

# Yue Zhang

## List of Publications by Year in descending order

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16  
papers

185  
citations

1040056

9  
h-index

1125743

13  
g-index

18  
all docs

18  
docs citations

18  
times ranked

256  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer-aided quantification of non-contrast 3D black blood MRI as an efficient alternative to reference standard manual CT angiography measurements of abdominal aortic aneurysms. <i>European Journal of Radiology</i> , 2021, 134, 109396.	2.6	3
2	Deep learning based fully automatic segmentation of the left ventricular endocardium and epicardium from cardiac cine MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 1600-1612.	2.0	14
3	A kinematic model-based analysis framework for 3D Cine-MR validation with an axially compressed gel phantom and application in sheep before and after antero-apical myocardial infarction. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2105-2121.	3.0	0
4	Finite-element based optimization of left ventricular passive stiffness in normal volunteers and patients after myocardial infarction: Utility of an inverse deformation gradient calculation of regional diastolic strain. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 119, 104431.	3.1	12
5	A finite element model of the cardiac ventricles with coupled circulation: Biventricular mesh generation with hexahedral elements, airbags and a functional mockup interface to the circulation. <i>Computers in Biology and Medicine</i> , 2021, 137, 104840.	7.0	4
6	Left ventricular geometry during unloading and the end-systolic pressure volume relationship: Measurement with a modified real-time MRI-based method in normal sheep. <i>PLoS ONE</i> , 2020, 15, e0234896.	2.5	3
7	A Novel MRI-Based Finite Element Modeling Method for Calculation of Myocardial Ischemia Effect in Patients With Functional Mitral Regurgitation. <i>Frontiers in Physiology</i> , 2020, 11, 158.	2.8	9
8	Mechanical effects of MitraClip on leaflet stress and myocardial strain in functional mitral regurgitation – A finite element modeling study. <i>PLoS ONE</i> , 2019, 14, e0223472.	2.5	19
9	Shape-appearance constrained segmentation and separation of vein and artery in pulsatile tinnitus patients based on MR angiography and flow MRI. <i>Magnetic Resonance Imaging</i> , 2019, 61, 187-195.	1.8	3
10	Towards optimal flow diverter porosity for the treatment of intracranial aneurysm. <i>Journal of Biomechanics</i> , 2019, 82, 20-27.	2.1	19
11	Fully automatic segmentation of 4D MRI for cardiac functional measurements. <i>Medical Physics</i> , 2019, 46, 180-189.	3.0	24
12	Ischemic Mitral Regurgitation: Abnormal Strain Overestimates Nonviable Myocardium. <i>Annals of Thoracic Surgery</i> , 2018, 105, 1754-1761.	1.3	12
13	Segmentation of lumen and outer wall of abdominal aortic aneurysms from 3D black-blood MRI with a registration based geodesic active contour model. <i>Medical Image Analysis</i> , 2017, 40, 1-10.	11.6	30
14	Lattice Boltzmann method for modelling of biological phenomena. , 2017, , .		5
15	Intracranial Aneurysm Phantom Segmentation Using a 4D Lattice Boltzmann Method. <i>Computing in Science and Engineering</i> , 2017, 19, 56-67.	1.2	8
16	Multilevel segmentation of intracranial aneurysms in CT angiography images. <i>Medical Physics</i> , 2016, 43, 1777-1786.	3.0	20