

Jiuxun Yin 尹九洵

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OVERVIEW

Jiuxun Yin is an earthquake scientist, whose passions include observational seismology, earthquake rupture processes and heterogeneity of earthquake sources. The goal of his research is to quantitatively bridge the gap between source observations and rupture dynamics, and finally improve our understandings on the seismic hazards as well as complexity of earthquake rupture.

RESEARCH INTERESTS

1. Seismological methods to observe earthquake rupture and ground motions
2. Modeling of spatial and temporal evolution of earthquake sources
3. Stochastic simulation and analysis on earthquake populations
4. Interactions between seismic structure and dynamic rupture

EDUCATION

PhD Candidate in Geophysics
Harvard University

2016-

Visiting scholar
Chinese University of Hong Kong

2015

MS in Geophysics
University of Science and Technology of China

2013-2016

BS in Geophysics
University of Science and Technology of China

2008-2013

TEACHING ACTIVITIES

2019 Teaching assistant in Harvard EPS52: Introduction to Global Geophysics

PEER-REVIEWED JOURNAL PAPERS [\[Google\]](#)[\[RG\]](#)[\[ORCID\]](#)

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).

HONORS AND AWARD

2017 AGU Outstanding Student Presentation Award (OSPA)

2016 Chinese Academy of Sciences (CAS) President Award

SYNERGISTIC ACTIVITIES

Referee activities in *Geophysical Journal International*, *Geophysical Research Letter*, *Arabian Journal of Geosciences*.

SELECTED SEMINARS AND COLLOQUIA

11. Eugene, OR (US), Poster presentation at *Megathrust Modeling Workshop*, 6-9, Oct., 2019
10. Bratislava (Slovakia), Oral presentation at *Numerical Modeling of Earthquake Motions: Waves and Ruptures*, June 30 - July 4, 2019
9. Santa Fe, NM (US), Poster presentation at *2nd Machine Learning in Solid Earth Geoscience workshop*, March 18-22, 2019
8. Washington D.C. (US), **Invited presentations for AGU Outstanding Student Presentation Award (OSPA)** at *American Geophysical Union fall meeting*, 10-14 Dec., 2018
7. Pasadena, CA (US), Poster presentation at *modeling earthquake source processes workshop*, 8-10 Oct., 2018

6. Palm Springs, CA (US), Poster presentation at *2018 Southern California Earthquake Center (SCEC) annual meeting*, 9-12 Sep., 2018
5. Miami, FL (US), Poster presentation at *Seismological Society of America 2018 Annual meeting*, 2018
4. New Orleans, LA (US), Poster presentation at *American Geophysical Union fall meeting*, 2017
3. Rhodes (Greece), Oral presentation at *14th International Conference on Fracture*, 2017
2. Lamont-Doherty Earth Observatory, NY (US), Poster presentation at *Seismology Student Workshop*, 2017
1. San Francisco, CA (US), Poster presentation at *American Geophysical Union fall meeting*, 2016