

著作目錄

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A. 期刊論文：

- Huang C.L., Tsai C.K., Tan F.L., Hsieh C.W. (2014) Glassy carbon electrode modified by multi-walled carbon nanotubes for detection platform of organochlorine pesticides. *Advances in Biosensors and Bioelectronics*. *Advances in Biosensors and Bioelectronics*, 3: pp1-6.
- Tsai C.K., Chen Y.S., Wu P.C., Hsieh T.Y., Liu H.W., Yeh C.Y., Lin W.L., Chia J.S., Liu T.M. (2012) Virtual optical biopsy of human adipocytes with third harmonic generation microscopy. *Biomedical Optics Express*. 4:178-86. (SCI)
- Liu C.L., Liu T.M., Hsieh T.Y., Liu H.W., Chen Y.S., Tsai C.K., Chen H.C., Lin J.W., Hsu R.B., Wang T.D., Chen C.C., Sun C.K., Chou P.T. (2012) In vivo metabolic imaging of insulin with multiphoton fluorescence of human insulin–Au nanodots. *Small*. 9:2103-10. (SCI)
- Tsai C.K., Chen Y.S., Wu P.C., Hsieh T.Y., Liu H.W., Yeh C.Y., Lin W.L., Chia J.S., Liu T.M. (2012) Imaging granularity of leukocytes with third harmonic generation microscopy. *Biomedical Optics Express*. 3:2234-43. (SCI)
- Jiang I.J., Tsai C.K., Chen S.C., Wang S.H., Amiraslanov I., Chang C.F., Wu W.J., Tai J.H., Liaw Y.C., Huang T.H. (2011). Molecular basis of the recognition of the ap65-1 gene transcription promoter elements by a Myb protein from the protozoan parasite *Trichomonas vaginalis*. *Nucleic Acids Research*. 39:8992-9008. (SCI)
- Kuo Y.S., Chen C.J., Wang H.H., Kuan W.C., Tsai C.K., Chiu W.T. (2011) The applications of MRI in central nervous system. *Instruments Today*. 180: pp 4-17.
- Chang C.K., Sue S.C., Yu T.H., Hsieh C.M., Tsai C.K., Chiang Y.C., Lee S.J., Hsiao H.H., Wu W.J., Chang W.L., Lin C.H., Huang T.H. (2006) Modular organization of SARS coronavirus nucleocapsid protein. *Journal of Biomedical Science*. 13:59-72. (SCI)
- Chang C.K., Sue S.C., Yu T.H., Hsieh C.M., Tsai C.K., Chiang Y.C., Lee S.J., Hsiao H.H., Wu W.J., Chang C.F., Huang T.H. (2005). The dimer interface of the SARS coronavirus nucleocapsid protein adapts a porcine respiratory and reproductive syndrome virus-like structure. *FEBS Letters*. 579:5663-8. (SCI)
- Gorbatyuk V.Y.*, Tsai C.K.*, Chang C.F., Huang T.H. (2004) Effect of N-terminal and Met²³ mutations on the structure and dynamics of Onconase. *The Journal of Biological Chemistry*. 279:5772-80. (SCI)

*These two authors contributed equally to this work

B. 專書及專書論文：

- Tsai C.K. (2009). DNA recognition mechanism of Myb2 protein derived from *Trichomonas vaginalis* by NMR technology. Doctoral thesis, National Taiwan Normal University. pp 1-105.
- Tsai C.K. (1997) Analysis of *clpA-like* gene from *Arabidopsis thaliana*. Master's thesis, National Tsing Hua University. pp 1-76.

C. 研討會論文：

- Jhanh J.H., Huang C.L., Tsai C.K., Chen P.Y., Ciou W.L., Hsieh C.W. (2013) Using nafion and MWCNTs modification of the glassy carbon electrode for electrochemical organochlorine pesticides sensor. *Food & Function International Symposium*.
- Hung M.C., Shih W.C., Chen J.W., Tsai C.K., Hsieh C.W. (2013) Design orthogonal experiment to find the optimal extraction conditions of *Xylaria nigripes* polysaccharides and evaluate the capacity of antioxidant. *Food & Function International Symposium*.
- Huang C.L., Tsai C.K., Chen B.E., Jhanh J.H., Ciou W.L., Hsieh C.W. (2013) Glassy carbon electrode modified by multi-walled carbon nanotubes for detection platform of organochlorine pesticides. *International Symposium on Nano Science and Technology*.
- Hung M.C., Tsai C.K., Shih W.C., Chen J.W., Hsu T.H., Hsieh C.W. (2013) Structural analysis of *Xylaria nigripes* water-soluble polysaccharides. *International Society for Nutraceuticals and Functional Foods*.
- Chen C.J., Kuan W.C., Hsu H.L., Kuo Y.S., Wang H.H., Tsai C.K. (2011) Functional MRI

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D. 技術報告:

- Tsai C.K., Huang Y.H., Lin S.L. (1997) Simple circuit simulation of the lock-in amplifier. Physics Lab, Soochow University. pp 1-32.