

# Jiuxun Yin 尹九洵

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<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. Stochastic simulation and analysis on earthquake populations
4. Interactions between seismic structure and dynamic rupture

## HONORS AND AWARD

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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, “Dynamics of trench rupturing megathrust earthquakes: 1. Seismic structure effects from accretionary-wedge and subducting oceanic crust”, *in prep for Journal of Geophysical Research: Solid Earth* , (-).
8. J. Yin, Z. Li and M. Denolle, “Source time function clustering reveals patterns in earthquake dynamics”, *submitted to AGU Advances* , (2020).
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 Mw 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 *Geophysical Journal International*, *Geophysical Research Letter*, *Arabian Journal of Geosciences*.

## TEACHING ACTIVITIES

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2019 Teaching assistant in Harvard EPS52 (undergraduate level): Introduction to Global Geophysics  
2015 Teaching assistant in USTC (graduate level): Inversion Theory

## SELECTED SEMINARS AND COLLOQUIA

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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