

Han Wang

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EDUCATION

The University of Hong Kong <i>Ph.D. Candidate</i> Supervisor: Prof. Bin Chen	Sept. 2023 – Present
Peking University <i>M.Sc. in GIS with honors</i> GPA: 3.76 / 4.00 Rank: 1 / 17 Supervisor: Prof. Zhou Huang & Prof. Yu Liu	Sept. 2020 – June 2023
Wuhan University <i>B.Eng. in Remote Sensing with honors</i> GPA: 3.87 / 4.00 Rank: 3 / 262 Supervisor: Prof. Zhipeng Gui	Sept. 2016 – June 2020

SELECTED PUBLICATIONS

Full paper list: <https://scholar.google.com/citations?user=1fKt0HIAAAJ>

Chinas railway photovoltaic potential for sustainable urban-rural energy transition

H. Wang, B. Chen*, J. An, C. Lin, P. Gong
Environmental Research Letters

[10.1088/1748-9326/adff95](https://doi.org/10.1088/1748-9326/adff95)

High-resolution 3D solar potential assessment reveals shading-driven overestimation

H. Wang, B. Chen*, J. An, C. Lin, P. Gong
Landscape and Urban Planning

[10.1016/j.landurbplan.2025.105521](https://doi.org/10.1016/j.landurbplan.2025.105521)

GWRBoost: A geographically weighted gradient boosting framework

H. Wang, Z. Huang*, H. Guo, G. Yin, et al.
Annals of the AAG (In Revision)

[10.48550/arXiv.2212.05814](https://arxiv.org/abs/2212.05814)

DouFu: A Double Fusion Joint Learning Method for Driving Trajectory Representation

H. Wang, Z. Huang*, X. Zhou, G. Yin, Y. Bao
Knowledge-Based Systems

[10.1016/j.knosys.2022.110035](https://doi.org/10.1016/j.knosys.2022.110035)

Quantifying spatially-varying impacts of public transport on NO₂ concentrations with big geo-data

H. Wang, X. Zhou, H. Guo, Q. Dong, Z. Huang*
Environmental Monitoring and Assessment

[10.1007/s10661-023-11289-4](https://doi.org/10.1007/s10661-023-11289-4)

APPOINTMENT

Teaching Assistant , The University of Hong Kong	Sept. 2023 – Present
Student Director , American Association of Geographers GISS-SG	Sept. 2023 – Sept. 2024
Graduate Research Assistant , Peking University	Sept. 2020 – June 2023
Software Developer Intern , ESRI Beijing R&D Center	June 2020 – Aug. 2020

PRESENTATIONS

EGU General Assembly	2025
<i>Substantial overestimation of satellite-derived rooftop solar energy potential in multidimensional urban environments</i>	
 Link	
AAG Annual Meeting	2024
<i>Unearthing the potential of solar energy on railway tracks: Evidence from China</i>	
AAG Annual Meeting , GISS Student Paper Competition	2023
<i>GWRBoost: A geographically weighted gradient boosting model for explainable quantification</i>	
 Recording  Slides	
FOSS4G , Academic Session	2021
<i>GiST Build with Pre-sorting Methods</i>	
 Recording  Slides	

SELECTED AWARDS

Best Paper Award , 18th China Annual Conference on Theory and Methods for GIS	2023
First Place , American Association of Geographers GISS-SG Student Honors Paper Competition	2023