Qian Tao

List of Publications by Year
in descending order

49 papers	6,458 citations	331538 21 h-index	233338 45 g-index
50 all docs	50 docs citations	50 times ranked	12868 citing authors

#	Article	IF	Citations
1	Cardiovascular Magnetic Resonance for Patients With COVID-19. JACC: Cardiovascular Imaging, 2022, 15, 685-699.	2.3	79
2	Deep Recursive Embedding for High-Dimensional Data. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 1237-1248.	2.9	3
3	Multielectrode Unipolar Voltage Mapping and Electrogram Morphology to Identify Post-Infarct Scar Geometry. JACC: Clinical Electrophysiology, 2022, 8, 437-449.	1.3	4
4	Fully Automated 3D Vestibular Schwannoma Segmentation with and without Gadolinium-based Contrast Material: A Multicenter, Multivendor Study. Radiology: Artificial Intelligence, 2022, 4, .	3.0	11
5	A global benchmark of algorithms for segmenting the left atrium from late gadolinium-enhanced cardiac magnetic resonance imaging. Medical Image Analysis, 2021, 67, 101832.	7.0	150
6	Mini-, Micro-, and Conventional Electrodes. JACC: Clinical Electrophysiology, 2021, 7, 197-205.	1.3	12
7	Identification of cardiovascular abnormalities by multiparametric magnetic resonance imaging in end-stage renal disease patients with preserved left ventricular ejection fraction. European Radiology, 2021, 31, 7098-7109.	2.3	5
8	Renal sinus fat volume in type 2 diabetes mellitus is associated with glycated hemoglobin and metabolic risk factors. Journal of Diabetes and Its Complications, 2021, 35, 107973.	1.2	16
9	Deep Learning for Quantitative Cardiac MRI. American Journal of Roentgenology, 2020, 214, 529-535.	1.0	20
10	MRI Manufacturer Shift and Adaptation: Increasing the Generalizability of Deep Learning Segmentation for MR Images Acquired with Different Scanners. Radiology: Artificial Intelligence, 2020, 2, e190195.	3.0	30
11	Cardiac Involvement in Patients Recovered From COVID-2019 Identified Using Magnetic Resonance Imaging. JACC: Cardiovascular Imaging, 2020, 13, 2330-2339.	2.3	440
12	RV Tissue Heterogeneity on CT. JACC: Clinical Electrophysiology, 2020, 6, 1073-1085.	1.3	6
13	Pressure-flow curve derived from coronary CT angiography for detection of significant hemodynamic stenosis. European Radiology, 2020, 30, 4347-4355.	2.3	3
14	Temporally coherent cardiac motion tracking from cine MRI: Traditional registration method and modern CNN method. Medical Physics, 2020, 47, 4189-4198.	1.6	11
15	Correlation of Chest CT and RT-PCR Testing for Coronavirus Disease 2019 (COVID-19) in China: A Report of 1014 Cases. Radiology, 2020, 296, E32-E40.	3.6	4,400
16	Novel artificial neural network and linear regression based equation for estimating visceral adipose tissue volume. Clinical Nutrition, 2020, 39, 3182-3188.	2.3	9
17	The Challenge of Automated Analysis of Myocardial Perfusion MRI: Is It Ready for Prime Time?. Journal of Magnetic Resonance Imaging, 2020, 51, 1697-1698.	1.9	1
18	Serial Quantitative Chest CT Assessment of COVID-19: A Deep Learning Approach. Radiology: Cardiothoracic Imaging, 2020, 2, e200075.	0.9	330

#	ARTICLE	IF	CITATIONS
19	Left Ventricular Entropy Is a Novel Predictor of Arrhythmic Events in Patients With Dilated Cardiomyopathy Receiving Defibrillators for PrimaryÂPrevention. JACC: Cardiovascular Imaging, 2019, 12, 1177-1184.	2.3	37
20	Multisize Electrodes for SubstrateÂIdentification in IschemicÂCardiomyopathy. JACC: Clinical Electrophysiology, 2019, 5, 1130-1140.	1.3	23
21	Cine MRI analysis by deep learning of optical flow: Adding the temporal dimension. Computers in Biology and Medicine, 2019, 111, 103356.	3.9	14
22	Edge-Guided Output Adaptor: Highly Efficient Adaptation Module for Cross-Vendor Medical Image Segmentation. IEEE Signal Processing Letters, 2019, 26, 1593-1597.	2.1	27
23	MRI native T1 and T2 mapping of myocardial segments in hypertrophic cardiomyopathy: tissue remodeling manifested prior to structure changes. British Journal of Radiology, 2019, 92, 20190634.	1.0	32
24	Late effects of pediatric hematopoietic stem cell transplantation on left ventricular function, aortic stiffness and myocardial tissue characteristics. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 6.	1.6	7
25	Association of cardiovascular magnetic resonance-derived circumferential strain parameters with the risk of ventricular arrhythmia and all-cause mortality in patients with prior myocardial infarction and primary prevention implantable cardioverter defibrillator. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 28.	1.6	9
26	Entropy as a Novel Measure of Myocardial Tissue Heterogeneity for Prediction of Ventricular Arrhythmias and Mortality in Post-Infarct Patients. JACC: Clinical Electrophysiology, 2019, 5, 480-489.	1.3	40
27	Fully automated segmentation of the left atrium, pulmonary veins, and left atrial appendage from magnetic resonance angiography by jointâ€atlasâ€optimization. Medical Physics, 2019, 46, 2074-2084.	1.6	7
28	Predicting Atrial Fibrillation from Automated Measurements of Left Atrial Volume Using Routine Chest CT Examination: Overlooked and Underrecognized Risk Factors. Radiology: Cardiothoracic Imaging, 2019, 1, e190217.	0.9	1
29	Deep Learningâ€"based Method for Fully Automatic Quantification of Left Ventricle Function from Cine MR Images: A Multivendor, Multicenter Study. Radiology, 2019, 290, 81-88.	3.6	152
30	Whole human heart histology to validate electroanatomical voltage mapping in patients with non-ischaemic cardiomyopathy and ventricular tachycardia. European Heart Journal, 2018, 39, 2867-2875.	1.0	113
31	High spatial resolution free-breathing 3D late gadolinium enhancement cardiac magnetic resonance imaging in ischaemic and non-ischaemic cardiomyopathy: quantitative assessment of scar mass and image quality. European Radiology, 2018, 28, 4027-4035.	2.3	21
32	Targeting the Hidden Substrate Unmasked by Right Ventricular Extrastimulation Improves Ventricular Tachycardia Ablation Outcome After Myocardial Infarction. JACC: Clinical Electrophysiology, 2018, 4, 316-327.	1.3	42
33	Robust motion correction for myocardial T₁ and extracellular volume mapping by principle component analysisâ€based groupwise image registration. Journal of Magnetic Resonance Imaging, 2018, 47, 1397-1405.	1.9	18
34	A Multi-Scope Convolutional Neural Network for Automatic Left Ventricle Segmentation from Magnetic Resonance Images: Deep-Learning at Multiple Scopes. , 2018, , .		3
35	Dynamical anchoring of distant arrhythmia sources by fibrotic regions via restructuring of the activation pattern. PLoS Computational Biology, 2018, 14, e1006637.	1.5	22
36	Algorithms for left atrial wall segmentation and thickness â€" Evaluation on an open-source CT and MRI image database. Medical Image Analysis, 2018, 50, 36-53.	7.0	40

#	ARTICLE	IF	CITATIONS
37	Fully-automatic left ventricular segmentation from long-axis cardiac cine MR scans. Medical Image Analysis, 2017, 39, 44-55.	7.0	23
38	Fully automatic segmentation of left atrium and pulmonary veins in late gadoliniumâ€enhanced MRI: Towards objective atrial scar assessment. Journal of Magnetic Resonance Imaging, 2016, 44, 346-354.	1.9	37
39	Automated left ventricle segmentation in late gadolinium-enhanced MRI for objective myocardial scar assessment. Journal of Magnetic Resonance Imaging, 2015, 42, 390-399.	1.9	33
40	Super-resolution reconstruction of late gadolinium-enhanced MRI for improved myocardial scar assessment. Journal of Magnetic Resonance Imaging, 2015, 42, 160-167.	1.9	14
41	Preprocedural magnetic resonance imaging for image-guided catheter ablation of scar-related ventricular tachycardia. International Journal of Cardiovascular Imaging, 2015, 31, 369-377.	0.7	12
42	CMRâ€"Based Identification of Critical Isthmus Sites of Ischemic and NonischemicÂVentricular Tachycardia. JACC: Cardiovascular Imaging, 2014, 7, 774-784.	2.3	97
43	Myocardial scar identification based on analysis of Lookâ€"Locker and 3D late gadolinium enhanced MRI. International Journal of Cardiovascular Imaging, 2014, 30, 925-34.	0.7	2
44	Combining magnetic resonance late gadolinium enhanced and Look-Locker sequences for myocardial scar characterization. , 2013, , .		0
45	Model-based alignment of Look-Locker MRI sequences for calibrated myocardical scar tissue quantification. , 2013, , .		4
46	Improved Myocardial Scar Characterization by Super-Resolution Reconstruction in Late Gadolinium Enhanced MRI. Lecture Notes in Computer Science, 2013, 16, 147-154.	1.0	2
47	Toward Magnetic Resonanceâ€Guided Electroanatomical Voltage Mapping for Catheter Ablation of Scarâ€Related Ventricular Tachycardia: A Comparison of Registration Methods. Journal of Cardiovascular Electrophysiology, 2012, 23, 74-80.	0.8	25
48	Automated segmentation of myocardial scar in late enhancement MRI using combined intensity and spatial information. Magnetic Resonance in Medicine, 2010, 64, 586-594.	1.9	71
49	Left ventricular thrombus after acute ST-segment elevation myocardial infarction: multi-parametric cardiac magnetic resonance imaging with long-term outcomes. International Journal of Cardiovascular Imaging, 0, , 1.	0.2	0