

# Jiuxun Yin 尹九洵

20 Oxford St., GeoMuseum 200B

Cambridge, US, MA02138

+1 (617) 229-9212

*jiuxun.yin AT g DOT harvard DOT edu*

Primary site: <https://yinjiuxun.github.io>

<https://scholar.harvard.edu/yinjiuxun/>

## EDUCATION

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**PhD Candidate in Geophysics**

2016-

*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

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1. Seismological methods to observe earthquake rupture and ground motions
2. Modeling of spatial and temporal evolution of earthquake sources
3. Application of machine learning in seismic data processing and observations.
4. Interactions between seismic structure and dynamic rupture

## HONORS AND AWARD

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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 [\[Google\]](#)[\[RG\]](#)[\[ORCID\]](#)

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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

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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

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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