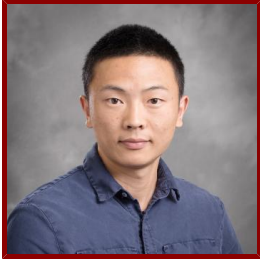


# Stanford

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### Bio

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### HONORS AND AWARDS

- Dissertation Completion Fellowship, Michigan State University (2022)
- William W. and Evelyn M. Taylor Endowed Fellowship, Michigan State University (2021)
- Young Scientists Summer Program (YSSP) Fellowship, International Institute for Applied Systems Analysis (IIASA) (2021)
- KBS LTER Summer Research Fellowship, Kellogg Biological Station LTER (2019)

### STANFORD ADVISORS

- Gretchen Daily, Postdoctoral Faculty Sponsor

### LINKS

- Google Scholar: <https://scholar.google.com/citations?user=uVeP2xAAAAAJ&hl=en>

### Publications

---

### PUBLICATIONS

- **Synthesizing social and environmental sensing to monitor the impact of large-scale infrastructure development** *ENVIRONMENTAL SCIENCE & POLICY*  
Li, Y., Zhang, Y., Tiffany, L., Chen, R., Meng, C., Liu, J.  
2021; 124: 527-540
- **Assessing progress towards sustainable development over space and time (vol 577, pg 74, 2020)** *NATURE*  
Xu, Z., Chau, S. N., Chen, X., Zhang, J., Li, Y., Dietz, T., Wang, J., Winkler, J. A., Fan, F., Huang, B., Li, S., Wu, S., Herzberger, et al  
2021; 592 (7856): E28
- **Impacts of irrigated agriculture on food-energy-water-CO2 nexus across metacoupled systems** *NATURE COMMUNICATIONS*  
Xu, Z., Chen, X., Liu, J., Zhang, Y., Chau, S., Bhattarai, N., Wang, Y., Li, Y., Connor, T., Li, Y.  
2020; 11 (1): 5837
- **Spatially explicit quantification of the interactions among ecosystem services** *LANDSCAPE ECOLOGY*  
Li, Y., Zhang, L., Qiu, J., Yan, J., Wan, L., Wang, P., Hu, N., Cheng, W., Fu, B.  
2017; 32 (6): 1181-1199
- **Mapping the hotspots and coldspots of ecosystem services in conservation priority setting** *JOURNAL OF GEOGRAPHICAL SCIENCES*  
Li Yingjie, Zhang Liwei, Yan Junping, Wang Pengtao, Hu Ningke, Cheng Wei, Fu Bojie  
2017; 27 (6): 681-696

- 
- **Global decadal assessment of life below water and on land.** *iScience*  
Zhang, Y., Li, Y., Liu, J.  
2023; 26 (4): 106420
  - **Total Nitrogen and Total Phosphorus Pollution Reshaped the Relationship Between Water Supply and Demand in the Huaihe River Watershed, China** *CHINESE GEOGRAPHICAL SCIENCE*  
Lu, Y., Liu, L., Qin, F., Wang, J., Liu, J., Li, Y., Wan, L.  
2023
  - **Broader applicability of the metacoupling framework than Tobler's first law of geography for global sustainability: A systematic review** *GEOGRAPHY AND SUSTAINABILITY*  
Manning, N., Li, Y., Liu, J.  
2023; 4 (1): 6-18
  - **Urbanization does not endanger food security: Evidence from China's Loess Plateau.** *The Science of the total environment*  
Li, S., Ji, Q., Liang, W., Fu, B., Lü, Y., Yan, J., Jin, Z., Wang, Z., Li, Y.  
2023: 162053
  - **Mapping 21st Century Global Coastal Land Reclamation** *EARTHS FUTURE*  
Sengupta, D., Choi, Y., Tian, B., Brown, S., Meadows, M., Hackney, C. R., Banerjee, A., Li, Y., Chen, R., Zhou, Y.  
2023; 11 (2)
  - **Exploring the interaction between renewables and energy storage for zero-carbon electricity systems** *ENERGY*  
Li, C., Chen, D., Li, Y., Li, F., Li, R., Wu, Q., Liu, X., Wei, J., He, S., Zhou, B., Allen, S.  
2022; 261
  - **Mapping the rapid development of photovoltaic power stations in northwestern China using remote sensing** *ENERGY REPORTS*  
Xia, Z., Li, Y., Chen, R., Sengupta, D., Guo, X., Xiong, B., Niu, Y.  
2022; 8: 4117-4127
  - **Solar photovoltaic program helps turn deserts green in China: Evidence from satellite monitoring.** *Journal of environmental management*  
Xia, Z., Li, Y., Zhang, W., Chen, R., Guo, S., Zhang, P., Du, P.  
2022; 324: 116338
  - **Ecosystem service assessments across cascade levels: typology and an evidence map** *ECOSYSTEM SERVICES*  
Wang, Z., Fu, B., Zhang, L., Wu, X., Li, Y.  
2022; 57
  - **Unraveling human drivers behind complex interrelationships among sustainable development goals: a demonstration in a flagship protected area** *ECOLOGY AND SOCIETY*  
Yang, H., Dietz, T., Li, Y., Dou, Y., Wang, Y., Huang, Q., Zhang, J., Songer, M., Liu, J.  
2022; 27 (3)
  - **Bundling regions for promoting Sustainable Development Goals** *ENVIRONMENTAL RESEARCH LETTERS*  
Wu, X., Liu, J., Fu, B., Wang, S., Wei, Y., Li, Y.  
2022; 17 (4)
  - **Global impacts of future urban expansion on terrestrial vertebrate diversity** *NATURE COMMUNICATIONS*  
Li, G., Fang, C., Li, Y., Wang, Z., Sun, S., He, S., Qi, W., Bao, C., Ma, H., Fan, Y., Feng, Y., Liu, X.  
2022; 13 (1): 1628
  - **Decoupling of SDGs followed by re-coupling as sustainable development progresses** *NATURE SUSTAINABILITY*  
Wu, X., Fu, B., Wang, S., Song, S., Li, Y., Xu, Z., Wei, Y., Liu, J.  
2022; 5 (5): 452-459
  - **High-resolution mapping of water photovoltaic development in China through satellite imagery** *INTERNATIONAL JOURNAL OF APPLIED EARTH OBSERVATION AND GEOINFORMATION*  
Xia, Z., Li, Y., Guo, X., Chen, R.  
2022; 107

- **Global red and processed meat trade and non-communicable diseases** *BMJ GLOBAL HEALTH*  
Chung, M., Li, Y., Liu, J.  
2021; 6 (11)
- **Integrating ecosystem service supply and demand into ecological risk assessment: a comprehensive framework and case study** *LANDSCAPE ECOLOGY*  
Wang, Z., Zhang, L., Li, X., Li, Y., Fu, B.  
2021; 36 (10): 2977-2995
- **Ecosystem Services under Climate Change Impact Water Infrastructure in a Highly Forested Basin** *WATER*  
Li, X., Zhang, L., J. O'Connor, P., Yan, J., Wang, B., Liu, D., Wang, P., Wang, Z., Wan, L., Li, Y.  
2020; 12 (10)
- **A network perspective for mapping freshwater service flows at the watershed scale** *ECOSYSTEM SERVICES*  
Wang, Z., Zhang, L., Li, X., Li, Y., Frans, V. F., Yan, J.  
2020; 45
- **Impacts of international trade on global sustainable development** *NATURE SUSTAINABILITY*  
Xu, Z., Li, Y., Chau, S. N., Dietz, T., Li, C., Wan, L., Zhang, J., Zhang, L., Li, Y., Chung, M., Liu, J.  
2020; 3 (11): 964-971
- **Assessing progress towards sustainable development over space and time** *NATURE*  
Xu, Z., Chau, S. N., Chen, X., Zhang, J., Li, Y., Dietz, T., Wang, J., Winkler, J. A., Fan, F., Huang, B., Li, S., Wu, S., Herzberger, et al  
2020; 577 (7788): 74+
- **The NPP-Based Composite Indicator for Assessing the Variations of Water Provision Services at the National Scale** *WATER*  
Zheng, H., Zhang, L., Wang, P., Li, Y.  
2019; 11 (8)
- **Interactive national virtual water-energy nexus networks** *SCIENCE OF THE TOTAL ENVIRONMENT*  
Xu, Z., Li, Y., Herzberger, A., Chen, X., Gong, M., Kapsar, K., Hovis, C., Whyte, J., Tang, Y., Li, Y., Liu, J.  
2019; 673: 128-135
- **Evolution of multiple global virtual material flows** *SCIENCE OF THE TOTAL ENVIRONMENT*  
Xu, Z., Chau, S. N., Ruzzenenti, F., Connor, T., Li, Y., Tang, Y., Li, D., Gong, M., Liu, J.  
2019; 658: 659-668
- **Telecoupling Research: The First Five Years** *SUSTAINABILITY*  
Kapsar, K. E., Hovis, C. L., Bicudo da Silva, R., Buchholtz, E. K., Carlson, A. K., Dou, Y., Du, Y., Furumo, P. R., Li, Y., Torres, A., Yang, D., Wan, H., Zaehring, et al  
2019; 11 (4)
- **Toward Rigorous Telecoupling Causal Attribution: A Systematic Review and Typology** *SUSTAINABILITY*  
Carlson, A. K., Zaehring, J. G., Garrett, R. D., Bicudo Silva, R., Furumo, P. R., Raya Rey, A. N., Torres, A., Chung, M., Li, Y., Liu, J.  
2018; 10 (12)
- **Spatio-temporal variations of the flood mitigation service of ecosystem under different climate scenarios in the Upper Reaches of Hanjiang River Basin, China** *JOURNAL OF GEOGRAPHICAL SCIENCES*  
Wang Pengtao, Zhang Liwei, Li Yingjie, Jiao Lei, Wang Hao, Yan Junping, Lu Yihe, Fu Bojie  
2018; 28 (10): 1385-1398
- **A graded index for evaluating precipitation heterogeneity in China** *JOURNAL OF GEOGRAPHICAL SCIENCES*  
Liu Yonglin, Yan Junping, Cen Minyi, Fang Qunsheng, Liu Zhengyao, Li Yingjie  
2016; 26 (6): 673-693