

Peter T While

List of Publications by Year in descending order

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18
papers

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759233

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839539

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19
times ranked

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citing authors

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