

目 次

智能计算

菌群优化方法及其应用研究综述 ..... 晏晓辉, 朱云龙, 张智聪, 吕赐兴, 李 帅, 蚁文洁( 1 )

考虑多滑动窗口的中继卫星调度模型及启发式算法 ..... 何敏藩, 朱燕麒, 贾学卿( 11 )

基于编辑传播的多源图像表观迁移 ..... 刘世光, 宋志超( 22 )

VR + 药效团: 一种交互可视的虚拟筛选系统 .....  
..... 何高奇, 龚博杰, 陈 诚, 郁明强, 卢兴见, 李洪林( 28 )

一种基于 RGB-D 的人体关节点定位方法 ..... 张青建, 韩建平( 33 )

基于多元媒体数据的教育舆情情绪可视化 ..... 梁翊涛, 王长波( 39 )

面向联合作战的网电对抗态势可视化系统设计与实现 ..... 张 阳, 司光亚, 王艳正( 45 )

图像去模糊的自适应交替方向乘子重叠组稀疏方法 .....  
..... 王 杰, 李胜光, 宋一帆, 白 珂, 马天磊( 52 )

位置数据稀疏约束下的疑犯时空位置预测 ..... 段 炼, 党兰学, 李 铭, 高 超, 朱欣焰( 58 )

基于改进的 LSTM 深度神经网络语音识别研究 ..... 赵淑芳, 董小雨( 63 )

基于自动编码器和 SVM 的轴承故障诊断方法 ..... 雷文平, 吴小龙, 陈超宇, 林辉翼( 68 )

机械工程

基于差速驱动的 AGV 驱动单元分析与改进设计 ..... 赵华东, 江 南, 雷超帆( 73 )

搅拌罐内基于 EDEM-FLUENT 耦合的多相流混合数值模拟 ..... 王建明, 邱钦宇, 何讯超( 79 )

土木与材料

不同掺合料对土坯墙泥浆抗压强度影响研究 ..... 童丽萍, 李 聪( 85 )

机场道面沥青加铺结构分区域差异设计研究 .....  
..... 李炜光, 国 洋, 汤 豆, 郑敏楠, 延丽丽, 杨婉怡( 91 )

CONTENTS

【Computational Intelligence】

A Review of Bacterial Optimization and Its Applications ..... YAN Xiaohui, ZHU Yunlong, ZHANG Zhicong, LÜ Cixing, LI Shuai, YI Wenjie ( 1 )

Scheduling Model and Heuristic Algorithm for Tracking and Data Relay Satellite Considering Multiple Slide Windows ..... HE Minfan, ZHU Yanqi, JIA Xueqing ( 11 )

Multi-source Image Appearance Transfer Based on Edit Propagation ..... LIU Shiguang, SONG Zhichao ( 22 )

VR + Pharmacophore: An Interactive and Visual Virtual Screening System ..... HE Gaoqi, GONG Bojie, CHEN Cheng, YU Mingqiang, LU Xingjian, LI Honglin ( 28 )

A Method of Positioning the Human Body Joints Based on RGB and Depth Information ..... ZHANG Qingjian, HAN Jianping ( 33 )

Visualization of Public Opinion Emotion in Education Based on Multiple Media Data ..... LIANG Yitao, WANG Changbo ( 39 )

Design and Implementation of Cyberspace War Situation Visualization System for Joint Operations ..... ZHANG Yang, SI Guangya, WANG Yanzheng ( 45 )

Image Deblurring Using Adaptive Alternate Direction Multiplier Overlapping Group Sparsity Method ..... WANG Jie, LI Shengguang, SONG Yifan, BAI Ke, MA Tianlei ( 52 )

Spatiotemporal Prediction of Suspect under Location Data Sparsity Constraint ..... DUAN Lian, DANG Lanxue, LI Ming, GAO Chao, ZHU Xinyan ( 58 )

Research on Speech Recognition Based on Improved LSTM Deep Neural Network ..... ZHAO Shufang, DONG Xiaoyu ( 63 )

The Application of SVM Based on Auto-encoder in Bearing Fault Diagnosis ..... LEI Wenping, WU Xiaolong, CHEN Chaoyu, LIN Huiyi ( 68 )

【Mechanical Engineering】

The Analysis and Improved Design of a New AGV Drive Unit Based on Differential Driving ..... ZHAO Huadong, JIANG Nan, LEI Chaofan ( 73 )

Numerical Simulation of Multi-phase Flow Mixing in Stirring Tank Based on EDEM-FLUENT Coupling ..... WANG Jianming, QIU Qinyu, HE Xunchao ( 79 )

【Civil Engineering and Material Engineering】

Study on the Influence of Different Admixtures on Compressive Strength of Adobe Wall Mud ..... TONG Liping, LI Cong ( 85 )

Study on Regional Difference Design of Asphalt Overlay in Airport Pavement ..... LI Weiguang, GUO Yang, TANG Dou, ZHENG Minnan, YAN Lili, YANG Wanyi ( 91 )