

# Xinhao Pan

## EDUCATION

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### University of Groningen

Groningen, Netherlands

Exchange student of Spatial Sciences

09/2022~02/2023

### Beijing Normal University

Beijing, China

Master of Natural Resources

09/2020~07/2023(expect)

### Yanbian University

Yanbian, China

Bachelor of Geographic Information Science (Major)

09/2016~07/2020

Bachelor of Computer Science (Minor)

## PUBLICATIONS

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- **Xinhao Pan**, Zhifeng Liu\*, Chunyang He, Qingxu Huang. 2022. Modeling urban expansion by integrating a convolutional neural network and a recurrent neural network. *International Journal of Applied Earth Observation and Geoinformation*. 112, 102977.  
DOI: <https://doi.org/10.1016/j.jag.2022.102977>
- **Xinhao Pan**, Yihang Wang, Zhifeng Liu\*, Chunyang He, Haimeng Liu, Zhirong Chen. 2021. Understanding urban expansion on the Tibetan Plateau over the past half century based on remote sensing: The case of Xining City, China. *Remote Sensing*. 13, 46.  
DOI: <https://doi.org/10.3390/rs13010046>
- **Xinhao Pan**, Zichen Wang, Miao Huang, Zhifeng Liu\*. 2021. Improving an urban cellular automata model based on auto-calibrated and trend-adjusted neighborhood. *Land*. 10, 688.  
DOI: <https://doi.org/10.3390/land10070688>
- Chunyang He, Zhifeng Liu\*, Jianguo Wu, **Xinhao Pan**, Zihang Fang, Jingwei Li, Brett Bryan. 2021. Future global urban water scarcity and potential solutions. *Nature Communications*. 12, 4667.  
DOI: <https://doi.org/10.1038/s41467-021-25026-3>
- Lingqiang Kong, Zhifeng Liu\*, **Xinhao Pan**, Yihang Wang, Xuan Guo, Jianguo Wu. 2022. How do different types and landscape attributes of urban parks affect visitors' positive emotions? *Landscape and Urban Planning*. 226(9):104482.  
DOI: <https://doi.org/10.1016/j.landurbplan.2022.104482>
- Miao Huang, Zichen Wang, **Xinhao Pan**, Binghua Gong, Mengzhao Tu, Zhifeng Liu\*. Delimiting China's urban growth boundaries under localized shared socioeconomic pathways and various urban expansion modes. *Earth's Future*. 10(6), e2021EF002572.  
DOI: <https://doi.org/10.1029/2021EF002572>
- Yihang Wang, Caifeng Lv, **Xinhao Pan**, Ziwen Liu, Pei Xia, Chunna Zhang, Zhifeng Liu\*. 2022. Spatiotemporal patterns of light pollution on the Tibetan Plateau over three decades. *Remote Sensing*. 14(22), 5755.  
DOI: <https://doi.org/10.3390/rs14225755>
- Yihang Wang, Caifeng Lv, **Xinhao Pan**, Zhifeng Liu\*. 2022. Spatial-temporal changes of urbanization level and influencing factors on the Tibetan Plateau: Perspectives from long-term time series nighttime light data. *Journal of Beijing Normal University (Natural Science)*. (Chinese).  
DOI: <https://doi.org/10.12202/j.0476-0301.2022021>