Xiaodong Zhong

List of Publications by Year
in descending order

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25 papers	762 citations	687363 13 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1130 citing authors

#	Article	IF	Citations
1	Liver fat quantification using a multiâ€step adaptive fitting approach with multiâ€echo GRE imaging. Magnetic Resonance in Medicine, 2014, 72, 1353-1365.	3.0	176
2	Imaging threeâ€dimensional myocardial mechanics using navigatorâ€gated volumetric spiral cine DENSE MRI. Magnetic Resonance in Medicine, 2010, 64, 1089-1097.	3.0	154
3	Quantification of Hepatic Steatosis With a Multistep Adaptive Fitting MRI Approach: Prospective Validation Against MR Spectroscopy. American Journal of Roentgenology, 2015, 204, 297-306.	2.2	77
4	Tracking brain motion during the cardiac cycle using spiral cine-DENSE MRI. Medical Physics, 2009, 36, 3413-3419.	3.0	46
5	Interexamination repeatability and spatial heterogeneity of liver iron and fat quantification using MRIâ€based multistep adaptive fitting algorithm. Journal of Magnetic Resonance Imaging, 2015, 42, 1281-1290.	3.4	42
6	3D Multiecho Dixon for the Evaluation of Hepatic Iron and Fat in a Clinical Setting. Journal of Magnetic Resonance Imaging, 2017, 46, 793-800.	3.4	40
7	Selective suppression of artifact-generating echoes in cine DENSE using through-plane dephasing. Magnetic Resonance in Medicine, 2006, 56, 1126-1131.	3.0	38
8	Regional Quantification of Brain Tissue Strain Using Displacement-Encoding With Stimulated Echoes Magnetic Resonance Imaging. Journal of Biomechanical Engineering, 2018, 140, .	1.3	24
9	Semi-automated left ventricular segmentation based on a guide point model approach for 3D cine DENSE cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 8.	3.3	21
10	Evaluation of the impact of strain correction on the orientation of cardiac diffusion tensors with in vivo and ex vivo porcine hearts. Magnetic Resonance in Medicine, 2018, 79, 2205-2215.	3.0	18
11	Freeâ€breathing multitasking multiâ€echo MRI for wholeâ€liver waterâ€specific T₁, proton density fat fraction, and quantification. Magnetic Resonance in Medicine, 2022, 87, 120-137.	3.0	16
12	Effect of respiratory motion on freeâ€breathing 3D stackâ€ofâ€radial liver relaxometry and improved quantification accuracy using selfâ€gating. Magnetic Resonance in Medicine, 2020, 83, 1964-1978.	3.0	15
13	Accuracy of cardiacâ€induced brain motion measurement using displacementâ€encoding with stimulated echoes (DENSE) magnetic resonance imaging (MRI): A phantom study. Magnetic Resonance in Medicine, 2021, 85, 1237-1247.	3.0	15
14	Freeâ€Breathing Volumetric Liver and Proton Density Fat Fraction Quantification in Pediatric Patients Using Stackâ€ofâ€Radial MRI With Selfâ€Gating Motion Compensation. Journal of Magnetic Resonance Imaging, 2021, 53, 118-129.	3.4	13
15	Noninvasive Assessment of Intracranial Pressure Status in Idiopathic Intracranial Hypertension Using Displacement Encoding with Stimulated Echoes (DENSE) MRI: A Prospective Patient Study with Contemporaneous CSF Pressure Correlation. American Journal of Neuroradiology, 2018, 39, 311-316.	2.4	12
16	In Vivo Quantification of Regional Circumferential Green Strain in the Thoracic and Abdominal Aorta by Two-Dimensional Spiral Cine DENSE MRI. Journal of Biomechanical Engineering, 2019, 141, .	1.3	12
17	Correlation between incidental fat deposition in the liver and pancreas in asymptomatic individuals. Abdominal Radiology, 2020, 45, 203-210.	2.1	9
18	Free-breathing 3D stack-of-radial MRI quantification of liver fat and R2* in adults with fatty liver disease. Magnetic Resonance Imaging, 2022, 85, 141-152.	1.8	7

#	Article	IF	Citations
19	Hepatic Iron Quantification Using a <scp>Freeâ€Breathing 3D</scp> Radial Gradient Echo Technique and Validation With a <scp>2D</scp> Biopsyâ€Calibrated <scp>R₂</scp>[*] Relaxometry Method. Journal of Magnetic Resonance Imaging, 2022, 55, 1407-1416.	3.4	6
20	Effects of proximity and noise level of phased array coil elements on overall signal-to-noise in parallel MR spectroscopy. Magnetic Resonance Imaging, 2018, 47, 125-130.	1.8	4
21	Simultaneous perfusion and permeability assessments using multiband multiâ€echo EPI (M2â€EPI) in brain tumors. Magnetic Resonance in Medicine, 2019, 81, 1755-1768.	3.0	4
22	Optimized truncation to integrate multiâ€channel MRS data using rankâ€R singular value decomposition. NMR in Biomedicine, 2020, 33, e4297.	2.8	4
23	Deep Learning-Based Parameter Mapping With Uncertainty Estimation For Fat Quantification Using Accelerated Free-Breathing Radial MRI. , 2021, 2021, 433-437.		4
24	Accelerated kâ€space shift calibration for freeâ€breathing stackâ€ofâ€radial MRI quantification of liver fat and. Magnetic Resonance in Medicine, 2022, 87, 281-291.	3.0	3
25	Improved accuracy of apparent diffusion coefficient quantification using a fully automatic noise bias compensation method: Preliminary evaluation in prostate diffusion weighted imaging. Journal of Magnetic Resonance, 2019, 305, 22-30.	2.1	2