



### 学术论文

- 基于快速语义修复的操作系统隐藏对象检测技术 ..... 李勇钢, 崔超远, 乌云, 孙丙宇 (1025)
- 基于重新匹配策略的  $\epsilon$  约束多目标分解优化算法 ..... 张磊, 毕晓君, 王艳娇 (1032)
- 基于特征聚类的稀疏自编码快速算法 ..... 付晓, 沈远彤, 付丽华, 杨迪威 (1041)
- 面向大规模认知诊断的 DINA 模型快速计算方法研究 ..... 王超, 刘洪, 陈恩红, 黄振亚, 朱天宇, 苏喻, 胡国平 (1047)
- 基于情景感知的低交互移动双因素认证系统 ..... 刘冬, 陈晶, 杜瑞颖, 何琨 (1056)
- 基于 MapReduce 的增广动态 Skyline 查询处理方法 ..... 丁琳琳, 崔子强, 尹显坤, 王俊陆, 宋宝燕 (1062)
- 基于软件网络加权  $k$ -核分析的关键类识别方法 ..... 潘伟丰, 宋贝贝, 胡博, 李兵, 姜波 (1071)
- OFDM 系统中基于压缩感知恢复由限幅和 HPA 产生的非线性失真研究 ..... 杨霖, 宋坤 (1078)
- 融合锚词抽取的海量短文本主题层次挖掘 ..... 吕品, 计春雷, 汪鑫, 罗宜元 (1084)
- 互联网动态地址命名与解析服务 ..... 朱亮, 徐恪, 冯梅 (1089)
- 基于稳定匹配的认知无线网络协作物理层安全机制 ..... 冯晓峰, 高新波, 宗汝 (1095)
- 大函数 ISFPRM 面积优化方法 ..... 瞿婷, 王伦耀, 罗文强, 夏银水 (1101)
- 数据相等问题的安全多方计算方案研究 ..... 窦家维, 李顺东 (1107)
- 面向大数据定价的委托拍卖方案 ..... 尹鑫, 田有亮, 王海龙 (1113)
- 基于频域波形合成的盲空间分集均衡器设计 ..... 陈紫阳, 胡赞鹏, 沈智翔, 沈彩耀 (1121)
- 沟道宽度对 65nm 金属氧化物半导体器件负偏压温度不稳定性的影响研究  
..... 崔江维, 郑齐文, 余德昭, 周航, 苏丹丹, 马腾, 魏莹, 余学峰, 郭旗 (1128)
- 基于行运算器思想的 DRSTOP 控制信息生成方法 ..... 宋凯 (1133)
- 多元检测线圈在石油拼接套管的远场涡流检测中的应用 ..... 罗清旺, 师奕兵, 王志刚, 张伟, 李焱骏 (1139)
- 具有 L 型栅极场板的双槽双栅绝缘体上硅器件新结构 ..... 代红丽, 赵红东, 王洛欣, 石艳梅, 李明吉 (1146)
- 芯片散热微通道仿生拓扑结构研究 ..... 吴龙文, 卢婷, 陈加进, 王明阳, 杜平安 (1153)
- 一种分数阶巴特沃斯滤波器的有源电路设计 ..... 鹿轶环, 胡志忠 (1160)
- 基于边攻击成本的复杂网络鲁棒性研究 ..... 王尔申, 王玉伟, 鹿涛, 曲萍萍, 姜毅 (1166)
- 一种基于压缩感知的同频多辐射源数量估计及定位方法 ..... 谷晓鹏, 谢树果, 常青, 杨美玲 (1173)
- 基于 SVR 的粮仓储粮重量在线检测模型 ..... 张德贤, 张苗, 张庆辉, 张元, 吕磊 (1179)
- 分布式声源定位系统节点最优布局方法及性能研究 ..... 闫青丽, 陈建峰 (1186)
- GPS 驯服 CPT 原子钟方法研究 ..... 李铎, 吴红卫, 顾思洪 (1194)
- 位屏蔽多叉树搜索射频识别防碰撞算法 ..... 莫磊, 陈伟, 任菊 (1200)
- 磁共振脑组织弹性成像的数值仿真算法 ..... 单翔, 李炳南, 向旭 (1207)
- 全双工信息与能量同传系统的鲁棒性预编码及高效时隙分配方案 ..... 谢显中, 陈九九, 扶渝茜 (1213)
- 基于正交定向耦合器组合的微波功率测量方法 ..... 杜百廷, 林宏翔, 黄贵荣, 刘伟 (1222)

### 科研通信

- 异构无线网络中新的成本感知网络切换方案 ..... 马彬, 汪栋, 谢显中 (1227)
- 概念的属性约简及异构数据概念漂移探测 ..... 邓大勇, 卢克文, 黄厚宽, 邓志轩 (1234)
- 一种 3 阶 Mash 结构的  $\Sigma$ - $\Delta$  音频数模转换器 ..... 朱新泉, 陈勇, 叶强, 龙燕 (1240)
- 动态模糊密度的多分类器融合算法 ..... 李艳秋, 任福继, 胡敏 (1246)
- 基于空间结构化推理深度融合网络的 RGB-D 场景解析 ..... 王泽宇, 吴艳霞, 张国印, 布树辉 (1253)
- H2H 与 M2M 共存场景下的上行资源分配算法 ..... 蒋继胜, 朱晓荣 (1259)
- 三维空间非平稳车载几何信道模型的研究分析 ..... 江浩, 张在琛, 党建, 吴亮 (1265)
- 地震应急预案体系超网络模型研究 ..... 朱国宾, 刘明亮, 杨依, 邵媛媛, 张景 (1269)
- TMWSNs 中一种确保数据完整性的高效时空 Top- $k$  查询协议 ..... 马行坡, 危锋, 梁俊斌, 李然, 马文鹏, 祁传达 (1274)



Supported by the National Natural Science Foundation of China

ACTA ELECTRONICA SINICA  
(Monthly)

Vol. 46 No. 5

May 2018

PAPERS

- The OS Hidden Object Detection Technology Based on Fast Semantic Repair ..... *LI Yong-gang, CUI Chao-yuan, WU Yun, SUN Bing-yu* (1025)
- The  $\varepsilon$  Constrained Multi-objective Decomposition Optimization Algorithm Based on Re-matching Strategy ..... *ZHANG Lei, BI Xiao-jun, WANG Yan-jiao* (1032)
- An Optimized Sparse Auto-encoder Network Based on Feature Clustering ..... *FU Xiao, SHEN Yuan-tong, FU Li-hua, YANG Di-wei* (1041)
- The Rapid Calculation Method of DINA Model for Large Scale Cognitive Diagnosis ..... *WANG Chao, LIU Qi, CHEN En-hong, HUANG Zhen-ya, ZHU Tian-yu, SU Yu, HU Guo-ping* (1047)
- A Low Interaction Mobile Two-Factor Authentication System Based on Context Awareness ..... *LIU Dong, CHEN Jing, DU Rui-ying, HE Kun* (1056)
- Augmented Dynamic Skyline Query Processing Method Based on MapReduce ..... *DING Lin-lin, CUI Zi-qiang, YIN Xian-kun, WANG Jun-lu, SONG Bao-yan* (1062)
- Identifying Key Classes Based on Weighted  $K$ -Core Analysis of Software Networks ..... *PAN Wei-feng, SONG Bei-bei, HU Bo, LI Bing, JIANG Bo* (1071)
- Research on Recovery of Clipping and HPA Nonlinear Distortion Based on Compressive Sensing in OFDM Systems ..... *YANG Lin, SONG Kun* (1078)
- Mass of Short Texts Topical Hierarchy Mining Integrated Anchor Extraction ..... *LÜ Pin, JI Chun-lei, WANG Xin, LUO Yi-yuan* (1084)
- A Dynamic Service of Internet Naming and Resolving ..... *ZHU Liang, XU Ke, FENG Mei* (1089)
- A Stable Matching Based Physical Layer Security Scheme for Cognitive Radio Networks ..... *FENG Xiao-feng, GAO Xin-bo, ZONG Ru* (1095)
- A Novel Method for Large ISPFM Function Optimization ..... *QU Ting, WANG Lun-yao, LUO Wen-qiang, XIA Yin-shui* (1101)
- Secure Multiparty Computation for the Equality Problem ..... *DOU Jia-wei, LI Shun-dong* (1107)
- Delegation Auction Scheme for Big Data Pricing ..... *YIN Xin, TIAN You-liang, WANG Hai-long* (1113)
- A Novel Spatial Diversity Equalizer Based on Frequency-Domain Waveform Combining ..... *CHEN Zi-yang, HU Yun-peng, SHEN Zhi-xiang, SHEN Cai-yao* (1121)
- Effect of Channel Width on NBTI in 65nm PMOSFET ..... *CUI Jiang-wei, ZHENG Qi-wen, YU De-zhao, ZHOU Hang, SU Dan-dan, MA Teng, WEI Ying, YU Xue-feng, GUO Qi* (1128)
- DRSTOP Control Information Generation Method Based on Row Operation Unit ..... *SONG Kai* (1133)
- The Applications of Dual Pick-up Coils in RFEC Testing of Casings in Oil Wells ..... *LUO Qing-wang, SHI Yi-bing, WANG Zhi-gang, ZHANG Wei, LI Yan-jun* (1139)
- A Dual-Trench-Gate Silicon on Insulator Device with a L-shaped Gate Field Plate ..... *DAI Hong-li, ZHAO Hong-dong, WANG Luo-xin, SHI Yan-mei, LI Ming-ji* (1146)
- A Study of Bionic Micro-channel Topology for Chip Cooling ..... *WU Long-wen, LU Ting, CHEN Jia-jin, WANG Ming-yang, DU Ping-an* (1153)
- Active Circuit Design of a Fractional Order Butterworth Filter ..... *PANG Yi-huan, HU Zhi-zhong* (1160)
- Research on Robustness of Complex Networks with Edge's Attack Cost ..... *WANG Er-shen, WANG Yu-wei, PANG Tao, QU Ping-ping, JIANG Yi* (1166)
- A Number Estimation and Location Method of Multiple Radiation Sources Based on Compressive Sensing ..... *GU Xiao-peng, XIE Shu-guo, CHANG Qing, YANG Mei-ling* (1173)
- On-line Granary Storage Weight Detection Based on SVR ..... *ZHANG De-xian, ZHANG Miao, ZHANG Qing-hui, ZHANG Yuan, LÜ Lei* (1179)
- Node Placement Optimization for Distributed Acoustic Source Localization System and Performance Study ..... *YAN Qing-li, CHEN Jian-feng* (1186)
- Study on GPS-Disciplined CPT Atomic Clock ..... *LI Duo, WU Hong-wei, GU Si-hong* (1194)
- A RFID Anti-collision Algorithm Based on Bit-shield and Multi-tree Search ..... *MO Lei, CHEN Wei, REN Jü* (1200)
- Numerical Simulation of Magnetic Resonance Elastography for Brain Tissue Study ..... *SHAN Xiang, LI Bing-nan, XIANG Kui* (1207)
- Robust Precoding and Energy-Efficient Timeslot Allocation for Full-Duplex SWIPT System ..... *XIE Xian-zhong, CHEN Jiu-jiu, FU Yu-xi* (1213)
- Microwave Power Measurement Method Based on Quadrature Directional Couplers ..... *DU Bai-ting, LIN Hong-xiang, HUANG Gui-rong, LIU Wei* (1222)

CORRESPONDENCE

- A Novel Cost-Aware Network Handoff Scheme in Heterogeneous Wireless Network ..... *MA Bin, WANG Dong, XIE Xian-zhong* (1227)
- Attribute Reduction for Concepts and Concept Drifting Detection in Heterogeneous Data ..... *DENG Da-yong, LU Ke-wen, HUANG Hou-kuan, DENG Zhi-xuan* (1234)
- A  $\Sigma$ - $\Delta$  Audio DAC Converter Based on 3-Order Mash Structure ..... *LAI Xin-quan, CHEN Yong, YE Qiang, LONG Yan* (1240)
- Dynamic Fuzzy Density for Multi-classifier Fusion Algorithm ..... *LI Yan-qiu, REN Fu-ji, HU Min* (1246)
- RGB-D Scene Parsing Based on Spatial Structured Inference Deep Fusion Networks ..... *WANG Ze-yu, WU Yan-xia, ZHANG Guo-yin, BU Shu-hui* (1253)
- An Uplink Resource Allocation Algorithm Under the Scenario of Coexistence of H2H & M2M Based on Knapsack Model ..... *JIANG Ji-sheng, ZHU Xiao-rong* (1259)
- Analysis of 3D Geometry-Based Models for Non-Stationary Vehicle-to-Vehicle Channels ..... *JIANG Hao, ZHANG Zai-chen, DANG Jian, WU Liang* (1265)
- Research on a Hypernetwork Based Model for Emergency Response Plan System ..... *ZHU Guo-bin, LIU Ming-liang, YANG Yi, TAI Yuan-yuan, ZHANG Jing* (1269)
- An Integrity-Verifiable Protocol for Spatio-Temporal Top- $k$  Queries in Two-Tiered Mobile Wireless Sensor Networks ..... *MA Xing-po, WEI Feng, LIANG Jun-bin, LI Ran, MA Wen-peng, QI Chuan-da* (1274)