

Curriculum Vitae

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Education

- 2007-2011 B.Sc. in Applied Chemistry, National Chiayi University, Taiwan.
- 2011-2014 Master in Hydrological and Oceanic Sciences, National Central University, Taiwan.
- 2015-2022 PhD in Earth System Sciences Program, Taiwan International Graduate Program of National Central University and Academia Sinica.

Research Interests

- Isotope Geochemistry & Environmental Chemistry.
- Environmental Forensics.

Publications

Wu, P.-C. and Huang, K.-F. Tracing metal sources in highly polluted rivers in Taiwan by using Sr-Pb isotope ratios (in preparation).

Referred publications

Wu, P.-C. and Huang, K.-F. (2021). Tracing local sources and long-range transport of PM₁₀ in central Taiwan by using chemical characteristics and Pb isotope ratios. *Sci. Rep.* **11**, 7593.

Wu, P.-C., Gong, G.-C., Cheng, J.-S., Liu, K.-K. and Kao, S.-J. (2016). Origins of Particulate Organic Matter Determined from Nitrogen Isotopic Composition and C/N Ratio in the Highly Eutrophic Danshuei Estuary, Northern Taiwan. *Aquatic Geochemistry*, **22**(4), 291-311.

Wu, P.-C. and Su, M.-D. (2011). Theoretical Designs for Germaacetylene (RC≡GeR'): A New Target for Synthesis. *Dalton. Trans.*, **40**, 4253.

Wu, P.-C. and Su, M.-D. (2011). A New Target for Synthesis of Triply Bonded Plumbacetylene (RC≡PbR). A Theoretical Design. *Organometallics* **30**, 3293.

Wu, P.-C. and Su, M.-D. (2011). Triply Bonded Stannaacetylene (RC≡SnR): Theoretical Designs and Characterization. *Inorg. Chem.* **50**, 6814.

Theses

Wu, P.-C. (2022). Applications of Sr-Nd-Pb isotopes for tracing sources and transport processes in atmospheric and aquatic environments. National Central University, PhD dissertation, advised by Dr. K.-F. Huang and Dr. I.-F. Pun.

Wu, P.-C. (2014). Suspended Particulate Matter in the estuarine and coastal environments: origin of organic matter determined from isotopic composition and gravimetric determination of suspended solid. National Central University, M.S. thesis, advised by Prof. K.-K. Liu. (in Chinese)

Conference presentations

Wu, P.-C., Huang, K.F., Hsu, C.-F. & Wang, D.-W. (2022). Tracing sources and transport of metals in highly polluted rivers using chemical characteristics and Sr-Pb isotope ratios. Annual Congress of Chinese Environmental Analytical Society.

Wu, P.C., Huang, K.-F., Liang, Y.-H., Hsu, C.-F., Wang, D.-W. & Lee, D.-C. (2021). Tracing sources and transport of metals in highly polluted rivers with Sr-Pb-Fe isotope ratios. Annual Congress of Chinese Environmental Analytical Society.

Wu, P.-C., Huang, K.F., Hsu, C.-F., Chen, M.-N., & Liang, M.-C. (2020). Source apportionment of PM₁₀ in the urban-rural fringe area of central Taiwan using chemical properties and Sr-Nd-Pb isotope ratios. Goldschmidt conference, USA.

Wu, P.-C., Huang, K.F., Hsu, C.-F. & Wang, D.-W. (2020). Tracing sources of metal pollutions in river catchments of Taiwan using Sr-Pb isotopes. Geoscience Conference, Taiwan.

Wu, P.-C., Liang, M.-C. & Huang, K.F. (2019). The origin of airborne particles in an urban environment of Taiwan, inferred from their chemical and isotopic (Sr-Nd-Pb) properties. Annual Congress of Chinese Environmental Analytical Society.

Wu, P.-C., Huang, K.F. & Liang, M.C. (2019). Chemical and isotopic (Sr-Nd-Pb) properties and origin of airborne particles in urban environments of Taiwan. Geoscience Conference, Taiwan.

Wu, P.-C., Huang, K.F. & Lee, D.-C. (2018). Tracing sources of industrial waste and anthropogenic pollution using Sr, Nd and Pb isotopes. Goldschmidt conference, USA.