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Education

2020 **Ph.D.**, Department of Geosciences, National Taiwan University, Taiwan

2008 **M.S.**, Institute of Seismology, National Chung Cheng University, Taiwan

2002 **B.S.**, Department of Water Resources and Environmental Engineering, Tamkang University, Taiwan

Research Interest

Seismology, Geophysics, Geosciences

Publication

1. Lin, C. J., W. G. Huang, H. P. Huang, B. S. Huang, **C. S. Ku**, and C. C. Liu, (2012), Investigation of array-derived rotation in TAIPEI 101, *J. Seismology*, 16, 721-731. <https://doi.org/10.1007/s10950-012-9306-7>
2. Kuo, Y. T., **C. S. Ku**, Y. G. Chen, Y. Wang, Y. N. N. Lin, R. Y. Chuang, Y. J. Hsu, F. W. Taylor, B. S. Huang, and H. Tung, (2016), Characteristics on fault coupling along the Solomon megathrust based on GPS observations from 2011 to 2014, *Geophys. Res. Lett.*, 43, 8519–8526. <https://doi.org/10.1002/2016GL070188>
3. 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, *Seismol. Res. Lett.*, 89(6), 2347-2353. <https://doi.org/10.1785/0220180090>
4. 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, *Terr. Atmos. Ocean. Sci.*, 29(4), 405-415. <https://doi.org/10.3319/TAO.2018.01.22.02>
5. **Ku, C. S.**, Y. T. Kuo, W. A. Chao, S. H. You, B. S. Huang, Y. G. Chen, F. W. Taylor, and Y. M. Wu, (2018), A First-Layered Crustal Velocity Model for the Western Solomon Islands: Inversion of the Measured Group Velocity of Surface Waves Using Ambient Noise, *Seismol. Res. Lett.*, 89(6), 2274-2283. <https://doi.org/10.1785/0220180126>
6. Lin, C. H., Y. C. Lai, M. H. Shih, C. J. Lin, **J. S. Ku**, and Y. C. Huang, (2019), A Major Hydrothermal Reservoir Underneath the Tatun Volcano Group of Taiwan: Clues from a Dense Linear Geophone Array, *Pure Appl. Geophys.*, <https://doi.org/10.1007/s00024-019-02396-w>
7. **Ku, C. S.**, Y. T. Kuo, B. S. Huang, Y. G. Chen and Y. M. Wu, (2020), Seismic velocity structure beneath the Western Solomon Islands from the joint inversion of receiver functions and surface-wave dispersion curves, *Journal of Asian Earth Sciences*, 195, 104378. <https://doi.org/10.1016/j.jseaes.2020.104378>