所有發表期刊論文

- Feng-Xian Yan, Changwei W. Wu, <u>Yi-Ping Chao</u>, Chi-Jen Chen, Ying-Chi Tseng, "APOE-ε4 allele altered the rest-stimulus interactions in healthy middle-aged adults", *Brain* (SCI, submitted 2015)
- Ai-Ling Hsu, Kun-Hsien Chou, <u>Yi-Ping Chao</u>, Hsin-Ya Fan, Changwei W. Wu, Jyh-Horng Chen, Ching-Po Lin, "Contribution of Physiological Fluctuations (CoPhy) in Resting State: Evaluating the Feasibility of High-Resolution Functional Connectivity", *Neuroimage* (SCI, under review 2014)
- Seong Yong Lim, Yeu-Sheng Tyan, <u>Yi-Ping Chao</u>, Fang-Yu Nien, Jun-Cheng Weng, "New Insights into the Developing Rabbit Brain using Diffusion Tensor Tractography and Generalized Q-Sampling MRI", *PLOS One* (SCI, under review, 2014)
- Ruijuan Yun, <u>Yi-Ping Chao</u>, Chung-Chin Lin, Shuicai Wu, Chu-Chung Huang, Ching-Po Lin, "A Prediction Model for Cognitive Performance from Diffusion Tensor Imaging with Graph Theory in Health Ageing", *Beijing Biomedical Engineering*. (Accepted, 2014)
- Ruijuan Yun, Shuicai Wu, Chung-Chin Lin, Chu-Chung Huang, Ching-Po Lin, Pei-Ning Wang, <u>Yi-Ping Chao*</u>, "A Diagnosis Model for Amnestic Mild Cognitive Impairment Based on Structural Network Characteristic of the Brain", *Chinese Journal of Biomedical Engineering*, Vol.33(5), pp. 564-573, October, 2014.
- Changwei W. Wu, <u>Yi-Ping Chao</u>, "Fundamental Concerns for Detecting Synchronized Brain Networks using Resting-State Functional Magnetic Resonance Imaging", *Journal of Neuroscience and Neuroengineering*, Vol.1(2), pp. 193-203, 2012
- Chia-Yen Yang, <u>Yi-Ping Chao</u>, Ching-Po Lin, "Differences in Early Dynamic Connectivity Between Visual Expansion and Contraction Stimulations Revealed by an fMRI-Directed MEG Approach", *Journal of Neuroimaging*, Vol. 22(4), pp. 400-407, October, 2012. (SCI, Rank: 70/120, Categories: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING).
- Changwei W. Wu, Chia-Lin Chen, Bo-Yu Liu, <u>Yi-Ping Chao</u>, Bharat B. Biswal, Ching-Po Lin, "Empirical Evaluations of Slice-Timing, Smoothing, and Normalization Effects in Seed-Based Resting-State Functional Magnetic Resonance Imaging Analysis", *Brain Connectivity*, Vol. 1:5, pp. 401-410, December, 2011.
- 9. Xiujuan Geng, Thomas J. Ross, Hong Gu, Wanyong Shin, Wang Zhan, Yi-Ping

Chao, Ching-Po Lin, Norbert Schuff, and Yihong Yang, "Diffeomorphic Image Registration of Diffusion MRI Using Spherical Harmonics", *IEEE Trans on Medical Imaging*, Vol. 30, pp. 747-758, March, 2011. (SCI, Rank: 7/79, Categories: ENGINEERING, BIOMEDICAL)

- 10. Fan-Yu Chen, Hong-Jhe Lai, Yi-Hung Lin, <u>Yi-Ping Chao*</u>, "The Development of Electrical Recording and Aanalysis System for Baseball and Softball Contests", *International Journal of Information and Technology*, pp. 20-22, Jan. 2011.(ISSN 1991-170X)
- 11.Ke-Hsin Chen, Hsin-Ya Fan, Su-Ping Tsao, <u>Yi-Ping Chao</u>, Ching-Po Lin, "Probabilistic Language Pathways Based on HARDI Tractography", *Chinese Journal of Magnetic Resonance*, Vol. 27:3, pp. 417-424, Sep. 2010.
- 12. <u>Yi-Ping Chao</u>, Kuan-Hung Cho, Chun-Hung Yeh, Kun-Hsien Chou, Jyh-Horng Chen, Ching-Po Lin, "Probabilistic Topography of Human Corpus Callosum using Cytoarchitectural Parcellation and HARDI Tractography", *Human Brain Mapping*, Vol. 30:10 pp. 3172-3187, 2009. (SCI, Rank: 1/120, Categories: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING)
- 13.Xiujuan Geng, Thomas J. Ross, Wang Zhan, Hong Gu, <u>Yi-Ping Chao</u>, Ching-Po Lin, Gary E. Christensen, Norbert Schuff, Yihong Yang, "Diffusion MRI Registration Using Orientation Distribution Functions", *Lecture Notes in Computer Science: Information Processing in Medical Imaging*, Vol. 5636, pp. 626-637, 2009.(EI)
- 14. Kuan-Hung Cho, Chun-Hung Yeh, <u>Yi-Ping Chao</u>, Jiun-Jie Wang, Jyh-Horng Chen, Ching-Po Lin, "Potential in reducing scan times of HARDI by accurate correction of the cross-term in a hemispherical encoding scheme", *Journal of magnetic resonance imaging*, Vol. 29:6, pp. 1386-94, 2009. (SCI, Rank: 38/120, Categories: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING)
- 15. Ching-Po Lin, Wan-Yuo Guo, Kun-Hsien Chou, Ming-Teh Chen, Min-Hsiung Chen, Yu-Shu Yen, <u>Yi-Ping Chao</u>, Donald Ming-Tak Ho, "Peri-tumoral Fractional Anisotropy Mapping as a Prognosticator and Treatment Guidance of Brain Tumors: A Feasibility Study", *Journal of Medical and Biological Engineering*, Vol. 28:3, pp. 139-145, 2008. (EI)
- 16.<u>Yi-Ping Chao</u>, Jyh-Horng Chen, Kuan-Hung Cho, Chun-Hung Yeh, Kun-Hsien Chou, Ching-Po Lin, "A Multiple Streamline Approach to High Angular Resolution Diffusion Tractography", *Medical Engineering & Physics*, Vol. 30:8, pp. 989-996, 2008. (SCI, Rank: 34/79, Categories: ENGINEERING, BIOMEDICAL)
- **17.**Kuan-Hung Cho, Chun-Hung Yeh, Jacques-Donald Tournier, <u>Yi-Ping Chao</u>, Jyh-Horng Chen, Ching-Po Lin, "Evaluation of the Accuracy and Angular

Resolution of q-ball Imaging", *NeuroImage*, Vol. 42:1, pp. 262-271, 2008. (SCI, Rank: 3/120, Categories: RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING)

- 18. Ching-Po Lin, Pin-Yi Chiang, <u>Yi-Ping Chao</u>, "Developments and Applications of Diffusion Magnetic Resonance Imaging", *Instruments Today*, Vol. 29:5, pp. 22-27, 2008.
- 19. Jyh-Horng Chen, Mei-Yu Hsiao, Der-Yow Chen, <u>Yi-Ping Chao</u>, "The Development and Construction of fMRI Knowledge Center", *Engineering Science & Technology Bulletin, NSC*, Vol. 90, 2007.
- 20.Guo-Zhen Wu, <u>Yi-Ping Chao</u>, and Jenn-Lung Su, "The Evaluation of Methods of Data Mining for Medical Database", *Chung Yuan Journal*, Vol. 30:1, 51-61, 2002.