



2020

中国精品科技期刊

OUTSTANDING S&T JOURNALS OF CHINA

北京航空航天大學 学报



北京航空航天大学学报

第 47 卷 第 3 期 (总第 337 期) 2021 年 3 月

目 次

- 基于依存句法的图像描述文本生成 毕健旗, 刘茂福, 胡慧君, 代建华 (431)
基于多特征图像视觉显著性的视频摘要化生成 金海燕, 曹甜, 肖聪, 肖照林 (441)
基于混合网络的异源遥感图像变化检测 周圆, 李祥瑞, 杨晶 (451)
融合深度特征的输电线路金具缺陷因果分类方法 赵振兵, 张薇, 咸银城, 翟永杰, 赵文清 (461)
基于语义相关的多模态社交情感分析 胡慧君, 冯梦媛, 曹梦丽, 刘茂福 (469)
基于深度多模态特征融合的短视频分类 张丽娟, 崔天舒, 井佩光, 苏育挺 (478)
基于 FPGA 无人机影像快速低功耗高精度三维重建 李杰, 李一轩, 吴天生, 王昊榕, 梁敏 (486)
融合句嵌入的 VAACGAN 多对多语音转换 李燕萍, 曹盼, 石杨, 张燕 (500)
一种时空特征聚合的水下珊瑚礁鱼检测方法 陈智能, 史存存, 李轩涯, 贾彩燕, 黄磊 (509)
面向电力系统的多粒度隐患检测方法 徐晓华, 钱平, 王一达, 周昕悦, 徐汉麟, 徐李冰 (520)
电力系统厂站接线图拓扑关系检测技术 李昊, 管冕, 王杉, 石玮, 刘子鑫, 刘晓川 (531)
基于深度学习和图匹配的接线图检测与校核 李昊, 王杉, 耿玉杰, 王黎, 孙文昌, 苗纯源 (539)
基于记忆关联学习的小样本高光谱图像分类方法 王聪, 张锦阳, 张磊, 魏巍, 张艳宁 (549)
低延迟视频编码技术 宋利, 刘孝勇, 武国庆, 朱辰, 黄琰, 解蓉, 张文军 (558)
显著性引导的低光照人脸检测
..... 李可夫, 钟江才, 高兴宇, 翁超群, 陈振宇, 李勇周, 王师峰 (572)
基于对抗和迁移学习的灾害天气卫星云图分类 张敏靖, 白琮, 张敬林, 郑建炜 (585)
基于多语义线索的跨模态视频检索算法 丁洛, 李逸凡, 于成龙, 刘洋, 王轩, 漆舒汉 (596)
基于注意力机制的跨分辨率行人重识别 廖华年, 徐新 (605)
基于多尺度联合学习的行人重识别 谢彭宇, 徐新 (613)
基于块对角投影表示的人脸识别 刘保龙, 王勇, 李丹萍, 王磊 (623)
基于噪声柯西分布的社交图像标签优化与标注 练连荣, 项欣光 (632)
结合颅骨形态特征与神经网络的民族判别
..... 孙慧杰, 赵俊莉, 郑鑫, 热孜万古丽·夏米西丁, 李奕, 周明全 (641)
融合语义信息的视频摘要生成 滑蕊, 吴心筱, 赵文天 (650)
基于无监督学习的多模态可变形配准 马腾宇, 李孜, 刘日升, 樊鑫, 罗钟铉 (658)
一种结合全局和局部相似性的小样本分割方法
..... 刘宇轩, 孟凡满, 李宏亮, 杨嘉莹, 吴庆波, 许林峰 (665)

期刊基本参数: CN 11-2625/V * 1956 * m * A4 * 244 * zh * P * ¥50.00 * 900 * 25 * 2021-03

(编 辑 张 嵘 李 艳 霞 孙 芳 李 贵 黎 贺 伟)

万方数据

JOURNAL OF BEIJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS

Vol. 47 No. 3 (Sum 337) March 2021

CONTENTS

Image captioning based on dependency syntax	BI Jianqi, LIU Maofu, HU Huijun, DAI Jianhua (431)
Video summary generation based on multi-feature image and visual saliency	JIN Haiyan, CAO Tian, XIAO Cong, XIAO Zhaolin (441)
Heterogeneous remote sensing image change detection based on hybrid network	ZHOU Yuan, LI Xiangrui, YANG Jing (451)
Causal classification method of transmission lines fitting defect combined with deep features	ZHAO Zhenbing, ZHANG Wei, QI Yincheng, ZHAI Yongjie, ZHAO Wenqing (461)
Multimodal social sentiment analysis based on semantic correlation	HU Huijun, FENG Mengyuan, CAO Mengli, LIU Maofu (469)
Deep multimodal feature fusion for micro-video classification	ZHANG Lijuan, CUI Tianshu, JING Peiguang, SU Yuting (478)
Fast, low-power and high-precision 3D reconstruction of UAV images based on FPGA	LI Jie, LI Yixuan, WU Tiansheng, WANG Haorong, LIANG Min (486)
Many-to-many voice conversion with sentence embedding based on VAACGAN	LI Yanping, CAO Pan, SHI Yang, ZHANG Yan (500)
An underwater coral reef fish detection approach based on aggregation of spatio-temporal features	CHEN Zhineng, SHI Cuncun, LI Xuanya, JIA Caiyan, HUANG Lei (509)
Multi-granularity hazard detection method for electrical power system	XU Xiaohua, QIAN Ping, WANG Yida, ZHOU Xinyue, XU Hanlin, XU Libing (520)
Topological relation detection technology of substation wiring diagram in electric power system	LI Hao, GUAN Ti, WANG Shan, SHI Wei, LIU Zixin, LIU Xiaochuan (531)
Wiring diagram detection and check based on deep learning and graph matching	LI Hao, WANG Shan, GENG Yujie, WANG Li, SUN Wenchang, MIAO Chunyuan (539)
Small sample hyperspectral image classification method based on memory association learning	WANG Cong, ZHAGN Jinyang, ZHANG Lei, WEI Wei, ZHANG Yanning (549)
Low-latency video coding techniques	SONG Li, LIU Xiaoyong, WU Guoqing, ZHU Chen, HUANG Yan, XIE Rong, ZHANG Wenjun (558)
Saliency guided low-light face detection	LI Kefu, ZHONG Huicai, GAO Xingyu, WENG Chaoqun, CHEN Zhenyu, LI Yongzhou, WANG Shizheng (572)
Classification of satellite cloud images of disaster weather based on adversarial and transfer learning	ZHANG Minjing, BAI Cong, ZHANG Jinglin, ZHENG Jianwei (585)
Cross-modal video retrieval algorithm based on multi-semantic clues	DING Luo, LI Yifan, YU Chenglong, LIU Yang, WANG Xuan, QI Shuhan (596)
Cross-resolution person re-identification based on attention mechanism	LIAO Huanian, XU Xin (605)
Multi-scale joint learning for person re-identification	XIE Pengyu, XU Xin (613)
Block-diagonal projective representation for face recognition	LIU Baolong, WANG Yong, LI Danping, WANG Lei (623)
Social image tag refinement and annotation based on noise Cauchy distribution	LIAN Lianrong, XIANG Xinguang (632)
Ethnic identification by combining features of skull morphology with neural network	SUN Huijie, ZHAO Junli, ZHENG Xin, REZIWANGULI Xiamixiding, LI Yi, ZHOU Mingquan (641)
Video summarization by learning semantic information	HUA Rui, WU Xiniao, ZHAO Wentian (650)
Multimodal deformable registration based on unsupervised learning	MA Tengyu, LI Zi, LIU Risheng, FAN Xin, LUO Zhongxuan (658)
A few shot segmentation method combining global and local similarity	LIU Yuxuan, MENG Fanman, LI Hongliang, YANG Jiaying, WU Qingbo, XU Linfeng (665)