

Table of Contents

Improved Method of ResNet50 Image Classification Based on Transfer Learning.....	1
<i>Tao Shi, Jun Yu, Zhiyi Hu, Kuncai Jiang</i>	
Research on Crop Detection Algorithm Based on Improved YOLOv7.....	10
<i>Xiaoqi Shi, Xin Ye</i>	
Research on Automatic Problem-Solving Technology of Olympic Mathematics in Primary Schools Based on AORBCO Model.....	20
<i>Sijie Wu, Liping Lu, Wuqi Gao</i>	
Research on Early Prediction of Lung Cancer Based on Deep Learning.....	30
<i>Zhijun Qu, Zhongsheng Wang</i>	
Research on the Improvement of Image Super Resolution Reconstruction Algorithm Based on AWSRN Model.....	43
<i>Bin Dong, Jun Yu, Zhiyi Hu, Feng Xiong</i>	
Research on Driving Conditions Based on Principal Component and K-means Clustering Optimization.....	53
<i>Huifeng Wang, Shuping Xu</i>	
Code Vulnerability Detection Based on Graph Neural Network.....	62
<i>Yege Yang, Guiping Li</i>	
Pavement Damage Recognition Based on Deep Learning.....	74
<i>Mingbo Ning, Shengquan Yang</i>	
Research on Vehicle and Pedestrian Detection Based on Improved RT-DETR.....	85
<i>Jingshu LI, Jianguo Wang</i>	
A Course Recommendation Method Based on the Integration of Curriculum Knowledge Graph and Collaborative Filtering.....	94
<i>Jingyi Hu, Qingqing Wang</i>	