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Postdoctoral Fellow

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## EDUCATION

2013/08-2022/01

Ph.D., Department of Geosciences, National Taiwan University, Taiwan

2005/08-2008/07

M.S., Department of Geography, National Taiwan University, Taiwan

2001/08-2005/07

B.Sc., Department of Geography, National Kaohsiung Normal University, Taiwan

## RESEARCH INTERESTS

- Unraveling thermal history and protolith characteristics of the metamorphic belt using multi-mineral geochronology.
- Whole-rock geochemical and isotopic constraints on magmatic evolution.

## PROFESSIONAL SKILLS

- Petrographic observation
  - Optical microscope
  - Scanning electron microscope (SEM)
- *In-situ* dating analyses
  - U-Pb zircon and monazite geochronology using Laser Ablation-Inductively Coupled Plasma Mass Spectrometry (LA-ICPMS) and Nano-scale Secondary Ion Mass Spectrometry (NanoSIMS). (Work with Institute of Earth Sciences, Academia Sinica and Atmosphere and Ocean Research Institute, University of Tokyo)
  - CHIME (Chemical U-Th Total Pb Isochron Method) monazite dating by Electronic Microprobe (EMP). (Work with Institute for Space-Earth Environmental Research, Nagoya University)

## PUBLICATIONS

### Journal articles

Lin, J.-W., Lee, C.-Y., Chen, C.-H., Takenori, K., Sano, Y., Takahata, N., 2021. Buchan type metamorphism in the Pingtan-Dongshan metamorphic belt, SE China: Evidence from combined EMP monazite and U-Pb zircon ages of mica schists. *Journal of Asian Earth Sciences* 218, 104891. ([doi.org/10.1016/j.jseaes.2021.104891](https://doi.org/10.1016/j.jseaes.2021.104891))

- Lin, J.-W.**, Lee, C.-Y., Chen, C.-H., Sano, Y., Takahata, N., Chung, S.-L., 2020. Exotic origin of Pingtan Island in the Pingtan-Dongshan Metamorphic Belt (SE China): zircon U-Pb age and Hf isotope evidence. *Lithos* 374-375, 105701. (doi.org/10.1016/j.lithos.2020.105701)
- Chen, C.-H., Lee, C.-Y., Tien, J.-L., Xiang, H., Walia, M., **Lin, J.-W.**, 2020. Post-orogenic thermal reset of the Pingtan-Dongshan metamorphic belt (SE China): Insights from zircon fission track and U-Pb double dating. *Journal of Asian Earth Sciences* 201, 104512. (doi.org/10.1016/j.jseaes.2020.104512)
- Chen, C.-H., Lee, C.-Y., **Lin, J.-W.**, Chu, M.-F., 2019. Provenance of sediments in western Foothills and Hsuehshan Range (Taiwan): A new view based on EMP monazite versus LA-ICPMS zircon geochronology of detrital grains. *Earth Science Reviews* 190, 224-246. (doi.org/10.1016/j.earscirev.2018.12.015)

### **Treatise**

- Lee, C.-Y., **Lin, J.-W.**, Yeh, A.-C., Chen, C.-H., 2015. Geological map of Taiwan, Matsu sheet, scale 1:25000. Central Geological Survey, MOEA, Taipei (in Chinese with English summary).