

論文發表

(A) 期刊論文 (近五年)

1. Wen-Chung Liu, **Chao-Ming Wu** and Chien-Ming Lee, 2004, "Design of Curved H-Shaped Slot Patch Antenna for WLAN," *國立虎尾科技大學學報 第一期(民國 93)*, pp. 189-196.
2. W.-C. Liu and **C.-M. Wu**, May 2004, "Broadband dual-frequency CPW-fed planar monopole antenna with rectangular notch," *Electronics Letters*, Vol.40, No.11, pp.642-643 (SCI/EI) (2001 SCI Impact Factor: 0.97).
3. W.-C. Liu, C.-C. Huang and **C.-M. Wu**, June 2004, "Dual-polarised single-layer slotted patch antenna," *Electronics Letters*, Vol.40, No.12, pp.717-718 (SCI/EI) NSC 91-2213-E-150-012-9 (2001 SCI Impact Factor: 0.97)
4. Wen-Chung Liu, Wen-Ren Chen and **Chao-Ming Wu**, Dec. 2004, "Printed double S-shaped monopole antenna for wideband and multiband operation of wireless communications," *IEE Proceedings Microwaves, Antennas and Propagation*, Vol. 151, No. 6, pp. 473 – 476. (SCI/EI) NSC 92– 2622–E – 150– 042-CC3 (2001 SCI Impact Factor: 0.331)
5. **Chao-Ming Wu**, Jung-Chi Tu, Wen-Chung Liu and Che-Cheng Hu, "Improving Robustness of Spatial Watermarking of Images using Turbo Code," *國立虎尾科技大學學報 第二期(民國 94)*.
6. **Chao-Ming Wu**, Jung-Chi Tu, and Wen-Chung Liu, Mar. 2005, "使用LDPC碼提昇浮水印之強健性," *中華民國資訊學會通訊 Communications of IICM*, 第八卷第一期, pp. 151-162.
7. Wen-Chung Liu and **Chao-Ming Wu**, Mar. 2006, "CPW-fed Shorted F-shaped Monopole Antenna for 5.8 GHz RFID Application," *Microwave and Optical Technology Letters*, Vol. 48, No. 3, pp. 573 – 575. (SCI Expanded /EI) (2006 impact factor 0.568, rank factor: ENGINEERING, ELECTRICAL & ELECTRONIC: 125/206; OPTICS: 44/56).
8. **Chao-Ming Wu**, April 2007, "Dual-band CPW-fed cross-slot monopole antenna for WLAN operation," *IET Microwaves, Antennas & Propagation*, vol. 1, no. 2, pp. 542 - 546 (SCI/EI) (2006 impact factor 0.572, rank factor: ENGINEERING, ELECTRICAL & ELECTRONIC: 122/206; TELECOMMUNICATIONS: 31/59).

9. **Chao-Ming Wu**, Oct. 2007, "Wideband Dual-frequency CPW-fed Triangular Monopole Antenna for DCS/WLAN Application," *AEU International Journal of Electronics and Communications*, vol. 61, no. 9, pp. 563 - 567 (**SCI**) (2006 impact factor 0.448, rank factor: ENGINEERING, ELECTRICAL & ELECTRONIC: 142/206; TELECOMMUNICATIONS: 35/59).
10. W.-C. Liu, S._H. Chen, and **C.-M. Wu**, 2008, "Implantable Broadband Circular Stacked PIFA Antenna for Biotelemetry Communication," *J. of Electromagn. Waves and Appl.*, vol. 22, pp. 1791 – 1800. (**SCI/EI**) (2007 impact factor 1.844, rank factor: 33/227).
11. Wen-Chung Liu, **Chao-Ming Wu**, Shih-Hsiung Chung, and Jieh-La Jaw, Dec. 2008, "Strip loaded CPW-fed triangular monopole antenna for UWB operation," *Microwave and Optical Technology Letters*, vol. 50, No. 12, pp. 3097-3101 (**SCI/EI**) (2007 impact factor 0.631, rank factor: 130/227).
12. Wen-Chung Liu, **Chao-Ming Wu**, Shih-Hsiung Chung, and Jieh-La Jaw, Dec. 2008, "Notched CPW-fed pentagonal monopole antenna for dual wideband operation," *Microwave and Optical Technology Letters*, vol. 50, No. 12, pp. 3104-3108 (**SCI/EI**) (NSC 96-2815-C-150-022-E) (2007 impact factor 0.631, rank factor: 130/227).
13. Wen-Chung Liu, Ssu.-Hung Chen, and **Chao-Ming Wu**, Mar. 2009, "Bandwidth enhancement and size reduction of an implantable PIFA antenna for biotelemetry devices," *Microwave and Optical Technology Letters*, vol. 51, No. 3, pp. 755-757 (**SCI/EI**) (NSC 96-2221-E-150-001) (2007 impact factor 0.631, rank factor: 130/227).

(B) 研討會論文 (近五年)

1. Wen-Ren Chen, Wen-Chung Liu and **Chao-Ming Wu**, May 2004, "Printed meandered monopole antenna for multiband operation of wireless communications", *2004 Conference on Electronic Communication and Applications*, Kaohsiung, Taiwan.
2. Wen-Chung Liu and **Chao-Ming Wu**, Dec. 2004, "A Triple-band CPW-fed Notched Monopole Antenna for Wireless Communications," *The 1st Applied Science And Technology*

Conference, Kaohsiung, Taiwan.

3. **Chao-Ming Wu** and Ching-Feng Hsu, April 2005, "Dual wideband CPW-fed monopole antenna with double-cornered notches," *2005 Communication Electronic Technology and Application*, Kaohsiung, Taiwan
4. Wen-Chung Liu and **Chao-Ming Wu**, June 2005, "Dual Broadband Slit-loaded CPW-fed Monopole Antenna for Wireless Communication," *IEEE International Symposium on Industrial Electronics - ISIE 2005*, Dubrovnik, Croatia, Vol.4, pp.1377-1380 (EI).
5. Wen-Chung Liu, Ping-Chi Kao and **Chao-Ming Wu**, Dec. 23 2005, "CPW-fed ultra-wideband planar Antenna with a band-stop function", *彰雲嘉大學校院聯盟 2005 學術研討會*, Changhua, Taiwan, pp. 244-246.
6. Wen-Chung Liu and **Chao-Ming Wu**, Aug. 2006, "Particle Swarm Optimization of Dual-Band CPW-fed Antenna for WLAN Operation," *Progress in Electromagnetics Research Symposium (PIERS 2006)*, Tokyo, Japan.
7. Hong-Jun Liu, Wen-Chung Liu and **Chao-Ming Wu**, 2006 Dec. 15, "CPW-fed compact meandered patch antenna for triple-band operation," *2006 年彰雲嘉大學校院聯盟學術研討會*, Cha-Yi, Taiwan.
8. Wen-Chung Liu, Yu-Ting Kao and **Chao-Ming Wu**, 2006 Dec. 15, "Design of a flexible CPW-fed meandered antenna for 2.4/5.2/5.8GHz WLAN application," *2006 年彰雲嘉大學校院聯盟學術研討會*, Cha-Yi, Taiwan. NSC 95-2221-E-150-019-
9. Wen-Chung Liu and **Chao-Ming Wu**, Mar. 2007, "Dual-band CPW-fed G-shaped Monopole Antenna for 2.4/5 GHz WLAN Application," *Progress in Electromagnetics Research Symposium (PIERS 2007)*, Beijing, China.
10. **吳昭明**、陳文儉、沈友硯, June 2007, "改良分享影像於視覺化密碼之研究," *2007 數位科技與創新管理國際研討會*, 台北, 台灣.
11. **Chao-Ming Wu**, Wen-Jan Chen, and Yu-Yen Shen, July 2007, "A Study on Improved Share Image of Visual Cryptography," *The 22nd International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC 2007)*, vol. 3, pp. 1473-1474, Busan, Korea.
12. **Chao-Ming Wu**, and Chen-Gom Wu, July 2007, "A Novel

- Robust-imperceptible Watermarking Scheme,” *The 22nd International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC 2007)*, vol. 3, pp. 1477-1478, Busan, Korea.
13. Wen-Chung Liu, **Chao-Ming Wu**, and Yueh-Hsing Ho, Oct. 2007, “Broad Dualband Fork-shaped CPW-fed Monopole Antenna,” *IEEE TENCON 2007*, Taipei, Taiwan.
 14. Wen-Chung Liu, Feng-Ming Yeh and **Chao-Ming Wu**, Dec. 20 2007, “Broadband CPW-fed shorted monopole antenna for wireless application”, 2007 彰雲嘉大學校院聯盟學術研討會, Yunlin, Taiwan.
 15. 王俊傑、陳後守、張書豪、林基源、**吳昭明**, Dec. 2008, “結合訊源通道編碼改善無線通道中的VQ壓縮影像,” 2008 年全國電信研討會.
 16. H. Liang, H. Chen, **C. M. Wu**, Dec. 2008, “A Modified Partial Transmit Sequence with PAPR Reduction and Error Correction in 16-QAM OFDM Systems,” *ISPACS 2008*.

(C)專書

1. **Chao-Ming Wu**, June 1995, “Combination Systems of BCM and TCM with Phase Rotational Invariance,” Ph. D. dissertation, National Cheng Kung University, Tainan, Taiwan, ROC.
2. **吳昭明**、蘇裕哲、蔡佳勝、陳震宇, May 10, 2000, “通訊系統,” 文京圖書有限公司, ISBN: 957-512-295-X.
3. 陳後守、邱茂清、王忠炫、**吳昭明**, June 2007, “錯誤更正碼,” 教育部顧問室·無線網路教學推動中心, 大放異彩書局。