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Research Interests

- Ecosystem service supply, demand, and flow
- Ecological effects of land-use change
- Social-ecological systems and landscape sustainability
- Agricultural ecosystem service

Publication

Spatiotemporal patterns and drivers of ecosystem service supply and demand across the conterminous United States: A multiscale analysis,Science of the Total Environment,2020, DOI:10.1016/j.scitotenv.2019.135005

Urban expansion simulation and the spatio-temporal changes of ecosystem services, a case study in Atlanta Metropolitan area, USA, Science of the Total Environment, 2018, DOI:10.1016/j.scitotenv.2017.12.062

Analyzing spatio-temporal changes and trade-offs to support the supply of multiple ecosystem services in Beijing, China,Ecological Indicators,2018, DOI:10.1016/j.ecolind.2018.06.049

Comprehensive evaluation of different scale cities' sustainable development for economy, society, and ecological infrastructure in China,Journal of Cleaner Production, 2017,



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Spatiotemporal assessment and trade-offs of multiple ecosystem services based on land use changes in Zengcheng, China, Science of the Total Environment, 2017, DOI: 10.1016/j.scitotenv.2017.07.221

Assessment method and application of urban ecological assets: a case study in Zengcheng Guangzhou City (CN), Acta Ecologica Sinica, 2017, DOI:10.5846/stxb201606221223

Hierarchical analysis of landscape urbanization and its impacts on regional sustainability: A case study of the Yangtze River Economic Belt of China, Journal of Cleaner Production, 2021, DOI:10.1016/j.jclepro.2020.123267

Assessing long-term spatial movement of wheat area across China, Agricultural Systems, 2020, DOI:10.1016/j.agsy.2020.102933

Impact of land use change on multiple ecosystem services in the rapidly urbanizing Kunshan City of China: Past trajectories and future projections, Land Use Policy, 2019, DOI:10.1016/j.landusepol.2019.04.022

Environmental Impacts of China ' s Urbanization from 2000 to 2010 and Management Implications, Environmental Management, 2016, DOI:10.1007/s00267-015-0614-x