

# Stanford

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## Tong Wu

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### Bio

#### ACADEMIC APPOINTMENTS

- Social Science Research Scholar, Stanford Woods Institute for the Environment

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### Publications

#### PUBLICATIONS

- **Synergies and Trade-Offs Between Energy, Climate, and Biodiversity from Global Fuelwood Consumption.** *Environmental science & technology*  
Yao, Y., Wu, T., Polasky, S., Zhang, X., Cai, Z., Han, B., Ouyang, Z.  
2026
- **Nurturing resilient cities: a systematic literature review of community gardens' contribution to sustainability, 1992-2021** *NPJ URBAN SUSTAINABILITY*  
Cukierman, G., Coenraads, D., Iwarsson, E., Wu, T., Shepon, A.  
2025; 5 (1)
- **Aligning ecosystem service flows with biodiversity in systematic conservation planning** *GLOBAL ECOLOGY AND CONSERVATION*  
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2025; 62
- **Pre-adopting new urban areas to climate change with coastal Nature-based solutions** *ECOLOGICAL INDICATORS*  
Wang, H., Han, B., Wu, T., Leung, F., Ren, Y.  
2025; 177
- **Acute mental health benefits of urban nature** *NATURE CITIES*  
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2025; 2 (8)
- **How landscape structure influences water-related ecosystem service flows** *LANDSCAPE ECOLOGY*  
Lin, X., Zhang, Y., Zou, C., Chen, X., Wu, T., Zhou, W., Ouyang, Z.  
2025; 40 (6)
- **Will climate change inevitably disrupt the cryospheric budget dynamics of the Third Pole?** *ENVIRONMENTAL RESEARCH LETTERS*  
Ying, L., Zheng, H., Huang, X., Wu, T., Ma, J., Wang, Y., Li, R., Yang, Y., Ouyang, Z.  
2025; 20 (4)
- **The positive influence of Tibetan Buddhist monasteries on forest conservation** *HERITAGE SCIENCE*  
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2024; 12 (1)

- **Sustainable land and irrigation management to limit loss of hydropower in the Andes-Amazon headwaters** *COMMUNICATIONS EARTH & ENVIRONMENT*  
Ding, Z., Angarita, H., Caceres, C., Lavado-Casimiro, W., Goldstein, J. A., Batista, N., Wu, T., Fisher, D., Farah, A., Zheng, H., Schmitt, R. J. P.  
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- **Social restrictions mitigate the impacts of city density and connectivity on global COVID-19 outbreaks** *CITIES*  
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2024; 153
- **Drought and warming interaction cause substantial economic losses in the carbon market potential of China's northern grasslands.** *The Science of the total environment*  
Guo, J., Li, T., Wu, T., Wang, Z., Zou, Z., Peng, C., Zhou, X., Li, P., Liu, Z., Tang, J., Zhang, C.  
2024: 176182
- **Wind erosion changes from ecological restoration and climatic drivers on the Tibetan plateau** *ENVIRONMENTAL AND SUSTAINABILITY INDICATORS*  
Lin, X., Wu, T., Kong, L., Ouyang, Z.  
2024; 23
- **Using gross ecosystem product to harmonize biodiversity conservation and economic development in Southwestern China** *PEOPLE AND NATURE*  
Lin, Z., Wu, T., Rao, E., Xiao, Y., Ouyang, Z.  
2024
- **Triple Bottom Line or Trilemma? Global Tradeoffs Between Prosperity, Inequality, and the Environment** *WORLD DEVELOPMENT*  
Wu, T., Rocha, J. C., Berry, K., Chaigneau, T., Hamann, M., Lindkvist, E., Qiu, J., Schill, C., Shepon, A., Crepin, A., Folke, C.  
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- **Reducing air pollution does not necessarily reduce related adults' mortality burden: Variations in 177 countries with different economic levels.** *The Science of the total environment*  
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- **Aligning nature-based solutions with ecosystem services in the urban century** *ECOSYSTEM SERVICES*  
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- **Role of urban vegetation in air phytoremediation: differences between scientific research and environmental management perspectives** *NPJ URBAN SUSTAINABILITY*  
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- **Evaluating the benefits of ecosystem-based urban cooling using a dynamic "on-site" method.** *The Science of the total environment*  
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- **Integrating ecosystem services supply and demand on the Qinghai-Tibetan Plateau using scarcity value assessment** *ECOLOGICAL INDICATORS*  
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- **Air pollution governance in China and India: Comparison and implications** *ENVIRONMENTAL SCIENCE & POLICY*  
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- **An ecosystem service perspective on urban nature, physical activity, and health.** *Proceedings of the National Academy of Sciences of the United States of America*  
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- **The socioeconomic and environmental drivers of the COVID-19 pandemic: A review** *AMBIO*  
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  - **Coordinating ecosystem service trade-offs to achieve win-win outcomes: A review of the approaches** *JOURNAL OF ENVIRONMENTAL SCIENCES*  
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Jia, P., Lakerveld, J., Wu, J., Stein, A., Root, E. D., Sabel, C. E., Vermeulen, R., Remais, J., Chen, X., Brownson, R. C., Amer, S., Xiao, Q., Wang, et al  
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  - **Earth Observation: Investigating Noncommunicable Diseases from Space** *ANNUAL REVIEW OF PUBLIC HEALTH, VOL 40*  
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