

目 次

· 工业软件专栏 ·

工业软件专栏开篇词	唐志共 (801)
工业软件专栏专家个人简介	专栏编委会 (802)
电磁计算与电磁工业软件	李 斌, 徐 立, 王 浩, 尹俊辉, 胡 权, 胡玉禄, 杨中海 (803)
有限元网格生成方法综述	雷 娜, 冯宇豪, 段君毅, 张 萍, 郑晓朋, 顾险峰 (816)

· 电子科学与技术 ·

数据驱动的 KDP 晶体加工表面质量分类研究	张川东, 汪承毅, 王 伟 (844)
MEMS 压阻式压力传感器梁-膜-三岛膜结构设计与优化	郭 威, 李 辉, 罗登玲, 刘细辉, 邹 力, 李绍荣, 郭小伟, 唐普英 (852)

· 信息与通信工程 ·

基于深度学习的非扩跳频通信体制窄带干扰抑制技术	马 松, 王家豪, 张 简, 王 军 (862)
射频微波功率放大器芯片技术研究进展及发展趋势	李镇兵, 黄峻杰, 张晋荣, 贾世麟, 付佳龙, 吴祥睿, 李 钢, 孙浩洋, 文光俊 (871)

· 计算机工程与应用 ·

网络钓鱼检测研究综述	谢丽霞, 张 浩, 杨宏宇, 胡 泽, 成 翔, 张 良 (883)
恶意社交机器人检测方法综述	张 鹏, 秦瑞青, 刘润东, 兰月新, 韦昱妃 (900)
语音驱动说话数字人视频生成方法综述	刘 颖, 李济廷, 柴瑞坤, 位纪伟, 杨 阳 (911)

· 复杂性科学 ·

基于多阶有源带通滤波器和在线相关系数的负载在线智能识别 ...	赵仕良, 李宇琪, 汪 琴, 纪飞虎, 黎 帅, 熊有志 (922)
复杂运动场景下的多人姿态估计研究	柳长源, 臧彦丞, 兰朝凤 (930)

· 生物信息 ·

基于扩散模型的心电信号去噪方法	罗成思, 张凯旋, Abduljabbar Salem Ba-Mahel, 饶妮妮 (940)
基于 GAF 和混合模型的运动想象分类研究	吕仁杰, 常文文, 闫光辉, 聂文超, 郑 磊, 郭 斌 (952)

JOURNAL OF UNIVERSITY OF ELECTRONIC
SCIENCE AND TECHNOLOGY OF CHINA

Vol.53 No.6 Nov. 2024

CONTENTS

• Special Section on Industrial Software •

Introduction to Special Topic on Industrial Software TANG Zhigong (801)

Introduction to Editorial Board Members Editorial Board of Special Topic (802)

Computational Electromagnetics and Electromagnetic Industry Software
..... LI Bin, XU Li, WANG Hao, YIN Junhui, HU Quan, HU Yulu, and YANG Zhonghai (803)

A Survey of Finite Element Mesh Generation Methods
..... LEI Na, FENG Yuhao, DUAN Junyi, ZHANG Ping, ZHENG Xiaopeng, and GU Xianfeng (816)

• Electronic Science and Technology •

Research on Data-Driven Surface Quality Classification for KDP Crystal Processing
..... ZHANG Chuandong, WANG Chengyi, and WANG Wei (844)

Design and Optimization of a Beam-Membrane-Three-Island Structure of MEMS Piezoresistive Pressure Sensor
..... GUO Wei, LI Hui, LUO Dengling, LIU Xihui, ZOU Li, LI Shaorong, GUO Xiaowei, and TANG Puying (852)

• Information and Communication Engineering •

Deep Learning Based Narrowband Interference Suppression Technique in Non-Spread-Hopping Spectrum Communication
System MA Song, WANG Jiahao, ZHANG Lin, and WANG Jun (862)

Research Progress and Development Trend of Radio Frequency/Microwave Power Amplifier Chip Technology
..... LI Zhenbing, HUANG Junjie, ZHANG Jinrong, JIA Shilin, FU Jialong, WU Xiangrui,
LI Gang, SUN Haoyang, and WEN Guangjun (871)

• Computer Engineering and Applications •

A Review of Phishing Detection Research
..... XIE Lixia, ZHANG Hao, YANG Hongyu, HU Ze, CHENG Xiang, and ZHANG Liang (883)

Review of Detection Methods for Malicious Social Robots
..... ZHANG Peng, QIN Ruiqing, LIU Rundong, LAN Yuexin, and WEI Yufei (900)

A Review on Audio-Driven Digital Human Generation Methods
..... LIU Ying, LI Jiting, CHAI Ruikun, WEI Jiwei, and YANG Yang (911)

• Complexity Sciences •

Online Intelligent Recognition of Load Based on Multiorder Active Bandpass Filter and Online Correlation Coefficient
..... ZHAO Shiliang, LI Yuqi, WANG Qin, JI Feihu, LI Shuai, and XIONG Youzhi (922)

Research on Multiplayer Pose Estimation in Complex Sports Scenes
..... LIU Changyuan, ZANG Yancheng, and LAN Chaofeng (930)

• Bioinformatics •

Denoising Method of ECG Based on Diffusion Model
..... LUO Chengsi, ZHANG Kaixuan, BA-MAHEL Abduljabbar Salem , and RAO Nini (940)

Research on Motor Imagery Classification Based on GAF and Hybrid Model
..... LYU Renjie, CHANG Wenwen, YAN Guanghui, NIE Wenchao, ZHENG Lei, and GUO Bin (952)