

2019 年第 11 卷总目次

第 1 期

全向及定向圆极化天线的小型化研究	简炜 (1)
低剖面紧凑的圆盘加载单极子天线	侯岳峰 张志军 (8)
基于互补源的紧凑型圆极化倾斜波束天线	张文海 薛泉 吕文俊 谭锦荣 (13)
基于波导结构的紧凑型电介质加载双极化天线研究	马自龙 褚庆昕 (17)
基于支节容性加载的小型化低剖面超表面天线	隽月 车文荃 杨琬琛 (23)
一种小型化双低频 4T4R 基站天线阵列设计方法	贾飞飞 刘培涛 薛泉 (30)
一种新型的低剖面定向 45°线极化水天线	陈科明 钱雅惠 罗国清 (35)
基于特征模理论的低剖面 MIMO 立方体天线	于琪 陈益凯 杨仕文 (40)
基于负 μ 传输线的电偶极子和环天线设计	王轶珏 贾兴宁 朴大志 (47)
一种用于 GPS 的小型化全向圆极化天线设计	王晨阳 刘英 贾永涛 王侃 (53)
基于 TM_{50} 模的高增益贴片天线	张云阳 曹文权 钱祖平 (57)
消费级无人机倾斜摄影航线规划及地面站实现	黄鹤 李若鹏 王柳 (61)
基于多模态的音乐推荐系统	龚志 邵曦 (68)
基于 GIS 势力圈测度的南京市行政区划调整合理性分析	韩其飞 薛丰昌 何天豪 周洋 范晓璐 陈姗姗 (77)
基于高速公路视频图像的能见度计算	姚镇海 周建平 邱新法 (85)
华南前汛期暴雨 C 波段雷达特征应用研究	王坚红 肖雯 曹正 苗春生 张俞 (91)
安徽省近 60 年雨日、降水量及雨强的气候变化特征	王涛 刘承晓 (101)
河北春秋降水异常与对流层中低层环流的可能联系	王宏 张桂香 李树丛 余锦华 陆倩 (110)
正则表达式在闪电定位资料处理中的应用	成勤 肖稳安 王清龙 项建国 于乃莲 陈华 (121)

第 2 期

智能肌电控制假手研究进展	宋爱国 胡旭晖 祝佳航 (127)
基于 ROS 的遥控水下机器人监控系统研制	唐鸿儒 奚家烽 沈天鹤 包加桐 刘其铭 (138)
基于改进粒子群算法的机器人几何参数标定研究	温秀兰 吕仲艳 贺顺 王东霞 康传帅 赵艺兵 (144)
基于 Kinect 的机器人辅助上肢被动康复训练控制方法	徐国政 朱吉鹤 (151)
基于脑电信号评价情绪状态及听觉激励对改善情绪的研究	王慧 邱义波 骆永乐 (158)

拖拉机驾驶机器人设计及人机协作方法研究	卢伟 陈浩 王家鹏 王玲 邱威 Yiming Deng (165)
基于 ANOVA 和 BP 神经网络的最优肌电信号测量位置选择	吴常斌 严余超 曹青青 费飞 杨德华 徐宝国 宋爱国 (173)
电推进在电磁编队飞行碰撞规避控制中的应用	白敬 王婷 (180)
面向带电作业的手臂末端输出力评估方法	林子 熊鹏文 何孔飞 张发辉 (186)
食指-拇指夹捏运动的动力学建模及控制	Bimal Bharati 王婷 (192)
斯里兰卡穹顶区的形成和演变机制分析	K.B.S.S.J EKANAYAKA 王卫强 (198)
基于聚类分析的川滇地区块体划分与应变研究	张小青 许才军 王帅 (208)
基于 Android 手机手势和语音控制的人机交互系统设计	郭慧敏 孟游 迟少华 丁培甫 (216)
外电场作用下 D-甘油酸分子的结构和光谱研究	葛英健 刘玉柱 林华 何君博 韩顺 秦朝朝 (221)
核壳结构 C/TiO ₂ 复合材料的制备与微波吸收性能研究	王宇 薛行健 曹瀚 沈国柱 (226)
层次分析法和 GIS 技术在河南省雷电灾害风险区划中的应用	程丽丹 (234)

第 3 期

推荐系统中物品召回技术的研究进展	连德富 谢幸 陈恩红 (241)
第四范式视角下的大数据科学	顾峥 高阳 (251)
基于多轮交互的人机对话系统综述	陈健鹏 马建辉 王怡君 (256)
同构迁移学习理论和算法研究进展	李茂莹 杨柳 胡清华 (269)
基于深度学习的个性化新闻推荐	吴方照 武楚涵 安鸣霄 谢幸 (278)
基于胶囊网络的跨领域情感分类方法	林悦 钱铁云 (286)
基于注意力特征提取网络的图像描述生成算法	李金轩 杜军平 周南 (295)
多重对级贝叶斯个性化排序算法	程明月 刘淇 李徽 于润龙 高维博 陈恩红 (302)
基于视图内字典原子不一致的多视图字典学习算法	田泽 杨明 陈哲 石爱业 (309)
学生成绩关键因素挖掘与成绩预测	谢娟英 张宜 陈恩红 (316)
数据驱动下的环境变迁与区域经济成长关联分析	幸嘉宝 黄晓敏 曹杨 罗燎 廖好 (326)
基于证据理论的聚类集成方法	李锋 李寿梅 Thierry Denoeux (332)
基于镜像图的 LRC 和 CRC 偏差结合的人脸识别	陈铭 周先春 周杰 (340)
基于预测机制的多自主系统的一致性协议	王慧玲 刘成林 刘飞 (346)
极轨气象卫星资料地理定位误差评估与订正方法综述	唐飞 董慧杰 (352)
延安地区雷电流幅值累积概率分布特征及计算公式	李婷 翟园 孙妍 高鸿 (360)

第4期

一种领队车输入未知的多车辆纵向协作控制方法
..... 巩健 曹进德 赵园 (367)

基于观测器的多智能体系统的自适应一致性控制
..... 李刚 苗国英 张静怡 (373)

基于事件触发和欺骗攻击的多智能体一致性控制
..... 王誉达 查利娟 刘金良 费树岷 (380)

基于非线性分离的可倾转四旋翼 LQR 飞行控制研究
..... 卢凯文 杨忠 许昌亮 徐浩 陆可 (390)

基于事件的非周期间歇牵制控制线性复杂网络的同步分析
..... 王瑞峰 丰建文 (398)

复杂网络的固定时间混合外部同步
..... 聂平平 李望 侍红军 (404)

多智能体系统的有限时间与固定时间一致性
..... 邵劭 胡元发 刘小洋 黄军伟 (409)

具有随机扰动和混合时滞的两层异质网络的同步研究
..... 金欣 杨卉卉 王正新 (414)

一种用户均衡分配不确定性的计算方法
..... 程小洋 刘玉 郭建华 (421)

参数不匹配下含有泄露时滞与多个传输时滞的分数阶忆阻器神经网络的拟同步
..... 张建梅 包海波 曹进德 (428)

基于多切换模式的多混沌系统有限时组合同步
..... 李超 张斌 陈向勇 李天择 董和夫 (435)

具有遗忘时滞的静态神经网络的 H_∞ 状态估计
..... 吴淑晨 李晓迪 (440)

非对称双环神经网络系统的稳定性和 Hopf 分岔
..... 周帅 肖敏 邢蕊桃 张跃中 程尊水 (446)

基于截断 1-范数损失函数的鲁棒超限学习机
..... 王快妮 曹进德 (453)

基于小波长短期记忆网络的风电功率超短期概率预测
..... 王朋 孙永辉 翟苏巍 侯栋宸 王森 (460)

基于阈值可调切换系统的多翅膀混沌吸引子设计及电路仿真
..... 石擎宇 黄霞 (467)

基于 IOWA 算子的 RFID 数据有效性评价方法
..... 龙思卿 赵盼明 郭建华 (474)

基于 XGBoost 算法的电网二次设备缺陷分类研究
..... 陈凯 南东亮 孙永辉 夏响 (483)

基于图像处理的自动野外救援系统设计
..... 郭乃天 庞国臣 张安彩 邱建龙 (490)

基于单片机的智能轮椅控制系统设计
..... 滕兴旺 从兰美 邱建龙 张安彩 (495)

第5期

稳定代币研究进展
..... 高峰 祝烈煌 丁凯 巩国鹏 (499)

区块链安全综述
..... 刘九良 付章杰 孙星明 (513)

区块链技术在电子商务信息安全领域的应用综述
..... 王伟光 (523)

比特币平台挖矿策略及其收益综述
..... 洪阳 王立松 葛春鹏 (532)

区块链技术在教育领域的应用现状与展望
..... 黄达明 (541)

基于区块链的论文评审及追溯系统
..... 丁勇 相恒奎 袁方 罗得寸 刘林刚 邹秀清 唐晨钧 (551)

Rec-chain:基于区块链技术的国际期刊论文出版系统概念验证与测试	赵小柯 石进 (559)
基于医疗联盟链的数据安全保护方法	孙回 程徐 黄琤 陈付龙 (567)
基于 Fabric 区块链的智能合约协同开发系统	杨晓宙 董学文 (573)
基于区块链的多方协作安全身份认证机制研究	桑安琪 沈蒙 祝烈煌 刘胜 殷舒 肖尧 (581)
基于区块链的医疗数据云存储共享方案	杨明 丁龙 许艳 (590)
一种基于区块链和边缘计算的物联网方案	刘帅 戚荣鑫 董映晖 冯孟 苗田田 蒋玲红 (596)
基于偏好融合的群组推荐研究	汪祥舜 郑孝遥 朱德义 章玥 孙丽萍 (601)
一种基于微服务架构的突发事件预警辅助决策系统的设计与实现	陈石定 刘翔 汪应琼 (609)
基于不同邻近标签数选择的 LANDMARC 定位算法研究	谢亚琴 王超 (621)

第6期

综述

深度细粒度图像识别研究综述	邓旭冉 闵少波 徐静远 李攀登 谢洪涛 张勇东 (625)
关于单目标跟踪方法的研究综述	傅杰 徐常胜 (638)
面向智能驾驶视觉感知的对抗样本攻击与防御方法综述	杨弋鋈 邵文泽 王力谦 葛琦 鲍秉坤 邓海松 李海波 (651)
基于生成对抗网络的异质人脸图像合成:进展与挑战	黄菲 高飞 朱静洁 戴玲娜 俞俊 (660)
图像多标签学习的研究概述	袁梦奇 鲍秉坤 (682)
RGB-T 目标跟踪综述	丁正彤 徐磊 张研 李飘扬 李阳阳 罗斌 涂铮铮 (690)
小样本目标检测的研究现状	潘兴甲 张旭龙 董未名 姚寒星 徐常胜 (698)
文本特征提取的研究进展	曾明睿 袁梦奇 邵曦 鲍秉坤 徐常胜 (706)

研究性论文

基于关键帧的双流卷积网络的人体动作识别方法	张聪聪 何宁 (716)
基于方向特征显著性计算的 MRI 脑图像肿瘤检测	蹇木伟 王瑞红 举雅琨 朱呈瞻 董军宇 (722)
基于属性关系深度挖掘的试题知识点标注模型	何彬 李心宇 陈蓓蕾 夏盟 曾致中 (727)
融合信息化边界和多模态特征的室内空间布局估计	刘天亮 陆泮宇 戴修斌 刘峰 罗杰波 (735)
基于图卷积网络的多标签食品原材料识别	李辉 闵巍庆 王致岭 彭鑫 (743)
基于 S-LSTM 模型利用‘槽值门’机制的说话人意图识别	王子岳 邵曦 (751)
基于模糊熵的 GLE 熵阈值分割方法	何春明 许磊 卢国胜 邓丽珍 (757)
强电磁环境下基于无线传输的直流电压互感器校验方法误差研究	钟劲松 聂琪 曾非同 李宁 胡浩亮 张建文 (764)

Total Contents of Vol.11,2019

No.1

- Miniaturization techniques for omnidirectional and unidirectional circularly polarized antennas
..... LIN Wei (7)
- A low-profile compact top-hat monopole antenna
..... HOU Yuefeng ZHANG Zhijun (12)
- Theory of complementary source and its application to compact circularly polarized tilted beam antenna
..... ZHANG Wenhai XUE Quan LÜ Wenjun TAM Kam Weng (16)
- A compact dielectric dual-polarized waveguide antenna
..... MA Zilong CHU Qingxin (22)
- Miniaturized low-profile metasurface antenna using capacitive loading
..... JUAN Yue CHE Wenquan YANG Wan Chen (29)
- A novel two low-band 4T4R base station antenna array
..... JIA Feifei LIU Peitao XUE Quan (34)
- A low-profile linearly polarized water antenna inclined at 45 degrees
..... CHEN Keming QIAN Yahui LUO Guoqing (39)
- Low-profile MIMO cube antenna based on characteristic mode theory
..... YU Qi CHEN Yikai YANG Shiwen (46)
- Design of electric dipole and loop antenna based on mu-negative transmission line
..... WANG Yijue JIA Xingning PIAO Dazhi (52)
- A miniaturized omnidirectional circularly polarized antenna design for GPS applications
..... WANG Chenyang LIU Ying JIA Yongtao WANG Kan (56)
- High-gain patch antenna based on TM_{30} mode
..... ZHANG Yunyang CAO Wenquan QIAN Zuping (60)
- Consumer UAV inclining photography route planning and ground station implementation
..... HUANG He LI Ruopeng WANG Liu (67)
- A music recommendation system based on multi-modal fusion
..... GONG Zhi SHAO Xi (76)
- Analysis of the rationality of Nanjing's administrative division adjustment based on a GIS spatial analysis
..... HAN Qifei XUE Fengchang HE Tianhao
..... ZHOU Yang FAN Xiaolu CHEN Shanshan (84)
- Visibility calculation algorithm based on highway video image
..... YAO Zhenhai ZHOU Jianping QIU Xinfu (90)
- Characteristics of C-band weather radar and application on heavy rainfall estimation in the first flood
season of South China WANG Jianhong XIAO Wen CAO Zheng
..... MIAO Chunsheng ZHANG Yu (100)
- Climatic variations of wet days, precipitation and rain intensity in Anhui province during the last
60 years WANG Tao LIU Chengxiao (109)
- Spring and autumn precipitation anomaly in Hebei and its possible relationship with middle and low
level circulation WANG Hong ZHANG Guixiang LI Shucong YU Jinhua LU Qian (120)
- Application of regular expressions in data processing of lightning detection and location system
..... CHENG Qin XIAO Wenan WANG Qinglong
..... XIANG Jianguo YU Nailian CHEN Hua (126)

No.2

- Research progress on intelligent myoelectric control prosthesis
..... SONG Aiguo HU Xuhui ZHU Jiahang (137)
- Research and development of a monitor system for underwater remote-operated vehicles based on ROS
..... TANG Hongru XI Jiafeng SHEN Tianhe BAO Jiatong LIU Qiming (143)
- Study on robot geometric parameters calibration based on improved particle swarm algorithm
..... WEN Xiulan LÜ Zhongyan HE Shun
..... WANG Dongxia KANG Chuanshuai ZHAO Yibing (150)
- Passive training method using Kinect-based upper-limb rehabilitation robot
..... XU Guozheng ZHU Jige (156)
- Evaluation of emotional state based on EEG signals and improving emotions by auditory stimulation
..... WANG Hui QIU Yibo LUO Yongle (164)

- Research on human-computer cooperation method based on tractor driving robot
..... *LU Wei CHEN Hao WANG Jiapeng WANG Ling QIU Wei Yiming Deng* (172)
- EMG measurement position optimization based on ANOVA and BP neural network
..... *WU Changcheng YAN Yuchao CAO Qingqing
FEI Fei YANG Dehua XU Baoguo SONG Aiguo* (179)
- Applying electric propulsion to collision avoidance process in electromagnetic formation flight
..... *BAI Jing WANG Ting* (185)
- Evaluation of output force at the arm end based on sEMG
..... *LIN Zi XIONG Pengwen HE Kongfei ZHANG Fahui* (191)
- Dynamics and stability of pinching movements by dual fingers with redundant muscles
..... *BHARATI Bimal WANG Ting* (197)
- Mechanisms of the Sri Lanka Dome and its evolutionary aspects
..... *K.B.S.S.J EKANAYAKA WANG Weiqiang* (199)
- Block partitioning and strain study in Sichuan-Yunnan region based on cluster analysis
..... *ZHANG Xiaoqing XU Caijun WANG Shuai* (215)
- Design of human-machine interaction system based on Android mobile phone gesture and voice control
..... *GUO Huimin MENG You CHI Shaohua DING Peifu* (220)
- Molecular structure and electronic spectrum of D-glyceric acid under external electric field
..... *GE Yingjian LIU Yuzhu LIN Hua HE Junbo HAN Shun QIN Chaochao* (225)
- Preparation and microwave absorption performances of C/TiO₂ composites with core/shell structure
..... *WANG Yu XUE Xingjian CAO Han SHEN Guozhu* (233)
- The application of analytic hierarchy process (AHP) and geographic information system (GIS) in
lightning disaster risk-zoning in Henan province *CHENG Lidan* (240)

No.3

- Research progress on item recalling in recommender systems
..... *LIAN Defu XIE Xing CHEN Enhong* (250)
- Big data science from the perspective of the fourth paradigm
..... *GU Zheng GAO Yang* (255)
- A survey of human-computer dialogue system based on multiple-round interaction
..... *CHEN Jianpeng MA Jianhui WANG Yijun* (268)
- A survey on theories and algorithms about homogeneous transfer learning
..... *LI Maoying YANG Liu HU Qinghua* (277)
- Personalized news recommendation based on deep learning
..... *WU Fangzhao WU Chuhan AN Mingxiao XIE Xing* (285)
- Cross-domain sentiment classification by capsule network
..... *LIN Yue QIAN Tiejun* (294)
- Image caption algorithm based on an attention image feature extraction network
..... *LI Jinxuan DU Junping ZHOU Nan* (301)
- Multi-pair Bayesian personalized ranking
..... *CHENG Mingyue LIU Qi LI Zhi YU Runlong GAO Weibo CHEN Enhong* (308)
- Multi-view dictionary learning based on intra-view atom incoherence algorithm
..... *TIAN Ze YANG Ming CHEN Zhe SHI Aiye* (315)
- Mining the key factors behind student performance and predicting students' examination scores
..... *XIE Juanying ZHANG Yi CHEN Enhong* (325)
- Data-driven analysis of the correlation between climate change and regional economic growth
..... *XING Jiabao HUANG Xiaomin CAO Yang LUO Liao LIAO Hao* (331)
- Clustering ensemble method based on belief function theory
..... *LI Feng LI Shoumei Thierry Denoeux* (339)
- Combination of LRC and CRC deviation based on mirror image for face recognition
..... *CHEN Ming ZHOU Xianchun ZHOU Jie* (345)
- Predictive mechanisms-based consensus protocol of multi-agent systems
..... *WANG Huiling LIU Chenglin LIU Fei* (351)
- Methods on geolocation error estimation and correction for polar-orbit meteorological satellite
measurements; an overview *TANG Fei DONG Huijie* (359)
- Distribution characteristics and calculation formula for cumulative probability of lightning current
amplitude in Yan'an area *LI Ting ZHAI Yuan SUN Yan GAO Hong* (366)

No.4

- A cooperative longitudinal control approach of multiple-vehicle systems with unknown control input of the leading vehicle GONG Jian CAO Jinde ZHAO Yuan (372)
- Observer-based adaptive consensus control for multi-agent systems LI Gang MIAO Guoying ZHANG Jingyi (379)
- Event-based consensus of multi-agent systems with deception attacks WANG Yuda ZHA Lijuan LIU Jinliang FEI Shumin (389)
- LQR control of quadrotor with tiltable-rotors based on nonlinear separation strategy LU Kaiwen YANG Zhong XU Changliang XU Hao LU Ke (397)
- Synchronization analysis for general linear complex networks via event-based aperiodically intermittent pinning control WANG Ruifeng FENG Jianwen (403)
- Fixed-time mixed outer synchronization of complex networks NIE Pingping LI Wang SHI Hongjun (408)
- Finite-time/fixed-time consensus of multi-agent systems SHAO Shao HU Yuanfa LIU Xiaoyang HUANG Junwei (413)
- Synchronization of two-layer heterogeneous networks with stochastic perturbations and mixed delays JIN Xin YANG Huihui WANG Zhengxin (420)
- Method of quantifying uncertainty in user equilibrium traffic assignment CHENG Xiaoyang LIU Yu GUO Jianhua (427)
- Quasi-synchronization of fractional-order memristor-based neural networks with leakage delay under parameter mismatches ZHANG Jianmei BAO Haibo CAO Jinde (434)
- Finite-time combination synchronization of multiple chaotic systems with multi-switching mode LI Chao ZHANG Bin CHEN Xiangyong LI Tianze DONG Hefu (439)
- H_∞ state estimation of static neural networks with leakage delay WU Shuchen LI Xiaodi (445)
- Stability and Hopf bifurcation of asymmetric double-ring structured neural network ZHOU Shuai XIAO Min XING Ruitao ZHANG Yuezhong CHENG Zunshui (452)
- Robust ELM model with truncated 1-norm loss function WANG Kuaini CAO Jinde (459)
- Ultra-short-term probability prediction of wind power based on wavelet decomposition and long short-term memory network WANG Peng SUN Yonghui ZHAI Suwei HOU Dongchen WANG Sen (466)
- Design and circuit simulation of a multi-wing chaotic attractor based on a threshold-adjustable switched system SHI Qingyu HUANG Xia (473)
- An IOWA operator based RFID data validity evaluation method LONG Siqing ZHAO Panming GUO Jianhua (482)
- Defect classification of secondary equipment in power grid based on XGBoost CHEN Kai NAN Dongliang SUN Yonghui XIA Xiang (489)
- Design of automatic field rescue system based on image processing GUO Naitian PANG Guochen ZHANG Ancai QIU Jianlong (494)
- Control design of an intelligent wheelchair based on a single-chip microcomputer TENG Xingwang CONG Lanmei QIU Jianlong ZHANG Ancai (498)

No.5

- Research progress on stable coins GAO Feng ZHU Liehuang DING Kai GONG Guopeng (512)
- A survey on the security of blockchain LIU Jiuliang FU Zhangjie SUN Xingming (521)
- Application of blockchain in e-commerce information security; a survey WANG Weiguang (531)
- A security survey of mining strategies on bitcoin platform HONG Yang WANG Lisong GE Chunpeng (540)
- Application of blockchain technology in education; current status and future trends HUANG Daming (549)
- A blockchain-based academic paper review and traceability system DING Yong XIANG Hengkui YUAN Fang LUO Decun LIU Lingang ZOU Xiuqing TANG Chenjun (558)
- Rec-chain; international journal publishing system based on blockchain with Proof of Concept in Hyperledger Composer ZHAO Xiaoke SHI Jin (566)

- Data security protection method based on medical alliance chain
..... *SUN Hui CHENG Xu HUANG Zheng CHEN Fulong* (572)
- Research and implementation of smart contract collaborative development system based on
Fabric blockchain *YANG Xiaozhou DONG Xuwen* (579)
- Research on blockchain-based multi-party collaborative security authentication mechanism
..... *SANG Anqi SHEN Meng ZHU Liehuang LIU Sheng YIN Shu XIAO Yao* (589)
- A cloud storage and sharing scheme for medical data based on blockchain
..... *YANG Ming DING Long XU Yan* (595)
- A solution for internet of things based on blockchain and edge computing
... *LIU Shuai QI Rongxin DONG Yihui FENG Meng MIAO Tiantian JIANG Linghong* (600)
- Research on group recommendation based on preference aggregation
..... *WANG Xiangshun ZHENG Xiaoyao ZHU Deyi ZHANG Yue SUN Liping* (608)
- Design method of early warning assistant decision system for microservice architecture
..... *CHEN Shiding LIU Xiang WANG Yingqiong* (620)
- An improved LANDMARC method based on different neighbor reference nodes
..... *XIE Yaqin WANG Chao* (624)

No.6

Summary Articles

- A survey of deep fine-grained visual categorization
..... *DENG Xuran MIN Shaobo XU Jingyuan
LI Pandeng XIE Hongtao ZHANG Yongdong* (637)
- A survey of single object tracking methods
..... *FU Jie XU Changsheng* (650)
- A survey of adversarial attacks and defenses on visual perception in automatic driving
..... *YANG Yijun SHAO Wenze WANG Liqian GE Qi
BAO Bingkun DENG Haisong LI Haibo* (659)
- Heterogeneous face synthesis via generative adversarial networks: progresses and challenges
..... *HUANG Fei GAO Fei ZHU Jingjie DAI Lingna YU Jun* (681)
- A survey of image multi-label learning
..... *YUAN Mengqi BAO Bingkun* (689)
- A survey of RGB-T object tracking
..... *DING Zhengtong XU Lei ZHANG Yan LI Piaoyang
LI Yangyang LUO Bin TU Zhengzheng* (697)
- A survey of few-shot object detection
..... *PAN Xingjia ZHANG Xulong DONG Weiming YAO Hanxing XU Changsheng* (705)
- Research progress on text feature extraction
..... *ZENG Mingrui YUAN Mengqi SHAO Xi BAO Bingkun XU Changsheng* (715)

Research Articles

- Human motion recognition based on key frame two-stream convolutional network
..... *ZHANG Congcong HE Ning* (721)
- Tumor detection in brain imaging based on saliency computation of directional features
..... *JIAN Muwei WANG Ruihong JU Yakun ZHU Chengzhan DONG Junyu* (726)
- Knowledge points annotation based on attribute relation mining
..... *HE Bin LI Xinyu CHEN Beilei XIA Meng ZENG Zhizhong* (734)
- Indoor spatial layout estimation using informative edges and multi-modality features
..... *LIU Tianliang LU Panyu DAI Xiubin LIU Feng LUO Jiebo* (742)
- Multi-label food ingredient recognition via graph convolution network
..... *LI Hui MIN Weiqing WANG Zhiling PENG Xin* (750)
- Speaker intention recognition based on S-LSTM model and slot-gate
..... *WANG Ziyue SHAO Xi* (756)
- GLLE entropic threshold segmentation based on fuzzy entropy
..... *HE Chunming XU Lei LU Guosheng DENG Lizhen* (763)
- Error analysis of DC voltage transformer calibration method based on wireless transmission in
strong electromagnetic environment *ZHONG Jinsong NIE Qi ZENG Feitong
LI Ning HU Haoliang ZHANG Jianwen* (770)