

Thomas O'Reilly

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

182
citations

1478505
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1588992
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8
all docs

8
docs citations

8
times ranked

155
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo 3D brain and extremity MRI at 50 mT using a permanent magnet Halbach array. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 495-505.	3.0	81
2	In vivo T_1 and T_2 relaxation time maps of brain tissue, skeletal muscle, and lipid measured in healthy volunteers at 50 mT. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 884-895.	3.0	23
3	Deconstructing and reconstructing MRI hardware. <i>Journal of Magnetic Resonance</i> , 2019, 306, 134-138.	2.1	21
4	Gradient Coil Design and Realization for a Halbach-Based MRI System. <i>IEEE Transactions on Magnetics</i> , 2020, 56, 1-8.	2.1	17
5	Image distortion correction for MRI in low field permanent magnet systems with strong B_0 inhomogeneity and gradient field nonlinearities. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 631-642.	2.0	17
6	Improving the field homogeneity of fixed- and variable-diameter discrete Halbach magnet arrays for MRI via optimization of the angular magnetization distribution. <i>Journal of Magnetic Resonance</i> , 2021, 324, 106923.	2.1	17
7	Proton nuclear magnetic resonance J-spectroscopy of phantoms containing brain metabolites on a portable 0.05T MRI scanner. <i>Journal of Magnetic Resonance</i> , 2020, 320, 106834.	2.1	5
8	Very low field ^{19}F MRI of perfluoro-octylbromide: Minimizing chemical shift effects and signal loss due to scalar coupling. <i>Journal of Magnetic Resonance</i> , 2021, 325, 106946.	2.1	1