Yue Zhang

List of Publications by Year
in descending order

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