

Zhi-Gang Yang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104 papers	596 citations	13 h-index	19 g-index
127 ext. papers	894 ext. citations	4.9 avg, IF	3.92 L-index

#	Paper	IF	Citations
104	Histologic validation of myocardial fibrosis measured by T1 mapping: a systematic review and meta-analysis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 92	6.9	66
103	Left ventricular subclinical myocardial dysfunction in uncomplicated type 2 diabetes mellitus is associated with impaired myocardial perfusion: a contrast-enhanced cardiovascular magnetic resonance study. <i>Cardiovascular Diabetology</i> , 2018 , 17, 139	8.7	34
102	Assessments of pulmonary vein and left atrial anatomical variants in atrial fibrillation patients for catheter ablation with cardiac CT. <i>European Radiology</i> , 2017 , 27, 660-670	8	29
101	Differentiation between tuberculosis and primary tumors in the adrenal gland: evaluation with contrast-enhanced CT. <i>European Radiology</i> , 2006 , 16, 2031-6	8	29
100	Characteristics of coronary artery disease in symptomatic type 2 diabetic patients: evaluation with CT angiography. <i>Cardiovascular Diabetology</i> , 2010 , 9, 74	8.7	23
99	Regional myocardial microvascular dysfunction in cardiac amyloid light-chain amyloidosis: assessment with 3T cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 16	6.9	21
98	Early marker of regional left ventricular deformation in patients with hypertrophic cardiomyopathy evaluated by MRI tissue tracking: The effects of myocardial hypertrophy and fibrosis. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 1368-1376	5.6	19
97	Dual-source computed tomography for evaluating pulmonary artery in pediatric patients with cyanotic congenital heart disease: Comparison with transthoracic echocardiography. <i>European Journal of Radiology</i> , 2016 , 85, 187-192	4.7	14
96	The Diagnostic Value of Global Longitudinal Strain (GLS) on Myocardial Infarction Size by Echocardiography: A Systematic Review and Meta-analysis. <i>Scientific Reports</i> , 2017 , 7, 10082	4.9	14
95	Assessment of Double Outlet Right Ventricle Associated with Multiple Malformations in Pediatric Patients Using Retrospective ECG-Gated Dual-Source Computed Tomography. <i>PLoS ONE</i> , 2015 , 10, e0130987	3.7	14
94	Assessing right ventricular function in patients with hypertrophic cardiomyopathy with cardiac MRI: correlation with the New York Heart Function Assessment (NYHA) classification. <i>PLoS ONE</i> , 2014 , 9, e104312	2.7	14
93	Assessment of left ventricular deformation in patients with Ebstein's anomaly by cardiac magnetic resonance tissue tracking. <i>European Journal of Radiology</i> , 2017 , 89, 20-26	4.7	13
92	Myocardial Deformation in Cardiac Amyloid Light-chain Amyloidosis: Assessed with 3T Cardiovascular Magnetic Resonance Feature Tracking. <i>Scientific Reports</i> , 2017 , 7, 3794	4.9	13
91	Left Ventricular Involvement in Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy Predicts Adverse Clinical Outcomes: A Cardiovascular Magnetic Resonance Feature Tracking Study. <i>Scientific Reports</i> , 2019 , 9, 14235	4.9	13
90	Evaluation of myocardial fibrosis in diabetes with cardiac magnetic resonance T1-mapping: Correlation with the high-level hemoglobin A1c. <i>Diabetes Research and Clinical Practice</i> , 2019 , 150, 72-80	7.4	13
89	Preoperative evaluation of coronary artery fistula using dual-source computed tomography. <i>International Journal of Cardiology</i> , 2017 , 228, 80-85	3.2	13
88	Assessment of left ventricular myocardial deformation by cardiac MRI strain imaging reveals myocardial dysfunction in patients with primary cardiac tumors. <i>International Journal of Cardiology</i> , 2018 , 253, 176-182	3.2	11

87	Predictors of aortic dilation in patients with coarctation of the aorta: evaluation with dual-source computed tomography. <i>BMC Cardiovascular Disorders</i> , 2018 , 18, 124	2.3	11
86	Assessing right ventricular deformation in hypertrophic cardiomyopathy patients with preserved right ventricular ejection fraction: a 3.0-T cardiovascular magnetic resonance study. <i>Scientific Reports</i> , 2020 , 10, 1967	4.9	10
85	Morphologic and functional abnormalities in patients with Ebstein's anomaly with cardiac magnetic resonance imaging: Correlation with tricuspid regurgitation. <i>European Journal of Radiology</i> , 2016 , 85, 1601-6	4.7	10
84	Protective role of beta-blockers in chemotherapy-induced cardiotoxicity-a systematic review and meta-analysis of carvedilol. <i>Heart Failure Reviews</i> , 2019 , 24, 325-333	5	10
83	Native T mapping for characterization of acute and chronic myocardial infarction in swine: Comparison with contrast-enhanced MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 47, 1406-1414	5.6	9
82	Cardiac magnetic resonance feature tracking for quantifying right ventricular deformation in type 2 diabetes mellitus patients. <i>Scientific Reports</i> , 2019 , 9, 11148	4.9	9
81	The regional myocardial microvascular dysfunction differences in hypertrophic cardiomyopathy patients with or without left ventricular outflow tract obstruction: assessment with first-pass perfusion imaging using 3.0-T cardiac magnetic resonance. <i>European Journal of Radiology</i> , 2014 , 83, 665-72	4.7	9
80	Preoperative evaluation of anomalous pulmonary venous connection using dual-source computed tomography: Comparison with echocardiography. <i>European Journal of Radiology</i> , 2017 , 94, 107-114	4.7	8
79	Metabolic syndrome and myocardium steatosis in subclinical type 2 diabetes mellitus: a H-magnetic resonance spectroscopy study. <i>Cardiovascular Diabetology</i> , 2020 , 19, 70	8.7	8
78	The additive effects of type 2 diabetes mellitus on left ventricular deformation and myocardial perfusion in essential hypertension: a 3.0 T cardiac magnetic resonance study. <i>Cardiovascular Diabetology</i> , 2020 , 19, 161	8.7	8
77	The combined effects of cardiac geometry, microcirculation, and tissue characteristics on cardiac systolic and diastolic function in subclinical diabetes mellitus-related cardiomyopathy. <i>International Journal of Cardiology</i> , 2020 , 320, 112-118	3.2	8
76	Serial coronary computed tomography angiography-verified coronary plaque progression: comparison of stented patients with or without diabetes. <i>Cardiovascular Diabetology</i> , 2019 , 18, 123	8.7	7
75	CT compared to MRI for functional evaluation of the right ventricle: a systematic review and meta-analysis. <i>European Radiology</i> , 2019 , 29, 6816-6828	8	7
74	The Blood Oxygenation T Values of Resectable Esophageal Squamous Cell Carcinomas as Measured by 3T Magnetic Resonance Imaging: Association with Tumor Stage. <i>Korean Journal of Radiology</i> , 2017 , 18, 674-681	6.9	7
73	Comparative analysis of coronary artery disease assessed by coronary CT angiography between patients with type 2 diabetes mellitus and non-diabetic patients. <i>International Journal of Cardiology</i> , 2011 , 147, 178-81	3.2	7
72	Prognostic value of dual-source computed tomography (DSCT) angiography characteristics in anomalous coronary artery from the opposite sinus (ACAOS) patients: a large-scale retrospective study. <i>BMC Cardiovascular Disorders</i> , 2020 , 20, 25	2.3	6
71	Prognostic value of heart failure in hemodialysis-dependent end-stage renal disease patients with myocardial fibrosis quantification by extracellular volume on cardiac magnetic resonance imaging. <i>BMC Cardiovascular Disorders</i> , 2020 , 20, 12	2.3	6
70	Quantified evaluation of tracheal compression in pediatric complex congenital vascular ring by computed tomography. <i>Scientific Reports</i> , 2018 , 8, 11183	4.9	6

69	Differentiation between tuberculosis and leukemia in abdominal and pelvic lymph nodes: evaluation with contrast-enhanced multidetector computed tomography. <i>Clinics</i> , 2015 , 70, 162-8	2.3	6
68	A novel prognostic model predicting the long-term cancer-specific survival for patients with hypopharyngeal squamous cell carcinoma. <i>BMC Cancer</i> , 2020 , 20, 1095	4.8	6
67	Left ventricular global function index by magnetic resonance imaging - a novel marker for differentiating cardiac amyloidosis from hypertrophic cardiomyopathy. <i>Scientific Reports</i> , 2020 , 10, 47074-9	4.9	5
66	Volume-time curve of cardiac magnetic resonance assessed left ventricular dysfunction in coronary artery disease patients with type 2 diabetes mellitus. <i>BMC Cardiovascular Disorders</i> , 2017 , 17, 145	2.3	4
65	The prognostic value of right ventricular deformation derived from cardiac magnetic resonance tissue tracking for all-cause mortality in light-chain amyloidosis patients. <i>Cardiovascular Diagnosis and Therapy</i> , 2020 , 10, 161-172	2.6	4
64	Dual-source computed tomography for quantitative assessment of tracheobronchial anomaly from type IIA pulmonary artery sling in pediatric patients. <i>European Journal of Radiology</i> , 2018 , 102, 30-35	4.7	4
63	Assessment of transposition of the great arteries associated with multiple malformations using dual-source computed tomography. <i>PLoS ONE</i> , 2017 , 12, e0187578	3.7	4
62	Impact of type 2 diabetes mellitus on left ventricular diastolic function in patients with essential hypertension: evaluation by volume-time curve of cardiac magnetic resonance. <i>Cardiovascular Diabetology</i> , 2021 , 20, 73	8.7	4
61	The additive effects of obesity on myocardial microcirculation in diabetic individuals: a cardiac magnetic resonance first-pass perfusion study. <i>Cardiovascular Diabetology</i> , 2020 , 19, 52	8.7	3
60	Accurate identification of myocardial viability after myocardial infarction with novel manganese chelate-based MR imaging. <i>NMR in Biomedicine</i> , 2019 , 32, e4158	4.4	3
59	Features of family clusters of COVID-19 patients: A retrospective study. <i>Travel Medicine and Infectious Disease</i> , 2021 , 39, 101950	8.4	3
58	The additive effects of kidney dysfunction on left ventricular function and strain in type 2 diabetes mellitus patients verified by cardiac magnetic resonance imaging. <i>Cardiovascular Diabetology</i> , 2021 , 20, 11	8.7	3
57	Assessment of tetralogy of Fallot-associated congenital extracardiac vascular anomalies in pediatric patients using low-dose dual-source computed tomography. <i>BMC Cardiovascular Disorders</i> , 2017 , 17, 285	2.3	2
56	The additive effect of essential hypertension on coronary artery plaques in type 2 diabetes mellitus patients: a coronary computed tomography angiography study.. <i>Cardiovascular Diabetology</i> , 2022 , 21, 1	8.7	2
55	Additive effect of hypertension on left ventricular structure and function in patients with asymptomatic type 2 diabetes mellitus. <i>Journal of Hypertension</i> , 2021 , 39, 538-547	1.9	2
54	Assessment of left ventricular deformation in patients with type 2 diabetes mellitus by cardiac magnetic resonance tissue tracking. <i>Scientific Reports</i> , 2020 , 10, 13126	4.9	2
53	Anatomical characteristics of anomalous left coronary artery from the opposite sinus (left-ACAOS) and its clinical relevance: A serial coronary CT angiography study. <i>IJC Heart and Vasculature</i> , 2020 , 31, 100649	2.4	2
52	Lipoprotein glomerulopathy induced by ApoE Kyoto mutation in ApoE-deficient mice. <i>Journal of Translational Medicine</i> , 2021 , 19, 97	8.5	2

51	Radiomic assessment as a method for predicting tumor mutation burden (TMB) of bladder cancer patients: a feasibility study. <i>BMC Cancer</i> , 2021 , 21, 823	4.8	2
50	Left Ventricular Deformation in Patients with Connective Tissue Disease: Evaluated by 3.0T Cardiac Magnetic Resonance Tissue Tracking. <i>Scientific Reports</i> , 2019 , 9, 17913	4.9	2
49	Comparison of clinical profiles between takotsubo syndrome and acute coronary syndrome: a systematic review and meta-analysis. <i>Heart Failure Reviews</i> , 2020 , 25, 847-860	5	2
48	Myocardial perfusion assessment in the infarct core and penumbra zones in an in-vivo porcine model of the acute, sub-acute, and chronic infarction. <i>European Radiology</i> , 2021 , 31, 2798-2808	8	2
47	Aggravation of functional mitral regurgitation on left ventricle stiffness in type 2 diabetes mellitus patients evaluated by CMR tissue tracking. <i>Cardiovascular Diabetology</i> , 2021 , 20, 158	8.7	2
46	Effect of diabetes mellitus on the development of left ventricular contractile dysfunction in women with heart failure and preserved ejection fraction. <i>Cardiovascular Diabetology</i> , 2021 , 20, 185	8.7	2
45	Dual-source Computed Tomography for Evaluating Pulmonary Artery and Aorta in Pediatric Patients with Single Ventricle. <i>Scientific Reports</i> , 2017 , 7, 13398	4.9	1
44	Assessment of intracardiac and extracardiac anomalies associated with coarctation of aorta and interrupted aortic arch using dual-source computed tomography. <i>Scientific Reports</i> , 2019 , 9, 11656	4.9	1
43	Corona Virus Disease 2019 (COVID-19): the image tells the truth. <i>Infection</i> , 2020 , 48, 981-984	5.8	1
42	Preoperative assessment of mitral valve abnormalities in left atrial myxoma patients using cardiac CT. <i>Oncotarget</i> , 2017 , 8, 57583-57593	3.3	1
41	Myocardial bridging in left main coronary artery. <i>Coronary Artery Disease</i> , 2018 , 29, 274-275	1.4	1
40	Association of myocardial fibrosis detected by late gadolinium-enhanced MRI with clinical outcomes in patients with diabetes: a systematic review and meta-analysis.. <i>BMJ Open</i> , 2022 , 12, e055374	7.4	1
39	Effect of Smoking on Coronary Artery Plaques in Type 2 Diabetes Mellitus: Evaluation With Coronary Computed Tomography Angiography. <i>Frontiers in Endocrinology</i> , 2021 , 12, 750773	5.7	1
38	Association Between Heart Failure With Preserved Left Ventricular Ejection Fraction and Impaired Left Atrial Phasic Function in Hypertrophic Cardiomyopathy: Evaluation by Cardiac MRI Feature Tracking. <i>Journal of Magnetic Resonance Imaging</i> , 2021 ,	5.6	1
37	Application of Dual-Source CT Coronary Angiography in Type 2 Diabetic Patients with Symptomatic Coronary Heart Disease. <i>Current Vascular Pharmacology</i> , 2017 , 15, 59-65	3.3	1
36	Characterization of infarcted myocardium by T1-mapping and its association with left ventricular remodeling. <i>European Journal of Radiology</i> , 2021 , 137, 109590	4.7	1
35	Characteristics of coronary artery disease in patients with subclinical hypothyroidism: evaluation using coronary artery computed tomography angiography. <i>BMC Cardiovascular Disorders</i> , 2021 , 21, 303	2.3	1
34	Preoperative Assessment of Coronary Arteries by Cardiac Computed Tomography in Patients with Lung Cancer. <i>Thoracic and Cardiovascular Surgeon</i> , 2020 , 68, 169-175	1.6	1

33	Impact of gender on left ventricular deformation in patients with essential hypertension assessed by cardiac magnetic resonance tissue tracking. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 1710-1720	5.6	1
32	The mitral regurgitation effects of cardiac structure and function in left ventricular noncompaction. <i>Scientific Reports</i> , 2021 , 11, 4616	4.9	1
31	Computed tomography for evaluating right ventricle and pulmonary artery in pediatric tetralogy of Fallot: correlation with post-operative pulmonary regurgitation. <i>Scientific Reports</i> , 2018 , 8, 7515	4.9	1
30	Machine Learning-Based CT Radiomics Analysis for Prognostic Prediction in Metastatic Non-Small Cell Lung Cancer Patients With -T790M Mutation Receiving Third-Generation EGFR-TKI Osimertinib Treatment. <i>Frontiers in Oncology</i> , 2021 , 11, 719919	5.3	1
29	Additive Effects of Obesity on Myocardial Microcirculation and Left Ventricular Deformation in Essential Hypertension: A Contrast-Enhanced Cardiac Magnetic Resonance Imaging Study.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 831231	5.4	1
28	Erdheim-Chester disease: a case treated with IFN- γ monitored using plasma and urine cell-free DNA. <i>Immunotherapy</i> , 2020 , 12, 379-387	3.8	0
27	A randomized controlled clinical trial of prolonged balloon inflation during stent deployment strategy in primary percutaneous coronary intervention for ST-segment elevation myocardial infarction: a pilot study.. <i>BMC Cardiovascular Disorders</i> , 2022 , 22, 30	2.3	0
26	Histological Validation of Cardiovascular Magnetic Resonance T1 Mapping for Assessing the Evolution of Myocardial Injury in Myocardial Infarction: An Experimental Study. <i>Korean Journal of Radiology</i> , 2020 , 21, 1294-1304	6.9	0
25	Impact of myocardial scars on left ventricular deformation in type 2 diabetes mellitus after myocardial infarction by contrast-enhanced cardiac magnetic resonance. <i>Cardiovascular Diabetology</i> , 2021 , 20, 215	8.7	0
24	Distinguishing cardiac myxomas from cardiac thrombi by a radiomics signature based on cardiovascular contrast-enhanced computed tomography images. <i>BMC Cardiovascular Disorders</i> , 2021 , 21, 152	2.3	0
23	Increased oxygenation is associated with myocardial inflammation and adverse regional remodeling after acute ST-segment elevation myocardial infarction. <i>European Radiology</i> , 2021 , 31, 8956-8966	8.966	0
22	Utility of single-shot compressed sensing cardiac magnetic resonance cine imaging for assessment of biventricular function in free-breathing and arrhythmic pediatric patients. <i>International Journal of Cardiology</i> , 2021 , 338, 258-264	3.2	0
21	The adverse impact of coronary artery disease on left ventricle systolic and diastolic function in patients with type 2 diabetes mellitus: a 3.0T CMR study.. <i>Cardiovascular Diabetology</i> , 2022 , 21, 30	8.7	0
20	Additive effect of aortic regurgitation degree on left ventricular strain in patients with type 2 diabetes mellitus evaluated via cardiac magnetic resonance tissue tracking.. <i>Cardiovascular Diabetology</i> , 2022 , 21, 37	8.7	0
19	Comparison of Silicosis and Tuberculosis Involving Mediastinal Lymph Nodes Based on Contrast-Enhanced Multidetector-Row Computed Tomography.. <i>Lung</i> , 2022 , 1	2.9	0
18	Association of left ventricular systolic dysfunction with coronary artery dilation in Kawasaki disease patients: Assessment with cardiovascular magnetic resonance. <i>European Journal of Radiology</i> , 2021 , 145, 110039	4.7	0
17	Effects of diabetes mellitus on left ventricular function and remodeling in hypertensive patients with heart failure with reduced ejection fraction: assessment with 3.0T MRI feature tracking.. <i>Cardiovascular Diabetology</i> , 2022 , 21, 69	8.7	0
16	Cardiac magnetic resonance T1 mapping for evaluating myocardial fibrosis in patients with type 2 diabetes mellitus: correlation with left ventricular longitudinal diastolic dysfunction.. <i>European Radiology</i> , 2022 , 1	8	0

15	Association of magnitude of weight loss and weight variability with mortality and major cardiovascular events among individuals with type 2 diabetes mellitus: a systematic review and meta-analysis.. <i>Cardiovascular Diabetology</i> , 2022 , 21, 78	8.7	o
14	Reply to "Letter to the Editor Preoperative evaluation of coronary artery fistula using dual-source computed tomography". <i>International Journal of Cardiology</i> , 2017 , 234, 118	3.2	
13	Assessment of a left circumflex coronary artery-left ventricle fistula by multimodality imaging in a child. <i>Cardiology in the Young</i> , 2017 , 27, 570-572	1	
12	Primary left ventricular neuroendocrine tumor in a middle-aged female: a case report. <i>Annals of Translational Medicine</i> , 2020 , 8, 653	3.2	
11	Global, segmental and layer specific analysis of myocardial involvement in Duchenne muscular dystrophy by cardiovascular magnetic resonance native T1 mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021 , 23, 110	6.9	
10	How cardiologists respond to COVID-19: the experience of West China Hospital, China. <i>Internal and Emergency Medicine</i> , 2020 , 15, 1561-1565	3.7	
9	Effect of prediabetes on the long-term all-cause mortality of patients undergoing percutaneous coronary intervention: A protocol for systematic review and meta analysis. <i>Medicine (United States)</i> , 2020 , 99, e21623	1.8	
8	Retraction Note: Prognostic value of heart failure in hemodialysis-dependent end-stage renal disease patients with myocardial fibrosis quantification by extracellular volume on cardiac magnetic resonance imaging. <i>BMC Cardiovascular Disorders</i> , 2020 , 20, 407	2.3	
7	The Prognostic Value of Radiomics Features Extracted From Computed Tomography in Patients With Localized Clear Cell Renal Cell Carcinoma After Nephrectomy. <i>Frontiers in Oncology</i> , 2021 , 11, 591502	5.3	
6	Rationale, design, and baseline characteristics of Chinese registry in early detection and risk stratification of coronary plaques (C-STRAT) study. <i>Chinese Medical Journal</i> , 2021 , 134, 870-872	2.9	
5	A comprehensive prognostic analysis of osimertinib treatment in advanced non-small cell lung cancer patients with acquired EGFR-T790M mutation: a real-world study. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021 , 1	4.9	
4	Noninvasive oxygenation assessment after acute myocardial infarction with breathing maneuvers-induced oxygenation-sensitive magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 54, 284-289	5.6	
3	Malignancies in Chinese patients with immunoglobulin G4-related disease. <i>Clinical and Experimental Rheumatology</i> , 2021 , 39, 434	2.2	
2	Comparison of cardiovascular magnetic resonance features and clinical consequences in patients with left ventricular non-compaction with and without mitral regurgitation-a multi-institutional study of the retrospective cohort study.. <i>Cardiovascular Diagnosis and Therapy</i> , 2022 , 12, 241-252	2.6	
1	Myocardial microvascular function assessed by CMR first-pass perfusion in patients treated with chemotherapy for gynecologic malignancies.. <i>European Radiology</i> , 2022 , 1	8	