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研究興趣：海洋化學、同位素地球化學、鈾系  
不平衡、火山及熱液系統

Research interest: Marine Chemistry, Isotope  
Geochemistry, Uranium-series disequilibria,  
Volcanology and geothermal research

### [學歷] [Education]

2006-2013 **Ph.D.**, Department of Earth Sciences, National Cheng Kung University, Taiwan

國立成功大學地球科學系博士

1997-2000 **M.S.**, Institute of Oceanography, National Taiwan University, Taiwan

國立台灣大學海洋研究所碩士

1993-1997 **B.S.**, Department of Oceanography, National Taiwan Ocean University, Taiwan

國立台灣海洋大學海洋科學系學士

### [經歷] [Experience]

2014.08 – 2017.12: Post Doctoral Fellow, Institute of Oceanography, National Taiwan University, Taiwan

國立台灣大學海洋研究所博士後研究

2014.04 – 2014.07: Post Doctoral Fellow, Department of Geosciences, National Taiwan University, Taiwan

國立台灣大學地質科學系博士後研究

2013.10 – 2014.03: Post Doctoral Fellow, Institute of Oceanography, National Taiwan University, Taiwan

國立台灣大學海洋研究所博士後研究

2004.09 – 2006.09: Research Assistant, Department of Earth Sciences, National Cheng Kung University,  
Taiwan

國立成功大學地球科學系研究助理

### [著作] [Publications]

#### 期刊論文 Journals

1. **Wu, S.F.**, You, C.F., Lin, Y.P., Valsami-Jones, E., Baltatzis, E. (2016). New Boron Isotopic Evidence for

Sedimentary and Magmatic Fluid Influence in the Shallow Hydrothermal Vent System of Milos Island (Aegean Sea, Greece). *Journal of Volcanology and Geothermal Research* 310, 58-71.

2. **Wu, S. F.**, You, C. F., Valsami-Jones, E., Baltatzis, E., Shen, M. L. (2012) Br/Cl and I/Cl systematics in the shallow-water hydrothermal system at Milos Island, Hellenic Arc. *Marine Chemistry* 140-141, 33-43. doi:10.1016/j.marchem.2012.07.004.
3. **Wu, S. F.**, You, C. F., Wang, B. S., Valsami-Jones, E., Baltatzis, E. (2011) Two-cells phase separation in shallow submarine hydrothermal system at Milos Island, Greece: Boron isotopic evidence. *Geophysical Research Letters* 38, doi:10.1029/2011GL047409.
4. Wang, B. S., You, C. F., Huang, K. F., **Wu, S. F.**, Aggarwal, S. K., Chung, C. H., Lin, P. Y. (2010). Direct separation of boron from Na- and Ca-rich matrices by sublimation for stable isotope measurement by MC-ICP-MS. *Talanta* 82, 1378-1384.

### 研討會論文 Conference papers

1. 吳炫賦, 蘇志杰, 朱美妃, 林殷田, 吳仲, 李紅春, 魏正岳 (2017年05月)。南沖繩海槽海底熱液系統之微量金屬、稀土元素地球化學特徵及分佈 (Geochemical characteristics and distribution of trace metals and rare earth elements in a hydrothermal system, southern Okinawa Trough)。中華民國地球物理學會與中華民國地質學會 106 年年會暨學術研討會，台南成功大學。
2. **Wu, S.F.**, You, C.F., Lin, Y. P., Valsami-Jones, E. and Baltatzis, E. (2014) Magmatic water contribution in Milos submarine hydrothermal fluids: New boron isotopic evidence. International conference on 12<sup>th</sup> Gas in Marine Sediment (GIMS12), Taipei, Taiwan, GIMS12A070.
3. Lou, U.L., You, C.F., **Wu, S.F.**, Chung, C.H. (2014) Lithium isotope as a proxy for water/rock interaction between hydrothermal fluids and oceanic crust at Milos, Greece. European Geosciences Union (EGU) General Assembly 2014.
4. **Wu, S.F.**, You, C.F., Valsami-Jones, E. and Baltatzis, E. (2011) Insights from Halogen Distribution in Shallow-Water Hydrothermal System: Effects of Phase Separation and Sedimentary Contributions. AOGS Meeting, Taipei, Taiwan, OS18-A026.
5. Hirao, S., Oono, T., Ishibashi, J., You, C.F., **Wu, S.F.**, Wang, B.S., Yamanaka, T. (2010) Boron isotope geochemistry to reveal evolutionary process of the Wakamiko submarine hydrothermal systems, south Kyushu, Japan. AGU Fall Meeting.
6. **Wu, S.F.**, You, C.F., Cai, W.J. and Huang, W.J. (2008) Identification of saline fluids in the northern Gulf of Mexico: Sr and B isotopic evidences. AGU Fall Meeting, San Francisco, OS21C-1195.
7. **Wu, S.F.**, You, C.F., Cai, W.J. and Huang, W.J. (2008) Chemical effect of fresh water and brine fluid inputs in the northern Gulf of Mexico. Annual Geological Science Meeting, Tainan, A141-485.
8. **Wu, S.F.** and You, C.F. (2007) Dynamic Cycling of Barium in Marine Sediments: A Case Study from a Gas Hydrate Potential Region Offshore Southwestern Taiwan. AGU Fall Meeting, San Francisco,

OS23A-1039.

9. **Wu, S.F.**, You, C.F., Valsami-Jones, E. and Baltatzis, E. (2007) Distributions of halogen (Br, Cl, I) and boron isotope in submarine hydrothermal fluids from Milos island (Greece). Taiwan Geosciences Assembly (TGA), Taoyuan, PP-639.