

Sebastian Littin

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

233
citations

1040056

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996975

15
g-index

15
all docs

15
docs citations

15
times ranked

265
citing authors

#	ARTICLE	IF	CITATIONS
1	CoilGen: Open-source MR coil layout generator. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1465-1479.	3.0	4
2	Methods: Of Stream Functions and Thin Wires: An Intuitive Approach to Gradient Coil Design. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	1
3	Design of a high-performance non-linear gradient coil for diffusion weighted MRI of the breast. <i>Journal of Magnetic Resonance</i> , 2021, 331, 107052.	2.1	5
4	Design of a shim coil array matched to the human brain anatomy. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1442-1457.	3.0	12
5	Clinical Potential of a New Approach to MRI Acceleration. <i>Scientific Reports</i> , 2019, 9, 1912.	3.3	8
6	Switching Circuit Optimization for Matrix Gradient Coils. <i>Tomography</i> , 2019, 5, 248-259.	1.8	4
7	Optimization of Coil Element Configurations for a Matrix Gradient Coil. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 284-292.	8.9	10
8	Development and implementation of an 84-channel matrix gradient coil. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1181-1191.	3.0	42
9	Pulseq: A rapid and hardware-independent pulse sequence prototyping framework. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1544-1552.	3.0	66
10	Design of a shielded coil element of a matrix gradient coil. <i>Journal of Magnetic Resonance</i> , 2017, 281, 217-228.	2.1	22
11	Trajectory optimization based on the signal-to-noise ratio for spatial encoding with nonlinear encoding fields. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 104-117.	3.0	9
12	Performance evaluation of matrix gradient coils. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 59-73.	2.0	15
13	Monoplanar gradient system for imaging with nonlinear gradients. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 447-457.	2.0	8
14	Stages: Sub-Fourier dynamic shim updating using nonlinear magnetic field phase preparation. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 57-66.	3.0	9
15	Excitation and geometrically matched local encoding of curved slices. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1317-1325.	3.0	18