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專 長：電離層物理, 地震電磁現象, 電離層探測儀觀測,
全球電離層全電子含量分析

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〔 著 作 〕

A. 期刊論文

1. Ho, Y. Y., H. K. Jhuang, Y. C. Su, and J. Y. Liu (2013), Seismo-ionospheric anomalies in total electron content of the GIM and electron density of DEMETER before the 27 February 2010 M8.8 Chile earthquake, *J. Adv. Space Res.*, <http://dx.doi.org/10.1016/j.asr.2013.02.006>.
2. Sun, Y. Y., K.-I. Oyama, J. Y. Liu, H. K. Jhuang, C. Z. Cheng(2011), The neutral temperature in the ionosphere dynamo region and the ionospheric F region density during Wenchuan and Pingtung Doublet earthquakes, *Natural Hazards and Earth System Science*, DOI: 10.5194/nhess-11-1759-2011.
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5. J. Y. Liu, Y. I. Chen, H. K. Jhuang, Y. H. Lin(2004), Ionospheric foF2 and TEC Anomalous Days Associated with $M \geq 5.0$ Earthquakes in Taiwan during 1997-1999, *Terr. Atmo. Oce. Sci.*, **15**, 385-396.

B. 會議論文

1. Jhuang, Hau-Kun, Yi-Ying Ho, Jann-Yenq Liu (2011), The Midlatitude Electron Density Enhancement Observed by DEMETER, Asia Oceania Geosciences Society, Taiwan.

2. Ho, Y. Y., J. Y. Liu, H. K. Jhuang (2011), The plasmopause observed by DEMETER satellite during 2005-2010, Asia Oceania Geosciences Society, Taipei, Taiwan.
3. Liu, Jann-Yenq, Yuh-Ing Chen, Hau-Kun Jhuang (2011), The Chance of Observing Seismo-ionospheric Anomalies Associated with the 11 March 2011 M9.0 Miyagi Earthquake at Taiwan, Asia Oceania Geosciences Society, Taiwan.
4. Jhuang, Hau-Kun, Michel Parrot, Jann-Yenq Liu (2010), Study of ionospheric electron variations prior to $M \geq 6.0$ earthquakes, Western Pacific Geophysics Meeting, Taipei, Taiwan.
5. Liu, Jann-Yenq., C. C. Hsiao, K. Oyama, H. K. Jhuang and Y. H. Wang (2007), The First Results About Earthquake Study with FORMOSAT-3/COSMIC, American Geophysical Union 2007 Fall Meeting, San Francisco, USA.
6. Nishihashi, M., H. K. Jhuang, K. Hattori, J. Y. Liu (2007), Spatial distribution of ionospheric GPS-TEC and NmF2 disturbances prior to the 1999 Chi-Chi and Chia-Yi Earthquakes, International Union of Geodesy and Geophysics, Perugia, Italy.
7. Ho, Y. Y., H. K. Jhuang, J. Y. Liu (2007), Seismo-anomalies of Ground- and Space-Based observations During $M \geq 5.0$ Earthquakes in Taiwan, International Union of Geodesy and Geophysics, Perugia, Italy.
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9. 何宜穎, 莊皓琨, 劉正彥 (2007), 台灣地區大規模地震期間之地面及太空觀測, 台灣地球科學聯合學術研討會, 桃園, 台灣.
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