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研究領域：地震學、地球物理學

〔學歷〕

- 2007/08 : 紐約州石溪大學 地球科學系 博士
- 2004/05 : 紐約州石溪大學 地球科學系 碩士
- 1998/06 : 國立中央大學 地球科學系 學士

〔經歷〕

- 2018/03/26 – : 中央研究院 地球科學研究所 副研究員
- 2010/01 – 2018/03/25 : 中央研究院 地球科學研究所 助研究員
- 2007/10 – 2009/12 : 華盛頓卡內基研究院 地磁系 博士後研究
- 2001/09 – 2007/09 : 紐約州立石溪大學 研究和教學助理

〔學會/榮譽〕

- 中國地球物理學會
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〔著作〕

1. **Yu, W.**, J.-T. Lin, J. Su, T.-R. A. Song, and C.-C. Kang (2020), S-coda and Rayleigh waves from a decade of repeating earthquakes reveal discordant temporal velocity changes since the 2004 Sumatra Earthquake, *J. Geophys. Res. Solid Earth*, doi:10.1029/2020JB019794
2. **Yu, W.**, J. Su, T.R.A. Song, H.H. Huang, L. Mozziconacci, and B.S. Huang (2017), The inner core hemispheric boundary near 180°W, *Phys. Earth Planet. Inter.*, 272, 1–16, doi:10.1016/j.pepi.2017.09.002.

3. **Yu, W.**, Detectability of temporal changes in fine structures near the inner core boundary beneath the eastern hemisphere, *Geophys. Res. Lett.*, 43, doi:10.1002/2016GL069664, 2016.
4. **Yu, W.**, Time-dependent inner core structures examined using repeating earthquakes in subduction zones of the southwest Pacific, *Geophys. J. Int.*, 204, 1204-1215, doi:10.1093/gji/ggv508, 2016.
5. **Yu, W.**, T.R.A. Song, and P.G. Silver, Temporal velocity changes in the crust associated with the great Sumatra earthquakes, *Bull. Seismol. Soc. Am.*, 103 (5), 2797-2809, doi:10.1785/0120120354, 2013.
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7. **Yu, W.**, Shallow-focus repeating earthquakes in the Tonga-Kermadec-Vanuatu subduction zones, *Bull. Seismol. Soc. Am.*, 103 (1), 463–486, doi:10.1785/0120120123, 2013.
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9. **Yu, W.**, and L. Wen, Complex seismic anisotropy in the top of the Earth's inner core beneath Africa, *J. Geophys. Res.*, 112, B08304, doi:10.1029/2006JB004868, 2007.
10. **Yu, W.**, and L. Wen, Inner core attenuation anisotropy, *Earth Planet. Sci. Lett.*, 245, 581–594, doi:10.1016/j.epsl.2006.03.043, 2006.
11. **Yu, W.**, and L. Wen, Seismic velocity and attenuation structures in the top 400 km of the Earth's inner core along equatorial paths, *J. Geophys. Res.*, 111, B07308, doi:10.1029/2005JB003995, 2006.
12. **Yu, W.**, L. Wen, and F. Niu, Seismic velocity structure in the Earth's outer core, *J. Geophys. Res.*, 110, B02302, doi:10.1029/2003JB002928, 2005.

[Conferences Abstract since 2014]

- **Yu, W.**, T.R.A. Song, and J.T. Lin, Re-damage of the near-surface structures induced by the 2007 Mentawai great earthquake doublet, American Geophysical Union Fall Meeting, San Francisco, CA, USA, December 2016.
- **Yu, W.**, Time-dependent inner core structures examined using repeating earthquakes in subduction zones of the southwest Pacific, Taiwan Geosciences Assembly, Taipei, Taiwan, May 2016.
- **Yu, W.**, Detectability of temporal changes in fine structures near the inner core boundary beneath the eastern hemisphere, European Geosciences Union General Assembly, Vienna, Austria, April 2016.

- **Yu. W.**, Time-dependent inner core structures examined by repeating earthquakes in the Southwest Pacific subduction zones, American Geophysical Union Fall Meeting, San Francisco, CA, USA, December 2014.
- **Yu. W.**, and T.R.A. Song, Repeating earthquakes, fault slip, and recurrence time interval: Comparative studies in the Tonga–Kermadec–Vanuatu and Sumatra Subduction Zones, Taiwan–France Symposium in Earth Sciences, Hualien, Taiwan, November 2014.

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