

TABLE OF CONTENTS

目 录

Research on WEB Information Extraction Based on DOM Tree Statistics Keyword Path
(基于 DOM 树统计关键词路径的 WEB 信息提取研究)

J. S. ZHAO, J. Q. LIANG, X. L. LV, X. B. HUANG, Y. LENG, Z. J. ZHANG.....181

A Modified Scheme of Quantum Secure Direct Communication Based on 4-Dimension Hilbert Space by Mixing Bell State Particles and Single Photons
(一种基于 4 维 Bell 态粒子和单光子混合的量子安全直接通信改进方案)

X. L. WANG, H. X. LI, Y. HAN, H. J. JIANG, A. P. HE, C. H. LI.....188

Smart Hand-Held Guide System Based on PHP and WeChat Applet
(基于 PHP 微信小程序的智能掌上导游系统)

X. X. WU, H. L. CHENG.....205

Software Reliability Safety Evaluation Method Based on BP Neural Network
(基于 BP 神经网络的软件可靠性安全性评价方法)

X. H. JIANG, Y. HU, C. Y. PENG, W. MENG.....214

Direct Torque Control of Switched Reluctance Motor Based on Super-Twisting Sliding Mode
(基于 Super-Twisting 滑模的 SRM 直接转矩控制)

L. WANG, G. B. ZHANG.....220

Amplification Method of Training Sample Set for Brain Computer Interface
(用于脑机接口的训练样本集扩增方法)

Y. Z. LIU, Y. WU, Z. H. LU, Q. LI.....227

A Novel Bearing Roller Blemish Detection System Based on Improved Retinex Method
(基于改进型 Retinex 算法的轴承滚子瑕疵检测系统设计)

C. LIU, C. LIU, X. YU, Y. C. ZHANG, L. Y. YI.....239

Image Depth Estimation Model Based on Fully Convolutional U-Net
(一种基于 U 型全卷积神经网络的深度估计模型)

X. K. WANG, X. N. FU, Q. DONG.....250

Extended Target Detection under Weibull Clutter
(威布尔杂波下扩展目标检测)

C. MU, X. N. FU.....256

A Modified Differential Evolution Algorithm Based on Invasive Weed Optimization
(一种基于入侵杂草算法改进的差分进化算法)

Q. B. LU, W. CUI, S. H. YAN, T. F. LI.....266

Research of CP-ABE Supported Hidden Access Policy

(支持访问策略隐藏的属性基加密方案研究)

X. L. ZHANG, M. M. WANG..... 275

Internal Wave Vertical Rebuilding Based on CCD Remote Sensing Data

(基于可见光遥感数据的海洋内波垂向重构)

J. CHEN, S. Q. XU, Z. T. YU, D. WANG..... 282

An Intelligent Internet Charging Pile Management System Based on Java Web

(基于 Java Web 的智能互联网充电桩管理系统)

X. X. WU, H. L. CHENG, Z. Z. SUN..... 291

Movement Law of Sardines around the Dolphins Based on Three-Dimensional Space

(基于三维空间关于海豚围捕沙丁鱼群的运动规律)

J. F. GAO, Z. ZHAO, H. CHEN..... 299

A Novel Bearing Roller Surface Defect Extraction Method Based on Double Threshold**Adaptive Segmentation**

(基于双阈值自适应分割的轴承滚子表面缺陷提取技术研究)

L. Y. YI, C. LIU, Y. C. ZHANG, X. YU, C. LIU..... 314

Method Analysis of Keyboard Input Data in C Language Programming

(C 语言程序设计中键盘输入数据的方法分析)

K. GAO, X. C. FU, W. Y. LI..... 323

Time/Space Separation Based FOA-Elman Modeling for Non-Linear Distributed Parameter Processes

(基于时空 FOA-Elman 的分布参数系统建模)

R. J. YANG, Y. Q. FAN..... 328

Comparison of Various Classification Techniques for Ethnic Minority Crime Data Mining Based on**Bayes and Decision Tree**

(一种基于贝叶斯和决策树的少数民族犯罪数据挖掘方法比较研究)

S. B. WU, C. M. WANG..... 339

Ada_Nesterov Momentum Algorithm**(Ada_Nesterov 动量法)**

X. B. JIA, J. S. SHI..... 351

Design and Implementation of Virtual Machine Network Access Control System Based**on Software-Defined Networking**

(基于 SDN 的虚拟机网络访问控制系统设计与实现)

X. J. ZHOU, X. Q. SHI..... 359

A Robust Approach for Bridge Crack Image Mosaic Based on SURF Algorithm

(基于 SURF 算法的桥梁裂纹图像拼接技术)

S. MENG..... 375

Review on the Application of Frame Theory in Image and Signal Processing
(框架理论在图像和信号处理中的应用综述)

L. Z. WANG, X. D. ZHUANG..... 384

Relative Similarity Based Online Multiple Instance Learning Algorithm in Object Tracking
(基于相关相似度的在线多示例学习目标跟踪算法)

M. CHEN, Q. H. ZHANG, X. S. CHEN, J. H. CHEN, S. Q. XIE, S. CHEN..... 393

Flowchart Design of Layer-by-Layer Method for Rubik's Cube
(魔方按层求解算法设计)

R. C. LIU..... 406

Application of SOM Neural Network in Operational Environment Data Categorization
(SOM 神经网络在作战环境数据项归类中的应用研究)

L. WANG, W. J. MA..... 414

Underwater Wireless Sensor Game Routing Algorithm Based on Cooperative MIMO
(基于协作 MIMO 的水下无线传感器博弈路由算法)

J. PENG, P. Y. LIANG, J. LI..... 420

Design and Implementation of Intelligent Bus Entertainment Interactive System
(智能公交娱乐交互系统设计与实现)

L. ZHANG, S. Y. LIU, P. F. GOU, L. CAO, J. K. WANG..... 428

Design and Implementation of Software License Demand Forecasting Model Based on Probability Statistics
(基于概率统计的软件许可证需求数量预测模型设计与实现)

Z. G. LI, X. FENG..... 436

Research on Risk Identification and Early Warning of Border Minority Crimes Based on RSM Analysis
(基于 RSM 分析的边疆少数民族犯罪风险识别及预警研究)

S. B. WU, C. M. WANG, H. S. CAO..... 442

Protein Secondary Structure Prediction Using Convolutional Neural Network and Softmax
(基于卷积神经网络和 Softmax 的蛋白质二级结构预测)

L. L. WANG, J. Y. CHENG..... 450

The Assessment of Gross Error in Equal Precision Measurement and the Fulfillment on Mathematica
(等精度测量中粗大误差的评估及其在 Mathematica 上的实现)

H. Z. MIAO..... 458

Simulation and Application of Thermal Management System for Power Battery Pack
(动力电池包的热管理系统仿真及其应用)

Y. P. GUO, L. M. WANG, Y. S. WANG..... 464

Design and Implementation of Remote Monitoring System for Locomotive Based on Tunnel
(基于隧道的机车远程监控系统的设计与实现)

Y. P. GUO, L. M. WANG, Y. S. WANG..... 475

Research and Design of an Art Resource Metadata Standard Framework
(一种艺术资源元数据标准框架的研究与设计)

B. HUANG, L. Q. MO, L. CHEN.....487