莫 楠

简 介

女，汉族，1991 年 12 月生，辽宁鞍山人，工学博士，讲师。主要从事遥感图像智能解译方面的研究，在遥感影像阴影处理、目标检测、场景分类等方面取得了一定的研究成果。

学习和工作经历

2010.09-2014.06，中国矿业大学（徐州），测绘工程专业，本科；

2014.09-2017.06，武汉大学，摄影测量与遥感专业，硕士，导师：闫利教授；

2017.09-2020.12，武汉大学，大地测量学与测量工程专业，博士，导师：刘经南院士，闫利教授；

2021 年 4 月至今，南京工业大学，测绘科学与技术学院，讲师。

主要研究领域

· 阴影处理、目标检测、地表覆盖分类等高分辨率遥感图像处理任务
· 人工智能，深度学习，迁移学习等机器学习方法
· 地理遥感大数据应用

招生领域及方向

遥感影像智能处理、地表覆盖分类、人工目标识别、机器学习和人工智能等方向。

学术兼职

担任 IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing、IEEE Access 期刊审稿人

科研项目

· 国家重点研发计划:基于国产遥感卫星的典型要素提取技术（2016YFB0501403），参加。
· 国家重点研发计划:现场四维重建与信息融合技术研究（2017YFC08038），参加。
· 测绘地理信息公益性行业科研专项：国产倾斜航摄仪与 POS 一体化集成及软件平台开发和示范应用（201512008），参加。

代表性学术论文

[1] **Mo Nan**, Yan Li. Improved Faster RCNN Based on Feature Amplification and Oversampling Data Augmentation for Oriented Vehicle Detection in Aerial Images. Remote Sensing. 2020, 12(16), 2558.

[2] **Mo Nan**, Yan Li, Zhu Ruixi, et al. Class-Specific Anchor Based and Context-Guided Multi-Class Object Detection in High Resolution Remote Sensing Imagery with a Convolutional Neural Network. Remote Sensing.2019, 11(3), 272.

[3] **Mo Nan**, Zhu Ruixi, Yan Li, et al. Deshadowing of Urban Airborne Imagery Based on Object-Oriented Automatic Shadow Detection and Regional Matching Compensation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018:1-21.

[4] **Mo Nan**,Yan Li. Oriented Vehicle Detection in High-Resolution Remote Sensing Images Based on Feature Amplification and Category Balance by Oversampling Data Augmentation. ISPRS-International Archives of the Photogrammetry, Remote sensing and Spatial Information Sciences,43:153-159.

[5] Zhu Ruixi, Yan Li, **Mo Nan**, et al. Semi-supervised center-based discriminative adversarial learning for cross-domain scene-level land-cover classification of aerial images, ISPRS Journal of Photogrammetry and Remote Sensing, 2019,155:72-89.

[6] Yan Li, Zhu Ruixi, **Mo Nan**, et al. Cross-Domain Distance Metric Learning Framework With Limited Target Samples for Scene Classification of Aerial Images. IEEE Transactions on Geoscience and Remote Sensing, 2019:1-18.

[7] Yan Li, Zhu Ruixi, Liu Yi, **Mo Nan**. Scene capture and selected codebook-based refined fuzzy classification of large high-resolution images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56(7): 4178-4192.

[8] Yan Li, Zhu Ruixi, Liu Yi, **Mo Nan**. TrAdaBoost based on improved particle swarmoptimization for cross-domain scene classification with limited samples. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018,11(9): 3235-3251.

[9] Yan Li, Zhu Ruixi, **Mo Nan**, et al. Improved Class-Specific Codebook with Two-Step Classification for Scene-Level Classification of High Resolution Remote Sensing Images. Remote Sensing, 2017, 9(3):223.

[10] 闫利，**莫楠，**费亮. 倾斜影像整体变分模型阴影检测算法改进.《遥感信息》, 2017, 32(002):54-59.

联系方式

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教学情况

暂无