

TABLE OF CONTENTS

目 录

基于低秩高阶张量逼近的图像视频恢复 Image and Video Recovery Based on Low-Rank High-Order Tensor Approximation 王智豪, 刘彦.....	73
基于 YOLOv5s 的神经网络麦穗识别算法研究 Research on Wheat Ears Recognition Algorithm Based on YOLOv5s Neural Network 姜月, 肖萌, 李海霞.....	84
基于 STM32 的智能物流搬运机器人 Intelligent Logistics Handling Robot Based on STM32 梅红樱, 刘赛一, 孙树祥, 郑新艳, 陈富军, 文桦, 陈淑静, 熊娟, 郝华丽.....	91
基于深度学习的智能垃圾分类系统设计 Design of Intelligent Garbage Classification System Based on Deep Learning 申立朝, 刘清, 张玮宸, 戴艺, 孙慧霞.....	104
基于机器阅读理解的生活情景常识预测 General Knowledge Prediction of Life Situations Based on Machine Reading Comprehension 邓鉴格, 刘宝锴, 徐涛.....	114
基于 Transformer 的肾实质新型分割网络 A Novel Renal Parenchyma Segmentation Network Based on Transformer 张容祥.....	122
基于密集连接神经网络的肺部 X 光多分类方法 Lung X-Ray Multi-Label Classification Method Which Is Based on Densely Connected Neural Network 陈财, 王世界, 朱习军.....	134
人工智能在老年黄斑病变中的应用综述性研究及基于医学影像的 老年黄斑变性病症量化分析 A Survey of AI to AMD and Quantitative Analysis of AMD Pathology Based on Medical Images 王涵.....	143
面向人工智能的军队网络安全试验鉴定研究 Research on the Military Cyber Security Test and Evaluation for Artificial Intelligence 王军, 慈颖, 胡伟, 张拓.....	158

基于 PID 控制策略的机械臂轨迹跟踪控制 Robotic Arm Trajectory Tracking Control Based on PID Control Strategy	
张一通, 孙玲, 张远, 张尧.....	164
基于 RFID 的超市智能购物车研究与设计 Research and Design of Smart Supermarket Shopping Cart Based on RFID	
沈杰, 唐本平, 刘颂阳.....	177
基于车牌识别的停车场智能收费系统 Intelligent Charging System of Parking Lot Based on License Plate Recognition	
唐文静, 姜琳, 马治波.....	184
基于智能感知和深度学习的养蚕管理系统设计 Design on Highly Efficient Silkworm Rearing Technology Based on Intelligent Perception and Processing	
孙孝龙, 周卫红, 朱庆明, 施建军, 徐森.....	192
踝关节康复机器人研究进展 Research Progress of Ankle Rehabilitation Robot	
周熙晔, 王春宝, 韦建军, 刘铨权, 吴德帅, 段丽红, 张鑫, 刘琦.....	200
翻译技术在图书翻译中的应用研究 Research on the Application of Translation Technologies in Book Translation	
黄旦华.....	218