

# Minjie Lu

## List of Publications by Year in descending order

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98  
papers

2,133  
citations

279487

23  
h-index

288905

40  
g-index

102  
all docs

102  
docs citations

102  
times ranked

3401  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of imaging in 2019 novel coronavirus pneumonia (COVID-19). <i>European Radiology</i> , 2020, 30, 4874-4882.	2.3	223
2	Isolated Coronary Artery Bypass Graft Combined With Bone Marrow Mononuclear Cells Delivered Through a Graft Vessel for Patients With Previous Myocardial Infarction and Chronic Heart Failure. <i>Journal of the American College of Cardiology</i> , 2011, 57, 2409-2415.	1.2	97
3	Bone Marrow Mesenchymal Stem Cells (BM-MSCs) Improve Heart Function in Swine Myocardial Infarction Model through Paracrine Effects. <i>Scientific Reports</i> , 2016, 6, 28250.	1.6	86
4	Quantification of left atrial function in patients with non-obstructive hypertrophic cardiomyopathy by cardiovascular magnetic resonance feature tracking imaging: a feasibility and reproducibility study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 1.	1.6	86
5	Atorvastatin Enhance Efficacy of Mesenchymal Stem Cells Treatment for Swine Myocardial Infarction via Activation of Nitric Oxide Synthase. <i>PLoS ONE</i> , 2013, 8, e65702.	1.1	72
6	MRI T1 Mapping in Hypertrophic Cardiomyopathy: Evaluation in Patients Without Late Gadolinium Enhancement and Hemodynamic Obstruction. <i>Radiology</i> , 2020, 294, 275-286.	3.6	67
7	Varied distributions of late gadolinium enhancement found among patients meeting cardiovascular magnetic resonance criteria for isolated left ventricular non-compaction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 20.	1.6	59
8	Computed tomography angiography-derived fractional flow reserve (CT-FFR) for the detection of myocardial ischemia with invasive fractional flow reserve as reference: systematic review and meta-analysis. <i>European Radiology</i> , 2020, 30, 712-725.	2.3	54
9	Multiple gene mutations, not the type of mutation, are the modifier of left ventricle hypertrophy in patients with hypertrophic cardiomyopathy. <i>Molecular Biology Reports</i> , 2013, 40, 3969-3976.	1.0	51
10	Contrast-free detection of myocardial fibrosis in hypertrophic cardiomyopathy patients with diffusion-weighted cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 107.	1.6	48
11	Dynamic stress computed tomography myocardial perfusion for detecting myocardial ischemia: A systematic review and meta-analysis. <i>International Journal of Cardiology</i> , 2018, 258, 325-331.	0.8	46
12	State-of-the-art myocardial strain by CMR feature tracking: clinical applications and future perspectives. <i>European Radiology</i> , 2022, 32, 5424-5435.	2.3	43
13	Fat Deposition in Dilated Cardiomyopathy Assessed by CMR. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 889-898.	2.3	41
14	Integrin $\beta$ 21D Deficiency Mediated RyR2 Dysfunction Contributes to Catecholamine-Sensitive Ventricular Tachycardia in Arrhythmogenic Right Ventricular Cardiomyopathy. <i>Circulation</i> , 2020, 141, 1477-1493.	1.6	41
15	Intracoronary delivery of autologous bone marrow mononuclear cells radiolabeled by $^{18}\text{F}$ -fluoro-deoxy-glucose: Tissue distribution and impact on post-infarct swine hearts. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 64-74.	1.2	40
16	T1 Mapping and Extracellular Volume Fraction in Dilated Cardiomyopathy. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 578-590.	2.3	40
17	Magnetic Resonance Imaging with Superparamagnetic Iron Oxide Fails to Track the Long-term Fate of Mesenchymal Stem Cells Transplanted into Heart. <i>Scientific Reports</i> , 2015, 5, 9058.	1.6	39
18	Prognostic value of T1 mapping and extracellular volume fraction in cardiovascular disease: a systematic review and meta-analysis. <i>Heart Failure Reviews</i> , 2018, 23, 723-731.	1.7	37

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19	The relative atrial volume ratio and late gadolinium enhancement provide additive information to differentiate constrictive pericarditis from restrictive cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 15.	1.6	36
20	A pilot trial of autologous bone marrow mononuclear cell transplantation through grafting artery: A sub-study focused on segmental left ventricular function recovery and scar reduction. <i>International Journal of Cardiology</i> , 2013, 168, 2221-2227.	0.8	31
21	T1 mapping for detection of left ventricular myocardial fibrosis in hypertrophic cardiomyopathy: A preliminary study. <i>European Journal of Radiology</i> , 2013, 82, e225-e231.	1.2	30
22	The role of 4D flow MRI for clinical applications in cardiovascular disease: current status and future perspectives. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 4193-4210.	1.1	29
23	Comparison of cardiovascular magnetic resonance characteristics and clinical consequences in children and adolescents with isolated left ventricular non-compaction with and without late gadolinium enhancement. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 44.	1.6	28
24	Myocardial extracellular volume fraction quantified by cardiovascular magnetic resonance is increased in hypertension and associated with left ventricular remodeling. <i>European Radiology</i> , 2017, 27, 4620-4630.	2.3	26
25	Relationship of myocardial hibernation, scar, and angiographic collateral flow in ischemic cardiomyopathy with coronary chronic total occlusion. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 1720-1730.	1.4	25
26	Early detection of left atrial dysfunction assessed by CMR feature tracking in hypertensive patients. <i>European Radiology</i> , 2020, 30, 702-711.	2.3	25
27	The relationship between electrocardiographic changes and CMR features in asymptomatic or mildly symptomatic patients with hypertrophic cardiomyopathy. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 55-63.	0.7	24
28	Deep learning algorithm to improve hypertrophic cardiomyopathy mutation prediction using cardiac cine images. <i>European Radiology</i> , 2021, 31, 3931-3940.	2.3	24
29	Early Left Ventricular Involvement Detected by Cardiovascular Magnetic Resonance Feature Tracking in Arrhythmogenic Right Ventricular Cardiomyopathy: The Effects of Left Ventricular Late Gadolinium Enhancement and Right Ventricular Dysfunction. <i>Journal of the American Heart Association</i> , 2019, 8, e012989.	1.6	23
30	Heart Failure With Preserved Ejection Fraction in Hypertension Patients: A Myocardial Strain Study. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 527-539.	1.9	22
31	Predictors of Outcome After Alcohol Septal Ablation for Hypertrophic Obstructive Cardiomyopathy. <i>Circulation: Cardiovascular Interventions</i> , 2016, 9, e002675.	1.4	21
32	Left atrial dysfunction may precede left atrial enlargement and abnormal left ventricular longitudinal function: a cardiac MR feature tracking study. <i>BMC Cardiovascular Disorders</i> , 2022, 22, 99.	0.7	21
33	The impacts of severe perfusion defects, akinetic/dyskinetic segments, and viable myocardium on the accuracy of volumes and LVEF measured by gated <sup>99m</sup> Tc-MIBI SPECT and gated <sup>18</sup> F-FDG PET in patients with left ventricular aneurysm: cardiac magnetic resonance imaging as the reference. <i>Journal of Nuclear Cardiology</i> , 2014, 21, 1230-1244.	1.4	20
34	Assessment of left ventricular twist mechanics by speckle tracking echocardiography reveals association between LV twist and myocardial fibrosis in patients with hypertrophic cardiomyopathy. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 1539-1548.	0.7	19
35	Comparison of diagnostic accuracy of stress myocardial perfusion imaging for detecting hemodynamically significant coronary artery disease between cardiac magnetic resonance and nuclear medical imaging: A meta-analysis. <i>International Journal of Cardiology</i> , 2019, 293, 278-285.	0.8	19
36	Contribution of Electrocardiogram in the Differentiation of Cardiac Amyloidosis and Nonobstructive Hypertrophic Cardiomyopathy. <i>International Heart Journal</i> , 2015, 56, 522-526.	0.5	18

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37	Relation Between N-Terminal Pro-Brain Natriuretic Peptide and Cardiac Remodeling and Function Assessed by Cardiovascular Magnetic Resonance Imaging in Patients With Arrhythmogenic Right Ventricular Cardiomyopathy. <i>American Journal of Cardiology</i> , 2015, 115, 341-347.	0.7	18
38	Dynamic Tracking of Injected Mesenchymal Stem Cells after Myocardial Infarction in Rats: A Serial 7T MRI Study. <i>Stem Cells International</i> , 2016, 2016, 1-10.	1.2	18
39	Detection of Recent Myocardial Infarction Using Native T1 Mapping in a Swine Model: A Validation Study. <i>Scientific Reports</i> , 2018, 8, 7391.	1.6	18
40	Whether Pulmonary Valve Replacement in Asymptomatic Patients With Moderate or Severe Regurgitation After Tetralogy of Fallot Repair Is Appropriate: A Caseâ€Control Study. <i>Journal of the American Heart Association</i> , 2019, 8, e010689.	1.6	18
41	Retrospective Electrocardiography-Gated Real-Time Cardiac Cine MRI at 3T: Comparison with Conventional Segmented Cine MRI. <i>Korean Journal of Radiology</i> , 2019, 20, 114.	1.5	18
42	Early Diastolic Longitudinal Strain Rate at MRI and Outcomes in Heart Failure with Preserved Ejection Fraction. <i>Radiology</i> , 2021, 301, 582-592.	3.6	17
43	Transplantation With Autologous Mesenchymal Stem Cells After Acute Myocardial Infarction Evaluated by Magnetic Resonance Imaging. <i>Journal of Thoracic Imaging</i> , 2012, 27, 125-135.	0.8	16
44	Arrhythmogenic Left Ventricular Cardiomyopathy: A Clinical and CMR Study. <i>Scientific Reports</i> , 2020, 10, 533.	1.6	16
45	Myocardial Scar Identified by Magnetic Resonance Imaging Can Predict Left Ventricular Functional Improvement after Coronary Artery Bypass Grafting. <i>PLoS ONE</i> , 2013, 8, e81991.	1.1	15
46	A Novel Risk Stratification Score for Sudden Cardiac Death Prediction in Middle-Aged, Nonischemic Dilated Cardiomyopathy Patients: The ESTIMATED Score. <i>Canadian Journal of Cardiology</i> , 2020, 36, 1121-1129.	0.8	15
47	Cardiac magnetic resonance imaging in arrhythmogenic right ventricular cardiomyopathy: correlation to the QRS dispersion. <i>Magnetic Resonance Imaging</i> , 2012, 30, 1454-1460.	1.0	14
48	CMR assessment and clinical outcomes of hypertrophic cardiomyopathy with or without ventricular remodeling in the end-stage phase. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 597-605.	0.7	14
49	Early Left Ventricular Diastolic Dysfunction and Abnormal Left Ventricular-left Atrial Coupling in Asymptomatic Patients With Hypertension. <i>Journal of Thoracic Imaging</i> , 2022, 37, 26-33.	0.8	14
50	Assessment of left ventricular myocardial scar in coronary artery disease by a three-dimensional MR imaging technique. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 72-79.	1.9	13
51	CMR assessment of the left ventricle apical morphology in subjects with unexplainable giant T-wave inversion and without apical wall thickness $\geq 15$ mm. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 186-194.	0.5	13
52	Multiparametric Cardiovascular Magnetic Resonance in Acute Myocarditis: Comparison of 2009 and 2018 Lake Louise Criteria With Endomyocardial Biopsy Confirmation. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 739892.	1.1	13
53	Cardiac magnetic resonance imaging characteristics of isolated left ventricular noncompaction in a Chinese adult Han population. <i>International Journal of Cardiovascular Imaging</i> , 2011, 27, 979-987.	0.7	12
54	The characterization and prognostic significance of right ventricular glucose metabolism in non-ischemic dilated cardiomyopathy. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 758-767.	1.4	12

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55	Inhibition of Luman/CREB3 expression leads to the upregulation of testosterone synthesis in mouse Leydig cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 15257-15269.	2.0	12
56	Age- and Sex-Specific Reference Values for Atrial and Ventricular Structures in the Validated Normal Chinese Population: A Comprehensive Measurement by Cardiac MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1031-1043.	1.9	12
57	First-in-Human Experience With a Novel Fully Bioabsorbable Occluder for Ventricular Septal Defect. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1139-1141.	1.1	11
58	Cardiac Phenotype Characterization at MRI in Patients with Danon Disease: A Retrospective Multicenter Case Series. <i>Radiology</i> , 2021, 299, 303-310.	3.6	11
59	Abnormalities of myocardial perfusion and glucose metabolism in patients with isolated left ventricular non-compaction. <i>Journal of Nuclear Cardiology</i> , 2014, 21, 633-642.	1.4	9
60	Clinical features and cardiovascular magnetic resonance characteristics in Danon disease. <i>Clinical Radiology</i> , 2020, 75, 712.e1-712.e11.	0.5	9
61	Myocardial viability in chronic ischemic heart disease: comparison of delayed-enhancement magnetic resonance imaging with 99mTc-sestamibi and 18F-fluorodeoxyglucose single-photon emission computed tomography. <i>Nuclear Medicine Communications</i> , 2009, 30, 610-616.	0.5	8
62	T-wave inversions related to left ventricular basal hypertrophy and myocardial fibrosis in non-apical hypertrophic cardiomyopathy: A cardiovascular magnetic resonance imaging study. <i>European Journal of Radiology</i> , 2014, 83, 297-302.	1.2	8
63	CREBZF regulates testosterone production in mouse Leydig cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 22819-22832.	2.0	8
64	Reduced myocardial septal function assessed by cardiac magnetic resonance feature tracking in patients with hypertrophic obstructive cardiomyopathy: associated with histological myocardial fibrosis and ventricular arrhythmias. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1006-1015.	0.5	8
65	Metabolic characterization of hypertrophic cardiomyopathy in human heart. , 2022, 1, 445-461.		8
66	Comparative study of CMR characteristics between arrhythmogenic right ventricular cardiomyopathy patients with/without syncope. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 1365-1372.	0.7	7
67	Myocardial late gadolinium enhancement: a head-to-head comparison of motion-corrected balanced steady-state free precession with segmented turbo fast low angle shot. <i>Clinical Radiology</i> , 2018, 73, 593.e1-593.e9.	0.5	7
68	MRI Characteristics, Prevalence, and Outcomes of Hypertrophic Cardiomyopathy with Restrictive Phenotype. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190158.	0.9	6
69	Patients who do not fulfill criteria for hypertrophic cardiomyopathy but have unexplained giant T-wave inversion: a cardiovascular magnetic resonance mid-term follow-up study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 67.	1.6	6
70	Detection of Myocardial Fibrosis and Left Ventricular Dysfunction with Cardiac MRI in a Hypertensive Swine Model. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190214.	0.9	5
71	Integrated transcriptomics and epigenomics reveal chamber-specific and species-specific characteristics of human and mouse hearts. <i>PLoS Biology</i> , 2021, 19, e3001229.	2.6	5
72	Left Ventricular Longitudinal Dyssynchrony by CMR Feature Tracking Is Related to Adverse Prognosis in Advanced Arrhythmogenic Cardiomyopathy. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 712832.	1.1	5

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73	Left Ventricular Strain Measurements Derived from MR Feature Tracking: A Head-to-Head Comparison of a Higher Temporal Resolution Method With a Conventional Method. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 801-811.	1.9	5
74	A Rare Case With Pulmonary and Cardiac Inflammatory Myofibroblastic Tumor. <i>Circulation</i> , 2015, 131, e511-3.	1.6	4
75	3.0 T magnetic resonance imaging scanning on different body regions in patients with pacemakers. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2021, 61, 545-550.	0.6	4
76	Prognostic significance of myocardial fibrosis and CMR characteristics in bicuspid aortic valve with moderate and severe aortic insufficiency. <i>European Radiology</i> , 2021, 31, 7262-7272.	2.3	4
77	Reference values of thoracic aorta and pulmonary artery diameters by age and gender in healthy Chinese adults assessed by cardiac magnetic resonance imaging: data from national center for cardiovascular diseases of China. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 1423-1431.	0.7	4
78	Heart failure with preserved ejection fraction assessed by cardiac magnetic resonance: From clinical uses to emerging techniques. <i>Trends in Cardiovascular Medicine</i> , 2023, 33, 141-147.	2.3	4
79	<b>Transcatheter Closure of Coronary Artery Fistulae</b>: Initial Human Experience With the Amplatzer Duct Occluder II. <i>Journal of Interventional Cardiology</i> , 2013, 26, 359-365.	0.5	3
80	Aortic regurgitation is common in hypertrophic cardiomyopathy: An echocardiography and cardiovascular magnetic resonance study. <i>European Journal of Radiology</i> , 2020, 124, 108836.	1.2	3
81	Relationship Between Fragmented QRS Complex and Left Ventricular Fibrosis and Function in Patients With Danon Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 790917.	1.1	3
82	Three-Dimensional Phase-Sensitive Inversion-Recovery Turbo FLASH Sequence for the Assessment of Left Ventricular Myocardial Scar in Swine. <i>PLoS ONE</i> , 2013, 8, e78305.	1.1	2
83	CMR publications from China of the last more than 30 years. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 1737-1747.	0.7	2
84	Left Ventricular Myocardial Remodeling and Prognostic Marker Derived from Postmyectomy Cardiac MRI Feature Tracking in Hypertrophic Obstructive Cardiomyopathy. <i>Radiology: Cardiothoracic Imaging</i> , 2022, 4, e210172.	0.9	2
85	CMR Characteristics, gene variants and long-term outcome in patients with left ventricular non-compaction cardiomyopathy. <i>Insights Into Imaging</i> , 2021, 12, 184.	1.6	2
86	Pulmonary Valve Replacement in Repaired Tetralogy of Fallot: Midterm Impact on Biventricular Response and Adverse Clinical Outcomes. <i>Frontiers in Pediatrics</i> , 2022, 10, .	0.9	2
87	Transcatheter Occlusion of Azygos/Hemiazygos Vein in Patients with Systemic Venous Collateral Development after the Bidirectional Glenn Procedure. <i>Cardiology</i> , 2014, 128, 293-300.	0.6	1
88	The value of CMR for determination of heart failure etiology: An unusual case with histology validation. <i>International Journal of Cardiology</i> , 2017, 226, 38-41.	0.8	1
89	Additional Value of Non-contrast Chest CT in the Prediction of Adverse Cardiovascular Events in Patients With Novel Coronavirus Disease 2019 (COVID-19). <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 738044.	1.1	1
90	FREE-BREATHING 3D LATE GADOLINIUM ENHANCEMENT CARDIAC MR FOR THE EVALUATION OF LEFT VENTRICULAR INFARCTION IN A SWINE MYOCARDIAL INFARCTION MODEL. <i>Heart</i> , 2012, 98, E71.2-E72.	1.2	0

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91	EFFECTS OF AUTOLOGOUS BONE MARROW MONONUCLEAR CELLS TRANSPLANTATION VIA CORONARY ARTERY IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION ASSESSED BY MRI. <i>Heart</i> , 2012, 98, E172.3-E172.	1.2	0
92	MYOCARDIAL FAT DEPOSITION IN DILATED CARDIOMYOPATHY—ASSESSMENT BY USING MR WATER-FAT SEPARATION IMAGING. <i>Heart</i> , 2012, 98, E249.3-E250.	1.2	0
93	GW24-e3663—T1 Mapping for Detection of Left Ventricular Myocardial Fibrosis in Hypertrophic Cardiomyopathy: A Preliminary Study. <i>Heart</i> , 2013, 99, A265.2-A265.	1.2	0
94	GW24-e3669—Transcatheter closure of coronary artery fistulae: Initial human experience with the amplatzer duct occluder II. <i>Heart</i> , 2013, 99, A230.1-A230.	1.2	0
95	Reply. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 433.	2.3	0
96	GW29-e0111 Hypertrophic Cardiomyopathy Is an Unneglectable Cause of Chronic Aortic Regurgitation: An Echocardiography and Cardiac Magnetic Resonance Imaging Study. <i>Journal of the American College of Cardiology</i> , 2018, 72, C180.	1.2	0
97	GW29-e1757 Normal Values of Thoracic Aorta and Pulmonary Artery Diameter by Age and Gender in Healthy Chinese Adults Assessed by Cardiac Magnetic Resonance Imaging. <i>Journal of the American College of Cardiology</i> , 2018, 72, C203.	1.2	0
98	GW24-e1792—The prognostic role of myocardial fibrosis detected by cardiac magnetic resonance in hypertrophic cardiomyopathy. <i>Heart</i> , 2013, 99, A234.2-A234.	1.2	0