

目 录

智能控制技术的应用

基于集成学习的连退带钢质量在线预报方法

王显鹏, 黄灿明, 徐子睿, 王丹敬 (481)

基于 DSP 和自组织竞争神经网络的数粒机控制系统

蔡锦达, 唐 静, 齐建虹, 李祥伟 (487)

熔铸铝能源监控与统计分析系统设计开发

梁涛, 郭芳郁, 和彦彦, 王睿 (495)

导弹系统的复合分层抗干扰自动驾驶仪设计

刘昕戈, 刘藻珍, 单家元 (500)

基于高低分辨影像字典学习的稀疏超分辨重建

张静妙, 孟宪遵, 王晓娜 (505)

多约束单目标供应链多级库存控制模型及求解

周剑桥 (511)

机电一体化

基于持久图的双轮机器人编队生成与控制

刘春, 宗群, 窦立谦 (518)

太空环境下冗余机械臂设计及其控制策略

王振伟, 凡芳, 刘双印 (524)

全电式 AMT 换挡试验装置的研究

吴林轩, 吴训成, 张珏成 (529)

非理想电网下 RPC 新型锁相环控制

陈少杰, 马 茜 (535)

控制器-交换机 DME 结合 SBE 的 SDN 虚拟映射

王迤冉, 郑天明 (542)

基于蝙蝠算法的 PID 参数整定

吕磊, 章国宝, 黄永明 (548)

微电网并网逆变器 M-DPC 容错预测控制研究

路小娟, 王新菊 (554)

风力辅助提水机神经滑模变结构控制方法

杜福银 (560)

考虑节点剩余电量及簇头间距的簇划分 WSN 容错分组

王浩, 武凌, 周健 (564)

焦炉控制参数与一氧化碳排放关系建模与分析

周梦影, 李晓斌, 张福行, 贺国昂 (570)

一种高精度数控宽带直流放大器的设计与实现

侯爱霞, 陶 洋, 许艳英 (575)

优化控制及应用

货运站三级串联作业系统仿真优化

李冰, 轩华, 李晓雷, 王薛苑 (580)

考虑回收成本收益 GHS 供应链模型构建与优化

郭世卓, 曲林迟, 唐韵捷 (588)

基于 PSO 和 CBR 优化粒度的磨矿过程设定控制

刘晓青, 李芳, 程全, 李晋, 杨静(594)

过程控制技术的应用

新型组合控制策略在逆变器控制中的应用

郭伟, 王汉杰, 陆振宇, 夏友亮, 郁振波 (600)

双向对拉扭绳的自适应鲁棒控制

蒋磊, 于雷, 牟乾 (609)

一类非线性切换系统的参数化控制器设计方法

陆金波, 侯晓荣 (617)

柔性臂振动抑制的新型控制策略研究

邓辉, 孙俊缔, 曹广忠 (624)

水泥回转窑烧成带温度动态建模研究

王芬, 王孝红, 于宏亮 (631)

大排量高压往复泵恒压注水控制算法设计

李凯, 魏修亭, 张磊安, 朱鹏 (638)

带有输入时滞的分数阶系统的输出反馈控制

宋晓娜, 宋帅, 李东山 (643)

基于混合进化算法的可靠性设计方法

唐年庆, 陈晓燕, 黄超 (648)

不确定中立时滞系统的非脆弱 H_∞ 控制器

代慧芳 (655)

广义时滞系统的鲁棒同时 H_∞ 控制

李瑞杰, 包俊东 (661)

计算机控制技术及软件优化应用

非线性扰动下时延中立型系统的渐近稳定性准则

王 锋 (670)

基于 FMEA 的企业信息管理系统模糊风险评估法

施 薇 (675)

基于信号能量方差的链路稳定性在 MANET 中的应用

张应征, 张群慧 (680)

P2P 网络中基于时间感知信任的个人图书馆激励机制

段俊华 (687)

基于相互认证的第三方支付系统认证方案

莫淦清 (693)

基于 Markov 链状态转移概率矩阵的网络入侵检测

韩红光, 周改云 (698)

CONTENTS

Online Prediction of Steel Strip Quality in Continuous Annealing Based on Ensemble Learning

WANG Xian-peng, etal (481)

The Control System of Counting-machine Based on DSP and Self-organizing Competitive Neural Network

CAI Jin-da ,etal (487)

Design and Development for Energy Monitoring and Statistical Analysis System of Aluminum Alloy Casting

LIANG Tao,etal (495)

Composite Hierarchical Anti-disturbance Autopilot Design for Missile Systems

LIU Xin-ge,etal (500)

Super Resolution Sparse Reconstruction Based on High and Low Resolution Image Dictionary Learning

ZHANG Jing-miao,etal (505)

The Model and Its Solution of Multi-echelon Inventory Control in

Supply Chain with Multi Constraints and Single Objective

ZHOU Jian-qiao (511)

Generation and Control of Wheeled Robots Formation Based on Persistent Graph Theory

LIU Chun,etal (518)

Structure Design and Control Strategy of Robotic Arm with

Redundant Degree of Freedom Under Space Microgravity

Conditions

WANG Zhen-wei,etal (524)

Study on Shift Test Bench for a Full-electric AMT

Wu Lin-xuan, etal (529)

Control for Novel Phase-locked Loop of RPC in Non-ideal Grid

CHEN Shao-jie, etal (535)

Virtual Mapping Using SBE and Controller-switches DME in SDN

WANG Yi-ran, etal (542)

BA-based PID Tuning Method

LV Lei, etal (548)

Research on M-DPC Fault Tolerant Predictive Control of Micro-grid

Grid-connected Inverter

LU Xiao-juan, etal (554)

The Neural Sliding Mode Variable Structure Control Strategy for Wind Power Aided Pumping Water Machine

DU Fu-yin (560)

Fault Tolerant Packet Classification for WSN with Residual Power of Nodes and Cluster Head Spacing

WANG Hao, etal (564)

Modeling and Analysis of the Relations between Coke Oven Control Parameters and Carbon Monoxide Emission

ZHOU Meng-ying, etal (570)

Design and Realization of a High-precision Numerical Control Wide-band DC Amplifier

HOU Ai-xia, etal (575)

Simulation and Optimization of Freight Station Three-level Series Operating Systems

LI Bing, etal (580)

Construction and Optimization of Supply Chain Model with Consideration of Recycling Cost Benefit by GHS Algorithm

GUO Shi-zhuo, etal (588)

Setting Control for Size Optimization in Grinding Process Based on PSO and CBR

LIU Xiao-qing, etal (594)

A Novel Combined Control Strategy for Inverters

GUO Wei, etal (600)

Design of ARC Controller for Dual-twisted String Actuator

JIANG Lei, etal (609)

A Parametric Controller Design Method for a Class of Nonlinear Switched Systems

LU Jin-bo, etal (617)

Research on Novel Control Strategy for Suppressing Vibration of Flexible Manipulators

DENG Hui, etal (624)

Study on Dynamic Modeling of Cement Rotary Kiln Calcining Zone Temperature

WANG Fen, etal (631)

Design of Control Algorithm for Large Displacement High Pressure Reciprocating Pump Constant Pressure

LI Kai, etal (638)

Output Feedback Control for Fractional-order Systems with Input Delays

SONG Xiao-na, etal (643)

Reliability Design Method Based on Hybrid Evolutionary Algorithm

TANG Nian-qing, etal (648)

Non-fragile H_∞ Control for Neutral Systems with Mixed Delay

DAI Hui-fang, etal (655)

Robust Simultaneous H_∞ Control for Singular Systems with Time Delay

LI Rui-jie, etal (661)

Research on Asymptotic Stability for Delayed Neutral Systems with Nonlinear Disturbance

WANG Feng (670)

Enterprise Information Management System Risk Assessment Method Based on FMEA and Fuzzy Logic

SHI Wei (675)

The Application of Link Stability Based on the Variance of Signal Power in MANET

ZHANG Ying-zheng, etal (680)

Research on Time Sensitive Trust Model Based Individual Library Incentive Mechanism in P2P Network

DUAN Jun-hua(687)

Secure Authentication Scheme for Third Party Payment System Based on Mutual Authentication

MO Gan-qing(693)

A network Intrusion Detection Method Based on Fusion of Markov Chain State Transfer Probability Matrix

HAN Hong-guang, etal (698)