



首都师范大学

地球空间信息科学与技术国际化示范学院

College of Geospatial Information Science and Technology

English

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时晨

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教育经历

2009/9 - 2015/9, 纽约州立大学布法罗分校, 地理, 博士

2007/9 - 2009/6, 武汉大学, 摄影测量与遥感, 硕士

2003/9 - 2007/6, 武汉大学, 遥感科学与技术, 学士

工作经历

2017/1-至今, 首都师范大学, 资源环境与旅游学院, 副研究员

2015/9-2016/12, 首都师范大学, 资源环境与旅游学院, 讲师

期刊论文

- (1) Tian, J.Y., Wang, L., Li, X.J., Shi, C., & Gong, H.L. (2017). Differentiating Tree and Shrub LAI in a Mixed Forest With ICESat/GLAS Spaceborne LiDAR. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 10, 87-94
- (2) Shi, C., & Wang, L. (2016). Linear Spatial Spectral Mixture Model. *IEEE Transactions on Geoscience and Remote Sensing*, 54(6), 3599-3611
- (3) Wang, L., Shi, C., Diao, C.Y., Ji, W.J., & Yin, D.M. (2016). A survey of methods incorporating spatial information in image classification and spectral unmixing. *International Journal of Remote Sensing*, 37(16), 3870-3910
- (4) Jacquez, G.M., Sabel, C.E., & Shi, C. (2015). Genetic GIScience: Toward a Place-Based Synthesis of the Genome, Exposome, and Behavome. *Annals of the Association of American Geographers*, 105(3), 454-472
- (5) Jacquez, G.M., Shi, C., & Meliker, J.R. (2015). Local Bladder Cancer Clusters in Southeastern Michigan Accounting for Risk Factors, Covariates and Residential Mobility. *Plos One*, 10(4), 16

(6) Shi, C., & Wang, L. (2014). Incorporating spatial information in spectral unmixing: A review. *Remote Sensing of Environment*, 149, 70–87

主持或参加科研项目情况

(1) 国家自然科学基金青年科学基金项目，41601363，结合空间信息的混合像元分解方法研究，2017/01-2019/12，在研，主持

(2) 美国国家医学图书馆项目，R21LM011132，Exploratory Evaluation of Homomorphic Cryptography For Confidentiality Protection，2012/03-2015/03，已结题，参与

(3) 美国国家癌症研究所项目，R44CA135818，Case-Only Cancer Clustering For Mobile Populations，2009/06-2014/06，已结题，参与

(4) 美国自然科学基金项目，0822489，Collaborative Research: Improving Small Area Population Estimation with High-Resolution Remote Sensing，2008/07-2013/01，已结题，参与

(5) 美国自然科学基金项目，0810933，Collaborative LTREB: Experimental and Observational Studies of Mangrove Forest Structure and Gap Dynamics，2007/09-2011/09，已结题，参与

学术奖励

- (1) Shi, C., American Association of Geographers Remote Sensing Specialty Group Student Honors Paper Award, American Association of Geographers, Student Honors Paper Competition, 2nd Place, 2015
- (2) Shi, C., UNESCO Chair Young Scholar Summit Student Paper Award, UNESCO Chair in Hydroinformatics for Ecohydrology, Student Paper Award, 2nd Place, 2012

学术会议报告

- (1) Shi, C., & Wang, L. (2016) “Evaluating the Usability of Spatially-Interpolated Endmembers for Spectral Mixture Analysis with Imaging Spectroscopy.” AGU Fall Meeting, San Francisco, California
- (2) Shi, C., & Wang, L. (2016) “A linear spatial spectral mixture model for the improved estimation of abundances.” Annual Meeting of the Association of American Geographers, San Francisco, California
- (3) Shi, C., & Wang, L. (2015) “A Linear Spatial Spectral Mixture Model for the Improved Estimation of Subpixel Saltcedar Cover along the Forgotten River.” AGU Fall Meeting, San Francisco, California

(4) Shi, C., & Wang, L. (2015) “Spatial statistical detection of homogeneous regions for remotely sensed imagery.” Annual Meeting of the Association of American Geographers, Chicago, Illinois

(5) Shi, C., & Wang, L. (2014) “Incorporate spatial dependence in spectral unmixing: A case study of invasive saltcedar along the Forgotten River.” Annual Meeting of the Association of American Geographers, Tampa, Florida

(6) Shi, C., & Wang, L. (2012) “Incorporating spatial information in spectral unmixing: A review.” Annual Meeting of the Association of American Geographers, New York, New York

课程教学

首都师范大学

遥感原理与方法（英文）

数字图像处理

Data Integration（英文）

纽约州立大学布法罗分校

Earth Systems Science II: Climate Change Laboratory (英文)

Cartography Laboratory (英文)

期刊审稿

IEEE Transactions on Geoscience and Remote Sensing

IEEE Geoscience and Remote Sensing Letters

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