

## JOURNAL PAPERS

[SCI journal]

**Tzu-Chao Chuang**, Ming-Ting Wu, Teng-Yi Huang, Yi-Ru Lin, Shang-Yueh Tsai, Hing-Chiu Chang, Hsiao-Wen Chung, “Stimulated echo induced misestimates on diffusion tensor indices and its remedy”, *Journal of Magnetic Resonance Imaging*, 31:1522-1529, 2010.

[SCI journal]

**Tzu-Chao Chuang**, Teng-Yi Huang, Fa-Hsuan Lin, Fu-Nien Wang, Chun-Jung Juan, Hsiao-Wen Chung, Cheng-Yu Chen, Kenneth K. Kwong, “PROPELLER-EPI with Parallel Imaging using a circularly symmetric phase array RF coil at 3.0 T: Application to high resolution diffusion tensor imaging”, *Magnetic Resonance in Medicine*, 56:1352-1358, 2006

[SCI journal]

Fu-Nien Wang, Teng-Yi Huang, Fa-Hsuan Lin, **Tzu-Chao Chuang**, Nan-Kuei Chen, Hsiao-Wen Chung, Cheng-Yu Chen, Kenneth K. Kwong, “PROPELLER EPI: An MRI Technique Suitable for Diffusion Tensor Imaging at High Field Strength with Reduced Geometric Distortion”, *Magnetic Resonance in Medicine*, 54:1232-1240, 2005

[EI journal]

**Tzu-Chao Chuang**, Shang-Yueh Tsai, Yi-Lin Chung, Ming-Chung Chou, Chun-Jung Juan, Hsiao-Wen Chung, “Banding Artifacts Along the Frequency-encoding Direction in Multi-echo Magnetic Resonance Imaging: Origin and a Remedy”, *Journal of Medical and Biological Engineering*, 24(2) p69-75, 2004

## CONFERENCE PAPERS

**Chuang TC**, Huang SP, Yang P, Wu MT. “Inter-subject comparison of fractional anisotropy in attention-deficit/hyperactivity disorder”, *Annual Meeting of International Society of Magnetic Resonance in Medicine*, Stockholm, Sweden, 2010

Chang HC, Juan CJ, **Chuang TC**, Liu YJ, Lin CC, Chung HW. “Comparison of applying 1D phase and 2D phase  $N/2$  ghost correction prior to PROPELLER-EPI reconstruction”, *Annual Meeting of International Society of Magnetic Resonance in Medicine*, Stockholm, Sweden, 2010

Chou MC, Cheng YW, Ko CW, **Chuang TC**, FN Wang, TY Huang, Chung HW. “Reduce blurring effects in PROPELLER QBI”, *Annual Meeting of International Society of Magnetic Resonance in Medicine*, Stockholm, Sweden, 2010

Chang HC, Juan CJ, Liu YJ, Lin CC, Shen H, **Chuang TC**, Chung HW. “ZOOM-PROPELLER-EPI: non-axial imaging at small FOV with PROPELLER-EPI”, *Annual Meeting of International Society of Magnetic Resonance in Medicine*, Stockholm, Sweden, 2010

Juan CJ, Chang HC, Hsueh CJ, Liu HS, Chen CY, Chung HW, **Chuang TC**, Kao HW, Huang GS. “Imaging distortion and quantification bias of parotid ADC measurements in EP-DWI and fast spin-echo PROPELLER-DWI”, *Annual Meeting of International Society of Magnetic Resonance in Medicine*, Hololulu, Hawaii, U.S., 2009

Chang LS, Ko CW, Tsai SY, **Chuang TC**, Hsu CY, “The quantitative comparison of doing eddy current correction before and after combination for 1H MRS using phase array coils with LCMoel”, *Annual Meeting of International Society of Magnetic Resonance in Medicine*, Hololulu, Hawaii, U.S., 2009

**Tzu-Chao Chuang**, Teng-Yi Huang, Fu-Nien Wang, Hsiao-Wen Chung. “Advantages of long-axis PROPELLER EPI via  $k$ -space weighting: comparison of point spread function with short-axis PROPELLER EPI”, *Annual Meeting of International Society for Magnetic Resonance in Medicine*,

**Tzu-Chao Chuang**, Fu-Nien Wang, Teng-Yi Huang, Chih-Ching Wu, and Hsiao-Wen Chung. “View-sharing PROPELLER with pixel-based optimal blade selection (POBS) for dynamic contrast-enhanced MRI”, Annual Meeting of International Society for Magnetic Resonance in Medicine, Toronto, Canada, 2008

Fu-Nien Wang, **Tzu-Chao Chuang**, Teng-Yi Huang “PROPELLER EPI Using Asymmetric Blades: A Preliminary Study on Point Spread Function”, Annual Meeting of International Society for Magnetic Resonance in Medicine, Toronto, Canada, 2008.

Fu-Nien Wang, **Tzu-Chao Chuang**, Teng-Yi Huang, Nan-Kuei Chen, Fa-Hsuan Lin, Hsiao-Wen Chung, and Kenneth K. Kwong. “Further investigation on the SNR and de-blurring effect of the weighting window of PROPELLER EPI reconstruction”, Annual Meeting of International Society for Magnetic Resonance in Medicine, Berlin, Germany, 2007

Fu-Nien Wang, Teng-Yi Huang, **Tzu-Chao Chuang**, Fa-Hsuan Lin, Nan-Kuei Chen, Chen-Yu Chen, Hsiao-Wen Chung, and Kenneth K. Kwong. “PROPELLER EPI: Application to ASL Perfusion Imaging using FAIR”, Annual Meeting of International Society for Magnetic Resonance in Medicine, Berlin, Germany, 2007

**Tzu-Chao Chuang**, Teng-Yi Huang, Fu-Nien Wang, Yi-Ru Lin, Kenneth K. Kwong, Hsiao-Wen Chung, “Data-sharing PROPELLER imaging for increased temporal resolution retaining spatial resolution and image contrast”, Abstract no.2954, Annual Meeting of International Society for Magnetic Resonance in Medicine, Seattle, Washington, U.S., 2006

**Tzu-Chao Chuang**, Teng-Yi Huang, Fu-Nien Wang, Fa-Hsuan Lin, Cheng-Wen Ko, Cheng-Yu Chen, Kenneth K. Kwong, Hsiao-Wen Chung, “Image de-blurring of PROPELLER EPI using a k-space weighting scheme”, Abstract no.2955, Annual Meeting of International Society for Magnetic Resonance in Medicine, Seattle, Washington, U.S., 2006

**Tzu-Chao Chuang**, Shang-Yueh Tsai, Yi-Ru Lin, Teng-Yi Huang, Tzu-Cheng Chao, Cheng-Wen Ko, Ming-Ting Wu, Hsiao-Wen Chung, “Stimulated echo induced misestimate on diffusion tensor indices and its remedies”, Abstract no.2382, Annual Meeting of International Society for Magnetic Resonance in Medicine, Seattle, Washington, U.S., 2006

Hsin-Chiu Chang, **Tzu-Chao Chuang**, Teng-Yi Huang, Hsiao-Wen Chung, Cheng-Yu Chen, Fu-Nien Wang, K.K. Kwong, “PROPELLER EPI with Reversed Gradient Method for High Resolution DTI at 3.0T without Field-map Correction”, Abstract no. 1056, Annual Meeting of International Society for Magnetic Resonance in Medicine, Seattle, Washington, U.S., 2006

Hsin-Chiu Chang, Teng-Yi Huang, **Tzu-Chao Chuang**, Hsiao-Wen Chung, Cheng-Yu Chen, “A Modified Reversed Gradient Method using the Displacement Map Concept for Geometric Distortion Correction in EPI”, Abstract no. 2343, Annual Meeting of International Society for Magnetic Resonance in Medicine, Seattle, Washington, U.S., 2006

Yin-Cheng Huang, Teng-Yi Huang, **Tzu-Chao Chuang**, Hsiao-Wen Chung, Cheng-Yu Chen, “Binomial Pulse Suppression to Reduce Ghosting Artifacts in Transient-State bSSFP Imaging”, Abstract no. 2411, Annual Meeting of International Society for Magnetic Resonance in Medicine, Seattle, Washington, U.S., 2006

**Tzu-Chao Chuang**, Teng-Yi Huang, Fa-Hsuan Lin, Fu-Nien Wang, Cheng-Wen Ko, Kenneth K. Kwong, Hsiao-Wen Chung, “PROPELLER EPI with Parallel Imaging on High Resolution DTI at 3T”, Abstract no.9, Annual Meeting of International Society for Magnetic Resonance in Medicine, Miami Beach, Florida, U.S., 2005

*(Oral Presentation)*

**Tzu-Chao Chuang**, Teng-Yi Huang, Cheng-Wen Ko, Yi-Jui Liu, Cheng-Yu Chen, Hsiao-Wen Chung, “Stabilizing Transient-State TrueFISP”, Abstract no.2379, Annual Meeting of International Society for Magnetic Resonance in Medicine, Miami Beach, Florida, U.S., 2005

**Tzu-Chao Chuang**, Teng-Yi Huang, Fa-Hsuan Lin, Fu-Nien Wang, Hsiao-Wen Chung, Cheng-Yu Chen, and Kenneth K. Kwong, “Propeller EPI with SENSE parallel imaging using a circularly symmetric phase array RF coil”, Abstract no.535, Annual Meeting of International Society for Magnetic Resonance in Medicine, Kyoto, Japan, 2004

*(Oral Presentation)*

Teng-Yi Huang, Chao-Ying Wang, **Tzu-Chao Chuang**, Hsiao-Wen Chung, Cheng-Yu Chen, “Transient State TrueFISP”, Abstract no.984, Annual Meeting of International Society for Magnetic Resonance in Medicine, Toronto, Canada, 2003

Wen-Chau Wu, Yi-Jui Liu, **Tzu-Chao Chuang**, Cheng-Yu Chen, Hsiao-Wen Chung, “A Modified Two-Component Model to Evaluate Blood-Brain-Barrier Permeability using Single-Echo Dynamic Contrast-Enhanced T2\*-weighted MR Imaging”, Abstract no.1268, Annual Meeting of International Society for Magnetic Resonance in Medicine, Toronto, Canada, 2003