

Hui Xue

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,282
citations

331259

21
h-index

288905

40
g-index

40
all docs

40
docs citations

40
times ranked

3155
citing authors

#	ARTICLE	IF	CITATIONS
1	Patterns of myocardial injury in recovered troponin-positive COVID-19 patients assessed by cardiovascular magnetic resonance. <i>European Heart Journal</i> , 2021, 42, 1866-1878.	1.0	274
2	Opportunities in Interventional and Diagnostic Imaging by Using High-Performance Low-Field-Strength MRI. <i>Radiology</i> , 2019, 293, 384-393.	3.6	224
3	Extracellular volume fraction mapping in the myocardium, part 2: initial clinical experience. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 61.	1.6	223
4	Motion correction for myocardial T1 mapping using image registration with synthetic image estimation. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1644-1655.	1.9	187
5	Myocardial perfusion cardiovascular magnetic resonance: optimized dual sequence and reconstruction for quantification. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 43.	1.6	185
6	Automated Pixel-Wise Quantitative Myocardial Perfusion Mapping by CMR to Detect Obstructive Coronary Artery Disease and Coronary Microvascular Dysfunction. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1958-1969.	2.3	140
7	COVID-19. <i>Circulation</i> , 2020, 142, 1120-1122.	1.6	126
8	Fully quantitative cardiovascular magnetic resonance myocardial perfusion ready for clinical use: a comparison between cardiovascular magnetic resonance imaging and positron emission tomography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 78.	1.6	110
9	The Prognostic Significance of Quantitative Myocardial Perfusion: An Artificial Intelligence Based Approach Using Perfusion Mapping. <i>Circulation</i> , 2020, 141, 1282-1291.	1.6	100
10	Phase-sensitive inversion recovery for myocardial T_1 mapping with motion correction and parametric fitting. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1408-1420.	1.9	90
11	ISMRM Raw data format: A proposed standard for MRI raw datasets. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 411-421.	1.9	59
12	Real-time distortion correction of spiral and echo planar images using the gradient system impulse response function. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2278-2285.	1.9	56
13	Fully automated, inline quantification of myocardial blood flow with cardiovascular magnetic resonance: repeatability of measurements in healthy subjects. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 48.	1.6	54
14	Distributed MRI reconstruction using gadgetron-based cloud computing. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1015-1025.	1.9	50
15	Females have higher myocardial perfusion, blood volume and extracellular volume compared to males in an adenosine stress cardiovascular magnetic resonance study. <i>Scientific Reports</i> , 2020, 10, 10380.	1.6	39
16	Quantitative Myocardial Perfusion in Fabry Disease. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008872.	1.3	32
17	Automated Inline Analysis of Myocardial Perfusion MRI with Deep Learning. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e200009.	3.0	32
18	Unsupervised Inline Analysis of Cardiac Perfusion MRI. <i>Lecture Notes in Computer Science</i> , 2009, 12, 741-749.	1.0	31

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19	Automatic inline quantitative myocardial perfusion mapping: Processing algorithm and implementation. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 712-730.	1.9	27
20	Inline perfusion mapping provides insights into the disease mechanism in hypertrophic cardiomyopathy. <i>Heart</i> , 2020, 106, 824-829.	1.2	26
21	A comparison of cine CMR imaging at 0.55T and 1.5T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 37.	1.6	25
22	Landmark Detection in Cardiac MRI by Using a Convolutional Neural Network. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200197.	3.0	24
23	Automated detection of left ventricle in arterial input function images for inline perfusion mapping using deep learning: A study of 15,000 patients. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2788-2800.	1.9	19
24	Prognostic Value of Pulmonary Transit Time and Pulmonary Blood Volume Estimation Using Myocardial Perfusion CMR. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 2107-2119.	2.3	18
25	Evaluation of Rigid and Non-rigid Motion Compensation of Cardiac Perfusion MRI. <i>Lecture Notes in Computer Science</i> , 2008, 11, 35-43.	1.0	17
26	Quantitative cardiovascular magnetic resonance myocardial perfusion mapping to assess hyperaemic response to adenosine stress. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 273-281.	0.5	15
27	Myocardial Perfusion Defects in Hypertrophic Cardiomyopathy Mutation Carriers. <i>Journal of the American Heart Association</i> , 2021, 10, e020227.	1.6	15
28	A comparison of standard and high dose adenosine protocols in routine vasodilator stress cardiovascular magnetic resonance: dosage affects hyperaemic myocardial blood flow in patients with severe left ventricular systolic impairment. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 37.	1.6	11
29	Automated Inline Artificial Intelligence Measured Global Longitudinal Shortening and Mitral Annular Plane Systolic Excursion: Reproducibility and Prognostic Significance. <i>Journal of the American Heart Association</i> , 2022, 11, e023849.	1.6	11
30	Quantitative Myocardial Perfusion Predicts Outcomes in Patients With Prior Surgical Revascularization. <i>Journal of the American College of Cardiology</i> , 2022, 79, 1141-1151.	1.2	10
31	Evaluation of Myocardial Infarction by Cardiovascular Magnetic Resonance at 0.55-T Compared to 1.5-T. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1866-1868.	2.3	9
32	Myocardial Perfusion Imaging After Severe COVID-19 Infection Demonstrates Regional Ischemia Rather Than Global Blood Flow Reduction. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 764599.	1.1	9
33	Coronary microvascular function and visceral adiposity in patients with normal body weight and type 2 diabetes. <i>Obesity</i> , 2022, 30, 1079-1090.	1.5	7
34	Use of quantitative cardiovascular magnetic resonance myocardial perfusion mapping for characterization of ischemia in patients with left internal mammary coronary artery bypass grafts. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 82.	1.6	6
35	The Interfield Strength Agreement of Left Ventricular Strain Measurements at 1.5T and 3T Using Cardiac MRI Feature Tracking. <i>Journal of Magnetic Resonance Imaging</i> , 2023, 57, 1250-1261.	1.9	6
36	Evaluation of Hepatic Iron Overload Using a Contemporary 0.55T MRI System. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1855-1863.	1.9	4

#	ARTICLE	IF	CITATIONS
37	Study protocol: MyoFit46—the cardiac sub-study of the MRC National Survey of Health and Development. BMC Cardiovascular Disorders, 2022, 22, 140.	0.7	4
38	Imaging gravity-induced lung water redistribution with automated inline processing at 0.55 T cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2022, 24, .	1.6	4
39	Two RR myocardial perfusion acquisition achieves unbiased Myocardial Blood Flow (MBF) estimates. Journal of Cardiovascular Magnetic Resonance, 2016, 18, W12.	1.6	2
40	Nonlinear myocardial perfusion imaging with motion corrected reconstruction: validation via quantitative flow mapping. Journal of Cardiovascular Magnetic Resonance, 2016, 18, O8.	1.6	1