

PEER REVIEWED JOURNAL PUBLICATIONS (my trainees underlined)

- 1 MN Uddin, KC McPhee, G Blevins, **AH Wilman**. *Recovery of accurate T2 from historical 1.5 tesla proton density and T2-weighted images: application to 7-year T2 changes in multiple sclerosis brain*. MRI (accepted Nov 2016).
- 2 E Fujiwara , J Kmech, D Cobzas, H Sun, P Seres, G Blevins, **AH Wilman**. *Cognitive significance of deep grey matter iron accumulation in multiple sclerosis*. AJNR (accepted Dec 2016).
- 3 S Chenji, **AH Wilman**, D Mah, P Seres, A Genge, S Kalra. *Hair product artifact in MRI*. Magn Reson Imag (accepted Aug 25, 2016). doi: 10.1016/j.mri.2016.08.023.
- 4 H Sun, P Seres, **AH Wilman**. *Structural and functional quantitative susceptibility mapping from standard fMRI studies*. NMR in Biomedicine (accepted Aug 17, 2016).
- 5 KC McPhee, **AH Wilman**. *Transverse relaxation and flip angle mapping: evaluation of simultaneous and independent methods using multiple spin echoes*. Magn Reson Med (accepted May 10, 2016). doi: 10.1002/mrm.26285
- 6 AM Elkady, H Sun, **AH Wilman**. *Importance of extended spatial coverage for quantitative susceptibility mapping of iron-rich deep grey matter*. Magn Reson Imaging. 34:574-578 (2016). doi: 10.1016/j.mri.2015.12.032.
- 7 MN Uddin, RM Lebel, P Seres, G Blevins, **AH Wilman**. *Spin echo transverse relaxation and atrophy in multiple sclerosis deep grey matter: a 2-year longitudinal study*. MS Journal 22:1133-43 (2016).
- 8 MN Uddin, RM Lebel, **AH Wilman**, *Value of transverse relaxation difference methods for iron in human brain*. Magn Reson Imag 34:51-59(2016). doi: 10.1016/j.mri.2015.09.002
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- 10 KC McPhee, **AH Wilman**. *T2 Quantification from Only Proton Density and T2-Weighted MRI by Modelling Actual Refocusing Angles*. NeuroImage 118:642-650 (2015). doi: 10.1016/j.neuroimage.2015.05.079
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- 12 H Sun, A Walsh, RM Lebel, G Blevins, I Catz, JQ Lu, ES Johnson, DJ Emery, KG Warren, **AH Wilman**. *Validation of quantitative susceptibility mapping with Perls' iron staining for subcortical gray matter*. Neuroimage 105: 486-92 (2014). doi: 10.1016/j.neuroimage.2014.11.010.
- 13 H Sun, **AH Wilman**. *Quantitative Susceptibility Mapping using Single Shot Echo Planar Imaging*. Magn Reson Med 73: 1932-8 (2014). doi: 10.1002/mrm.25316.

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