



## 史旻弘 博士後研究

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研究領域：地震學

**Research interests: seismology**

### Education

Ph.D., Department of Earth Sciences, National Central University, Taiwan, 2014.

M.S., Department of Earth Sciences, National Central University, Taiwan, 2001.

B.S., Department of Earth Sciences, National Central University, Taiwan, 1999.

### Publications

1. Hsien, H. H., H. Y. Yen, and M. H. Shih, Moho Depth Derived from Gravity Data in the Taiwan Strait Area, *Terr. Atmos. Ocean. Sci.*, Vol. 21, No. 2, 235-241, doi: 10.3319/TAI.2009.03.05.01(T), April 2010. (SCI)
2. Huang, B. S., M. H. Shih, Y. C. Lai, K. C. Chen, W. G. Huang, and C. C. Liu, Observations of Earthquake-Generated T-Waves in the South China Sea: Possible Applications for Regional Seismic Monitoring, *Terr. Atmos. Ocean. Sci.*, Vol. 24, No.1, 19-29, doi:10.3319/TAO.2012.10.09.01(T), February 2013. (SCI)
3. M. H. Shih, B. S. Huang, L. Zhu, H. Y. Yen, T. M. Chang, W. G. Huang and C. Y. Wang, Fault Orientation Determination for the 4 March 2008 Taoyuan Earthquake from Dense Near-Source Seismic Observations, *Terr. Atmos. Ocean. Sci.* Vol. 25, No.5, 637-645, doi: 10.3319/TAO.2014.05.19.01(T) , October 2014. (SCI)
4. Pu, H.C., C.H. Lin, L.C. Chang, C.W. Kan, C.M. Lin, M.H., Y.H. Li, Y.C. Lai and M.H. Shih, (2017), Geological implications of the 0212 earthquake in 2014 at the Tatun volcano group of Taiwan: Synergistic effect of volcanic and faulting activities, *JOURNAL OF ASIAN EARTH SCIENCES*, vol. 149, 93-102.
5. Lin, C. H., Y. C. Lai, M. H. Shih, H. C. Pu, and S. J. Lee, (2018), Seismic Detection of a Magma Reservoir beneath Turtle Island of Taiwan by S-Wave Shadows and Reflections, *SCIENTIFIC REPORTS*, 8(1), 16401. doi: 10.1038/s41598-018-34596-0.
6. Shih, M.H., C.H. Lin\*, H.C. Pu, Y.C. Lai and H.F. Lee, (2018), A West-dipping seismogenic boundary beneath the Chia-yi area of Taiwan, *TERRESTRIAL ATMOSPHERIC AND OCEANIC SCIENCES*, 29(5), 1-10. doi:10.3319/TAO.2018.05.17.01
7. Lin, C.H., Y.C. Lai, M.H. Shih, C.J. Lin, J.S. Ku and H.C. Pu, (2018), Extremely similar volcano sounds from two separated fumaroles at the Tatun volcano group in Taiwan, *SEISMOLOGICAL RESEARCH LETTERS*, 89(6), 2347-2353. doi: 10.1785/0220180090
8. Lai, Y.C., C.H. Lin\*, M.H. Shih, H.F. Lee, C.S. Ku, C.J. Lin and H.C. Pu, (2018), Interface geometry of potential mega-thrust earthquakes beneath the westernmost Ryukyu subduction system, *TERRESTRIAL ATMOSPHERIC AND OCEANIC SCIENCES*, 29(4), 405-415. DOI:10.3319/TAO.2018.01.22.02