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EDUCATION & APPOINTMENTS

Postdoctoral scholar 2022-Present
California Institute of Technology

PhD Candidate in Geophysics 2016-2022
Harvard University

Visiting scholar 2015
Chinese University of Hong Kong

MS in Geophysics 2013-2016
University of Science and Technology of China

BS in Geophysics 2008-2013
University of Science and Technology of China

RESEARCH INTERESTS

1. Seismological methods to observe earthquake rupture and ground motions

2. Earthquake Early Warning with Distributed Acoustic Sensing (DAS)

3. Modeling of spatial and temporal evolution of earthquake sources

4. Application of machine learning in seismic data processing and observations.

5. Interactions between seismic structure and dynamic rupture

HONORS AND AWARD

2020 AGU Outstanding Student Presentation Award (OSPA)

2017 AGU Outstanding Student Presentation Award (OSPA)

2016 Chinese Academy of Sciences (CAS) President Award

PEER-REVIEWED JOURNAL PAPERS [Google][RG][ORCID]

9. J. Yin and M. Denolle, "The Earth's surface controls the depth-dependent seismic radiation of megathrust earthquakes", *AGU Advances* **2(3)**, (2021). Editor highlighted.

8. J. Yin, Z. Li and M. Denolle, "Source time function clustering reveals patterns in earthquake dynamics", *Seismological Research Letters* **92(4)**, 2343–2353 (2021).

7. P. Danré, J. Yin, B. Lipovsky and M. Denolle, "Earthquakes within earthquakes: Patterns in rupture complexity", *Geophysical Research Letters* **46(13)**, 7352-7360 (2019).

6. J. Yin and M. Denolle, "Relating teleseismic backprojection images to earthquake kinematics", *Geophysical Journal International* **217(2)**, 729-747 (2019).

5. J. Yin, M. Denolle and H. Yao, "Spatial and Temporal Evolution of Earthquake Dynamics: Case Study of the Mw 8.3 Illapel Earthquake, Chile", *Journal of Geophysical Research: Solid Earth* **123(1)**, 344-367 (2018).

4. J. Yin, H. Yao, H. Yang, J. Liu, W. Qin and H. Zhang, "Frequency-dependent rupture process, stress change, and seismogenic mechanism of the 25 April 2015 Nepal Gorkha Mw 7.8 earthquake", *SCIENCE CHINA Earth Sciences* **60(4)**, 796-808 (2017).

3. J. Yin, H. Yang and H. Yao, "Coseismic radiation and stress drop during the 2015 Mw 8.3 Illapel, Chile megathrust earthquake", *Geophysical Research Letters* **43(4)**, 1520-1528 (2016).

2. J. Yin and H. Yao, "Rupture and frequency-dependent seismic radiation of the 2012 Mw 8.6 Sumatra strike-slip earthquake", *Geophysical Journal International* **205(3)**, 1682-1693 (2016).

1. H. Yang, J. Lin, J. Yin and H. Yao, "Tectonic settings of the 2015 M w 8.3 Coquimbo, Chile earthquake and its implications on megathrust earthquakes", *Chinese Science Bulletin* **60(36)**, 3549-3556 (2015).

SYNERGISTIC ACTIVITIES

Referee activities in GRL (Geophysical Research Letter), JGR (Journal of Geophysical Research: Solid Earth), GJI (Geophysical Journal International), SRL (Seismological Research Letters Search), BSSA (Bulletin of the Seismological Society of America), Arabian Journal of Geosciences.

TEACHING ACTIVITIES

2021 Teaching assistant in Harvard EPS55 (undergraduate level): Earthquakes and Tectonics

2020 Assistant in course development for Harvard EPS55 (undergraduate level): Earthquakes and Tectonics

2019 Teaching assistant in Harvard EPS52 (undergraduate level): Introduction to Global Geophysics

2015 Teaching assistant in USTC (graduate level): Inversion Theory