

# Yujing Wu | Curriculum Vitae

77 Avenue Denfert-Rochereau, 75014 Paris, France  
E-mail: Yujing.Wu@obspm.fr Tel: (+33) 7 75 72 33 22

## Academic Positions

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- **Postdoctoral Researcher**  
IMCCE, CNRS, Observatoire de Paris, PSL Université, Sorbonne Université, Paris, France, Mar 2024 – present

## Education

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- **Doctor of Philosophy**  
School of Earth and Space Sciences, Peking University, Beijing, China, Sept 2019 – Jan 2024  
**Major:** Structural Geology **GPA:** 3.70/4.00
- **Visiting Scholar**  
Lamont-Doherty Earth Observatory, Columbia University, New York, USA, May 2022 – Sept 2023  
**Major:** Cyclostratigraphy
- **Bachelor of Economics**  
National School of Development, Peking University, Beijing, China, Sept 2016 – Jul 2019  
**Major:** Economics **GPA:** 3.64/4.00
- **Bachelor of Science**  
School of Earth and Space Sciences, Peking University, Beijing, China, Sept 2015 – Jul 2019  
**Major:** Geochemistry **GPA:** 3.69/4.00

## Skills

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- **Data Processing Skills:** Database management, Bayesian statistics, time series analysis.
- **Programming Languages:** Python, MATLAB, R, SQL, Shell, TRIP.
- **Languages:** Chinese (native), English, French.

## Publication of Papers

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1. Fang, X., **Wu, Y.**, Liao, S., Xue, L., Chen, Z., Song, B., Zhang, L., & Ji, J. (2018). Preliminary analysis of the Chinese sub-database of the Chinese crust single-grain zircon U-Pb geochronology database. *Acta Petrologica Sinica*, 34(11), 3253-3265 (in Chinese with English abstract). <https://html.rhhz.net/ysxb/20181111.htm>
2. **Wu, Y.**, Fang, X., Liao, S., Xue, L., Chen, Z., Yang, J., Lu, Y., Ling, K., Hu, S., Kong, S., Xiong, Y., Li, H., Shang, X., Ji, R., Lu, X., Song, B., Zhang, L., & Ji, J. (2019). Zircon U-Pb geochronology of the Chinese continental crust: a preliminary analysis of the Elsevier science database. *Big earth data*, 3(1), 26-44. <https://doi.org/10.1080/20964471.2019.1576261>
3. **Wu, Y.**, Fang, X., Liao, S., Xue, L., Chen, Z., Yang, J., Lu, Y., Ling, K., Hu, S., Kong, S., Xiong, Y., Li, H., Shang, X., Ji, R., Lu, X., Song, B., Zhang, L., & Ji, J. (2020). Crustal evolution events in the Chinese continent: evidence from a zircon U-Pb database. *International journal of digital earth*, 13(12), 1532-1552. <https://doi.org/10.1080/17538947.2020.1739152>
4. Fang, X., **Wu, Y.**, Liao, S., Xue, L., Chen, Z., Yang, J., Lu, Y., Ling, K., Hu, S., Kong, S., Xiong, Y., Li, H., Shang, X., Ji, R., Lu, X., Song, B., Zhang, L., & Ji, J. (2020). Division of crustal units in China using grid-based clustering and a zircon U-Pb geochronology database. *Computers & geosciences*, 145, 104570. <https://doi.org/10.1016/j.cageo.2020.104570>
5. **Wu, Y.**, Fang, X., Jiang, L., Song, B., Han, B., Li, M., & Ji, J. (2022). Very long-term periodicity of episodic zircon production and Earth system evolution. *Earth-science reviews*, 104164. <https://doi.org/10.1016/j.earscirev.2022.104164>
6. **Wu, Y.**, Fang, X., & Ji, J., (2023). A global zircon U-Th-Pb geochronological database. *Earth System Science Data*, 15(11), 5171-5181. <https://doi.org/10.5194/essd-15-5171-2023>
7. Wang, M., Li, M., Hajek, E. A., Kemp, D. B., **Wu, Y.**, Zhu, H., Huang, C., Zhang, H., Ji, K., Zhang, R., Wei, R., & Jin, Z. (2024). Assessing the preservation of orbital signals across different sedimentary environments: Insights from stochastic sedimentation modeling. *Earth and planetary science letters*, 642, 118866. <https://doi.org/https://doi.org/10.1016/j.epsl.2024.118866>
8. **Wu, Y.**, Malinverno, A., Meyers, S. R., & Hinnov, L. A. (2024). A 650-Myr history of Earth's axial precession frequency and the evolution of the Earth-Moon system derived from cyclostratigraphy. *Science advances*, 10(42), eado2412. <https://doi.org/doi:10.1126/sciadv.ado2412>

## Publication of Database

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**Wu, Y.**, Fang, X., & Ji, J. (2023). Global zircon U-Th-Pb geochronology database (Version 2.1) [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.7387566>.

## Conference Presentations

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1. **Wu, Y.**, Fang, X., Liao, S., et al., (2018), Great events of Chinese continental evolution: implications from zircon U-Pb geochronology database, AGU Fall Meeting 2018, Washington DC, USA, Dec 10 – 14.
2. Fang, X., **Wu, Y.**, Liao, S., et al., (2019). Preliminary analysis of the Chinese sublibrary of the Chinese crust single-grain zircon U-Pb geochronology database, Second Young Academic Forum on Structural Geology and Geodynamics, Nanjing, China, Mar 29 – Apr 3.
3. **Wu, Y.**, Fang, X., Liao, S., et al., (2019), Zircon U-Pb geochronology of the Chinese continental crust: a preliminary analysis of the Elsevier science database, Second Young Academic Forum on Structural Geology and Geodynamics, Nanjing, China, Mar 29 – Apr 3.
4. Fang, X., **Wu, Y.**, and Ji, J., (2020), Division of crustal units in China using grid-based clustering and a zircon U-Pb geochronology database, Third Young Academic Forum on Structural Geology and Geodynamics, Hangzhou, China, Sept 4 – 8.
5. **Wu, Y.**, Fang, X., Jiang, L., et al., (2022). Very long-term periodicity of episodic zircon production and Earth system evolution, AGU Fall Meeting 2022, Chicago IL, USA, Dec 12 – 16.
6. **Wu, Y.**, Fang, X., Jiang, L., et al., (2023). Implications of zircon Th/U for global continental crustal evolution and geodynamics, EGU General Assembly 2023, Vienna, Austria, Apr 24 – 28.
7. **Wu, Y.**, Malinverno, A., Meyers, S. R., Hinnov, L. A. (2023). Earth's axial precession frequency, length of day, lunar distance, and insolation periodicities over the past 650 Myr from cyclostratigraphy, AGU Fall Meeting 2023, San Francisco CA, USA, Dec 11 – 15.