



Ei Compendex 收录期刊
中文核心期刊

ISSN 1001-0548
CN 51-1207/T
CODEN DKDAEM

电子科技大学

学报

JOURNAL OF UNIVERSITY
OF ELECTRONIC SCIENCE AND
TECHNOLOGY OF CHINA
第48卷 第6期 Vol. 48 No.6



ISSN 1001-0548



9 771001 054194

2019

中国 成都

CHENGDU CHINA

目 次

· 人 工 智 能 ·

专栏专家个人简介	本刊编辑部	(801)
本期“人工智能”专栏评述	杨 阳	(802)
半监督语义动态文本聚类算法	钱志森, 黄瑞章, 魏 琴, 秦永彬, 陈艳平	(803)
基于上下文语义的新闻人名纠错方法	杨 越, 黄瑞章, 魏 琴, 陈艳平, 秦永彬	(809)

· 通 信 与 信 息 工 程 ·

一种大规模时间触发确定性网络	李吉良, 张 文, 刘 强, 汪文勇	(815)
超密集网络中基于分簇的资源分配方案	田心记, 贾文杰	(823)
面向光传输网的Polar-LDGM码方案	多 滨, 罗俊松, 贾 勇, 钟晓玲, 郭 勇	(831)
中轨SAR海面运动舰船回波建模研究	李 立, 李财品, 何明一	(838)
基于KR积的稀疏重构近场源定位	窦育强, 王 晖	(845)

· 自 动 化 技 术 ·

考虑奇点扰动问题的时间序列预测方法	闫理跃, 王厚军, 刘 震	(850)
正交型频率交替采样与重构方法研究	刘 涛, 连 可, 叶 笠, 田书林	(858)

· 计 算 机 工 程 与 应 用 ·

PRESENT密码的差分故障攻击	陈伟建, 赵思宇, 邹瑞杰, 张晓宁	(865)
APT攻击检测与反制技术体系的研究	陈瑞东, 张小松, 牛伟纳, 蓝皓月	(870)
约束强度感知的时序约束服务组合	叶恒舟, 胡志丹	(880)
基于环签名的医疗区块链隐私数据共享模型	王瑞锦, 余苏喆, 李 悦, 唐榆程, 张凤荔	(886)
基于多尺度局部梯度的点目标检测技术	艾斯卡尔·艾木都拉, 武文成	(893)
改进双向二维局部保持投影的人脸识别算法	吴 斌, 王利龙, 邵延华	(904)
基于级联生成对抗网络的人脸图像修复	陈俊周, 王 娟, 龚 勋	(910)
基于图形处理器的并行遗传过程挖掘	李龔亮, 敬思远, 郭 兵, 沈 艳	(918)
基于时空轨迹的热点区域提取	王 侃, 梅克进, 朱家辉, 牛新征	(925)

· 复 杂 性 科 学 ·

基于LDA的复杂网络整体研究态势主题分析	赵紫娟, 李小珂, 郭 强, 杨 凯, 刘建国	(931)
在线读书社区中的用户阅读偏好及社团发现	许益贴, 刘红丽, 胡海波	(939)

· 电 子 信 息 材 料 与 器 件 ·

SiC/SiO ₂ 界面态电荷对SiC MOSFET短路特性影响的研究	周郁明, 穆世路, 蒋保国, 王 兵, 陈兆权	(947)
基于球曲面极板的电容式触觉传感器研究	高永慧, 郭秋程, 孙 帅, 汤 茜, 姜文龙, 郭小辉	(954)

期刊基本参数: CN51-1207/T*1959*b*16*160*zh*P*25.00*1500*22*2019-11

JOURNAL OF UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA

Vol.48 No.6 Nov. 2019 (The end of Vol.48)

CONTENTS

• Artificial Intelligence •

Introduction to Editorial Board Members	Editorial Board of JUESTC	(801)
Comments to Special Topic Articles	YANG Yang	(802)
Semi-Supervised Semantic Dynamic Text Clustering Algorithm		
..... QIAN Zhi-sen, HUANG Rui-zhang, WEI Qin, QIN Yong-bin, and CHEN Yan-ping		(803)
A News Name Correction Method Based on Context Semantics		
..... YANG Yue, HUANG Rui-zhang, WEI Qin, CHEN Yan-ping, and QIN Yong-bin		(809)

• Communication and Information Engineering •

A Large-Scale Time-Triggered Deterministic Network	LI Ji-liang, ZHANG Wen, LIU Qiang, and WANG Wen-yong	(815)
A Clustering-Based Resource Allocation Scheme in Ultra Dense Network	TIAN Xin-ji and JIA Wen-jie	(823)
Design of Polar-LDGM Codes for Optical Transport Network		
..... DUO Bin, LUO Jun-song, JIA Yong, ZHONG Xiao-ling, and GUO Yong		(831)
Echo Modeling of Moving Ship Target for MEO SAR	LI Li, LI Cai-pin, and HE Ming-yi	(838)
Near-Field Sound Source Localization via Sparse Reconstruction Based on KR Product	DOU Yu-qiang and WANG Hui	(845)

• Automation Techniques •

A Comprehensive Time Series Prediction Considering Singularity Perturbation Problems		
..... YAN Li-yue, WANG Hou-jun, and LIU Zhen		(850)
Research on an Orthogonal Frequency-Interleaved Sampling and Reconstruction Method		
..... LIU Tao, LIAN Ke, YE Li, and TIAN Shu-lin		(858)

• Computer Engineering and Applications •

The Differential Fault Attack of PRESENT Cipher	CHEN Wei-jian, ZHAO Si-yu, ZOU Rui-jie, and ZHANG Xiao-ning	(865)
A Research on Architecture of APT Attack Detection and Countering Technology		
..... CHEN Rui-dong, ZHANG Xiao-song, NIU Wei-na, and LAN Hao-yue		(870)
Constraints Strength-Aware Temporal Constraints Service Composition	YE Heng-zhou and HU Zhi-dan	(880)
Medical Blockchain of Privacy Data Sharing Model Based on Ring Signature		
..... WANG Rui-jin, YU Su-zhe, LI Yue, TANG Yu-cheng, and ZHANG Feng-li		(886)
Point Target Detection Technology Based on Multi-Scale Local Gradient	Askar Hamdulla and WU Wen-cheng	(893)
Face Recognition Algorithm Based on Improved Bi-directional Two Dimensional Locality Preserving Projection		
..... WU Bin, WANG Li-long, and SHAO Yan-hua		(904)
Face Image Inpainting Using Cascaded Generative Adversarial Networks	CHEN Jun-zhou, WANG Juan, and GONG Xun	(910)
Parallel Genetic Process Mining Based on Graphics Processing Unit		
..... LI Gong-liang, JING Si-yuan, GUO Bin, and SHEN Yan		(918)
Hotspots Extraction Based on Spatial-Temporal Trajectory Data		
..... WANG Kan, MEI Ke-jin, ZHU Jia-hui, and NIU Xin-zheng		(925)

• Complexity Sciences •

Evolution Properties of Complex Networks in Terms of the LDA		
..... ZHAO Zi-juan, LI Xiao-ke, GUO Qiang, YANG Kai, and LIU Jian-guo		(931)
User Reading Preference and Community Detection in an Online Reading Community		
..... XU Yi-tie, LIU Hong-li, and HU Hai-bo		(939)

• Electronic & Information Materials and Devices •

Research on the Impact of Trapped Charges at SiC/SiO ₂ Interface on the Short-circuit Performances of SiC MOSFET		
..... ZHOU Yu-ming, MU Shi-lu, JIANG Bao-guo, WANG Bing, and CHEN Zhao-quan		(947)
Research on Capacitive Tactile Sensor Based on Spherical Surface Plate		
..... GAO Yong-hui, GUO Qiu-cheng, SUN Shuai, TANG Qian, JIANG Wen-long, and GUO Xiao-hui		(954)