(A)期刊論文

- Yu, Jin-Yi, S.-P. Weng, and J. D. Farrara, 2003: Ocean roles in the TBO transitions of the Indian-Australian Monsoon System. *Journal of Climate*, **16**, 3072-3080. (SCI)
- Hsu, H.-H. and S.-P. Weng, 2002: Stratospheric Antarctic intra-seasonal oscillation during the austral winter. *Journal of Meteorologic Society of Japan*, **80**, 1029-1050. (SCI)
- Chen, T.-C., S.-P. Weng, and S. Schubert, 2001: A low-frequency variation of the global atmospheric angular momentum with a time scale of 70-120 days. *Dynamics of Atmospheric and Oceanic Circulation and Climate, China Meteorological Press*, 212-228.
- Chen, T.-C., M.-C. Yen, and **S.-P. Weng**, 2000: Interaction between the summer monsoons in East Asia and the South China Sea: Intraseasonal monsoon modes. *Journal of Atmospheric Science*, **57**, 1373-1392. (**SCI**)
- Chen, T.-C. and **S.-P. Weng**, 1999: Interannual and intraseasonal variations in monsoon depressions and their westward propagating predecessors. *Monthly Weather Review*, **127**, 1005-1020. (**SCI**)
- Chen, T.-C., **S.-P. Weng** and S. Schubert, 1999: Maintenance of austral summertime upper troposphere circulation over tropical South America: The Bolivian high-Nordeste low system. *Journal of Atmospheric Science*, **56**, 2081-2100. (**SCI**)
- Pan, Z., M. Segal, R. W. Arritt, T.-C. Chen and **S.-P. Weng**, 1999: A method for simulating effects of quasi-stationary wave anomalies on the regional climate. *Journal of Climate*, **12**, 1336-1343. (**SCI**)
- Chen, T.-C., S.-P. Weng, N. Yamazaki, and S. Kiehne, 1998: Interannual variation in the tropical cyclone formation over the western North Pacific., *Monthly Weather Review*, 126, 1080-1090. (SCI)
- Chen, T.-C. and **S.-P. Weng**, 1998: Interannual variation of the summer synoptic-scale disturbance activity in the western tropic Pacific. *Monthly Weather Review*, **126**, 1725-1733. (**SCI**)
- Chen, T.-C. and **S.-P. Weng**, 1997: On the summer typhoon movement over the western north Pacific: The effect of the 30-60-day monsoon mode. *Monthly Weather Review*, (pending review).
- Chen, T.-C. and **S.-P. Weng**, 1997: The poleward propagation of atmospheric angular momentum with a 30-60 day time scale. *Dynamics of Atmospheres and Oceans.*, **27**, 173-185. (**SCI**)
- Chen, T.-C. and **S.-P. Weng**, 1996: Some effects of the intraseasonal oscillation on the equatorial waves over the western tropical Pacific-South China Sea region during the Northern summer. *Monthly Weather Review*, **124**, 751-756. (**SCI**)

Chen, T.-C., J. Pfaendtner, and S.-P. Weng, 1994: Aspects of the Hydrological Cycle of the Ocean-Atmosphere System. *Journal of Physical Oceanography*, **24**, 1827-1833. (SCI)

(B)研討會論文

- **Weng, S.-P.,** Y.-C. Tung, and W.-.H. Huang, 2005: Predictions of global sea surface temperature anomalies: Introduction of CWB/OPGSST1.1 forecast system. *In proceedings of conference on weather analysis and forecasting 2005*, 18-20 October, 2005, Taipei, Taiwan. pp341-345.
- Yu, Jin-Yi, and **S.-P. Weng**, 2004: Relative roles of Indo-Pacific oceans in the TBO transitions between Asian and Australian monsoon systems. *Ist International CLIVAR (Climate Variability and Predictability) Science Conference*, 21-25 June 2004, Baltimore, USA.
- Yu, Jin-Yi, and **S.-P. Weng**, 2004: The varying importance of air-sea interactions to MJO in the Indo-Pacific Ocean. *The 15th Symposium on Global Change and Climate Variations*, 10-15 January 2004. Seattle, USA.
- Weng, S.-P., 2003: The development of statistic prediction model for global sea surface temperature anomalies at Central Weather Bureau. *International Workshop on Monthly-to-Seasonal Climate Prediction*, 25-26 October 2003. NTNU, Taipei, Taiwan ROC [available through web site at http://140.122.144.91/CTChen/index.htm].
- Yu, J.-Y., **S.-P. Weng**, and J. D. Farrara, 2003: Ocean roles in the biennial Asian and Australian monsoon tendency. *The 2003 General Assemblies of International Geodyse and Geophysics Union*, June 30 July 11 2003, Sapporo, Japan.
- Yu, Jin-Yi, and S.-P. Weng, 2003: Ocean roles in the transitions between Indian and Australian monsoons. *14th Symposium on Global Change and Climate Variations*. 11-15 January 2003. Long Beach California, USA.
- Weng, S.-P. and J.-Y. Yu, 2002: Roles of Indian and Pacific Oceans in the seasonal transitions between Indian and Australian monsoons. *The 27th Annual Climate Diagnostics and Prediction Workshop*, 21-25 October 2002, Faifax, Virginia, USA.
- **Weng, S.-P.** and T.-C. Chen, 2002: Intraseasonal rainfall variability in the Amazon basin. *VAMOS/CLIVAR/WCRP Conference on South American Low-Level Jet*, 5-7 February 2002, Santa Cruz de la Sierra, Bolivia.
- 許晃雄, **翁叔平**, 2001: Stratospheric Antartic intraseasonal oscillation during the Austral winter。第七屆全國大氣科學學術研討會。論文彙編 406-412。
- Hsu, H.-H., and **S.-P. Weng**, 2001: Potential contribution of the intraseasonal oscillation to the stratosphere-troposphere coupling. *Workshop on Coupling of the Stratosphere and Troposphere by Dynamical, Radiative and Chemical Processes*, 13-17 March 2001,

- Tokyo, Japan (invited paper).
- Chen, T.-.C., **S.-P. Weng**, S. Schubert, and R. W. Arrit, 2000: Relationship between Great Plains low-level jet activity and the Mexican monsoon. *US CLIVAR Pan American Principal Investigators Meeting*, 6-8 September 2000, Bolder, USA.

(C)專書,技術報告

- **Weng, S.-P.,** and B. Wang, 2004: The improvements of SST prediction in the Indian and northwestern Pacific Oceans: Model bias correction using double cross validation scheme. *CWB Tech. Report, No. IEI-C93-CFM-DWR-015*, 127pp.
- **翁叔平**,王斌,黃文豪,童雅卿 2004: 中央氣象局最佳化全球海溫預報校驗系統。 *CWB Tech. Report, No. IEI-C93-CFM-DWR-014*, 180pp.
- **翁叔平**, 王斌 2004: 中央氣象局最佳化全球海溫預報系統(CWB/OPGSST_v1.0)之建置。 *CWB Tech. Report, No. IEI-C93-CFM-DWR-003*, 36pp.
- **Weng, S.-P.** and B. Wang 2003: SVD-based prediction model for global SST anomalies with a leading time up to two seasons. *CWB Tech. Report, No. ISL-C92-CFM-DWR-020*, 65pp.
- **Weng, S.-P.** and B. Wang 2003: Intercomparison of long-term sea surface temperature analyses: First-order diagnostics. *CWB Tech. Report, No. ISL-C92-CFM-DWR-019*, 27pp.
- Weng, S.-P., 2000: A new perspective on the regional hydrologic cycle over North and South America. Ph.D. dissertation, *Dept. of Geological and Atmospheric Sciences. Iowa State University*, 153pp. [Available from Iowa State University, Ames, IA 50011, U.S.A.]
- Pan, Z., R. W. Arritt, T.-C. Chen, and **S.-P. Weng**, 1999: Effects of quasi-stationary wave anomalies on the regional hydrologic cycle in the continental United States. "Hydrological Extremes: Understanding, Predicting, Mitigating", Edited by L. Gottschalk, J.-C. Olivry, D. Reed & D. Rosbjerg, IASH Press No. 255.
- Chen, T.-C. and **S.-P. Weng**, 1997: A further observational study of the South China Sea summer monsoon: Climatology and interannual variation. *Tech. Report in GSFC contributions*, 44 pp [Available from T.-C. Chen, Department of Geological and Atmospheric Sciences, Iowa State University, Ames, Iowa 50011, USA].
- Weng, S.-P., 1994: An observational study of the semiannual variations in the relative atmospheric angular momentum. Master thesis, *Dept. of Geological and Atmospheric Sciences. Iowa State University*, 83pp [Available from Iowa State University, Ames, IA 50011, U.S.A.]
- 曾忠一,劉振榮,**翁叔平** 1991: 衛星遙測資料的大氣效應訂正(3), 農委會研究報告曾忠一,**翁叔平** 1991: 種雲試驗的數值模擬(二), 國科會研究報告 NSC80-0202-M001-019, 95pp.
- 曾忠一,劉振榮, 翁叔平 1990:衛星遙測資料的大氣效應訂正(2),農委會研究報告

- 曾忠一, **翁叔平** 1990: 種雲試驗的數值模擬(一), 國科會研究報告 *NSC79-0202-M001-020*, 37pp.
- 曾忠一, **翁叔平** 1989: 對流雲模式的發展與應用(三), 國科會研究報告 NSC78-0202-M001-013, 43 pp.