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研究兴趣

土地系统科学, 可持续发展, 资源环境遥感, 地理信息系统

教育背景

- 博士 (2017.11-2023.03) 阿姆斯特丹自由大学, 土地系统科学 (国家留学基金委资助)
- 硕士 (2014.09-2017.06) 北京林业大学, 水土保持 (推荐免试)
- 本科 (2010.09-2014.06) 河南理工大学, 资源环境与城乡规划管理 (排名: 1/58)

研究内容与成果

主要基于自然资源学和土地系统科学等学科理论, 采用遥感、空间信息和计量分析等技术手段, 致力于解决土地资源开发利用的时空失序问题。博士期间, 主要完成了全球土地利用强度制图和分析相关工作。同时, 围绕城市建成环境初步开展了较为系统性的研究, 包括人类对城市建成环境的主观感知空间制图和城市空间结构对热环境的影响。自 2019 年以来, 围绕相关方向发表 SCI/SSCI 论文 14 篇。其中, 第一/通讯作者 6 篇, 2 篇入选 ESI 前 1% 高被引论文。

*通讯作者 ★代表作

- **Li, M.***, Verburg, P. H., & van Vliet, J. (2022). Global trends and local variations in land take per person. *Landscape and Urban Planning*, 218, 104308. DOI: [10.1016/j.landurbplan.2021.104308](https://doi.org/10.1016/j.landurbplan.2021.104308) [ESI 前 1% 高被引论文, SCI/SSCI, 中科院 1 区 TOP, 城市研究领域排名第 1, IF 8.119] [★]
- **Li, M.***, Koks, E., Taubenböck, H., & van Vliet, J. (2020). Continental-scale mapping and analysis of 3D building structure. *Remote Sensing of Environment*, 245, 111859. DOI: [10.1016/j.rse.2020.111859](https://doi.org/10.1016/j.rse.2020.111859) [ESI 前 1% 高被引论文, SCI, 中科院 1 区 TOP, 遥感领域排名第 1, IF 13.85] [★]
- **Li, M.**, Wang, Y., Rosier, J., Verburg, P.H. & van Vliet, J.* (2022). Global maps of 3D built-up patterns for urban morphological analysis. *International Journal of Applied Earth Observation and Geoinformation*, 114, 103048. DOI: [10.1016/j.jag.2022.103048](https://doi.org/10.1016/j.jag.2022.103048) [SCI, 中科院 1 区 TOP, 遥感领域知名期刊, IF 7.672]
- **Li, M.***, van Vliet, J., Ke, X., & Verburg, P. H. (2019). Mapping settlement systems in China and their change trajectories between 1990 and 2010. *Habitat International*, 94, 102069. DOI: [10.1016/j.habitatint.2019.102069](https://doi.org/10.1016/j.habitatint.2019.102069) [SSCI, 中科院 1 区 TOP, 城市研究领域知名期刊, IF 5.205]
- Yue, W., Zhou, Q., **Li, M.***, & van Vliet, J. (2023). Relocating built-up land for biodiversity conservation in an uncertain future. *Journal of Environmental Management*. DOI: [10.1016/j.jenvman.2023.118706](https://doi.org/10.1016/j.jenvman.2023.118706) [SCI, 中科院 1 区 TOP, 环境管理领域知名期刊, IF 8.7]

- Yue, W., Feng, B., Zhou, Q., Xu, R., & **Li, M.*** (2024). An assessment of the Ecological Conservation Redline: Unlocking priority areas for conservation. *Journal of Environmental Planning and Management*. DOI: [10.1080/09640568.2022.2145939](https://doi.org/10.1080/09640568.2022.2145939) [SSCI, 中科院 3 区, 环境规划领域知名期刊, IF 3.371]
- He, T., Wang, K., Xiao, W.*, Xu, S., **Li, M.**, Yang, R., & Yue, W. (2023). Global 30 meters spatiotemporal 3D urban expansion dataset from 1990 to 2010. *Scientific Data*. DOI: [10.1038/s41597-023-02240-w](https://doi.org/10.1038/s41597-023-02240-w) [SCI, 中科院 2 区, 数据领域知名期刊, IF 8.501]
- Guo, A., He, T., Yue, W., Xiao, W., Yang, J., Zhang, M., & **Li, M.** (2023). Contribution of urban trees in reducing land surface temperature: Evidence from China's major cities. *International Journal of Applied Earth Observation and Geoinformation*. DOI: [10.1016/j.jag.2023.103570](https://doi.org/10.1016/j.jag.2023.103570)
- Lu, Y., He, T.*, Yue, W., **Li, M.**, Shan, Z., & Zhang, M. (2023). Does cropland threaten urban land use efficiency in the peri-urban area? Evidence from metropolitan areas in China. *Applied Geography*. DOI: [10.1016/j.apgeog.2023.103124](https://doi.org/10.1016/j.apgeog.2023.103124)
- Guo, A., Yue, W.*, Yang, J., Xue, B., Xiao, W., **Li, M.**, He, T., Zhang, Mao., Jin, X., & Zhou, Q. (2023). Cropland abandonment in China: Patterns, drivers, and implications for food security. *Journal of Cleaner Production*. DOI: [10.1016/j.jclepro.2023.138154](https://doi.org/10.1016/j.jclepro.2023.138154)
- van Vliet, J.*, Birch-Thomsen, T., Gallardo, M., Hemerijckx, L., Hersperger, A., **Li, M.**, Tumwesigye, S., Twongyirwe, R., & van Rompaey, A. (2020). Bridging the rural-urban dichotomy in land use science. *Journal of Land Use Science*, 15(5), 585-591. DOI: [10.1080/1747423X.2020.1829120](https://doi.org/10.1080/1747423X.2020.1829120) [SSCI, 中科院 3 区, 土地利用领域旗舰期刊, IF 2.897]
- Guo, A., Yue, W.*, Yang, J., **Li, M.**, Xie, P., He, T., Zhang, M., & Yu, H. (2023). Quantifying the impact of urban ventilation corridors on thermal environment in Chinese megacities. *Ecological Indicators*. DOI: [10.1016/j.ecolind.2023.111072](https://doi.org/10.1016/j.ecolind.2023.111072)
- Wei, J., Yue, W.*, **Li, M.**, & Gao, J. (2022). Mapping human perception of urban landscape from street-view images: A deep-learning approach. *International Journal of Applied Earth Observation and Geoinformation*, 112, 102886. DOI: [10.1016/j.jag.2022.102886](https://doi.org/10.1016/j.jag.2022.102886) [SCI, 中科院 1 区 TOP, 遥感领域知名期刊, IF 8.119]
- Guo, A., Yue, W.*, Yang, J., He, T., Zhang, M., & **Li, M.** (2022). Divergent impact of urban 2D/3D morphology on thermal environment along urban gradients. *Urban Climate*. 45, 101278. DOI: [10.1016/j.uclim.2022.101278](https://doi.org/10.1016/j.uclim.2022.101278) [SCI, 中科院 2 区, 城市气候领域旗舰期刊, IF 6.663]
- **李蒙蒙**, 丁国栋, 高广磊, 赵媛媛, 于明含, & 王德英. (2016). 樟子松在中国北方 10 省(区)引种的适宜性. *中国沙漠*, 36(4), 1021-1028. DOI: [10.7522/j.issn.1000-694X.2015.00073](https://doi.org/10.7522/j.issn.1000-694X.2015.00073)
- **李蒙蒙**, 赵媛媛, 高广磊, 丁国栋, & 于娜. (2016). DEM 分辨率对地形因子提取精度的影响. *中国水土保持科学*, 14(5), 15-22. DOI: [10.16843/j.sswwc.2016.05.003](https://doi.org/10.16843/j.sswwc.2016.05.003)
- 岳文泽, 周秋实, **李蒙蒙**, & 张衍春. (2023). 面向主体功能分区的建设用地评估: 模式识别与时空演变. *城市规划*. 1-10. DOI: [10.11819/cpr20231607a](https://doi.org/10.11819/cpr20231607a)

审稿服务

- Remote Sensing of Environment (8)
- Environment and Planning B: Urban Analytics and City Science (4)
- Habitat International (3)
- International Journal of Applied Earth Observation and Geoinformation (2)
- Ecological Indicators (2)
- Journal of Land Use Science (2)
- Computers, Environment and Urban Systems (1)

- Landscape and Urban Planning (1)
- Natural Hazards and Earth System Sciences (1)
- Nature Sustainability (1)
- Regional Environmental Change (1)
- World Development (1)

技能

- Python (e.g., Pandas, Sci-kit learn, seaborn, ArcPy, and Google APIs)
- JavaScript (e.g., Leaflet, and Google Earth Engine)
- Geographical Information System (GIS)
- Adobe Suite (e.g., Photoshop, Illustrator, and Dreamweaver)

推荐人

- Peter H. Verburg
- Jasper van Vliet