Sebastian Littin

List of Publications by Year
in descending order

15 papers	233 citations	1040056 9 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	265 citing authors

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