

# Xiaodong Zhong

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

762  
citations

687363

13  
h-index

610901

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g-index

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docs citations

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times ranked

1130  
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#	ARTICLE	IF	CITATIONS
1	Accelerated k-space shift calibration for free-breathing stack-of-radial MRI quantification of liver fat and. Magnetic Resonance in Medicine, 2022, 87, 281-291.	3.0	3
2	Free-breathing multitasking multi-echo MRI for whole-liver water-specific T <sub>1</sub> , proton density fat fraction, and quantification. Magnetic Resonance in Medicine, 2022, 87, 120-137.	3.0	16
3	Hepatic Iron Quantification Using a Free-Breathing 3D Radial Gradient Echo Technique and Validation With a 2D Biopsy-Calibrated R <sub>2</sub> * Relaxometry Method. Journal of Magnetic Resonance Imaging, 2022, 55, 1407-1416.	3.4	6
4	Free-breathing 3D stack-of-radial MRI quantification of liver fat and R <sub>2</sub> * in adults with fatty liver disease. Magnetic Resonance Imaging, 2022, 85, 141-152.	1.8	7
5	Free-Breathing Volumetric Liver and Proton Density Fat Fraction Quantification in Pediatric Patients Using Stack-of-Radial MRI With Self-Gating Motion Compensation. Journal of Magnetic Resonance Imaging, 2021, 53, 118-129.	3.4	13
6	Accuracy of cardiac-induced brain motion measurement using displacement-encoding with stimulated echoes (DENSE) magnetic resonance imaging (MRI): A phantom study. Magnetic Resonance in Medicine, 2021, 85, 1237-1247.	3.0	15
7	Deep Learning-Based Parameter Mapping With Uncertainty Estimation For Fat Quantification Using Accelerated Free-Breathing Radial MRI. , 2021, 2021, 433-437.		4
8	Correlation between incidental fat deposition in the liver and pancreas in asymptomatic individuals. Abdominal Radiology, 2020, 45, 203-210.	2.1	9
9	Effect of respiratory motion on free-breathing 3D stack-of-radial liver relaxometry and improved quantification accuracy using self-gating. Magnetic Resonance in Medicine, 2020, 83, 1964-1978.	3.0	15
10	Optimized truncation to integrate multi-channel MRS data using rank-R singular value decomposition. NMR in Biomedicine, 2020, 33, e4297.	2.8	4
11	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
12	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
13	Simultaneous perfusion and permeability assessments using multiband multi-echo EPI (M <sub>2</sub> -EPI) in brain tumors. Magnetic Resonance in Medicine, 2019, 81, 1755-1768.	3.0	4
14	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
15	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
16	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
17	Regional Quantification of Brain Tissue Strain Using Displacement-Encoding With Stimulated Echoes Magnetic Resonance Imaging. Journal of Biomechanical Engineering, 2018, 140, .	1.3	24
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Interexamination repeatability and spatial heterogeneity of liver iron and fat quantification using MRI-based multistep adaptive fitting algorithm. Journal of Magnetic Resonance Imaging, 2015, 42, 1281-1290.	3.4	42
21	Liver fat quantification using a multi-step adaptive fitting approach with multi-echo GRE imaging. Magnetic Resonance in Medicine, 2014, 72, 1353-1365.	3.0	176
22	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
23	Imaging three-dimensional myocardial mechanics using navigator-gated volumetric spiral cine DENSE MRI. Magnetic Resonance in Medicine, 2010, 64, 1089-1097.	3.0	154
24	Tracking brain motion during the cardiac cycle using spiral cine-DENSE MRI. Medical Physics, 2009, 36, 3413-3419.	3.0	46
25	Selective suppression of artifact-generating echoes in cine DENSE using through-plane dephasing. Magnetic Resonance in Medicine, 2006, 56, 1126-1131.	3.0	38