## **Zhi-Gang Yang**

List of Publications by Year in descending order

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112 1,170 16 25
papers citations h-index g-index

127 127 1547
all docs docs citations times ranked citing authors

#	Article	IF	CITATIONS
1	Histologic validation of myocardial fibrosis measured by T1 mapping: a systematic review and meta-analysis. Journal of Cardiovascular Magnetic Resonance, 2017, 18, 92.	3.3	104
2	Left ventricular subclinical myocardial dysfunction in uncomplicated type 2 diabetes mellitus is associated with impaired myocardial perfusion: a contrast-enhanced cardiovascular magnetic resonance study. Cardiovascular Diabetology, 2018, 17, 139.	6.8	55
3	Differentiation between tuberculosis and primary tumors in the adrenal gland: evaluation with contrast-enhanced CT. European Radiology, 2006, 16, 2031-2036.	<b>4.</b> 5	42
4	Assessments of pulmonary vein and left atrial anatomical variants in atrial fibrillation patients for catheter ablation with cardiac CT. European Radiology, 2017, 27, 660-670.	<b>4.</b> 5	41
5	Regional myocardial microvascular dysfunction in cardiac amyloid light-chain amyloidosis: assessment with 3T cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 16.	3.3	34
6	Early marker of regional left ventricular deformation in patients with hypertrophic cardiomyopathy evaluated by MRI tissue tracking: The effects of myocardial hypertrophy and fibrosis. Journal of Magnetic Resonance Imaging, 2017, 46, 1368-1376.	3.4	32
7	Protective role of beta-blockers in chemotherapy-induced cardiotoxicity—a systematic review and meta-analysis of carvedilol. Heart Failure Reviews, 2019, 24, 325-333.	3.9	29
8	Characteristics of coronary artery disease in symptomatic type 2 diabetic patients: evaluation with CT angiography. Cardiovascular Diabetology, 2010, 9, 74.	6.8	28
9	The Diagnostic Value of Global Longitudinal Strain (GLS) on Myocardial Infarction Size by Echocardiography: A Systematic Review and Meta-analysis. Scientific Reports, 2017, 7, 10082.	3.3	25
10	Left Ventricular Involvement in Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy Predicts Adverse Clinical Outcomes: A Cardiovascular Magnetic Resonance Feature Tracking Study. Scientific Reports, 2019, 9, 14235.	3.3	24
11	Evaluation of myocardial fibrosis in diabetes with cardiac magnetic resonance T1-mapping: Correlation with the high-level hemoglobin A1c. Diabetes Research and Clinical Practice, 2019, 150, 72-80.	2.8	21
12	The additive effect of essential hypertension on coronary artery plaques in type 2 diabetes mellitus patients: a coronary computed tomography angiography study. Cardiovascular Diabetology, 2022, 21, 1.	6.8	21
13	Dual-source computed tomography for evaluating pulmonary artery in pediatric patients with cyanotic congenital heart disease: Comparison with transthoracic echocardiography. European Journal of Radiology, 2016, 85, 187-192.	2.6	19
14	Assessment of left ventricular deformation in patients with Ebstein's anomaly by cardiac magnetic resonance tissue tracking. European Journal of Radiology, 2017, 89, 20-26.	2.6	19
15	Assessing Right Ventricular Function in Patients with Hypertrophic Cardiomyopathy with Cardiac MRI: Correlation with the New York Heart Function Assessment (NYHA) Classification. PLoS ONE, 2014, 9, e104312.	2.5	18
16	Myocardial Deformation in Cardiac Amyloid Light-chain Amyloidosis: Assessed with 3T Cardiovascular Magnetic Resonance Feature Tracking. Scientific Reports, 2017, 7, 3794.	3.3	18
17	The combined effects of cardiac geometry, microcirculation, and tissue characteristics on cardiac systolic and diastolic function in subclinical diabetes mellitus-related cardiomyopathy. International Journal of Cardiology, 2020, 320, 112-118.	1.7	18
18	Machine Learning-Based CT Radiomics Analysis for Prognostic Prediction in Metastatic Non-Small Cell Lung Cancer Patients With EGFR-T790M Mutation Receiving Third-Generation EGFR-TKI Osimertinib Treatment. Frontiers in Oncology, 2021, 11, 719919.	2.8	18

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19	Assessment of Double Outlet Right Ventricle Associated with Multiple Malformations in Pediatric Patients Using Retrospective ECG-Gated Dual-Source Computed Tomography. PLoS ONE, 2015, 10, e0130987.	2.5	17
20	The additive effects of obesity on myocardial microcirculation in diabetic individuals: a cardiac magnetic resonance first-pass perfusion study. Cardiovascular Diabetology, 2020, 19, 52.	6.8	17
21	Metabolic syndrome and myocardium steatosis in subclinical type 2 diabetes mellitus: a 1H-magnetic resonance spectroscopy study. Cardiovascular Diabetology, 2020, 19, 70.	6.8	17
22	Cardiac magnetic resonance feature tracking for quantifying right ventricular deformation in type 2 diabetes mellitus patients. Scientific Reports, 2019, 9, 11148.	3.3	16
23	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. Cardiovascular Diabetology, 2020, 19, 161.	6.8	15
24	Assessing right ventricular deformation in hypertrophic cardiomyopathy patients with preserved right ventricular ejection fraction: a 3.0-T cardiovascular magnetic resonance study. Scientific Reports, 2020, 10, 1967.	3.3	15
25	Preoperative evaluation of anomalous pulmonary venous connection using dual-source computed tomography: Comparison with echocardiography. European Journal of Radiology, 2017, 94, 107-114.	2.6	14
26	Preoperative evaluation of coronary artery fistula using dual-source computed tomography. International Journal of Cardiology, 2017, 228, 80-85.	1.7	14
27	CT compared to MRI for functional evaluation of the right ventricle: a systematic review and meta-analysis. European Radiology, 2019, 29, 6816-6828.	4.5	14
28	Assessment of left ventricular myocardial deformation by cardiac MRI strain imaging reveals myocardial dysfunction in patients with primary cardiac tumors. International Journal of Cardiology, 2018, 253, 176-182.	1.7	13
29	Predictors of aortic dilation in patients with coarctation of the aorta: evaluation with dual-source computed tomography. BMC Cardiovascular Disorders, 2018, 18, 124.	1.7	13
30	Left ventricular global function index by magnetic resonance imaging $\hat{a} \in "$ a novel marker for differentiating cardiac amyloidosis from hypertrophic cardiomyopathy. Scientific Reports, 2020, 10, 4707.	3.3	13
31	Effect of diabetes mellitus on the development of left ventricular contractile dysfunction in women with heart failure and preserved ejection fraction. Cardiovascular Diabetology, 2021, 20, 185.	6.8	13
32	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. Cardiovascular Diabetology, 2022, 21, 78.	6.8	13
33	Native T <sub>1</sub> mapping for characterization of acute and chronic myocardial infarction in swine: Comparison with contrastâ€enhanced MRI. Journal of Magnetic Resonance Imaging, 2018, 47, 1406-1414.	3.4	12
34	Serial coronary computed tomography angiography-verified coronary plaque progression: comparison of stented patients with or without diabetes. Cardiovascular Diabetology, 2019, 18, 123.	6.8	12
35	A novel prognostic model predicting the long-term cancer-specific survival for patients with hypopharyngeal squamous cell carcinoma. BMC Cancer, 2020, 20, 1095.	2.6	12
36	Assessment of left ventricular deformation in patients with type 2 diabetes mellitus by cardiac magnetic resonance tissue tracking. Scientific Reports, 2020, 10, 13126.	3.3	11

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37	The prognostic value of right ventricular deformation derived from cardiac magnetic resonance tissue tracking for all-cause mortality in light-chain amyloidosis patients. Cardiovascular Diagnosis and Therapy, 2020, 10, 161-172.	1.7	11
38	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. BMC Cardiovascular Disorders, 2020, 20, 25.	1.7	11
39	Aggravation of functional mitral regurgitation on left ventricle stiffness in type 2 diabetes mellitus patients evaluated by CMR tissue tracking. Cardiovascular Diabetology, 2021, 20, 158.	6.8	11
40	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. European Journal of Radiology, 2014, 83, 665-672.	2.6	10
41	Morphologic and functional abnormalities in patients with Ebstein's anomaly with cardiac magnetic resonance imaging: Correlation with tricuspid regurgitation. European Journal of Radiology, 2016, 85, 1601-1606.	2.6	10
42	Volume-time curve of cardiac magnetic resonance assessed left ventricular dysfunction in coronary artery disease patients with type 2 diabetes mellitus. BMC Cardiovascular Disorders, 2017, 17, 145.	1.7	10
43	The Blood Oxygenation T <sub>2</sub> <sup>*</sup> Values of Resectable Esophageal Squamous Cell Carcinomas as Measured by 3T Magnetic Resonance Imaging: Association with Tumor Stage. Korean Journal of Radiology, 2017, 18, 674.	3.4	10
44	Association Between Heart Failure With Preserved Left Ventricular Ejection Fraction and Impaired Left Atrial Phasic Function in Hypertrophic Cardiomyopathy: Evaluation by Cardiac <scp>MRI </scp> Feature Tracking. Journal of Magnetic Resonance Imaging, 2022, 56, 248-259.	3.4	10
45	Assessment of tetralogy of Fallot–associated congenital extracardiac vascular anomalies in pediatric patients using low-dose dual-source computed tomography. BMC Cardiovascular Disorders, 2017, 17, 285.	1.7	9
46	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. Cardiovascular Diabetology, 2021, 20, 73.	6.8	9
47	Radiomic assessment as a method for predicting tumor mutation burden (TMB) of bladder cancer patients: a feasibility study. BMC Cancer, 2021, 21, 823.	2.6	9
48	Cardiac magnetic resonance T1 mapping for evaluating myocardial fibrosis in patients with type 2 diabetes mellitus: correlation with left ventricular longitudinal diastolic dysfunction. European Radiology, 2022, 32, 7647-7656.	4.5	9
49	Quantified evaluation of tracheal compression in pediatric complex congenital vascular ring by computed tomography. Scientific Reports, 2018, 8, 11183.	3.3	8
50	The additive effects of kidney dysfunction on left ventricular function and strain in type 2 diabetes mellitus patients verified by cardiac magnetic resonance imaging. Cardiovascular Diabetology, 2021, 20, 11.	6.8	8
51	Impact of <scp>BMI</scp> on Left Atrial Strain and Abnormal Atrioventricular Interaction in Patients With Type 2 Diabetes Mellitus: A Cardiac Magnetic Resonance Feature Tracking Study. Journal of Magnetic Resonance Imaging, 2022, 55, 1461-1475.	3.4	8
52	Differentiation between tuberculosis and leukemia in abdominal and pelvic lymph nodes: evaluation with contrast-enhanced multidetector computed tomography. Clinics, 2015, 70, 162-168.	1.5	8
53	Histological Validation of Cardiovascular Magnetic Resonance T1 Mapping for Assessing the Evolution of Myocardial Injury in Myocardial Infarction: An Experimental Study. Korean Journal of Radiology, 2020, 21, 1294.	3.4	8
54	Effects of diabetes mellitus on left ventricular function and remodeling in hypertensive patients with heart failure with reduced ejection fraction: assessment with 3.0ÂT MRI feature tracking. Cardiovascular Diabetology, 2022, 21, 69.	6.8	8

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55	Comparative analysis of coronary artery disease assessed by coronary CT angiography between patients with type 2 diabetes mellitus and non-diabetic patients. International Journal of Cardiology, 2011, 147, 178-181.	1.7	7
56	Assessment of intracardiac and extracardiac anomalies associated with coarctation of aorta and interrupted aortic arch using dual-source computed tomography. Scientific Reports, 2019, 9, 11656.	3.3	7
57	Impact of gender on left ventricular deformation in patients with essential hypertension assessed by cardiac magnetic resonance tissue tracking. Journal of Magnetic Resonance Imaging, 2021, 53, 1710-1720.	3.4	7
58	Utility of single-shot compressed sensing cardiac magnetic resonance cine imaging for assessment of biventricular function in free-breathing and arrhythmic pediatric patients. International Journal of Cardiology, 2021, 338, 258-264.	1.7	7
59	Additive effect of hypertension on left ventricular structure and function in patients with asymptomatic type 2 diabetes mellitus. Journal of Hypertension, 2021, 39, 538-547.	0.5	7
60	Comparison of clinical profiles between takotsubo syndrome and acute coronary syndrome: a systematic review and meta-analysis. Heart Failure Reviews, 2020, 25, 847-860.	3.9	6
61	Lipoprotein glomerulopathy induced by ApoE Kyoto mutation in ApoE-deficient mice. Journal of Translational Medicine, 2021, 19, 97.	4.4	6
62	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. Cardiovascular Diabetology, 2022, 21, 30.	6.8	6
63	Dual-source Computed Tomography for Evaluating Pulmonary Artery and Aorta in Pediatric Patients with Single Ventricle. Scientific Reports, 2017, 7, 13398.	3.3	5
64	Myocardial perfusion assessment in the infarct core and penumbra zones in an in-vivo porcine model of the acute, sub-acute, and chronic infarction. European Radiology, 2021, 31, 2798-2808.	4.5	5
65	Features of family clusters of COVID-19 patients: A retrospective study. Travel Medicine and Infectious Disease, 2021, 39, 101950.	3.0	5
66	Distinguishing cardiac myxomas from cardiac thrombi by a radiomics signature based on cardiovascular contrast-enhanced computed tomography images. BMC Cardiovascular Disorders, 2021, 21, 152.	1.7	5
67	Inflammation in Remote Myocardium and Left Ventricular Remodeling After Acute Myocardial Infarction: A Pilot Study Using <scp>T2</scp> Mapping. Journal of Magnetic Resonance Imaging, 2022, 55, 555-564.	3.4	5
68	Assessment of transposition of the great arteries associated with multiple malformations using dual-source computed tomography. PLoS ONE, 2017, 12, e0187578.	2.5	5
69	Additive effect of aortic regurgitation degree on left ventricular strain inÂpatients with type 2 diabetes mellitus evaluated via cardiac magnetic resonance tissue tracking. Cardiovascular Diabetology, 2022, 21, 37.	6.8	5
70	Atrioventricular coupling and left atrial abnormality in type 2 diabetes mellitus with functional mitral regurgitation patients verified by cardiac magnetic resonance imaging. Cardiovascular Diabetology, 2022, 21, .	6.8	5
71	Dual-source computed tomography for quantitative assessment of tracheobronchial anomaly from type IIA pulmonary artery sling in pediatric patients. European Journal of Radiology, 2018, 102, 30-35.	2.6	4
72	Accurate identification of myocardial viability after myocardial infarction with novel manganese chelateâ€based MR imaging. NMR in Biomedicine, 2019, 32, e4158.	2.8	4

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73	Left Ventricular Deformation in Patients with Connective Tissue Disease: Evaluated by 3.0T Cardiac Magnetic Resonance Tissue Tracking. Scientific Reports, 2019, 9, 17913.	3.3	4
74	The mitral regurgitation effects of cardiac structure and function in left ventricular noncompaction. Scientific Reports, 2021, 11, 4616.	3.3	4
75	Characterization of infarcted myocardium by T1-mapping and its association with left ventricular remodeling. European Journal of Radiology, 2021, 137, 109590.	2.6	4
76	Characteristics of coronary artery disease in patients with subclinical hypothyroidism: evaluation using coronary artery computed tomography angiography. BMC Cardiovascular Disorders, 2021, 21, 303.	1.7	4
77	Global, segmental and layer specific analysis of myocardial involvement in Duchenne muscular dystrophy by cardiovascular magnetic resonance native T1 mapping. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 110.	3.3	4
78	Impact of Type 2 Diabetes Mellitus on Epicardial Adipose Tissue and Myocardial Microcirculation by <scp>MRI</scp> in Postmenopausal Women. Journal of Magnetic Resonance Imaging, 2022, , .	3 <b>.</b> 4	4
79	Impact of type 2 diabetes mellitus on left ventricular deformation in non-ischemic dilated cardiomyopathy patients assessed by cardiac magnetic resonance imaging. Cardiovascular Diabetology, 2022, 21, .	6.8	4
80	Computed tomography for evaluating right ventricle and pulmonary artery in pediatric tetralogy of Fallot: correlation with post-operative pulmonary regurgitation. Scientific Reports, 2018, 8, 7515.	3.3	3
81	Anatomical characteristics of anomalous left coronary artery from the opposite sinus (left-ACAOS) and its clinical relevance: A serial coronary CT angiography study. IJC Heart and Vasculature, 2020, 31, 100649.	1.1	3
82	The Prognostic Value of Radiomics Features Extracted From Computed Tomography in Patients With Localized Clear Cell Renal Cell Carcinoma After Nephrectomy. Frontiers in Oncology, 2021, 11, 591502.	2.8	3
83	Increased oxygenation is associated with myocardial inflammation and adverse regional remodeling after acute ST-segment elevation myocardial infarction. European Radiology, 2021, 31, 8956-8966.	4.5	3
84	Effect of Smoking on Coronary Artery Plaques in Type 2 Diabetes Mellitus: Evaluation With Coronary Computed Tomography Angiography. Frontiers in Endocrinology, 2021, 12, 750773.	3 <b>.</b> 5	3
85	Preoperative assessment of mitral valve abnormalities in left atrial myxoma patients using cardiac CT. Oncotarget, 2017, 8, 57583-57593.	1.8	2
86	Erdheim–Chester disease: a case treated with IFN-α monitored using plasma and urine cell-free DNA. Immunotherapy, 2020, 12, 379-387.	2.0	2
87	Corona Virus Disease 2019 (COVID-19): the image tells the truth. Infection, 2020, 48, 981-984.	4.7	2
88	A comprehensive prognostic analysis of osimertinib treatment in advanced non-small cell lung cancer patients with acquired EGFR-T790M mutation: a real-world study. Journal of Cancer Research and Clinical Oncology, 2022, 148, 2475-2486.	2.5	2
89	Impact of myocardial scars on left ventricular deformation in type 2 diabetes mellitus after myocardial infarction by contrast-enhanced cardiac magnetic resonance. Cardiovascular Diabetology, 2021, 20, 215.	6.8	2
90	Association of myocardial fibrosis detected by late gadolinium-enhanced MRI with clinical outcomes in patients with diabetes: a systematic review and meta-analysis. BMJ Open, 2022, 12, e055374.	1.9	2

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91	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. BMC Cardiovascular Disorders, 2022, 22, 30.	1.7	2
92	Comparison of cardiovascular magnetic resonance features and clinical consequences in patients with left ventricular non-compaction with and without mitral regurgitationâ€"a multi-institutional study of the retrospective cohort study. Cardiovascular Diagnosis and Therapy, 2022, 12, 241-252.	1.7	2
93	Association of left ventricular systolic dysfunction with coronary artery dilation in Kawasaki disease patients: Assessment with cardiovascular magnetic resonance. European Journal of Radiology, 2021, 145, 110039.	2.6	2
94	Assessment of a left circumflex coronary artery–left ventricle fistula by multimodality imaging in a child. Cardiology in the Young, 2017, 27, 570-572.	0.8	1
95	Myocardial bridging in left main coronary artery. Coronary Artery Disease, 2018, 29, 274-275.	0.7	1
96	Preoperative Assessment of Coronary Arteries by Cardiac Computed Tomography in Patients with Lung Cancer. Thoracic and Cardiovascular Surgeon, 2020, 68, 169-175.	1.0	1
97	Noninvasive oxygenation assessment after acute myocardial infarction with breathing m <scp>aneuversâ€induced</scp> o <scp>xygenationâ€sensitive</scp> magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2021, 54, 284-289.	3.4	1
98	Application of Dual-Source CT Coronary Angiography in Type 2 Diabetic Patients with Symptomatic Coronary Heart Disease. Current Vascular Pharmacology, 2016, 15, 59-65.	1.7	1
99	Effect of Mitral Regurgitation on Left Ventricular Deformation in Myocardial Infarction Patients: Evaluation by Cardiac Magnetic Resonance Imaging. Journal of Magnetic Resonance Imaging, 2022, 56, 790-800.	3.4	1
100	Comparison of Silicosis and Tuberculosis Involving Mediastinal Lymph Nodes Based on Contrast-Enhanced Multidetector-Row Computed Tomography. Lung, 2022, 200, 261-268.	3.3	1
101	Additive Effects of Obesity on Myocardial Microcirculation and Left Ventricular Deformation in Essential Hypertension: A Contrast-Enhanced Cardiac Magnetic Resonance Imaging Study. Frontiers in Cardiovascular Medicine, 2022, 9, 831231.	2.4	1
102	Myocardial microvascular function assessed by CMR first-pass perfusion in patients treated with chemotherapy for gynecologic malignancies. European Radiology, 2022, 32, 6850-6858.	4.5	1
103	Reply to "Letter to the Editor Preoperative evaluation of coronary artery fistula using dual-source computed tomography― International Journal of Cardiology, 2017, 234, 118.	1.7	0
104	Native T1 mapping for characterization of acute and chronic myocardial infarction in swine: Comparison with contrast-enhanced MRI. Journal of Magnetic Resonance Imaging, 2018, 47, spcone-spcone.	3.4	0
105	How cardiologists respond to COVID-19: the experience of West China Hospital, China. Internal and Emergency Medicine, 2020, 15, 1561-1565.	2.0	0
106	Effect of prediabetes on the long-term all-cause mortality of patients undergoing percutaneous coronary intervention. Medicine (United States), 2020, 99, e21623.	1.0	0
107	Primary left ventricular neuroendocrine tumor in a middle-aged female: a case report. Annals of Translational Medicine, 2020, 8, 653-653.	1.7	0
108	Rationale, design, and baseline characteristics of Chinese registry in early detection and risk stratification of coronary plaques (C-STRAT) study. Chinese Medical Journal, 2021, 134, 870-872.	2.3	0

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109	Inflammation in Remote Myocardium and Left Ventricular Remodeling After Acute Myocardial Infarction: A Pilot Study Using T2 Mapping. Journal of Magnetic Resonance Imaging, 2022, 55, .	3.4	O
110	Malignancies in Chinese patients with immunoglobulin G4-related disease. Clinical and Experimental Rheumatology, 2021, 39, 434.	0.8	0
111	Quantitative assessment of left ventricular myocardial involvement in patients with connective tissue disease: a 3.0T contrast-enhanced cardiovascular magnetic resonance study. International Journal of Cardiovascular Imaging, 2022, , .	1.5	0
112	Malignancies in Chinese patients with immunoglobulin G4-related disease. Clinical and Experimental Rheumatology, 2021, 39, 434-434.	0.8	0