

TABLE OF CONTENTS

目 录

基于 CEEMDAN-GWO-KELM 模型对我国电力需求预测

Electricity Demand Forecasting in China Based on CEEMDAN-GWO-KELM Model

王斯, 张国浩, 杨澈洲..... 2073

基于代价敏感逻辑回归的电信客户流失预测研究

Research on Telecom Customer Churn Prediction Based on Cost-Sensitive Logistic Regression

彭科, 彭龔..... 2084

基于非负矩阵分解的全球贸易缺失数据填补

Imputation of Missing Data for Global Trade Based on Non-Negative Matrix Factorization

宋丛威, 张晓明..... 2094

基于区块链的反诈骗系统框架设计与分析

Design and Analysis of Anti-Fraud System Framework Based on Blockchain

张亚伟, 霍敏霞, 贾全秋, 薛富城..... 2106

基于组合模型的短期客运航班量预测方法研究

Research on Forecasting Method of Short-Term Passenger Number of Flights Based on Combination Model

高源, 张悦宸, 魏明..... 2113

基于改进蚁群算法在机器人路径规划上的研究

Research on Improved Ant Colony Algorithm in Robot Path Planning

陈范凯, 李士心, 李保胜, 刘宸, 孟玥..... 2120

一种智能化网络入侵检测模型设计

Design of an Intelligent Network Intrusion Detection Model

姚宇杰, 张宗飞..... 2128

西北空管进近 ATC 安全防护辅助系统的设计及应用

Design and Application of ATC Safety Protection Auxiliary System for Northwest Air Traffic Management Bureau Approach

梁武..... 2137

融合多尺度特征和注意力机制的成矿预测研究

Study on Metallogenesis Prediction Combining Multi-Scale Features and Attention Mechanism

周澍, 张鑫, 高乐..... 2146

基于改进 YOLOv5 的交通标志检测算法研究**Research on Traffic Sign Detection Algorithm Based on Improved YOLOv5**

刘晓倩, 李士心, 李保胜, 董秀焕, 高雪萍, 陈东园, 张美会 2161

改进克里金模型辅助的双档案在线数据驱动进化算法**Improved Kriging Model-Assisted Two-Archive Online Data-Driven Evolutionary Algorithm**

高娜 2169

基于改进人工蜂群算法的无人机路径规划研究**Research on UAV Path Planning Based on Improved Artificial Bee Colony Algorithm**

李保胜, 李士心, 刘晓倩, 高雪萍, 陈东园 2179

基于 BP 神经网络的轨道不平顺维修决策建模**Modeling of Track Irregularity Maintenance Policy Based on Back Propagation Neural Network**

周国栋, 孙海燕, 赵文博 2185

温度自记纸迹线数字化提取软件设计与实现**Design and Implementation of Digital Extraction Software for Temperature Self-Recording Paper Trace**

张茜茹, 陈益玲, 李长军, 张军 2195

基于交替式超边神经元算法的阿尔茨海默症多模态脑网络融合**A Multimodal Brain Network Fusing Based on Interleaved Hyperedge Neurons Algorithm for Alzheimer's Disease**

潘俊任, 荆常宏 2203

基于动态网络的简答题答案标注方法**Answer Annotation for Short-Answer Questions Based on Dynamic Network**

洪旭东, 严梅, 莫媛媛 2217