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研究领域	城 市/区 域 减 灾 规 划 与 管 理 (Hazard mitigation) ,气候变化 (Climate change) ,湿地保护 (Wetland conservation) ,干旱监测与水资源管理 (Drought monitoring/water resource management) ,遥感影像分析在国土资源和自然环境规划管理的应用 (Remote sensing and geospatial data analysis) ,地理空间人工智能 (GeoAI & Precision conservation)			
个人简历	教育经历: 2017.08– 2022.08: 内布拉斯加大学林肯分校 (University of Nebraska-Lincoln), 自然资源科学 (Natural Resources Science), 博士 (PhD) 2011.08 – 2014.12: 内布拉斯加大学林肯分校 (University of Nebraska-Lincoln), 社区与区域规划 (Community and Regional Planning), 硕士 2007.09– 2011.06: 河海大学, 资源环境与城乡规划, 理学学士 工作经历: 2014-2017: 浙江省水利河口研究院 2023-至今: 杭州师范大学, 讲师			
科研情况	学术论文: 1. Zhang, L., Hu, Q., & Tang, Z. (2022). Using Sentinel-2 Imagery and Machine Learning Algorithms to Assess the Inundation Status of Nebraska Conservation Easements during 2018–2021. Remote Sensing, 14(17), 4382. https://doi.org/10.3390/rs14174382. (IF: 5.349, 中科院: Q2 Top, JCR: Q1) 2. Zhang, L., Hu, Q., Tang, Z., (2022). Assessing the Contemporary Status of Nebraska’s Eastern Saline Wetlands by Using a Machine Learning Algorithm on the Google Earth Engine Cloud Computing Platform, Environmental Monitoring and Assessment, 194:193. (IF: 3.307, 中科院: Q4, JCR: Q3) 3. Zhang, L., Hu, Q., Hayes, M., Burbach, M., Messer, T., Zhou, Y., & Tang, Z. (2022). Evaluating Nebraska’s Local Comprehensive Plans to Achieve the National Wetland Conservation Missions in the USA. Ecosystem Health and Sustainability, 2070550. (IF: 4.971, 中科院: Q2, JCR: Q1) 4. Hu, Q., Woldt, W., Neale, C., Zhou, Y., Drahota, J., Varner, D., Bishop, A., LaGrange, T., Zhang, L., Tang, Z., (2021). Utilizing unsupervised			

	learning, multi-view imaging, and CNN-based attention facilitates cost-effective wetland mapping, Remote Sensing of Environment 267: 112757. (IF: 13.850, 中科院: Q1, JCR: Q1) 5. Yan, B., Yuan, Z., Luo, Q., Li, J., Zhai, X., Zhang, X., & Zhang, L. (2020). The matching degree of water resources and social economy-ecology-energy in the yangtze river economic belt. Journal of Coastal Research, 104(SI), 535-540. (IF: 1.110, 中科院 Q4, JCR: Q4) 6. Yan, B., Yuan, Z., Li, J., Yao, L., Song, L., Liu, Y., ... & Zhang, L. (2020, March). Analysis of Characteristics of Temperature Changes in Heilongjiang River Basin. In IOP Conference Series: Materials Science and Engineering (Vol. 794, No. 1, p. 012069). IOP Publishing. 7. Hu, Q., Tang, Z., Zhang, L., Xu, Y., Wu, X., & Zhang, L. (2018). Evaluating climate change adaptation efforts on the US 50 states' hazard mitigation plans. Natural hazards, 92(2), 783-804. (IF: 3.158, 中科院: Q3, JCR: Q2) 8. Tang, Z., Zhang, L., Xu, F., & Vo, H. (2015). Examining the role of social media in California's drought risk management in 2014. Natural Hazards, 79(1), 171-193. (IF: 3.158, 中科院: Q3, JCR: Q2) 科研项目 1. USDA (美国农业部): Develop a near real-time monitoring tool from the Sentinel satellites for conservation easements in Nebraska (基于哨兵卫星的内布拉斯加保护性用地的实时监测), 参与 2. USEPA (美国环境部): Salinity monitoring in Nebraska's Eastern Saline Wetlands (内布拉斯加东部盐碱性湿地的检测), 参与 3. USEPA (美国环境部): Monitoring and evaluating salinity status, hydrological interaction, and vegetation community for Nebraska's Eastern Saline Wetlands (基于哨兵卫星的内布拉斯加东部盐碱性湿地的实时监测), 参与 4. USEPA (美国环境部): Innovative Technology (Unmanned Aerial Vehicle & AI) for Environmental Monitoring and Assessment (无人机和人工智能在环境监测和规划上应用), 参与 5. USEPA (美国环境部): Maximize the Capacity of Nebraska Wetland Program Plan through Integrating Wetland Conservation into Local Planning (提高内布拉斯加州湿地保护规划在地方性规划中的应用), 参与 6. NOAA (美国国家海洋和大气管理局): Increasing the Capacity for Municipal Climate Adaptation Planning in the Lower Missouri River Basin
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	States (提高下密苏里河流沿岸州城市气候变化的适应和应对能力), 参与 授权发明专利: 一种预测恶意软件感染的统计预测系统和方法 (CN201710011379.X) 用于危险主机监测的主动机器学习系统 (CN201710059582.4) 一种动态 IP 到主机映射的高效方法 (CN201710011380.2) 基于遗传算法的隐马尔科夫模型在主机风险评估中的应用 (CN201710011231.6) 用于在企业网络中检测异常主机的机器学习系统 (CN201611144494.6)
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