

Hanxiao Wu

✉ Hanxiao.Wu@stonybrook.edu

RESEARCH INTEREST

- Seismology - subsurface imaging
- Geodynamics

EDUCATION

Univ. of Sci. & Tech. of China

B.S in Geophysics

Hefei, China

Sept.,2014-July.,2018

Univ. of Sci. & Tech. of China

M.S in Geophysics

Hefei, China

Sept.,2018-July.,2021

Stony Brook University

Ph.D student in Geoscience

Stony Brook, U.S.

Sept.,2021-present

TEACHING EXPERIENCE

Geophysical inversion theory

TA, School of Earth and Space Science, USTC

Hefei, China

Fall, 2019

Introduction to Geophysics

TA, Department of Geoscience, SBU

Stony Brook, U.S

Fall, 2021

Groundwater Hydrology

TA, Department of Geoscience, SBU

Stony Brook, U.S

Spring, 2022

KEY SKILLS

Programming Language

Python, C, C++, Fortran, Matlab

Research Tool

GMT, SAC, Raysum, Taup

PUBLICATIONS & CONFERENCE ABSTRACTS

- **Hanxiao Wu**, Siyuan Sui, Weisen Shen, *Incorporating H - κ Stacking with Monte Carlo Joint Inversion of Multiple Seismic Observables: A Case Study for the Northwestern US*. Journal of geophysical research: solid earth, in revision
- **Hanxiao Wu**, Weisen Shen *Inferring the depth-dependent V_p/V_s of the crust:*

embedding H - κ stacking into Monte-Carlo joint inversion of multiple data sets, 2022 AGU meeting, U.S.

- Yan Yang, Huajian Yao, **Hanxiao Wu**, Zhang P., Wang M., 2020. *Crustal shear-velocity model in Southwest China from joint seismological inversion and its implications for regional crustal dynamics. Geophys. J. Int., 220, 1379-1393*
- **Hanxiao Wu**, Ping Zhang, Huajian Yao. *Stepwise joint inversion for 1-D crustal V_p/V_s structure using surface wave dispersion, Rayleigh wave ZH ratio, and receiver function data, 2020 AGU Meeting, U.S.*
- **Hanxiao Wu**, Huajian Yao, Shaoqian Hu, *Anisotropic Rayleigh wave amplitude ratio measurement and its application in the azimuthal anisotropy study, 2018 CGU Meeting, Beijing, China*