

# Liang Zhong

## List of Publications by Year in descending order

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140  
papers

2,789  
citations

172457

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233421

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147  
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147  
docs citations

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times ranked

3141  
citing authors

#	ARTICLE	IF	CITATIONS
1	Left Atrial Phasic Function in Older Adults Is Associated with Fibrotic and Low-Grade Inflammatory Pathways. <i>Gerontology</i> , 2023, 69, 47-56.	2.8	3
2	Editorial for "Quiescent Interval Slice-Selective (QISS) MRI Accurately Estimates Intravascular Stent Dimensions Prior to Intervention in Patients with Peripheral Artery Disease". <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1810-1811.	3.4	0
3	Nanoparticles-reinforced poly-l-lactic acid composite materials as bioresorbable scaffold candidates for coronary stents: Insights from mechanical and finite element analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 125, 104977.	3.1	4
4	Ventricular flow analysis and its association with exertional capacity in repaired tetralogy of Fallot: 4D flow cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 4.	3.3	15
5	Sex differences in assessing stenosis severity between physician visual assessment and quantitative coronary angiography. <i>International Journal of Cardiology</i> , 2022, 348, 9-14.	1.7	5
6	Editorial for "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, 812-813.	3.4	0
7	Stent malapposition generates stent thrombosis: Insights from a thrombosis model. <i>International Journal of Cardiology</i> , 2022, 353, 43-45.	1.7	9
8	Retroperitoneoscopic renal and adrenal specimen resection surgery in children. <i>Wideochirurgia i Inne Techniki Maloinwazyjne</i> , 2021, 16, 256-263.	0.7	0
9	Multicenter Consistency Assessment of Valvular Flow Quantification With Automated Valve Tracking in 4D Flow CMR. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1354-1366.	5.3	21
10	Cardiovascular magnetic resonance-assessed fast global longitudinal strain parameters add diagnostic and prognostic insights in right ventricular volume and pressure loading disease conditions. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 38.	3.3	14
11	Standard and emerging CMR methods for mitral regurgitation quantification. <i>International Journal of Cardiology</i> , 2021, 331, 316-321.	1.7	24
12	Exacerbation of cardiovascular ageing by diabetes mellitus and its associations with acyl-carnitines. <i>Aging</i> , 2021, 13, 14785-14805.	3.1	10
13	Age- and Sex-Specific Changes in CMR Feature Tracking-Based Right Atrial and Ventricular Functional Parameters in Healthy Asians. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 664431.	2.4	3
14	Impact of age, sex and ethnicity on intra-cardiac flow components and left ventricular kinetic energy derived from 4D flow CMR. <i>International Journal of Cardiology</i> , 2021, 336, 105-112.	1.7	10
15	Computed Tomography Coronary Angiography and Computational Fluid Dynamics Based Fractional Flow Reserve Before and After Percutaneous Coronary Intervention. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 739667.	4.1	5
16	Amino acid differences between diabetic older adults and non-diabetic older adults and their associations with cardiovascular function. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 158, 63-71.	1.9	12
17	Detection of persistent systolic and diastolic abnormalities in asymptomatic pediatric repaired tetralogy of Fallot patients with preserved ejection fraction: a CMR feature tracking study. <i>European Radiology</i> , 2021, 31, 6156-6168.	4.5	10
18	Right-left ventricular shape variations in tetralogy of Fallot: associations with pulmonary regurgitation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 105.	3.3	15

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19	Diagnostic Performance of Fractional Flow Reserve From CT Coronary Angiography With Analytical Method. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 739633.	2.4	7
20	Coronary Artery Extraction from CT Coronary Angiography with Augmentation on Partially Labelled Data. , 2021, 2021, 3800-3803.		1
21	Assessment of mitral valve regurgitation by cardiovascular magnetic resonance imaging. <i>Nature Reviews Cardiology</i> , 2020, 17, 298-312.	13.7	103
22	Quantification of effects of mean blood pressure and left ventricular mass on noninvasive fast fractional flow reserve. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H360-H369.	3.2	6
23	Five-Meter Walk Test as a Predictor of Prolonged Index Hospitalization After Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2020, 132, 100-105.	1.6	4
24	Feasibility and validation of trans-valvular flow derived by four-dimensional flow cardiovascular magnetic resonance imaging in pacemaker recipients. <i>Magnetic Resonance Imaging</i> , 2020, 74, 46-55.	1.8	5
25	Left Ventricular Blood Flow Kinetic Energy Assessment by 4D Flow Cardiovascular Magnetic Resonance: A Systematic Review of the Clinical Relevance. <i>Journal of Cardiovascular Development and Disease</i> , 2020, 7, 37.	1.6	10
26	How to Measure the Aorta Using MRI: A Practical Guide. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 971-977.	3.4	17
27	Long-term Prognostic Value of Cardiac MRI Left Atrial Strain in ST-Segment Elevation Myocardial Infarction. <i>Radiology</i> , 2020, 296, 299-309.	7.3	43
28	Fast long-axis strain: a simple, automatic approach for assessing left ventricular longitudinal function with cine cardiovascular magnetic resonance. <i>European Radiology</i> , 2020, 30, 3672-3683.	4.5	23
29	Three-dimensional biventricular strains in pulmonary arterial hypertension patients using hyperelastic warping. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 189, 105345.	4.7	7
30	A new non-invasive index for prognosis evaluation in patients with aortic stenosis. <i>Scientific Reports</i> , 2020, 10, 7333.	3.3	1
31	Patient-Specific Computational Analysis of Hemodynamics and Wall Mechanics and Their Interactions in Pulmonary Arterial Hypertension. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 611149.	4.1	8
32	Reference Ranges for Left Ventricular Curvedness and Curvedness-Based Functional Indices Using Cardiovascular Magnetic Resonance in Healthy Asian Subjects. <i>Scientific Reports</i> , 2020, 10, 8465.	3.3	2
33	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, spcone.	3.4	35
34	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 677-681.	3.4	32
35	Automatic Segmentation of Coronary Artery Lumen via Anisotropic Graph-cuts*. , 2019, 2019, 4871-4874.		1
36	Elevated Right Atrial Pressure Associated with Alteration of Left Ventricular Contractility and Ventricular-Arterial Coupling in Pulmonary Artery Hypertension*. , 2019, 2019, 820-823.		2

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37	A Multi-channel Deep Learning Approach for Segmentation of the Left Ventricular Endocardium from Cardiac Images. , 2019, 2019, 4016-4019.		5
38	Computational quantification of patient-specific changes in ventricular dynamics associated with pulmonary hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1363-H1375.	3.2	16
39	Impaired Cardiovascular Magnetic Resonanceâ€œDerived Rapid Semiautomated Right Atrial Longitudinal Strain Is Associated With Decompensated Hemodynamics in Pulmonary Arterial Hypertension. Circulation: Cardiovascular Imaging, 2019, 12, e008582.	2.6	48
40	In-silico assessment of the effects of right ventricular assist device on pulmonary arterial hypertension using an image based biventricular modeling framework. Mechanics Research Communications, 2019, 97, 101-111.	1.8	20
41	Age-related changes in four-dimensional CMR-derived atrioventricular junction velocities and displacements: Implications for the identification of altered annular dynamics for ventricular function assessment. IJC Heart and Vasculature, 2019, 22, 6-12.	1.1	3
42	Hemodynamics Simulation in the Left Anterior Descending Coronary Artery Tree. , 2019, , 257-281.		0
43	Cardiac Image Segmentation and Shape Modeling. , 2019, , 113-140.		0
44	Noninvasive Hemodynamic Assessment of the Significance of Coronary Artery Disease. , 2019, , 283-302.		0
45	Efficacy of intramyocardial injection of Algisyl-LVR for the treatment of ischemic heart failure in swine. International Journal of Cardiology, 2018, 255, 129-135.	1.7	27
46	Imaging 4D morphology and dynamics of mitral annulus in humans using cardiac cine MR feature tracking. Scientific Reports, 2018, 8, 81.	3.3	19
47	Comprehensive miRNA Analysis of Human Umbilical Cord-Derived Mesenchymal Stromal Cells and Extracellular Vesicles. Kidney and Blood Pressure Research, 2018, 43, 152-161.	2.0	30
48	Image-based computational assessment of vascular wall mechanics and hemodynamics in pulmonary arterial hypertension patients. Journal of Biomechanics, 2018, 68, 84-92.	2.1	44
49	Advanced analyses of computed tomography coronary angiography can help discriminate ischemic lesions. International Journal of Cardiology, 2018, 267, 208-214.	1.7	14
50	Efficient estimation of personalized biventricular mechanical function employing gradientâ€œbased optimization. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2982.	2.1	30
51	Analysis of three-dimensional endocardial and epicardial strains from cardiac magnetic resonance in healthy subjects and patients with hypertrophic cardiomyopathy. Medical and Biological Engineering and Computing, 2018, 56, 159-172.	2.8	9
52	Validation of a rapid semi-automated method to assess left atrial longitudinal phasic strains on cine cardiovascular magnetic resonance imaging. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 71.	3.3	57
53	Comparison of Image Acquisition Techniques in Four-Dimensional Flow Cardiovascular MR on 3 Tesla in Volunteers and Tetralogy of Fallot Patients. , 2018, 2018, 1115-1118.		6
54	Computational Platform Based on Deep Learning for Segmenting Ventricular Endocardium in Long-axis Cardiac MR Imaging. , 2018, 2018, 4500-4503.		9

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55	Normal Values of Myocardial Deformation Assessed by Cardiovascular Magnetic Resonance Feature Tracking in a Healthy Chinese Population: A Multicenter Study. <i>Frontiers in Physiology</i> , 2018, 9, 1181.	2.8	48
56	Validation of right coronary artery lumen area from cardiac computed tomography against intravascular ultrasound. <i>Machine Vision and Applications</i> , 2018, 29, 1287-1298.	2.7	8
57	Multi-dimensional proprio-proximus machine learning for assessment of myocardial infarction. <i>Computerized Medical Imaging and Graphics</i> , 2018, 70, 63-72.	5.8	6
58	Quantification of Biventricular Strains in Heart Failure With Preserved Ejection Fraction Patient Using Hyperelastic Warping Method. <i>Frontiers in Physiology</i> , 2018, 9, 1295.	2.8	12
59	Metabolomic correlates of aerobic capacity among elderly adults. <i>Clinical Cardiology</i> , 2018, 41, 1300-1307.	1.8	15
60	Left Ventricular Wall Stress Is Sensitive Marker of Hypertrophic Cardiomyopathy With Preserved Ejection Fraction. <i>Frontiers in Physiology</i> , 2018, 9, 250.	2.8	14
61	Application of Patient-Specific Computational Fluid Dynamics in Coronary and Intra-Cardiac Flow Simulations: Challenges and Opportunities. <i>Frontiers in Physiology</i> , 2018, 9, 742.	2.8	77
62	Dissecting Clinical and Metabolomics Associations of Left Atrial Phasic Function by Cardiac Magnetic Resonance Feature Tracking. <i>Scientific Reports</i> , 2018, 8, 8138.	3.3	24
63	Combined diagnostic performance of coronary computed tomography angiography and computed tomography derived fractional flow reserve for the evaluation of myocardial ischemia: A meta-analysis. <i>International Journal of Cardiology</i> , 2017, 236, 100-106.	1.7	12
64	Ventricular Assist Devices: Current State and Challenges. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2017, 11, .	0.7	7
65	Two-dimensional intraventricular flow pattern visualization using the image-based computational fluid dynamics. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 492-507.	1.6	16
66	Three-dimensional diastolic blood flow in the left ventricle. <i>Journal of Biomechanics</i> , 2017, 50, 71-76.	2.1	19
67	A Software Tool for Heart AVJ Motion Tracking Using Cine Cardiovascular Magnetic Resonance Images. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2017, 5, 1-12.	3.7	4
68	Patient-Specific Computational Analysis of Ventricular Mechanics in Pulmonary Arterial Hypertension. <i>Journal of Biomechanical Engineering</i> , 2016, 138, .	1.3	32
69	Characterization of patient-specific biventricular mechanics in heart failure with preserved ejection fraction: Hyperelastic warping. , 2016, 2016, 4149-4152.		3
70	Fast Marching and Rungeâ€“Kutta Based Method for Centreline Extraction of Right Coronary Artery in Human Patients. <i>Cardiovascular Engineering and Technology</i> , 2016, 7, 159-169.	1.6	11
71	Three-Dimensional Tricuspid Annular Motion Analysis from Cardiac Magnetic Resonance Feature-Tracking. <i>Annals of Biomedical Engineering</i> , 2016, 44, 3522-3538.	2.5	32
72	Novel Cardiac Contractility Index and Ventricular-Arterial Matching Index to Serve as Markers of Heart Failure. , 2016, , 71-91.		0

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73	Cardiomyopathy Effect on Left Ventricle Function (Shape and Contractility) and Improvement after Surgical Ventricular Restoration. , 2016, , 93-130.		0
74	NK Cell Regulatory Property is Involved in the Protective Role of MSC-Derived Extracellular Vesicles in Renal Ischemic Reperfusion Injury. Human Gene Therapy, 2016, 27, 926-935.	2.7	45
75	Propofol exposure during late stages of pregnancy impairs learning and memory in rat offspring <i>via</i> the <scp>BDNF</scp>â€”TrkB signalling pathway. Journal of Cellular and Molecular Medicine, 2016, 20, 1920-1931.	3.6	24
76	Atrioventricular junction (AV) motion tracking: A software tool with ITK/VTK/Qt. , 2016, 2016, 4141-4144.		1
77	Heart blood flow simulation: a perspective review. BioMedical Engineering OnLine, 2016, 15, 101.	2.7	78
78	Correcting motion in multiplanar cardiac magnetic resonance images. BioMedical Engineering OnLine, 2016, 15, 93.	2.7	1
79	The numerical analysis of non-Newtonian blood flow in human patient-specific left ventricle. Computer Methods and Programs in Biomedicine, 2016, 127, 232-247.	4.7	70
80	Cardiac MRI based numerical modeling of left ventricular fluid dynamics with mitral valve incorporated. Journal of Biomechanics, 2016, 49, 1199-1205.	2.1	38
81	Combined interventional and surgical treatment for a rare case of double patent ductus arteriosus. Experimental and Therapeutic Medicine, 2016, 11, 510-512.	1.8	0
82	Cardiac image segmentation by random walks with dynamic shape constraint. IET Computer Vision, 2016, 10, 79-86.	2.0	14
83	Simplified Models of Non-Invasive Fractional Flow Reserve Based on CT Images. PLoS ONE, 2016, 11, e0153070.	2.5	44
84	Novel method for atrioventricular motion assessment from three-dimensional cine magnetic resonance imaging. , 2015, 2015, 319-22.		4
85	Automated quantitative assessment of cardiovascular magnetic resonance-derived atrioventricular junction velocities. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1923-H1935.	3.2	27
86	The electronic stethoscope. BioMedical Engineering OnLine, 2015, 14, 66.	2.7	180
87	Microvesicles Derived from Human Umbilical Cord Mesenchymal Stem Cells Facilitate Tubular Epithelial Cell Dedifferentiation and Growth via Hepatocyte Growth Factor Induction. PLoS ONE, 2015, 10, e0121534.	2.5	114
88	Variational Reconstruction of Left Cardiac Structure from CMR Images. PLoS ONE, 2015, 10, e0145570.	2.5	2
89	Kinematic, Dynamic, and Energy Characteristics of Diastolic Flow in the Left Ventricle. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-12.	1.3	14
90	DECREASED LEFT VENTRICULAR CONTRACTILITY AND VENTRICULAR-ARTERIAL MATCHING INDEX CORRELATION WITH N-TERMINAL PRO B-TYPE NATRIURETIC PEPTIDE IN HEART FAILURE. Journal of Mechanics in Medicine and Biology, 2015, 15, 1540016.	0.7	1

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91	Computer-based assessment of ventricular mechanical synchrony from magnetic resonance imaging. , 2015, 2015, 6536-9.		5
92	Hemodynamic analysis of patient-specific coronary artery tree. International Journal for Numerical Methods in Biomedical Engineering, 2015, 31, e02708.	2.1	38
93	Regional ejection fraction and regional area strain for left ventricular function assessment in male patients after first-time myocardial infarction. Journal of the Royal Society Interface, 2015, 12, 20150006.	3.4	12
94	Left Ventricular Diastolic Function Assessment Using Time Differences Between Mitral Annular Velocities and Transmitral Inflow Velocities in Patients with Heart Failure. Heart Lung and Circulation, 2015, 24, 257-263.	0.4	1
95	Numerical Modeling of Intraventricular Flow during Diastole after Implantation of BMHV. PLoS ONE, 2015, 10, e0126315.	2.5	17
96	The Anti-Oxidative Role of Micro-Vesicles Derived from Human Wharton-Jelly Mesenchymal Stromal Cells through NOX2/gp91(phox) Suppression in Alleviating Renal Ischemia-Reperfusion Injury in Rats. PLoS ONE, 2014, 9, e92129.	2.5	104
97	Automatic Localization of the Left Ventricle from Cardiac Cine Magnetic Resonance Imaging: A New Spectrum-Based Computer-Aided Tool. PLoS ONE, 2014, 9, e92382.	2.5	22
98	Automatic 4D Reconstruction of Patient-Specific Cardiac Mesh with 1-to-1 Vertex Correspondence from Segmented Contours Lines. PLoS ONE, 2014, 9, e93747.	2.5	13
99	Evaluation of atrioventricular junction velocity by orthogonal polynomial fitting from cine magnetic resonance imaging and comparison with tissue Doppler Echocardiography. , 2014, , .		1
100	Characterization and quantification of curvature using independent coordinates method in the human left ventricle by magnetic resonance imaging to identify the morphology subtype of hypertrophy cardiomyopathy. , 2014, 2014, 5619-22.		1
101	Numerical Simulation and Clinical Implications of Stenosis in Coronary Blood Flow. BioMed Research International, 2014, 2014, 1-10.	1.9	19
102	Assessment of left ventricular preload by cardiac magnetic resonance imaging predicts exercise capacity in adult operated tetralogy of Fallot: a retrospective study. BMC Cardiovascular Disorders, 2014, 14, 122.	1.7	10
103	Coronary artery segmentation via Hessian filter and curve-skeleton extraction. , 2014, , .		9
104	Age and gender - Specific changes in left ventricular systolic function in human volunteers. International Journal of Cardiology, 2014, 172, e102-e105.	1.7	7
105	Perspective on CFD studies of coronary artery disease lesions and hemodynamics: A review. International Journal for Numerical Methods in Biomedical Engineering, 2014, 30, 659-680.	2.1	69
106	Numerical simulation of patient-specific left ventricular model with both mitral and aortic valves by FSI approach. Computer Methods and Programs in Biomedicine, 2014, 113, 474-482.	4.7	59
107	Numerical investigation of blood flow in three-dimensional porcine left anterior descending artery with various stenoses. Computers in Biology and Medicine, 2014, 47, 130-138.	7.0	22
108	Patient-specific blood flows and vortex formations in patients with hypertrophic cardiomyopathy using computational fluid dynamics. , 2014, , .		13

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109	Myocardial contractile dysfunction associated with increased 3-month and 1-year mortality in hospitalized patients with heart failure and preserved ejection fraction. <i>International Journal of Cardiology</i> , 2013, 168, 1975-1983.	1.7	18
110	Reconstructing patient-specific cardiac models from contours via Delaunay triangulation and graph-cuts. , 2013, 2013, 2976-9.		3
111	A Geometrical Approach for Automatic Shape Restoration of the Left Ventricle. <i>PLoS ONE</i> , 2013, 8, e68615.	2.5	8
112	Right ventricular regional wall curvedness and area strain in patients with repaired tetralogy of Fallot. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1306-H1316.	3.2	59
113	Three-Dimensional MRI-based Computational Fluid Modeling of the Left Ventricle for Patient before and after Surgical Ventricular Restoration. , 2012, , .		4
114	INTRA-LEFT VENTRICULAR FLOW DISTRIBUTIONS IN DIASTOLIC AND SYSTOLIC PHASES, BASED ON ECHO VELOCITY FLOW MAPPING OF NORMAL SUBJECTS AND HEART FAILURE PATIENTS, TO CHARACTERIZE LEFT VENTRICULAR PERFORMANCE OUTCOMES OF HEART FAILURE. <i>Journal of Mechanics in Medicine and Biology</i> , 2012, 12, 1240029.	0.7	2
115	A geometrical approach for evaluating left ventricular remodeling in myocardial infarct patients. <i>Computer Methods and Programs in Biomedicine</i> , 2012, 108, 500-510.	4.7	28
116	Effects of age and gender on left atrial ejection force and volume from real-time three-dimensional echocardiography. <i>Annals of the Academy of Medicine, Singapore</i> , 2012, 41, 161-9.	0.4	8
117	Improved aorto-ventricular matching in ischemic dilated cardiomyopathy patients after surgical ventricular restoration. <i>Medical Engineering and Physics</i> , 2011, 33, 1120-1126.	1.7	3
118	Attenuation of stress-based ventricular contractility in patients with heart failure and normal ejection fraction. <i>Annals of the Academy of Medicine, Singapore</i> , 2011, 40, 179-85.	0.4	8
119	Noninvasive Assessment of Left Ventricular Remodeling: Geometry, Wall Stress, and Function. , 2010, , 179-196.		1
120	CARDIAC CONTRACTILITY MEASURES OF LEFT VENTRICULAR SYSTOLIC FUNCTIONAL ASSESSMENT OF NORMAL AND DISEASED HEARTS. <i>Journal of Mechanics in Medicine and Biology</i> , 2009, 09, 555-578.	0.7	1
121	Left ventricular regional wall curvedness and wall stress in patients with ischemic dilated cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H573-H584.	3.2	79
122	Effects of Surgical Ventricular Restoration on Left Ventricular Contractility Assessed by a Novel Contractility Index in Patients With Ischemic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2009, 103, 674-679.	1.6	33
123	A curvature-based approach for left ventricular shape analysis from cardiac magnetic resonance imaging. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 313-322.	2.8	29
124	Nonalcoholic fatty liver disease: Quantitative assessment of liver fat content by computed tomography, magnetic resonance imaging and proton magnetic resonance spectroscopy. <i>Journal of Digestive Diseases</i> , 2009, 10, 315-320.	1.5	41
125	Clinical application of hepatic CT perfusion. <i>World Journal of Gastroenterology</i> , 2009, 15, 907.	3.3	20
126	Regional Assessment of Left Ventricular Surface Shape from Magnetic Resonance Imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 884-7.	0.5	5



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127	Validation of a novel noninvasive cardiac index of left ventricular contractility in patients. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H2764-H2772.	3.2	45
128	Magnetic resonance imaging in the detection of pancreatic neoplasms. Journal of Digestive Diseases, 2007, 8, 128-132.	1.5	9
129	Left ventricular shape-based contractility index. Journal of Biomechanics, 2006, 39, 2397-2409.	2.1	13
130	Explaining Left Ventricular Pressure Dynamics in Terms of LV Passive and Active Elastances. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2006, 220, 647-655.	1.8	13
131	Preoperative diagnosis of gastric cancer using 2-D magnetic resonance imaging with 3-D reconstruction techniques. Chinese Journal of Digestive Diseases, 2005, 6, 159-164.	1.0	11
132	MEASURES AND INDICES FOR INTRINSIC CHARACTERIZATION OF CARDIAC DYSFUNCTION DURING FILLING AND SYSTOLIC EJECTION. Journal of Mechanics in Medicine and Biology, 2005, 05, 307-332.	0.7	4
133	Passive and active ventricular elastances of the left ventricle. BioMedical Engineering OnLine, 2005, 4, 10.	2.7	39
134	Preoperative evaluation of pancreaticobiliary tumor using MR multi-imaging techniques. World Journal of Gastroenterology, 2005, 11, 3756.	3.3	31
135	Magnetic resonance cholangiopancreatography. Chinese Journal of Digestive Diseases, 2004, 5, 139-148.	1.0	18
136	Imaging diagnosis of pancreato-biliary diseases: A control study. World Journal of Gastroenterology, 2003, 9, 2824.	3.3	24
137	Autofluorescence imaging analysis of gastric cancer. Chinese Journal of Digestive Diseases, 2002, 3, 95-98.	1.0	3
138	Diagnosis of gastric cancer by using autofluorescence spectroscopy. Chinese Journal of Digestive Diseases, 2002, 3, 99-102.	1.0	1
139	Mitral regurgitation quantification by cardiac magnetic resonance imaging (MRI) remains reproducible between software solutions. Wellcome Open Research, 0, 6, 253.	1.8	0
140	Mitral regurgitation quantification by cardiac magnetic resonance imaging (MRI) remains reproducible between software solutions. Wellcome Open Research, 0, 6, 253.	1.8	0