


Liu, Jiaen, Xiaotong Zhang, Sebastian Schmitter, Pierre-Francois Van de Moortele, and Bin He. 2014. Gradient-based electrical properties tomography (gEPT): A robust method for mapping electrical properties of biological tissues in vivo using magnetic resonance imaging. Magnetic Resonance in Medicine (JAN 01).


Mariappan, Leo, Gang Hu, and Bin He. 2014. Magnetoacoustic tomography with magnetic induction for high-resolution bioimpedance imaging through vector source reconstruction under the static field of MRI magnet. Medical Physics 41 (2) (FEB 01).


Sohrabpour, Abbas, Yunfeng Lu, Pongkiat Kankirawatana, Jeffrey Blount, Hyunmi Kim, and Bin He. 2014. Effect of EEG electrode number on epileptic source localization in pediatric patients. Clinical Neurophysiology (JAN 01).

Sun, Junfeng, Yingying Tang, Kelvin O. Lim, Jijun Wang, Shanbao Tong, Hui Li, and Bin He. 2014. Abnormal dynamics of EEG oscillations in schizophrenia patients on multiple time scales. IEEE Transactions on Biomedical Engineering 61 (6) (JAN 01): 1756-64.


Zhang, Clara Huishi, Yunfeng Lu, Benjamin Brinkmann, Kirk Welker, Gregory Worrell, and Bin He. 2014. Lateralization and localization of epilepsy related hemodynamic foci using presurgical fMRI. *Clinical Neurophysiology* (JAN 01).


Zhang, Xiaotong, Pierre-Francois Van De Moortele, Jiaen Liu, Sebastian Schmitter, and Bin He. 2014. Quantitative prediction of radio frequency induced local heating derived from measured magnetic field maps in magnetic resonance imaging: A phantom validation at 7 T. *Applied Physics Letters* 105 (24) (DEC 15).


Lai, Dakun, Jian Sun, Yigang Li, and Bin He. 2013. Usefulness of ventricular endocardial electric reconstruction from body surface potential maps to noninvasively localize ventricular ectopic activity in patients. Physics in Medicine and Biology 58, (11) (JUN 07), 10.1088/0031-9155/58/11/3897.


Mariappan, Leo, and Bin He. 2013. Magnetoacoustic tomography with magnetic induction: Bioimpedance reconstruction through vector source imaging. IEEE Transactions on Medical Imaging 32, (3) (JAN 01), 10.1109/TMI.2013.2239656.

Mariappan, Leo, and Bin He. 2013. MAT-MI for bioimpedance contrast imaging. Journal of Medical Devices. Transactions of the ASME 7 (3) (JUL 03).


Han, Chengzong, Steven M. Pogwizd, Cheryl R. Killingsworth, and Bin He. 2012. Noninvasive reconstruction of the three-dimensional ventricular activation sequence during pacing and ventricular tachycardia in the canine heart. *American Journal of Physiology. Heart and Circulatory Physiology* 302, (1) (JAN 01), 10.1152/ajpheart.00618.2011.


Lu, Yunfeng, Lin Yang, Gregory A. Worrell, Benjamin Brinkmann, Cindy Nelson, and
Bin He
Biomedical Engineering


Zhang, Xiaotong, Shanan Zhu, and Bin He. 2010. Imaging electric properties of biological tissues by RF field mapping in MRI. *IEEE Transactions on Medical Imaging* 29 (2) (FEB): 474-81.
Bin He
Biomedical Engineering