Zhipeng Cao

List of Publications by Year
in descending order

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14 papers	249 citations	1040056 9 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	333 citing authors

#	Article	IF	Citations
1	Robust RF shimming and smallâ€tipâ€angle multispoke pulse design with finiteâ€difference regularization. Magnetic Resonance in Medicine, 2021, 86, 1472-1481.	3.0	6
2	Designing parallel transmit head coil arrays based on radiofrequency pulse performance. Magnetic Resonance in Medicine, 2020, 83, 2331-2342.	3.0	9
3	Lowâ€rank plus sparse compressed sensing for accelerated proton resonance frequency shift MR temperature imaging. Magnetic Resonance in Medicine, 2019, 81, 3555-3566.	3.0	7
4	Machine learning RF shimming: Prediction by iteratively projected ridge regression. Magnetic Resonance in Medicine, 2018, 80, 1871-1881.	3.0	25
5	Ratioâ€adjustable power splitters for arrayâ€compressed parallel transmission. Magnetic Resonance in Medicine, 2018, 79, 2422-2431.	3.0	8
6	Joint design of largeâ€tipâ€angle parallel RF pulses and blipped gradient trajectories. Magnetic Resonance in Medicine, 2016, 75, 1198-1208.	3.0	25
7	Experimental implementation of arrayâ€compressed parallel transmission at 7 tesla. Magnetic Resonance in Medicine, 2016, 75, 2545-2552.	3.0	11
8	Arrayâ€compressed parallel transmit pulse design. Magnetic Resonance in Medicine, 2016, 76, 1158-1169.	3.0	21
9	gr-MRI: A software package for magnetic resonance imaging using software defined radios. Journal of Magnetic Resonance, 2016, 270, 47-55.	2.1	25
10	Simulation Verification of SNR and Parallel Imaging Improvements by ICE-Decoupled Loop Array in MRI. Applied Magnetic Resonance, 2016, 47, 395-403.	1.2	11
11	Numerical evaluation of image homogeneity, signal-to-noise ratio, and specific absorption rate for human brain imaging at 1.5, 3, 7, 10.5, and 14T in an 8-channel transmit/receive array. Journal of Magnetic Resonance Imaging, 2015, 41, 1432-1439.	3.4	42
12	Complex difference constrained compressed sensing reconstruction for accelerated PRF thermometry with application to MRIâ€induced RF heating. Magnetic Resonance in Medicine, 2015, 73, 1420-1431.	3.0	19
13	Bloch-based MRI system simulator considering realistic electromagnetic fields for calculation of signal, noise, and specific absorption rate. Magnetic Resonance in Medicine, 2014, 72, 237-247.	3.0	36
14	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si48.gif" overflow="scroll"><mml:mrow><mml:mo stretchy="false">|</mml:mo><mml:msubsup><mml:mrow><mml:mi>B</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msubsup><mml:mo stretchy="false">|</mml:mo></mml:mrow></mml:math>-selective excitation pulse design using the Shinnarâ€“Le Roux algorithm. Journal of Magnetic Resonance, 2014, 242, 189-196.	2.1	4