

QIANG YAO

Master Candidate

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Education

- Sept. 2018, M.S. Candidate in China University of Geosciences (Wuhan), China
- May - Aug. 2018, Internship student in University of Tokyo, Japan
- 2011-2014, B.S. in China University of Geosciences (Wuhan), China

Research Interests

- Magnitudes of damaging earthquakes
- Source process of large earthquakes
- Seismic real-time warning system
- Back-projection method

Awards & Honors

- ✓ 2019, First Prize of the Reports Scientific Paper in China University of Geosciences (Wuhan)
- ✓ 2018, Excellent Graduation Thesis at China University of Geosciences (Wuhan) [top 5%]
- ✓ 2017, Scholarship of Sinopec Zhongyuan oilfield and Title of Outstanding Student Cadres
- ✓ 2015, the National Inspirational scholarship and Title of Outstanding Student Model

Publications

- ◆ **Yao, Q.**, D. Wang, L. Fang & J. Mori (2019.) Rapid estimation of magnitudes of large damaging earthquakes in and around Japan using dense seismic stations in China, *Bulletin of the Seismological Society of America* (2019) 109 (6): 2545–2555, <https://doi.org/10.1785/0120190107>.
- ◆ Song, C., **Yao, Q.** & Wang, D (2019). Magnitude of the 23 January 2018 *M*7.9 Alaska Earthquake Estimated from Local Dense Seismic Records in Alaska, *J. Earth Sci.* 30, 1005-1009.

Posters & talks

- ✧ Yao, Q. & Wang, D. Preliminary study on decreasing of maximum displacement of P waves, Chinese Geoscience Union (CGU), Beijing, China, 2019. [invited]
- ✧ Yao, Q. Rapid estimation of magnitudes of large damaging earthquakes in and around Japan using dense seismic stations in China, Geophysical Frontier Meeting, University of Science and Technology of China, Hefei, China, 2019.
- ✧ Yao, Q. Determining Magnitude of Large Earthquake in Japan using Seismic Stations in China, Japan Geosciences Union Meeting (JpGU), Tokyo, Japan, 2018.

Experiences & Skills

- Training: SeisComP3 training by the Instrumental Software Technologies, Inc, New York, 2019.
- Seismological tools: SeisComP3, GMT, SAC, TauP
- Programming: Shell, Fortran, Python, C, C++
- Geology Field in (1) Qinhuang Island (2015), (2) The Kunlun Mountains (2016), (3) Zhoukoudian, Beijing (2016) and (4) Three Gorges (2016).
- Geophysics Field in (1) Shen Zhen (2017), (2) Tibet (2017) and (3) Ying Cheng (2019).