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基本信息

性别:	男	主页网址:	
出生年月:	1982.8	办公地点:	气象楼823
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职务:			

教育与工作经历

工作经历:

2018/07~今, 南京信息工程大学, 应用气象学院应用气象学系, 副教授/硕士生导师

2015/03~2016/03, 美国, 新罕布什尔大学, 地球海洋空间研究所, 访问学者

2013/09~2018/06, 南京信息工程大学, 应用气象学院应用气象学系, 讲师

教育经历:

2009/09~2013/09, 南京大学, 地理学 (资源环境遥感), 博士

2006/09~2009/06, 西北农林科技大学, 地图学与地理信息系统, 硕士

2002/09~2006/06, 西北农林科技大学, 地理信息系统, 学士

学术与社会兼职

中国林学会林业气象专业委员会 常务委员

中国气象学会(CMS) 会员

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研究领域与方向

主要从事陆地碳水循环及资源环境遥感等方面研究

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主要项目、论文、专著和专利

第一作者论文

- [1] **Yibo Liu**, Jingfeng Xiao*, Weimin Ju, Gaolong Zhu, Xiaocui Wu, Weiliang Fan, Dengqiu Li, Yanlian Zhou. Satellite-derived LAI products exhibit large discrepancies and can lead to substantial uncertainty in simulated carbon and water fluxes. **Remote Sensing of Environment**, 2018, 206: 174-188.
- [2] **Yibo Liu**, Jingfeng Xiao*, Weimin Ju, Ke Xu, Yanlian Zhou, Yuntai Zhao. Recent trends in vegetation greenness in China significantly altered annual evapotranspiration and water yield. **Environmental Research Letters**, 2016, 11, 094010.
- [3] **Yibo Liu**, Jingfeng Xiao, Weimin Ju*, Yanlian Zhou, Shaoqiang Wang, Xiaocui Wu. Water use efficiency of China's terrestrial ecosystems and responses to drought. **Scientific Reports**, 2015, 5, 13799.
- [4] **Yibo Liu**, Yanlian Zhou, Weimin Ju*, Shaoqiang Wang, Xiaocui Wu, Mingzhu He. Impacts of droughts on carbon sequestration by China's terrestrial ecosystems from 2000 to 2011. **Biogeosciences**, 2014, 11(10), 2583-2599.
- [5] **Yibo Liu**, Yanlian Zhou*, Weimin Ju, Jingming Chen, Shaoqiang Wang, Honglin He, Huimin Wang, Dexin Guan, Fenghua Zhao, Yingnian Li, Yanbin Hao. Evapotranspiration and water yield in China's landmass from 2000 to 2010. **Hydrology and Earth System Sciences**, 2013, 17(12): 4957-4980.
- [6] **Yibo Liu**, Weimin Ju*, Honglin He, Shaoqiang Wang, Rui Sun, Yuandong Zhang. Changes of net primary productivity in China during recent 11 years detected using an ecological model driven by MODIS data. **Frontiers of Earth Science**, 2013, 7(1): 112-127.
- [7] **Yibo Liu**, Weimin Ju*, Jingming Chen, Gaolong Zhu, Bailing Xing, Jingfang Zhu, Mingzhu He. Spatial and temporal variations of forest LAI in China during 2000-2010. **Chinese Science Bulletin**, 2012, 57(22): 2846-2856.
- [8] 柳艺博, 胡正华*, 李琪, 张雪松, 张琪. 北方地区叶面积指数变化对蒸散和产水量的影响. *中国生态农业学报*, 2017, (25), 1206-1215.
- [9] 柳艺博, 王怀清*, 居为民. 干旱对江西省森林生产力的影响特征. *自然灾害学报*, 2016, 25, 67-77.
- [10] 柳艺博, 居为民*, 朱高龙, 陈镜明, 邢白灵, 朱敬芳, 周艳莲. 内蒙古不同类型草地叶面积指数遥感估算研究. *生态学报*, 2011, 31(18): 5159-5170.

合作论文

- [1] Mei Zan, Yanlian Zhou*, Weimin Ju, Yongguang Zhang, Leiming Zhang, **Yibo Liu**. Performance of a two-leaf light use efficiency model for mapping gross primary productivity against remotely sensed sun-induced chlorophyll fluorescence data. *Science of the Total Environment*, 2018, 613-614: 977-989.
- [2] Gen Li, Fangmin Zhang*, Yuanshu Jing*, **Yibo Liu**, Ge Sun. Response of evapotranspiration to changes in land use and landcover and climate in China during 2001-2013. *Science of The Total Environment*, 2017, 596-597: 256-265.
- [3] Zheng Zhao, Zhimin Sha, **Yibo Liu**, Shuhang Wu, Hanlin Zhang, Changsheng Li, Qi Zhao, Linkui Cao*. Modeling the impacts of alternative fertilization methods on nitrogen loading in rice production in Shanghai. *Science of The Total Environment*, 2016, 566-567: 1595-1603.
- [4] Xiaocui Wu, Weimin Ju*, Yanlian Zhou, Mingzhu He, Beverly Law, T. Andrew Black, Hank Margolis, Alessandro Cescatti, Lianhong Gu, Leonardo Montagnani, Asko Noormets, Timothy Griffis, Kim Pilegaard, Andrej Varlagin, Riccardo Valentini, Peter Blanken, Shaoqiang Wang, Huimin Wang, Shijie Han, Junhua Yan, Yingnian Li, Bingbing Zhou, **Yibo Liu**. Performance of linear and nonlinear two-leaf light use efficiency models at different temporal scales. *Remote Sensing*, 2015, 7(3): 2238-2278.
- [5] Lidong Huang, Yaohong Zhang, Yiming Shi, **Yibo Liu**, Lin Wang, Ning Yan. Comparison of phosphorus fractions and phosphatase activities in coastal wetland soils along vegetation zones of Yancheng National Nature Reserve, China. *Estuarine, Coastal and Shelf Science*, 2015, 157: 93-98.
- [6] Gaolong Zhu, Weimin Ju*, Jingming Chen, **Yibo Liu**. A novel Moisture Adjusted Vegetation Index (MAVI) to reduce background reflectance and topographical effects on LAI retrieval. *PLoS ONE*, 2014, 9(7): e102560.
- [7] Mingzhu He, Yanlian Zhou, Weimin Ju*, Jingming Chen, Li Zhang, Shaoqiang Wang, Nobuko Saigusa, Ryuichi Hirata, Shohei Murayama, **Yibo Liu**. Evaluation and improvement

of MODIS gross primary productivity in typical forest ecosystems of East Asia based on eddy covariance measurements. *Journal of Forest Research*, 2013, 18(1): 31-40.

[8] Zhujun Gu, Weimin Ju*, **Yibo Liu**, Dengqiu Li, Weiliang Fan. Forest Leaf Area Index Estimated from Tonal and Spatial Indicators Based on IKONOS_2 Imagery, *International Journal of Remote Sensing Application*, 2013, 3(4): 175-184.

[9] Zhujun Gu, Weimin Ju*, Lin Li, Dengqiu Li, **Yibo Liu**, Weiliang Fan. Using vegetation indices and texture measures to estimate vegetation fractional coverage (VFC) of planted and natural forests in Nanjing city, China, *Advances in Space Research*, 2013, 51(7):1186-1194.

[10] Zhujun Gu, Weimin Ju*, **Yibo Liu**, Dengqiu Li, Weiliang Fan. Applicability of spectral and spatial information from IKONOS-2 imagery in retrieving leaf area index of forests in the urban area of Nanjing, China. *Journal of Applied Remote Sensing*, 2012, 6.

[11] Xiaofeng Zhao, Xianjin Huang*, **Yibo Liu**. Spatial auto correlation analysis of Chinese inter-provincial industrial chemical oxygen demand discharge. *International Journal of Environmental Research and Public Health*, 2012, 9(6): 2031-2044.

[12] 张雪松*, 刘雅各, 胡正华, 柳艺博, 张富存, 韩小梅. 生态模型在农田蒸散及土壤水分模拟中的适用性评价. *生态学杂志*, 2017, 36(1): 267-276.

[13] 李登秋, 周艳莲*, 居为民, 王辉民, 柳艺博, 吴小翠. 太阳辐射变化对亚热带人工常绿针叶林总初级生产力影响的模拟分析. *植物生态学报*, 2014, 38(3): 219-230.

[14] 朱高龙, 柳艺博, 居为民*, 陈镜明. 4种常用植被指数的地形效应评估, *遥感学报*. 2013, 17(1): 210-234.

[15] 李登秋, 居为民*, 郑光, 柳艺博, 咎梅, 张春华, 黄金龙. 基于生态过程模型和森林清查数据的森林生长量估算对比研究, *生态环境学报*. 2013, 22(10): 1647-1657.

[16] 关颖慧, 郑粉莉, 王彬, 丁晓斌, 柳艺博. 基于DEM的黑龙江宾州河流域水系提取试验研究. *水土保持通报*, 2012, 32(1): 127-131.

[17] 邢白灵, 居为民, 朱高龙, 柳艺博, 朱敬芳, 何明珠. 呼伦贝尔草原植被覆盖度地面实测与遥感估算研究. *江西农业学报*, 2012, 24(5): 142-147.

[18] 朱高龙, 居为民*, 陈镜明, 柳艺博, 朱敬芳, 邢白灵. 利用POLDER数据验证MODISBRDF模型参数产品及Ross-Li模型. *遥感学报*, 2011, 15(5): 875-894

[19] 朱敬芳, 邢白灵, 居为民, 朱高龙, 柳艺博. 内蒙古草原植被覆盖度遥感估算. *植物生态学报*, 2011, 35(6): 615-622.

[20] 卞德鹏, 常庆瑞, 柳艺博, 段正松, 高欣, 张铁婵. 黄土丘陵沟壑区耕地数量动态变化及其驱动力分析—以吴起县为例. *干旱地区农业研究*, 2009, 27(3): 245-248.

EI论文

[1] Xiaocui Wu, Weimin Ju, Yanlian Zhou, Bingbing Zhou, **Yibo Liu**. Evaluation of downward surface solar radiation of three reanalysis products over China. 2014 International Workshop on Satellite Application and Public Service, November 15-16, 2014, Guangzhou, China

[2] **Yibo Liu**, Weimin Ju, Mingzhu He, Gaolong Zhu, Yanlian Zhou. Decrease of net primary productivity in China's terrestrial ecosystems caused by severe droughts in 2009. 2012 Second International Workshop on Earth Observation and Remote Sensing Applications. 2012.

[3] **Yibo Liu**, Qingrui Chang, Jing Liu, Weimin Ju, Gaolong Zhu, Zhengsong Duan. Spatial distribution of soil erosion in a black soil region of Northeast China studied using remote sensing and GIS techniques. 2010 18th International Conference on Geoinformatics. 2010.

[4] Bailing Xing, Weimin Ju, Gaolong Zhu, Xianfeng Li, **Yibo Liu**, Yanlian Zhou. The comparison of different methods to measure leaf area index of forests in Maoershan Mountain, Northeastern China. 2010 18th International Conference on Geoinformatics. 2010.

近期科研项目:

国家自然科学基金青年项目“干旱对鄱阳湖流域生态系统碳收支影响”, 起止时间: 2015.1-2017.12, 主持。

江苏省农业气象重点实验室开放课题“干旱对亚热带森林生产力的影响研究”, 起止时间: 2015.1-2016.12, 主持。

南京信息工程大学科研启动基金“极端气候事件对鄱阳湖流域森林生产力的影响研究”, 起止时间: 2014.1-2015.12, 主持。

获奖情况

南京大学优秀博士学位论文 2015

“Yang Hanxi Career Enhancement Award” 2011

其它学术成果

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