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Education

School of Medicine, Johns Hopkins University, Ph.D. Biomedical Engineering 2018 - now

Publications

Journal Articles

2018

S Zhang, S Shang, Y Han, C Gu, S Wu, S Liu, G Niu, A Bouakaz, M Wan. 2018. "Ex vivo and in vivo monitoring and characterization of thermal lesions by high-intensity focused ultrasound and microwave ablation using ultrasonic Nakagami imaging." *IEEE Transactions on Medical Imaging* 37(7): 1701–1710.

S Zhang, R Xu, S Shang, Y Han, S Liu, T Xu, C Gu, X Zhu, G Niu, M Wan. 2018. "In vivo monitoring of microwave ablation in a porcine model using ultrasonic differential attenuation coefficient intercept imaging." *International Journal of Hyperthermia*, 34: 1–314.

Conference Proceedings

2019

Adrian G Paez, Suraj Rajan, Grace-Anna Chaney, Xinyuan Miao, Di Cao, Chunming Gu, Dapeng G Liu, Alex Y Pantelyat, Liana I Rosenthal, Zoltan K Mari, Kelly Mills, Ted M Dawson, Peter C. M. van Zijl, Susan S Bassett, David M Yousem, Vidyulata Kamath, and Jun G Hua. 2019. "Olfactory functional MRI (fMRI) using T2-prepared BOLD fMRI at ultra-high field (7T)." *ISMRM*

2018

Gao, Y., C. Gu, J. Kim, M. Cao, J. Fu, A. Kalbasi, D. Ruan et al. 2018. "Treatment Response Prediction Using Texture Features From Longitudinal Diffusion MRI in Sarcoma Patients." *MEDICAL PHYSICS* vol. 45, no. 6, pp. E582-E582.

Y Gao, C Gu, J Kim, M Cao, A Kalbasi, D Ruan, D Low, P Hu, and Y Yang. 2018. "Longitudinal Diffusion MRI for Predicting Response to Radiotherapy in Sarcoma Patients." *ISMRM*

2017

S Zhang, S Shang, Y Han, R Xu, C Gu, L Zhang, S Wu, G Niu, and M Wan. 2017. "In Vivo and Ex Vivo Monitoring of Thermal Ablation in a Porcine Model Using Ultrasonic Nakagami Imaging." *International Society for Therapeutic Ultrasound*