> | Motion Optimization of a Six-Degree-of-Freedom Robotic Arm Based on Denavit-Hartenberg Parameter Method and NSGA-II<br>Zichong Wang, Ziyang Jin                                                               | <b>1545</b> |
| <b>EA410</b> | Research on Social Network Influence Maximization Algorithm Based on Graph Neural Network<br>Hancong Huangfu                                                                                                  | <b>1552</b> |
| <b>EA411</b> | Research on power transformer maintenance strategy based on RCM and multidimensional normal cloud model<br>Yue Yang, Hua Xun, Xiayao Zhao, Ziming Fan                                                         | <b>1557</b> |
| <b>EA413</b> | Research on Early Warning and Monitoring Technology for Severe Weather Conditions on Highways<br>Zhang Huaqing, Wang Wenning, Wang Jinbin, Sheng Xue, Li Bingqian, Bi Lili, Liu Mengqi, Liu Wenjun, Ran Deqin | <b>1562</b> |
| <b>EA414</b> | Research on Deep Learning Algorithms for Predicting DNA-Binding Proteins Based on Sequence Information<br>Chongwei Shi                                                                                        | <b>1566</b> |
| <b>EA415</b> | Research on Automatic Arm Control Strategy of Tube-Launched Folding Multicopter Based on Nonlinear PD Method<br>Hejia Zhou, Haiping Song, Dong Wang, Yankai Shen, Lijun Nan, Guangxin Wu                      | <b>1571</b> |
| <b>EA416</b> | Research on lightweight real-time object detection based on attention mechanism<br>Yi Xiong                                                                                                                   | <b>1580</b> |

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| <b>EA418</b> | Research on Systemic Financial Risk Early Warning Based on Integrated Classification Algorithm<br>Xingwen Guo                                                                                                          | <b>1586</b> |
| <b>EA419</b> | Design and research of 5G network architecture and typical application scenarios for pumped storage power stations<br>Ruihuan Wang, Chen Wang, Shuai Ma, Xiaodong Liu, Xin Chen, Qiang Zheng, Huimin Wang, Yanfeng Hou | <b>1592</b> |
| <b>EA421</b> | Research on the Application of Deep Learning Algorithm in Visual Perception and Recognition of Artificial Intelligence Robot<br>Yujia Li, Siheng Ren, Na Yang                                                          | <b>1600</b> |
| <b>EA423</b> | Research on grasp planning of automatic loading and unloading with robot twist lock<br>Kang Zheng                                                                                                                      | <b>1605</b> |
| <b>EA424</b> | Optimization study of stacker cranes path in logistics distribution center<br>Hai Yang, Qi Tang, Jinbing Wang, Lei Zhang, Zhaoqing Li, Hui Liu                                                                         | <b>1615</b> |
| <b>EA425</b> | Research on Pedestrian Head Injury Prediction Based on Machine Learning<br>Yu Wang, Peng Liu, Botao Hu, Feifei Han, Dong Cui, Hanfeng Wang                                                                             | <b>1621</b> |
| <b>EA426</b> | Design and Implementation of an Integrated Cigarette Recognition System for Tobacco Logistics<br>Jinbing Wang, Lei Zhang, Qi Tang, Hui Liu, Ziyun Wang, Zhaoqing Li                                                    | <b>1625</b> |
| <b>EA428</b> | Research on barcode image recognition of cigarettes<br>Zhaoqing Li, Hui Liu, Ziyun Wang, Lei Zhang, Jinbing Wang, Zaiquan Wu                                                                                           | <b>1631</b> |
| <b>EA430</b> | Research on O2O Coupon Usage Prediction Based on Machine Learning<br>Shan Meijuan, Yang Kaili                                                                                                                          | <b>1637</b> |
| <b>EA431</b> | Research on 5G Network Coverage Optimization Data Transmission System with UAV Relay Enhancement<br>Cheng Haitao, Wang Zezhao, Wu Chao, Luo Fuxing, Wu Wenbin                                                          | <b>1642</b> |
| <b>EA432</b> | High-speed stability coordinated control of driverless special vehicles based on four-wheel steering and independent electric drive<br>Zhang Zhiyuan, Zhang Yong, Liu Wupeng                                           | <b>1648</b> |
| <b>EA434</b> | Research on interference suppression algorithm of UAV relay communication based on machine learning<br>Cheng Haitao, Wang Zezhao, Wu Xiaojie, Wang Luyao, Luo Fuxing                                                   | <b>1653</b> |
| <b>EA435</b> | Research on Motion Control Model of Siemens PMC System for Industrial Automation<br>Xianjun Song, Zhiqiang Zhang, Jin Liu, Xincan Chang                                                                                | <b>1659</b> |
| <b>EA436</b> | Design and Research of a Wearable-Based Student Physical Fitness Monitoring System<br>Shujian Zhang                                                                                                                    | <b>1665</b> |
| <b>EA439</b> | Rationalization of Hematological Analysis of Diseases under Machine Learning Based Classification Modeling Studies<br>Jinsheng Li                                                                                      | <b>1671</b> |
| <b>EA441</b> | A clinical diagnosis prediction model based on XGBoost-SHAP<br>Hang Li, Kaikai Liu, Peize Lu                                                                                                                           | <b>1675</b> |

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| <b>EA444</b> | Research on Application and Optimization Model of Knowledge Graph in Intelligent Question Answering System<br>Lin Wu, Liu Yang, Chunyan Zhang, Yanli Xu                                                | <b>1686</b> |
| <b>EA446</b> | Research on Node Classification and Link Prediction of Knowledge Graph in Complex Network Analysis<br>Liu Yang, Lin Wu, Chunyan Zhang, Renhua Na                                                       | <b>1691</b> |
| <b>EA448</b> | Research on Machine Learning-Based Intelligent Wearable Early Warning System for Heart Rhythm Abnormalities<br>Shujian Zhang                                                                           | <b>1696</b> |
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| <b>EA455</b> | Research on path planning optimization of mobile robots empowered by deep reinforcement learning<br>Chingyuan Pai, Liwei Liu, Jiahua Bao, Wenshan Kang, Xuqiang Du, Jiaqi Han, Qingli Zhou, Shiji Meng | <b>1724</b> |
| <b>EA456</b> | Improved image steganography based on the lowest effective bits<br>Yiming Yao                                                                                                                          | <b>1730</b> |