

COMPLETED LIST OF PUBLICATIONS

LIN, CHI-YEN

Refereed papers

1. Sun, Y.-Y., Liu, J.-Y., Lin, C.-H., Lin, C.-Y., Shen, M.-H., Chen, C.-H., Chen, C.-H., Chou, M.-Y. (2018). Ionospheric bow wave induced by the moon shadow ship over the continent of United States on 21 August 2017. *Geophysical Research Letters*, 45, 538–544. <https://doi.org/10.1002/2017GL075926>
2. Lin, C. Y., Matsuo, T., Liu, J. Y., Lin, C. H., Huba, J. D., Tsai, H. F., & Chen, C. Y. (2017). Data assimilation of ground-based GPS and radio occultation total electron content for global ionospheric specification. *Journal of Geophysical Research: Space Physics*, 122, 10,876–10,886. <https://doi.org/10.1002/2017JA024185>
3. Chou, M. Y., Lin, C. C. H., Tsai, H. F., and Lin, C. Y. (2017), Ionospheric electron density inversion for Global Navigation Satellite Systems radio occultation using aided Abel inversions, *J. Geophys. Res. Space Physics*, 122, 1386–1399, doi:10.1002/2016JA023027.
4. Sun, Y.-Y., Liu, J.-Y., Lin, C.-Y., Tsai, H.-F., Chang, L. C., Chen, C.-Y., and Chen, C.-H. (2016), Ionospheric F2 region perturbed by the 25 April 2015 Nepal earthquake, *J. Geophys. Res. Space Physics*, 121, 5778–5784, doi:10.1002/2015JA022280.
5. Liu J. Y., Lin, C. Y., and Tsai, H. F. (2015), Electron density profiles probed by radio occultation of FORMOSAT-7/COSMIC-2 at 520 and 800 km altitude, *Atmos. Meas. Tech.*, 8, 3069-3074, doi:10.5194/amt-8-3069-2015.
6. Lin, C. Y., Matsuo, T., Liu, J. Y., Lin, C. H., Tsai, H. F., and Araujo-Pradere, E. A. (2015), Ionospheric assimilation of radio occultation and ground-based GPS data using non-stationary background model error covariance, *Atmos. Meas. Tech.*, 8, 171-182, doi:10.5194/amt-8-171-2015.
7. Lin, C. Y., Liu, J. Y., Lin, C. H., Sun, Y. Y., Araujo-Pradere, E. A., and Kakinami, Y. (2012), Using the IRI, the MAGIC model, and the co-located ground-based GPS receivers to study ionospheric solar eclipse and storm signatures on July 22, 2009, *Earth Planets Space*.
8. Liu, J. Y., Lin, C. Y., Lin, C. H., Tsai, H. F., Solomon, S. C., Sun, Y. Y., Lee, I. T., Schreiner, W. and Kuo, Y. H. (2010), Artificial Plasma Cave in the Low-latitude Ionosphere Results from the Radio Occultation Inversion of the FORMOSAT-3/COSMIC, *J. Geop*