# 著作列表

 (A)、Journal Papers：

1. K. C. Wang (單一作者), “Time-Frequency Feature Representation Using Multi-Resolution Texture Analysis and Acoustic Activity Detector for Real-Life Speech Emotion Recognition,” *SENSORS*, Vol. 15, no. 1, pp. 1458-1478, Jan. 2015. (SCI, Impact Factor: 2.033 (2015); 5-Year Impact Factor: 2.437 (2015), Rank Factor=12/56=Top 21.4%)
2. K. C. Wang (單一作者), “The Feature Extraction Based on Texture Image Information for Emotion Sensing in Speech,” *SENSORS*, Vol. 14, no. 9, pp. 16692-16714, Sept. 2014. (SCI, Impact Factor: 2.245 (2014); 5-Year Impact Factor: 2.474 (2014), Rank Factor=10/56=Top 17.8%)
3. K. C. Wang (單一作者), "A Novel Voice Sensor for the Detection of Speech Signals," *SENSORS*, Vo.13, No.12, pp.16533-16550, Dec. 2013. (SCI, Impact Factor: 2.048 (2013); 5-Year Impact Factor: 2.457 (2013), Rank Factor=10/57=Top 17.5%)
4. K. C. Wang (單一作者), "Horizontal Spectral Entropy with Long-Span of Time for Robust Voice Activity Detection," *IEICE Trans. on Information and Systems*, Vol.E96-D No.9 pp.2156-2161, Sept. 2013. (SCI, Impact Factor=0.369, Rank Factor=91/99)
5. K. C. Wang (單一作者), "A Novel Approach Based on Adaptive Long-term Sub-band Entropy and Multi-thresholding Scheme for Detecting Speech Signal," *IEICE Trans. on Information and Systems*, Vol.E95-D, No.11, pp.2732-2736, Nov. 2012. (SCI, Impact Factor=0.369, Rank Factor=91/99)
6. K. C. Wang (單一作者), "Voice-Activity Detection Using Long-Term Sub-Band Entropy Measure," *IEICE Trans. on Fundamentals*. Vol.E95-A, No.9, pp.1606-1609, Sept. 2012. (SCI, IF=0.366, Rank Factor = 193/245)
7. C. L. Chin, K. C. Wang and W. S. Jhao, "A Document Image Binarization Algorithm with Fuzzy Inference Method" *The Chung Shan Medical Journal*, Vol. 22, pp.417-434, Dec. 2011.
8. K. C. Wang (第一作者) and C. L. Chin, ''An Approach Using Combination of Multiple Features through Sigmoid Function for Speech-presence/absence Discrimination,'' *IEICE Trans. on Fundamentals*, Vol.E94-A, No. 8, pp.1630-1637, Aug. 2011. (SCI, IF=0.366, Rank Factor = 193/245)
9. K. C. Wang (單一作者), ''Voice Activity Detector for Noise Spectrum Estimation Using a Dynamic Band-Splitting Entropy Estimate,'' *International Journal of Computers and Applications*, Vol. 33, No. 3, Jul. 2011(EI)
10. K. C. Wang (單一作者), ''An Adaptive Wavelet-Based Denoising Algorithm for Enhancing Speech in Non-Stationary Noise Environment,'' *IEICE Transactions on Information and Systems*, vol. E93-D, No.2, pp. 341-349, Feb. 2010. (SCI, Rank Factor=91/99, Impact Factor=0.369)
11. K. C. Wang (第一作者) and C. L. Chin, ''A Time-Frequency Adaptation Based on Quantum Neural Networks for Speech Enhancement,'' *WSEAS Transactions on Information Science and Applications*, Volume 7, Issue 1, pp. 11-15, January 2010. (EI)
12. K. C. Wang (單一作者), ''Wavelet-Based Speech Enhancement Using Time-Frequency Adaptation,'' *EURASIP Journal on Advances in Signal Processing*, vol. 2009, pp. 1-8, Oct. 2009. (SCI, Rank Factor=115/229, 5-Year Impact Factor=1.074)
13. K. C. Wang (單一作者), ''A Wavelet-Based Voice Activity Detection Algorithm in Variable-Level Noise Environment,'' *WSEAS Transactions on Computers*, Vol. 8, Issue 6, pp. 949-955, June 2009. (EI)
14. K. C. Wang (第一作者) and C. L. Chin, ''An Efficient Voice Activity Detection in Realistic Environments,'' WSEAS Transactions on Systems, vol.6, pp. 1207-1212, Jul. 2007. (EI)
15. B. F. Wu and K. C. Wang (通訊作者), ''Speech Activity Detection Based on Auto-Correlation Function Using Wavelet Transform and Teager Energy Operator,'' *International Journal of Computational Linguistics and Chinese Language Processing*, vol. 11, no. 1, pp. 87-100, Mar. 2006.
16. B. F. Wu and K. C. Wang (通訊作者), ''Noise Spectrum Estimation with Entropy-based VAD in Non-Stationary Environments,'' *IEICE Transactions on Fundamentals of Electronics Communications and Computer Sciences*, vol. E89-A, no. 2, pp. 479-485, Feb. 2006. (SCI, 5-Year Impact Factor =0.444)
17. B. F. Wu and K. C. Wang (通訊作者), ''A Robust Endpoint Detection Algorithm Based on the Adaptive Band-Partitioning Spectral Entropy in Adverse Environments,'' *IEEE Transactions on Speech and Audio Processing*, vol. 13, no. 5, pp. 762-775, Sep. 2005. (SCI, 5-Year Impact Factor =1.853)
18. B. F. Wu and K. C. Wang (通訊作者), ''A Robust Entropy-Based Speech Detection in High Noisy Environments,'' *GESTS International Transactions on Speech Science and Engineering*, vol. 2, no. 1, pp. 79-90, Feb. 2005. (Invited Paper)

 (B)、Conference Papers：

1. K. C. Wang, Y.M. Yang and Y.R. Yang, "Speech/Music Discrimination using Hybrid-Based Feature Extraction for Audio Data Indexing," *Proceedings of the International Conference on System Science and Engineering 2017* (ICSSE 2017), pp. 537-541 Ho Chi Minh City, Vietnam, July 21-23, 2017.
2. K. C. Wang, "The Study of Automobile-Used Voice-Activity Detection System Based on Two-Dimensional Long-Time and Short-Frequency Spectral Entropy," *The Fourth International Conference on Technological Advances in Electrical, Electronics and Computer Engineering* (TAEECE 2016), pp. 54-61, Kuala Lumpur, Malaysia, September 6-8, 2016.
3. K. C. Wang, "A Novel Feature Extraction Based on Multi-Resolutions Texture Image Information and Acoustic Activity Detector for Emotion Recognition in Speech," *International Conference on Engineering and Natural Science* (ICENS 2015), pp. 107-130, Waseda University, Tokyo, Japan. July 22-24, 2015.
4. K. C. Wang, "Speech Emotional Classification Using Texture Image Information Features" (SP0006) has been accepted for Oral presentation at 2014 *International Conference on Communication and Signal Processing* (ICCSP 2014) in Bangkok, Thailand.
5. K. C. Wang, C. L. Chin and C. M. Wang, "Innovative VAD Based on Horizontal Spectral Entropy with Long-Span of Time," has been accepted for the *International MultiConference of Engineers and Computer Scientists 2013* (IMECS 2013), 13-15 March, Hong-Kong.
6. K. C. Wang, "An Adaptive Long-term Sub-band Entropy Measure for Voice Activity Detection (Paper Number: 8060)," Accepted to *BAI 2012*. Jul. 3- Jul. 5, 2012.
7. K. C. Wang, Chiun-Li Chin and Yi-Hsing Tsai, "A Novel Voice Activity Detection Method Using Improved Long-Term Spectral Analysis and Wavelet Entropy (Paper ID: 206)," has been accepted for Oral Presentation at the *Third International Conference on Audio, Language and Image Processing* (ICALIP 2012), Shanghai, China, July 16 - July 18, 2012.
8. C. M. Wang, K. C. Wang and C. L. Chin, "Decision-making and Recognition in Emotional Speech," has been accepted for Oral Presentation at *the 18th Cross Strait Conference on Information Management Development and Strategy* (CSIM 2012), Taipei, Taiwan, Aug. 20 - Aug. 21, 2012.
9. K. C. Wang, C. L. Chin and Y. H. Tsai, "The Combination Strategy of Multiple Features Derived from Bark-Scale Wavelet Domain for a Classification of Speech/Non-Speech (paper 1569379055)" has been accepted for presentation at *2011 IEEE Symposium on Computers and Informatics*, Jan. 2011. (20 - 22 March 2011, Kuala Lumpur, MALAYSIA)
10. K. C. Wang, C. L. Chin and Y. H. Tsai," The Classification of Speech/non-speech using Multiple Features Derived from Bark-Scale Wavelet Domain (Paper ID: P0129)," has been accepted for presentation at 2011 *International Conference on Data Engineering and Internet Technology* (DEIT 2011) to be held 15-17 March 2011, Bali, Indonesia.
11. C. L. Chin, W. S. Jhao and K. C. Wang, "A Robust Document Image Binarization Algorithm with Artificial Intelligent Method," accepted by *the 2010 International Congress on Computer Applications and Computational Science* (CACS 2010), 4-6 December 2010, Singapore.
12. C. L. Chin and W. S. Jhao and K. C. Wang, "A Document Image Binarization Algorithm with Fuzzy Inference Method, " accepted by *第23屆電腦視覺、圖學暨影像處理研討會*, 2010年 8月15 ~ 8月17日 於高雄舉辨
13. K. C. Wang, C. L. Chin and Y. H. Tsai, "Voice Activity Detection based on Combination of Weighted Sub-band Features using Auto-Correlation," *Proceedings of DiSS-LPSS Joint Workshop 2010*, pp. 83-88, 25-26 September 2010, Tokyo, Japan.
14. Y. H. Tsai, C. C. Tsai and K. C. Wang, "Automatic Content-Based Classification of MP3 Music Objects Radial Basis Function Network, " accepted by the *7th International Conference on Fuzzy Systems and Knowledge Discovery* (FSKD'10), 10-12 August 2010, Yantai, China.
15. C. L. Chin, H. H. Tsai, Y. C. Cheng, and K. C. Wang, “Automatic Pulmonary Embolism Detection System,” *The 22th IPPR Conference on Computer Vision, Graphics, and Image Processing*, August 2009
16. K. C. Wang, T. L. Hou, C. L. Chin, “Voice Activity Detection Using Spectral Entropy in Bark-Scale Wavelet Domain,” accepted by *ROCLING 2009*, 1-2 September 2009, July, 2009. in Taichung, Taiwan.
17. K. C. Wang, C. L. Chin and Y. H. Tsai, “A Wavelet De-noising System Using Time-Frequency Adaptation for Speech Enhancement Adaptation for Speech Enhancement,” *International Conference on Asian Languages Processing 2009* (IALP2009), pp.114-117, Dec 7-9, 2009, Singapore.
18. K. C. Wang, “A Novel Entropy-Based Voice Activity Detection Algorithm,” accepted by *2009年商業與資訊國際研討會-21世紀之挑戰與前瞻*, May 1-2, 2009, Kaohsiung, Taiwan.
19. C. L. Chin, K. C. Wang, and S. M. Chiou, “Curve-based Image Lightness Enhancement Algorithm,” *International Workshop on Computer Vision and Its Application to Image Media Processing*, January 2009.
20. K. C. Wang, “An Entropy-Based VAD Technique Using Bark-Scale Wavelet Decomposition and Adaptive Frequency Sub-band Extraction,” accepted by *Oriental COCOSDA 2008*, Nov. 25-27 2008, Kyoto, Japan.
21. K. C. Wang, “A Novel Speech Enhancement Based on Time-Frequency Adaptive Thresholding of the Perceptual Wavelet Packet Transform,” accepted by Oriental *COCOSDA 2008*, Nov. 25-27 2008, Kyoto, Japan.
22. K. C. Wang, “A Method with Entropy-Based Measure for Detecting Voice Activity in Noisy Environments,” accepted by the 6th International Symposium on Chinese Spoken Language Processing, *ISCSLP 2008*, December 16-19, 2008, Kunming, China.
23. K. C. Wang, “Voice Activity Detection Based on Discrete Wavelet Transform,” accepted by *ROCLING-2008*, Sep. 4~5, 2008, Taipei, Taiwan.
24. K. C. Wang and Y. H. Tsai, “Voice Activity Detection Algorithm with Low Signal-to-Noise Ratios Based on Spectrum Entropy,” Second International Symposium on Universal Communication, ISUC 2008, pp. 423~428, Dec. 15-16, 2008, Osaka, Japan.
25. B. F. Wu and K. C. Wang, “An Adaptive Band-Partitioning Spectral Entropy Based Speech Detection in Realistic Noisy Environments,” *INTERSPEECH 2004 ICSLP*, vol. 2, pp. 957~960, Oct. 4~8, 2004, Jeju Island, Korea.
26. B. F. Wu, K. C. Wang and L. Y. Kuo, “A Noise Estimator with Rapid Adaptation in Variable-Level Noisy Environments,” *ROCLING XVI*, pp. 33~38, Sep. 2~3, 2004, Taipei, Taiwan.