Peter T While

List of Publications by Year
in descending order

18	335	759233 12	839539 18
papers	citations	h-index	g-index

19	19	19	421
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved unsupervised physicsâ€informed deep learning for intravoxel incoherent motion modeling and evaluation in pancreatic cancer patients. Magnetic Resonance in Medicine, 2021, 86, 2250-2265.	3.0	41
2	Neural networks for parameter estimation in microstructural MRI: Application to a diffusion-relaxation model of white matter. NeuroImage, 2021, 244, 118601.	4.2	20
3	Accuracy of breast cancer lesion classification using intravoxel incoherent motion diffusionâ€weighted imaging is improved by the inclusion of global or local prior knowledge with bayesian methods. Journal of Magnetic Resonance Imaging, 2019, 50, 1478-1488.	3.4	18
4	Insertable biplanar gradient coils for magnetic resonance microscopy: theoretical minimization of power dissipation for different fabrication methods. Biomedical Physics and Engineering Express, 2018, 4, 035019.	1.2	6
5	Relative enhanced diffusivity: noise sensitivity, protocol optimization, and the relation to intravoxel incoherent motion. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 425-438.	2.0	11
6	A comparative simulation study of bayesian fitting approaches to intravoxel incoherent motion modeling in diffusionâ€weighted MRI. Magnetic Resonance in Medicine, 2017, 78, 2373-2387.	3.0	61
7	Magnetic Lenz lenses improve the limit-of-detection in nuclear magnetic resonance. PLoS ONE, 2017, 12, e0182779.	2.5	19
8	Novel selective TOCSY method enables NMR spectral elucidation of metabolomic mixtures. Journal of Magnetic Resonance, 2016, 272, 147-157.	2.1	18
9	Theoretical design of gradient coils with minimum power dissipation: Accounting for the discretization of current density into coil windings. Journal of Magnetic Resonance, 2013, 235, 85-94.	2.1	15
10	Minimum maximum temperature gradient coil design. Magnetic Resonance in Medicine, 2013, 70, 584-594.	3.0	15
11	Equi-flux streamline seeding for three-dimensional vector fields. Journal of Engineering Mathematics, 2012, 76, 81-100.	1.2	2
12	Minimax current density gradient coils: Analysis of coil performance and heating. Magnetic Resonance in Medicine, 2012, 68, 639-648.	3.0	23
13	Designing gradient coils with reduced hot spot temperatures. Journal of Magnetic Resonance, 2010, 203, 91-99.	2.1	15
14	3D gradient coil design for open MRI systems. Journal of Magnetic Resonance, 2010, 207, 124-133.	2.1	12
15	3-D Gradient Coil Designâ€"Initial Theoretical Framework. IEEE Transactions on Biomedical Engineering, 2009, 56, 1169-1183.	4.2	16
16	3D Gradient coil design â€“ Toroidal surfaces. Journal of Magnetic Resonance, 2009, 198, 31-40.	2.1	14
17	An analytical approach to the design of quiet cylindrical asymmetric gradient coils in MRI. Concepts in Magnetic Resonance Part B, 2007, 31B, 218-236.	0.7	17
18	Electromagnetic fields in the human body due to switched transverse gradient coils in MRI. Physics in Medicine and Biology, 2004, 49, 2779-2798.	3.0	10