

# Pierre Croisille

## List of Publications by Year in descending order

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186  
papers

7,156  
citations

94269

37  
h-index

62479

80  
g-index

199  
all docs

199  
docs citations

199  
times ranked

8374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Location of Hamstring Injuries Based on Magnetic Resonance Imaging: A Systematic Review. <i>Sports Health</i> , 2023, 15, 111-123.	1.3	5
2	Characterizing Myocardial Ischemia and Reperfusion Patterns with Hierarchical Manifold Learning. <i>Lecture Notes in Computer Science</i> , 2022, , 66-74.	1.0	1
3	Validation of cardiac diffusion tensor imaging sequences: A multicentre testâ€“retest phantom study. <i>NMR in Biomedicine</i> , 2022, 35, e4685.	1.6	2
4	Non-rigid motion-corrected free-breathing 3D myocardial Dixon LGE imaging in a clinical setting. <i>European Radiology</i> , 2022, 32, 4340-4351.	2.3	5
5	Kinetics of Cardiac Remodeling and Fibrosis Biomarkers During an Extreme Mountain Ultramarathon. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 790551.	1.1	3
6	Imaging Interstitial Fibrosis, LeftÂVentricular Remodeling, and Function in Stage A and B HeartÂFailure. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1038-1052.	2.3	42
7	Comparison of 2D simultaneous multi-slice and 3D GRASE readout schemes for pseudo-continuous arterial spin labeling of cerebral perfusion at 3 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 437-450.	1.1	3
8	Myofiber strain in healthy humans using DENSE and cDTI. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 277-292.	1.9	10
9	Colchicine for Left Ventricular Infarct Size Reduction in Acute Myocardial Infarction: A Phase II, Multicenter, Randomized, Double-Blinded, Placebo-Controlled Study Protocol â€“ The COVERT-MI Study. <i>Cardiology</i> , 2021, 146, 151-160.	0.6	12
10	Regional myocardial function at preclinical disease stage of hypertrophic cardiomyopathy in female gene variant carriers. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 2001-2010.	0.7	1
11	Cardiac Magnetic Resonance for Early Detection of Radiation Therapy-Induced Cardiotoxicity in a Small Animal Model. <i>JACC: CardioOncology</i> , 2021, 3, 113-130.	1.7	13
12	Direct Comparison of Bayesian and Fermi Deconvolution Approaches for Myocardial Blood Flow Quantification: In silico and Clinical Validations. <i>Frontiers in Physiology</i> , 2021, 12, 483714.	1.3	1
13	Impact of Distortion on Local Radiomic Analysis of Quadriceps Based on Quantitative Magnetic Resonance Imaging Data. <i>International Journal of Pharma Medicine and Biological Sciences</i> , 2021, 10, 49-54.	0.1	0
14	Nonculprit Artery Myocardial Infarction and Complex Coronary Lesions in Anterior ST-Elevated Myocardial Infarction Patients: Data from the CIRCUS Study. <i>Cardiology</i> , 2021, 146, 728-736.	0.6	0
15	Coupling hemodynamics with mechanobiology in patient-specific computational models of ascending thoracic aortic aneurysms. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 205, 106107.	2.6	21
16	Significance of Hemodynamics Biomarkers, Tissue Biomechanics and Numerical Simulations in the Pathogenesis of Ascending Thoracic Aortic Aneurysms. <i>Current Pharmaceutical Design</i> , 2021, 27, 1890-1898.	0.9	1
17	Effect of Colchicine on Myocardial Injury in Acute Myocardial Infarction. <i>Circulation</i> , 2021, 144, 859-869.	1.6	74
18	Association of myocardial hemorrhage and persistent microvascular obstruction with circulating inflammatory biomarkers in STEMI patients. <i>PLoS ONE</i> , 2021, 16, e0245684.	1.1	8

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19	Quantitative Magnetic Resonance Imaging Assessment of the Quadriceps Changes during an Extreme Mountain Ultramarathon. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 869-881.	0.2	7
20	297â€¦Cardiac fibrosis markers: galectin-3 and suppression of tumorigenicity 2 measurement in participant at the Tor des GÃ©ants. , 2021, , .		0
21	Motionâ€Induced Signal Loss in In Vivo Cardiac Diffusionâ€Weighted Imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 319-320.	1.9	7
22	Relationship Between Ascending Thoracic Aortic Aneurysms Hemodynamics and Biomechanical Properties. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 949-956.	2.5	22
23	Accuracy of right ventricular volume and function assessed with cardiovascular magnetic resonance: comparison with echocardiographic parameters. <i>Clinical Imaging</i> , 2020, 59, 61-67.	0.8	14
24	Predictive value of early cardiac magnetic resonance imaging functional and geometric indexes for adverse left ventricular remodelling in patients with anterior ST-segment elevation myocardial infarction: A report from the CIRCUS study. <i>Archives of Cardiovascular Diseases</i> , 2020, 113, 710-720.	0.7	10
25	Hemodynamics alteration in patient-specific dilated ascending thoracic aortas with tricuspid and bicuspid aortic valves. <i>Journal of Biomechanics</i> , 2020, 110, 109954.	0.9	8
26	Role of upfront CT pulmonary angiography at admission in COVID-19 patients. <i>Thrombosis Research</i> , 2020, 196, 138-140.	0.8	20
27	Gadobutrol-Enhanced Cardiac Magnetic Resonance Imaging for Detection of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1536-1547.	1.2	38
28	In vivo estimation of normal left ventricular stiffness and contractility based on routine cine MR acquisition. <i>Medical Engineering and Physics</i> , 2020, 85, 16-26.	0.8	12
29	T1 mapping performance and measurement repeatability: results from the multi-national T1 mapping standardization phantom program (TIMES). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 31.	1.6	23
30	MRI of Reperfused Acute Myocardial Infarction Edema: ADC Quantification versus T1 and T2 Mapping. <i>Radiology</i> , 2020, 295, 542-549.	3.6	18
31	Reliability of standardized ultrasound measurements of quadriceps muscle thickness in neurological critically ill patients: a comparison to computed tomography measures.. <i>Journal of Rehabilitation Medicine</i> , 2020, 52, jrm00032.	0.8	11
32	Computational prediction of hemodynamical and biomechanical alterations induced by aneurysm dilatation in patientâ€specific ascending thoracic aortas. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3326.	1.0	9
33	Cardiac MRI Endpoints in Myocardialâ€Infarction Experimental andâ€Clinicalâ€Trials. <i>Journal of the American College of Cardiology</i> , 2019, 74, 238-256.	1.2	235
34	A gradient-based optical-flow cardiac motion estimation method for cine and tagged MR images. <i>Medical Image Analysis</i> , 2019, 57, 136-148.	7.0	9
35	Automatic myocardial ischemic lesion detection on magnetic resonance perfusion weighted imaging prior perfusion quantification: A pre-modeling strategy. <i>Computers in Biology and Medicine</i> , 2019, 110, 108-119.	3.9	1
36	Myocardial adaptation after surgical therapy differs for aortic valve stenosis and hypertrophic obstructive cardiomyopathy. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1089-1100.	0.7	6

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37	Chemical-Shift-Encoded Magnetic Resonance Imaging and Spectroscopy to Reveal Immediate and Long-Term Multi-Organs Composition Changes of a 14-Days Periodic Fasting Intervention: A Technological and Case Report. <i>Frontiers in Nutrition</i> , 2019, 6, 5.	1.6	11
38	Neprilysin levels at the acute phase of ST-segment elevation myocardial infarction. <i>Clinical Cardiology</i> , 2019, 42, 32-38.	0.7	12
39	Comparison of strain imaging techniques in CRT candidates: CMR tagging, CMR feature tracking and speckle tracking echocardiography. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 443-456.	0.7	38
40	Potential of Low Energy UltraSound for Inducing Cardioprotection Mechanisms: In-Vitro Investigations on a Hypoxia-Reoxygenation Model of Cardiac Cells. , 2018, , .		0
41	Quantitative comparison of human myocardial fiber orientations derived from DTI and polarized light imaging. <i>Physics in Medicine and Biology</i> , 2018, 63, 215003.	1.6	14
42	Evaluation of Peak Wall Stress in an Ascending Thoracic Aortic Aneurysm Using FSI Simulations: Effects of Aortic Stiffness and Peripheral Resistance. <i>Cardiovascular Engineering and Technology</i> , 2018, 9, 707-722.	0.7	54
43	Ascending thoracic aorta aneurysm repair induces positive hemodynamic outcomes in a patient with unchanged bicuspid aortic valve. <i>Journal of Biomechanics</i> , 2018, 81, 145-148.	0.9	17
44	Regional cardiac function analysis from tagged MRI images. Comparison of techniques: Harmonic-Phase (HARP) versus Sinusoidal-Modeling (SinMod) analysis. <i>Magnetic Resonance Imaging</i> , 2018, 54, 271-282.	1.0	7
45	Strain analysis is superior to wall thickening in discriminating between infarcted myocardium with and without microvascular obstruction. <i>European Radiology</i> , 2018, 28, 5171-5181.	2.3	20
46	Strain imaging to predict response to cardiac resynchronization therapy: a systematic comparison of strain parameters using multiple imaging techniques. <i>ESC Heart Failure</i> , 2018, 5, 1130-1140.	1.4	24
47	Comparison of Different Strain-Based Parameters to Identify Human Left Ventricular Myocardial Infarct During Diastole: A 3D Finite-Element Study. <i>Lecture Notes in Bioengineering</i> , 2018, , 161-169.	0.3	1
48	Simultaneous strain-volume analysis by three-dimensional echocardiography. <i>Journal of Cardiovascular Medicine</i> , 2017, 18, 223-229.	0.6	9
49	Expanding the cardiac spectrum of Noonan syndrome with RIT1 variant: Left main coronary artery atresia causing sudden death. <i>European Journal of Medical Genetics</i> , 2017, 60, 299-302.	0.7	15
50	IMPACT OF AN ULTRA-MARATHON OF 330 KM ON PLASMA LEVELS OF CARDIAC BIOMARKERS. <i>British Journal of Sports Medicine</i> , 2017, 51, 348.1-348.	3.1	0
51	Letter by Mewton and Croisille Regarding Article, "Identification of High-Risk Patients After ST-Segment Elevation Myocardial Infarction: Comparison Between Angiographic and Magnetic Resonance Parameters". <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	0
52	Strain analysis in CRT candidates using the novel segment length in cine (SLICE) post-processing technique on standard CMR cine images. <i>European Radiology</i> , 2017, 27, 5158-5168.	2.3	4
53	Fluid- and Biomechanical Analysis of Ascending Thoracic Aorta Aneurysm with Concomitant Aortic Insufficiency. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2921-2932.	1.3	42
54	Myocardial Extracellular Volume Estimation by CMR Predicts Functional Recovery Following Acute MI. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 989-999.	2.3	57

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55	Extreme Mountain Ultra-Marathon Leads to Acute but Transient Increase in Cerebral Water Diffusivity and Plasma Biomarkers Levels Changes. <i>Frontiers in Physiology</i> , 2017, 7, 664.	1.3	16
56	Strain-Based Parameters for Infarct Localization: Evaluation via a Learning Algorithm on a Synthetic Database of Pathological Hearts. <i>Lecture Notes in Computer Science</i> , 2017, , 106-114.	1.0	2
57	Shear-Wave Elastography Assessments of Quadriceps Stiffness Changes prior to, during and after Prolonged Exercise: A Longitudinal Study during an Extreme Mountain Ultra-Marathon. <i>PLoS ONE</i> , 2016, 11, e0161855.	1.1	71
58	In vivo free-breathing DTI and IVIM of the whole human heart using a real-time slice-followed SE-EPI navigator-based sequence: A reproducibility study in healthy volunteers. <i>Magnetic Resonance in Medicine</i> , 2016, 76, spcone.	1.9	1
59	In vivo free-breathing DTI and IVIM of the whole human heart using a real-time slice-followed SE-EPI navigator-based sequence: A reproducibility study in healthy volunteers. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 70-82.	1.9	43
60	Apparent Diffusion coefficient (ADC), T1 and T2 quantitative indexes of the myocardium in athletes before, during and after extreme mountain ultra-marathon: correlation with myocardial damages and inflammation biomarkers. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, O41.	1.6	0
61	Quantifying the effect of tissue deformation on diffusion-weighted MRI: a mathematical model and an efficient simulation framework applied to cardiac diffusion imaging. <i>Physics in Medicine and Biology</i> , 2016, 61, 5662-5686.	1.6	8
62	Estimation of cardiac motion in cine-MRI sequences by correlation transform optical flow of monogenic features distance. <i>Physics in Medicine and Biology</i> , 2016, 61, 8640-8663.	1.6	8
63	Comparison of three diffusion encoding schemes for cardiac imaging under free breathing conditions.. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, W16.	1.6	0
64	Does T1-mapping in border-zone and/or remote regions can help to predict functional recovery after revascularization in chronic Coronary Total Occlusion (CTO) patients?. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, O45.	1.6	0
65	Image-Based Investigation of Human in Vivo Myofibre Strain. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 2486-2496.	5.4	17
66	Pre-PCI angiographic TIMI flow in the culprit coronary artery influences infarct size and microvascular obstruction in STEMI patients. <i>Journal of Cardiology</i> , 2016, 67, 248-253.	0.8	18
67	Effects of glycaemic variability on cardiac remodelling after reperfused myocardial infarction: Evaluation of streptozotocin-induced diabetic Wistar rats using cardiac magnetic resonance imaging. <i>Diabetes and Metabolism</i> , 2016, 42, 342-350.	1.4	8
68	A new look at left ventricular remodeling definition by cardiac imaging. <i>International Journal of Cardiology</i> , 2016, 209, 17-19.	0.8	20
69	Comparison of Immediate With Delayed Stenting Using the Minimalist Immediate Mechanical Intervention Approach in Acute ST-Segment-Elevation Myocardial Infarction. <i>Circulation: Cardiovascular Interventions</i> , 2016, 9, e003388.	1.4	71
70	Hubless 3D Medical Image Bundle Registration. , 2016, , .		3
71	Myocardial biomarkers and delayed enhanced cardiac magnetic resonance relationship in clinically suspected myocarditis and insight on clinical outcome. <i>Journal of Cardiovascular Medicine</i> , 2015, 16, 696.	0.6	28
72	Multimodal quantification and validation of 3D regional myocardial function. <i>Irmb</i> , 2015, 36, 70-79.	3.7	1

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73	Characterization of normal regional myocardial function by MRI cardiac tagging. Journal of Magnetic Resonance Imaging, 2015, 41, 83-92.	1.9	20
74	A novel contribution towards coherent and reproducible intravalvular measurement of the aortic annulus by multidetector computed tomography ahead of transcatheter aortic valve implantation. Archives of Cardiovascular Diseases, 2015, 108, 281-292.	0.7	3
75	Reply. Journal of the American College of Cardiology, 2015, 65, 2358-2359.	1.2	2
76	Analytic signal phase-based myocardial motion estimation in tagged MRI sequences by a bilinear model and motion compensation. Medical Image Analysis, 2015, 24, 149-162.	7.0	10
77	Myocardial Salvage, Area at Risk by T2w CMR. Journal of the American College of Cardiology, 2015, 65, 2357-2358.	1.2	0
78	Prediction of recovery after revascularization in chronic Coronary Total Occlusion (CTO) patients. Adenosine or low-dose dobutamine stress with LGE CMR: which is the best combination?. Journal of Cardiovascular Magnetic Resonance, 2015, 17, .	1.6	1
79	In vivo free-breathing DTI & MIM of the whole human heart using a real-time slice-followed SE-EPI navigator-based sequence: a reproducibility study in healthy volunteers. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P383.	1.6	2
80	Free-Breathing Diffusion Tensor Imaging and Tractography of the Human Heart in Healthy Volunteers Using Wavelet-Based Image Fusion. IEEE Transactions on Medical Imaging, 2015, 34, 306-316.	5.4	37
81	Automated Quantification of Myocardial Infarction Using a Hidden Markov Random Field Model and the EM Algorithm. Lecture Notes in Computer Science, 2015, , 256-264.	1.0	2
82	Cardiovascular magnetic resonance tagging imaging correlates with myocardial dysfunction and T2 mapping in idiopathic dilated cardiomyopathy. International Journal of Cardiovascular Imaging, 2014, 30, 145-152.	0.7	11
83	No post-conditioning in the human heart with thrombolysis in myocardial infarction flow 2-3 on admission. European Heart Journal, 2014, 35, 1675-1682.	1.0	41
84	Maximum energy tracking approach to reconstructing human cardiac fibers from DTI. , 2014, , .		0
85	Myocardial motion estimation using optical flow with multiple constraint equations. , 2014, , .		2
86	Quantification of Myocardial Extracellular Volume Fraction with Cardiac MR Imaging for Early Detection of Left Ventricle Involvement in Systemic Sclerosis. Radiology, 2014, 271, 373-380.	3.6	49
87	Subclinical diastolic dysfunction in young adults with Type 2 diabetes mellitus: a multiparametric contrast-enhanced cardiovascular magnetic resonance pilot study assessing potential mechanisms. European Heart Journal Cardiovascular Imaging, 2014, 15, 1263-1269.	0.5	58
88	CMRSegTools: an Osirix plugin for myocardial infarct sizing on DE-CMR images. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P204.	1.6	5
89	Type 2 diabetes mellitus and obesity in young adults: the extreme phenotype with early cardiovascular dysfunction. Diabetic Medicine, 2014, 31, 794-798.	1.2	30
90	A Comparative Study of Different Level Interpolations for Improving Spatial Resolution in Diffusion Tensor Imaging. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1317-1327.	3.9	10

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91	Quantification of left ventricular dyssynchrony in patients with systolic dysfunction: A comparison of circumferential strain MR tagging metrics. Journal of Magnetic Resonance Imaging, 2014, 40, 1238-1246.	1.9	9
92	Longitudinal Myocardial Strain Alteration Is Associated with Left Ventricular Remodeling in Asymptomatic Patients with Type 2 Diabetes Mellitus. Journal of the American Society of Echocardiography, 2014, 27, 479-488.	1.2	96
93	Influence of Microvascular Obstruction on Regional Myocardial Deformation in the Acute Phase of Myocardial Infarction: A Speckle-Tracking Echocardiography Study. Journal of the American Society of Echocardiography, 2014, 27, 93-100.	1.2	19
94	Assessment of myocardial partition coefficient of gadolinium ( $\lambda$ ) in dilated cardiomyopathy and its impact on segmental and global systolic function. Journal of Magnetic Resonance Imaging, 2014, 40, 1336-1341.	1.9	2
95	Postconditioning attenuates no-reflow in STEMI patients. Basic Research in Cardiology, 2013, 108, 383.	2.5	81
96	Assessment of Cardiac Motion Effects on the Fiber Architecture of the Human Heart In Vivo. IEEE Transactions on Medical Imaging, 2013, 32, 1928-1938.	5.4	22
97	Cardiac imaging research group. Results and future works. Irbm, 2013, 34, 21-23.	3.7	1
98	Quantification of Right and Left Ventricular Function in Cardiac MR Imaging: Comparison of Semiautomatic and Manual Segmentation Algorithms. Diagnostics, 2013, 3, 271-282.	1.3	10
99	Comparison of local sine wave modeling with harmonic phase analysis for the assessment of myocardial strain. Journal of Magnetic Resonance Imaging, 2013, 38, 320-328.	1.9	22
100	Estimation of In Vivo Myocardial Fibre Strain Using an Architectural Atlas of the Human Heart. Lecture Notes in Computer Science, 2013, , 208-215.	1.0	2
101	Myocardial Tagging with MR Imaging: Overview of Normal and Pathologic Findings. Radiographics, 2012, 32, 1381-1398.	1.4	105
102	Systolic Myocardial Dysfunction in Patients with Type 2 Diabetes Mellitus: Identification at MR Imaging with Cine Displacement Encoding with Stimulated Echoes. Radiology, 2012, 265, 402-409.	3.6	42
103	In Vivo Cardiac Diffusion-Weighted Magnetic Resonance Imaging. Investigative Radiology, 2012, 47, 662-670.	3.5	48
104	Human Atlas of the Cardiac Fiber Architecture: Study on a Healthy Population. IEEE Transactions on Medical Imaging, 2012, 31, 1436-1447.	5.4	201
105	DT-MRI interpolation: At what level?., 2012, , .		1
106	Controversies in Cardiovascular MR Imaging: T2-weighted Imaging Should Not Be Used to Delineate the Area at Risk in Ischemic Myocardial Injury. Radiology, 2012, 265, 12-22.	3.6	91
107	Churg's Syndrome Presenting with Acute Myocarditis and Cardiogenic Shock. Heart Lung and Circulation, 2012, 21, 178-181.	0.2	33
108	Post-Conditioning Reduces Infarct Size and Edema in Patients With ST-Segment Elevation Myocardial Infarction. Journal of the American College of Cardiology, 2012, 59, 2175-2181.	1.2	194



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109	T2-Weighted CMR. JACC: Cardiovascular Imaging, 2012, 5, 233-234.	2.3	1
110	Magnetic resonance imaging assessment of intraventricular dyssynchrony and delayed enhancement as predictors of response to cardiac resynchronization therapy in patients with heart failure of ischaemic and non-ischaemic etiologies. European Journal of Radiology, 2012, 81, 2639-2647.	1.2	28
111	Ventricular muscarinic receptor remodeling in patients with and without primary ventricular fibrillation. An imaging study. Journal of Nuclear Cardiology, 2012, 19, 1017-1025.	1.4	5
112	Potential of pre-contrast T1 mapping as a marker of interstitial fibrosis in severe aortic stenosis. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	1.6	0
113	MRI reconstruction from 2D truncated $k$ -space. Journal of Magnetic Resonance Imaging, 2012, 35, 1196-1206.	1.9	9
114	Feature-based interpolation of diffusion tensor fields and application to human cardiac DT-MRI. Medical Image Analysis, 2012, 16, 459-481.	7.0	34
115	T2-weighted cardiac MR assessment of the myocardial area at risk and salvage area in acute reperfused myocardial infarction: Comparison of state-of-the-art dark blood and bright blood T2-weighted sequences. Journal of Magnetic Resonance Imaging, 2012, 35, 328-339.	1.9	22
116	Variability of the Human Cardiac Laminar Structure. Lecture Notes in Computer Science, 2012, , 160-167.	1.0	3
117	Statistical Atlas of Human Cardiac Fibers: Comparison with Abnormal Hearts. Lecture Notes in Computer Science, 2012, , 207-213.	1.0	11
118	Diastolic Dysfunction in Patients with Type 2 Diabetes Mellitus: Is It Really the First Marker of Diabetic Cardiomyopathy?. Journal of the American Society of Echocardiography, 2011, 24, 1268-1275.e1.	1.2	190
119	Assessment of Myocardial Fibrosis With Cardiovascular Magnetic Resonance. Journal of the American College of Cardiology, 2011, 57, 891-903.	1.2	802
120	Why Delay Intervention in STEMI?. JACC: Cardiovascular Imaging, 2011, 4, 921-922.	2.3	3
121	Comparison of visual scoring and quantitative planimetry methods for estimation of global infarct size on delayed enhanced cardiac MRI and validation with myocardial enzymes. European Journal of Radiology, 2011, 78, 87-92.	1.2	28
122	Low b-Value Diffusion-Weighted Cardiac Magnetic Resonance Imaging. Investigative Radiology, 2011, 46, 751-758.	3.5	44
123	Determination of the myocardial area at risk with pre- versus post-reperfusion imaging techniques in the pig model. Basic Research in Cardiology, 2011, 106, 1247-1257.	2.5	58
124	Determination of the myocardial area at risk after reperfused acute myocardial infarction with different imaging techniques: cardiac magnetic resonance imaging, multidetector computed tomography and histopathological validation. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	1.6	0
125	Cine Displacement ENcoding imaging with Stimulated Echoes (cine-DENSE) confirms systolic myocardial dysfunction in asymptomatic patients with type 2 diabetes mellitus: comparison with MR-tagging. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	1.6	1
126	Simulation based evaluation of cardiac motion estimation methods in tagged-MR Image sequences. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	1.6	14



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127	Head-to-head comparison of eight late gadolinium-enhanced cardiac MR (LGE CMR) sequences at 1.5 tesla: From bench to bedside. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1374-1387.	1.9	35
128	PCATMIP: Enhancing signal intensity in diffusion-weighted magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1611-1619.	1.9	27
129	Interpolation of vector fields from human cardiac DT-MRI. <i>Physics in Medicine and Biology</i> , 2011, 56, 1415-1430.	1.6	12
130	Prognostic Value of Routine Cardiac Magnetic Resonance Assessment of Left Ventricular Ejection Fraction and Myocardial Damage. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 610-619.	1.3	119
131	Intracoronary autologous mononucleated bone marrow cell infusion for acute myocardial infarction: results of the randomized multicenter BONAMI trial. <i>European Heart Journal</i> , 2011, 32, 1748-1757.	1.0	158
132	Statistical Analysis of the Human Cardiac Fiber Architecture from DT-MRI. <i>Lecture Notes in Computer Science</i> , 2011, , 171-179.	1.0	31
133	Driving Dynamic Cardiac Model Adaptation with MR-Tagging Displacement Information. <i>Lecture Notes in Computer Science</i> , 2011, , 137-144.	1.0	0
134	Estimation de mouvement par d'ajustement de phase et maillage déformable appliquée à des séquences cardiaques de MIRM marquées. <i>Traitement Du Signal</i> , 2011, 28, 643-663.	0.8	2
135	Cardioprotection in the Clinical Setting. <i>Cardiovascular Drugs and Therapy</i> , 2010, 24, 281-287.	1.3	13
136	A graph-based approach for automatic cardiac tractography. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1215-1229.	1.9	22
137	Simultaneous myocardial strain and dark-blood perfusion imaging using a displacement-encoded MRI pulse sequence. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 787-798.	1.9	7
138	The role of imaging and molecular imaging in the early detection of metabolic and cardiovascular dysfunctions. <i>International Journal of Obesity</i> , 2010, 34, S67-S81.	1.6	6
139	Multiple myocardial infarctions in a 35 year-old woman with POEMS syndrome. <i>European Heart Journal</i> , 2010, 31, 1097-1097.	1.0	1
140	Impaired Myocardial Radial Function in Asymptomatic Patients with Type 2 Diabetes Mellitus: A Speckle-Tracking Imaging Study. <i>Journal of the American Society of Echocardiography</i> , 2010, 23, 1266-1272.	1.2	136
141	Effect of Cyclosporine on Left Ventricular Remodeling After Reperfused Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2010, 55, 1200-1205.	1.2	170
142	Incorporating Low-Level Constraints for the Retrieval of Personalised Heart Models from Dynamic MRI. <i>Lecture Notes in Computer Science</i> , 2010, , 174-183.	1.0	3
143	Improved global cardiac tractography with simulated annealing. , 2009, , .		1
144	An Adaptive Denoising Method Dedicated to Cardiac MR-DTI. , 2009, , .		0

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145	Presence and Extent of Cardiac Magnetic Resonance Microvascular Obstruction in Reperfused Non-ST-Elevated Myocardial Infarction and Correlation with Infarct Size and Myocardial Enzyme Release. <i>Cardiology</i> , 2009, 113, 50-58.	0.6	28
146	Denosing human cardiac diffusion tensor magnetic resonance images using sparse representation combined with segmentation. <i>Physics in Medicine and Biology</i> , 2009, 54, 1435-1456.	1.6	20
147	Muscarinic Receptor Upregulation in Patients With Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2009, 2, 365-372.	1.3	27
148	Comparison of the angiographic myocardial blush grade with delayed-enhanced cardiac magnetic resonance for the assessment of microvascular obstruction in acute myocardial infarctions. <i>Catheterization and Cardiovascular Interventions</i> , 2009, 74, 1000-1007.	0.7	36
149	Comparison of regularization methods for human cardiac diffusion tensor MRI. <i>Medical Image Analysis</i> , 2009, 13, 405-418.	7.0	32
150	Improved image reconstruction incorporating non-rigid motion correction for cardiac MRI using BLADE acquisition. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, .	1.6	4
151	Cardiac Fibre Trace Clustering for the Interpretation of the Human Heart Architecture. <i>Lecture Notes in Computer Science</i> , 2009, , 39-48.	1.0	1
152	Noise-Reduced TPS Interpolation of Primary Vector Fields for Fiber Tracking in Human Cardiac DT-MRI. <i>Lecture Notes in Computer Science</i> , 2009, , 78-86.	1.0	2
153	Cine and tagged cardiovascular magnetic resonance imaging in normal rat at 1.5 T: a rest and stress study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, 48.	1.6	23
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