

# Pierre Croisille

## List of Publications by Year in Descending Order

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

178  
papers

5,893  
citations

36  
h-index

73  
g-index

199  
ext. papers

6,995  
ext. citations

5.9  
avg, IF

5.25  
L-index

#	Paper	IF	Citations
178	Characterizing Myocardial Ischemia and Reperfusion Patterns with Hierarchical Manifold Learning. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 66-74	0.9	0
177	Location of Hamstring Injuries Based on Magnetic Resonance Imaging: A Systematic Review.. <i>Sports Health</i> , <b>2022</b> , 19417381211071010	4.7	0
176	Non-rigid motion-corrected free-breathing 3D myocardial Dixon LGE imaging in a clinical setting.. <i>European Radiology</i> , <b>2022</b> , 1	8	0
175	Kinetics of Cardiac Remodeling and Fibrosis Biomarkers During an Extreme Mountain Ultramarathon.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2022</b> , 9, 790551	5.4	1
174	Validation of cardiac diffusion tensor imaging sequences: A multi-centre test-retest phantom study.. <i>NMR in Biomedicine</i> , <b>2021</b> , e4685	4.4	
173	Quantitative Magnetic Resonance Imaging Assessment of the Quadriceps Changes during an Extreme Mountain Ultramarathon. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 869-881	1.2	2
172	Cardiac Magnetic Resonance for Early Detection of Radiation Therapy-Induced Cardiotoxicity in a Small Animal Model. <i>JACC: CardioOncology</i> , <b>2021</b> , 3, 113-130	3.8	1
171	Direct Comparison of Bayesian and Fermi Deconvolution Approaches for Myocardial Blood Flow Quantification: and Clinical Validations. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 483714	4.6	0
170	Nonculprit Artery Myocardial Infarction and Complex Coronary Lesions in Anterior ST-Elevated Myocardial Infarction Patients: Data from the CIRCUS Study. <i>Cardiology</i> , <b>2021</b> , 146, 728-736	1.6	
169	Coupling hemodynamics with mechanobiology in patient-specific computational models of ascending thoracic aortic aneurysms. <i>Computer Methods and Programs in Biomedicine</i> , <b>2021</b> , 205, 106107	6.9	5
168	Significance of Hemodynamics Biomarkers, Tissue Biomechanics and Numerical Simulations in the Pathogenesis of Ascending Thoracic Aortic Aneurysms. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 1890-1898	3.3	1
167	Imaging Interstitial Fibrosis, Left Ventricular Remodeling, and Function in Stage A and B Heart Failure. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 14, 1038-1052	8.4	9
166	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> , <b>2021</b> , 34, 437-450	2.8	1
165	Myofiber strain in healthy humans using DENSE and cDTI. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 277-292	4.2	1
164	Colchicine for Left Ventricular Infarct Size Reduction in Acute Myocardial Infarction: A Phase II, Multicenter, Randomized, Double-Blinded, Placebo-Controlled Study Protocol - The COVERT-MI Study. <i>Cardiology</i> , <b>2021</b> , 146, 151-160	1.6	6
163	Regional myocardial function at preclinical disease stage of hypertrophic cardiomyopathy in female gene variant carriers. <i>International Journal of Cardiovascular Imaging</i> , <b>2021</b> , 37, 2001-2010	2.5	
162	Effect of Colchicine on Myocardial Injury in Acute Myocardial Infarction. <i>Circulation</i> , <b>2021</b> , 144, 859-869	16.7	18

161	Exploring DTI Benchmark Databases Through Visual Analytics. <i>Mathematics and Visualization</i> , <b>2021</b> , 291-301		
160	Association of myocardial hemorrhage and persistent microvascular obstruction with circulating inflammatory biomarkers in STEMI patients. <i>PLoS ONE</i> , <b>2021</b> , 16, e0245684	3.7	3
159	In vivo estimation of normal left ventricular stiffness and contractility based on routine cine MR acquisition. <i>Medical Engineering and Physics</i> , <b>2020</b> , 85, 16-26	2.4	6
158	T mapping performance and measurement repeatability: results from the multi-national T mapping standardization phantom program (T1MES). <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2020</b> , 22, 31	6.9	10
157	MRI of Reperfused Acute Myocardial Infarction Edema: ADC Quantification versus T1 and T2 Mapping. <i>Radiology</i> , <b>2020</b> , 295, 542-549	20.5	5
156	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> , <b>2020</b> , 52, jrm00032	3.4	7
155	Computational prediction of hemodynamical and biomechanical alterations induced by aneurysm dilatation in patient-specific ascending thoracic aortas. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2020</b> , 36, e3326	2.6	4
154	Accuracy of right ventricular volume and function assessed with cardiovascular magnetic resonance: comparison with echocardiographic parameters. <i>Clinical Imaging</i> , <b>2020</b> , 59, 61-67	2.7	3
153	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> , <b>2020</b> , 113, 710-720	2.7	2
152	Hemodynamics alteration in patient-specific dilated ascending thoracic aortas with tricuspid and bicuspid aortic valves. <i>Journal of Biomechanics</i> , <b>2020</b> , 110, 109954	2.9	5
151	Role of upfront CT pulmonary angiography at admission in COVID-19 patients. <i>Thrombosis Research</i> , <b>2020</b> , 196, 138-140	8.2	9
150	Gadobutrol-Enhanced Cardiac Magnetic Resonance Imaging for Detection of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 1536-1547	15.1	13
149	Motion-Induced Signal Loss in In Vivo Cardiac Diffusion-Weighted Imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2020</b> , 51, 319-320	5.6	3
148	Relationship Between Ascending Thoracic Aortic Aneurysms Hemodynamics and Biomechanical Properties. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2020</b> , 67, 949-956	5	6
147	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> , <b>2019</b> , 110, 108-119	7	1
146	Myocardial adaptation after surgical therapy differs for aortic valve stenosis and hypertrophic obstructive cardiomyopathy. <i>International Journal of Cardiovascular Imaging</i> , <b>2019</b> , 35, 1089-1100	2.5	2
145	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> , <b>2019</b> , 6, 5	6.2	6
144	Cardiac MRI Endpoints in Myocardial Infarction Experimental and Clinical Trials: JACC Scientific Expert Panel. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 74, 238-256	15.1	102

143	A gradient-based optical-flow cardiac motion estimation method for cine and tagged MR images. <i>Medical Image Analysis</i> , <b>2019</b> , 57, 136-148	15.4	7
142	Nepirylsin levels at the acute phase of ST-elevation myocardial infarction. <i>Clinical Cardiology</i> , <b>2019</b> , 42, 32-38	3.3	7
141	Comparison of strain imaging techniques in CRT candidates: CMR tagging, CMR feature tracking and speckle tracking echocardiography. <i>International Journal of Cardiovascular Imaging</i> , <b>2018</b> , 34, 443-456 <sup>5</sup>	2.5	21
140	Strain analysis is superior to wall thickening in discriminating between infarcted myocardium with and without microvascular obstruction. <i>European Radiology</i> , <b>2018</b> , 28, 5171-5181	8	12
139	Strain imaging to predict response to cardiac resynchronization therapy: a systematic comparison of strain parameters using multiple imaging techniques. <i>ESC Heart Failure</i> , <b>2018</b> , 5, 1130-1140	3.7	12
138	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> , <b>2018</b> , 161-169	0.8	1
137	Quantitative comparison of human myocardial fiber orientations derived from DTI and polarized light imaging. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 215003	3.8	4
136	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> , <b>2018</b> , 9, 707-722	2.2	30
135	Ascending thoracic aorta aneurysm repair induces positive hemodynamic outcomes in a patient with unchanged bicuspid aortic valve. <i>Journal of Biomechanics</i> , <b>2018</b> , 81, 145-148	2.9	12
134	Regional cardiac function analysis from tagged MRI images. Comparison of techniques: Harmonic-Phase (HARP) versus Sinusoidal-Modeling (SinMod) analysis. <i>Magnetic Resonance Imaging</i> , <b>2018</b> , 54, 271-282	3.3	4
133	Simultaneous strain-volume analysis by three-dimensional echocardiography: validation in normal subjects with tagging cardiac magnetic resonance. <i>Journal of Cardiovascular Medicine</i> , <b>2017</b> , 18, 223-229 <sup>1.9</sup>	1.9	6
132	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> , <b>2017</b> , 60, 299-302	2.6	11
131	IMPACT OF AN ULTRA-MARATHON OF 330 KM ON PLASMA LEVELS OF CARDIAC BIOMARKERS. <i>British Journal of Sports Medicine</i> , <b>2017</b> , 51, 348.1-348	10.3	
130	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> , <b>2017</b> , 10,	3.9	
129	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> , <b>2017</b> , 27, 5158-5168	8	4
128	Fluid- and Biomechanical Analysis of Ascending Thoracic Aorta Aneurysm with Concomitant Aortic Insufficiency. <i>Annals of Biomedical Engineering</i> , <b>2017</b> , 45, 2921-2932	4.7	32
127	Myocardial Extracellular Volume Estimation by CMR Predicts Functional Recovery Following Acute MI. <i>JACC: Cardiovascular Imaging</i> , <b>2017</b> , 10, 989-999	8.4	36
126	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> , <b>2017</b> , 106-114	0.9	2

125	Estimation of cardiac motion in cine-MRI sequences by correlation transform optical flow of monogenic features distance. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 8640-8663	3.8	7
124	Comparison of three diffusion encoding schemes for cardiac imaging under free breathing conditions.. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18,	6.9	78
123	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> , <b>2016</b> , 18, O45	6.9	78
122	Image-Based Investigation of Human in Vivo Myofibre Strain. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 2486-2496	11.7	14
121	Pre-PCI angiographic TIMI flow in the culprit coronary artery influences infarct size and microvascular obstruction in STEMI patients. <i>Journal of Cardiology</i> , <b>2016</b> , 67, 248-53	3	9
120	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> , <b>2016</b> , 42, 342-350	5.4	7
119	A new look at left ventricular remodeling definition by cardiac imaging. <i>International Journal of Cardiology</i> , <b>2016</b> , 209, 17-9	3.2	14
118	Comparison of Immediate With Delayed Stenting Using the Minimalist Immediate Mechanical Intervention Approach in Acute ST-Segment-Elevation Myocardial Infarction: The MIMI Study. <i>Circulation: Cardiovascular Interventions</i> , <b>2016</b> , 9, e003388	6	45
117	Extreme Mountain Ultra-Marathon Leads to Acute but Transient Increase in Cerebral Water Diffusivity and Plasma Biomarkers Levels Changes. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 664	4.6	11
116	Hubless 3D Medical Image Bundle Registration <b>2016</b> ,		3
115	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> , <b>2016</b> , 11, e0161855	3.7	40
114	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> , <b>2016</b> , 76, 70-82	4.4	30
113	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> , <b>2016</b> , 18, O41	6.9	78
112	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> , <b>2016</b> , 61, 5662-86	3.8	6
111	A novel contribution towards coherent and reproducible intravalvular measurement of the aortic annulus by multidetector computed tomography ahead of transcatheter aortic valve implantation. <i>Archives of Cardiovascular Diseases</i> , <b>2015</b> , 108, 281-92	2.7	3
110	Reply: Myocardial Salvage, Area at Risk by T2w CMR: The Resolution of the Retrospective Radio Wave Paradigm?. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 2358-9	15.1	2
109	Analytic signal phase-based myocardial motion estimation in tagged MRI sequences by a bilinear model and motion compensation. <i>Medical Image Analysis</i> , <b>2015</b> , 24, 149-162	15.4	9
108	Myocardial Salvage, Area at Risk by T2w CMR: The Resolution of the Retrospective Radio Wave Paradigm?. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 2357-8	15.1	

107	In vivo free-breathing DTI & IVIM of the whole human heart using a real-time slice-followed SE-EPI navigator-based sequence: a reproducibility study in healthy volunteers. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	2
106	Free-breathing diffusion tensor imaging and tractography of the human heart in healthy volunteers using wavelet-based image fusion. <i>IEEE Transactions on Medical Imaging</i> , <b>2015</b> , 34, 306-16	11.7	32
105	Myocardial biomarkers and delayed enhanced cardiac magnetic resonance relationship in clinically suspected myocarditis and insight on clinical outcome. <i>Journal of Cardiovascular Medicine</i> , <b>2015</b> , 16, 696-703	4.8	21
104	Multimodal quantification and validation of 3D regional myocardial function. <i>Irbm</i> , <b>2015</b> , 36, 70-79	4.8	1
103	Characterization of normal regional myocardial function by MRI cardiac tagging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 83-92	5.6	17
102	Automated Quantification of Myocardial Infarction Using a Hidden Markov Random Field Model and the EM Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 256-264	0.9	1
101	Type 2 diabetes mellitus and obesity in young adults: the extreme phenotype with early cardiovascular dysfunction. <i>Diabetic Medicine</i> , <b>2014</b> , 31, 794-8	3.5	25
100	A comparative study of different level interpolations for improving spatial resolution in diffusion tensor imaging. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2014</b> , 18, 1317-27	7.2	8
99	Quantification of left ventricular dyssynchrony in patients with systolic dysfunction: a comparison of circumferential strain MR-tagging metrics. <i>Journal of Magnetic Resonance Imaging</i> , <b>2014</b> , 40, 1238-46	5.6	8
98	Longitudinal myocardial strain alteration is associated with left ventricular remodeling in asymptomatic patients with type 2 diabetes mellitus. <i>Journal of the American Society of Echocardiography</i> , <b>2014</b> , 27, 479-88	5.8	74
97	Influence of microvascular obstruction on regional myocardial deformation in the acute phase of myocardial infarction: a speckle-tracking echocardiography study. <i>Journal of the American Society of Echocardiography</i> , <b>2014</b> , 27, 93-100	5.8	16
96	Assessment of myocardial partition coefficient of gadolinium (D) in dilated cardiomyopathy and its impact on segmental and global systolic function. <i>Journal of Magnetic Resonance Imaging</i> , <b>2014</b> , 40, 1336-41	5.6	2
95	Cardiovascular magnetic resonance tagging imaging correlates with myocardial dysfunction and T2 mapping in idiopathic dilated cardiomyopathy. <i>International Journal of Cardiovascular Imaging</i> , <b>2014</b> , 30 Suppl 2, 145-52	2.5	9
94	No post-conditioning in the human heart with thrombolysis in myocardial infarction flow 2-3 on admission. <i>European Heart Journal</i> , <b>2014</b> , 35, 1675-82	9.5	38
93	Quantification of myocardial extracellular volume fraction with cardiac MR imaging for early detection of left ventricle involvement in systemic sclerosis. <i>Radiology</i> , <b>2014</b> , 271, 373-80	20.5	39
92	Subclinical diastolic dysfunction in young adults with Type 2 diabetes mellitus: a multiparametric contrast-enhanced cardiovascular magnetic resonance pilot study assessing potential mechanisms. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2014</b> , 15, 1263-9	4.1	48
91	CMRSegTools: an Osirix plugin for myocardial infarct sizing on DE-CMR images. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2014</b> , 16,	6.9	5
90	Postconditioning attenuates no-reflow in STEMI patients. <i>Basic Research in Cardiology</i> , <b>2013</b> , 108, 383	11.8	65

89	Assessment of cardiac motion effects on the fiber architecture of the human heart in vivo. <i>IEEE Transactions on Medical Imaging</i> , <b>2013</b> , 32, 1928-38	11.7	19
88	Cardiac imaging research group. Results and future works. <i>Irbm</i> , <b>2013</b> , 34, 21-23	4.8	1
87	Quantification of Right and Left Ventricular Function in Cardiac MR Imaging: Comparison of Semiautomatic and Manual Segmentation Algorithms. <i>Diagnostics</i> , <b>2013</b> , 3, 271-82	3.8	9
86	Comparison of local sine wave modeling with harmonic phase analysis for the assessment of myocardial strain. <i>Journal of Magnetic Resonance Imaging</i> , <b>2013</b> , 38, 320-8	5.6	22
85	Estimation of In Vivo Myocardial Fibre Strain Using an Architectural Atlas of the Human Heart. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 208-215	0.9	2
84	Feature-based interpolation of diffusion tensor fields and application to human cardiac DT-MRI. <i>Medical Image Analysis</i> , <b>2012</b> , 16, 459-81	15.4	27
83	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. <i>Journal of Magnetic Resonance Imaging</i> , <b>2012</b> , 35, 328-39	5.6	19
82	Human atlas of the cardiac fiber architecture: study on a healthy population. <i>IEEE Transactions on Medical Imaging</i> , <b>2012</b> , 31, 1436-47	11.7	144
81	DT-MRI interpolation: At what level? <b>2012</b> ,		1
80	Controversies in cardiovascular MR imaging: T2-weighted imaging should not be used to delineate the area at risk in ischemic myocardial injury. <i>Radiology</i> , <b>2012</b> , 265, 12-22	20.5	78
79	Churg-Strauss syndrome presenting with acute myocarditis and cardiogenic shock. <i>Heart Lung and Circulation</i> , <b>2012</b> , 21, 178-81	1.8	26
78	Post-conditioning reduces infarct size and edema in patients with ST-segment elevation myocardial infarction. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 59, 2175-81	15.1	171
77	T(2)-weighted CMR: but where is Elvis in the end?. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, 233-4; author reply 234-6	8.4	1
76	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. <i>European Journal of Radiology</i> , <b>2012</b> , 81, 2639-47	4.7	24
75	Ventricular muscarinic receptor remodeling in patients with and without primary ventricular fibrillation. An imaging study. <i>Journal of Nuclear Cardiology</i> , <b>2012</b> , 19, 1017-25	2.1	5
74	Potential of pre-contrast T1 mapping as a marker of interstitial fibrosis in severe aortic stenosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2012</b> , 14,	6.9	78
73	MRI reconstruction from 2D truncated k-space. <i>Journal of Magnetic Resonance Imaging</i> , <b>2012</b> , 35, 1196-206	9.6	7
72	Myocardial tagging with MR imaging: overview of normal and pathologic findings. <i>Radiographics</i> , <b>2012</b> , 32, 1381-98	5.4	77

71	Systolic myocardial dysfunction in patients with type 2 diabetes mellitus: identification at MR imaging with cine displacement encoding with stimulated echoes. <i>Radiology</i> , <b>2012</b> , 265, 402-9	20.5	34
70	In vivo cardiac diffusion-weighted magnetic resonance imaging: quantification of normal perfusion and diffusion coefficients with intravoxel incoherent motion imaging. <i>Investigative Radiology</i> , <b>2012</b> , 47, 662-70	10.1	43
69	Variability of the Human Cardiac Lamina Structure. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 160-167	0.9	3
68	Statistical Atlas of Human Cardiac Fibers: Comparison with Abnormal Hearts. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 207-213	0.9	9
67	Assessment of myocardial fibrosis with cardiovascular magnetic resonance. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 57, 891-903	15.1	619
66	Why delay intervention in STEMI?. <i>JACC: Cardiovascular Imaging</i> , <b>2011</b> , 4, 921-2; discussion 922-3	8.4	1
65	Comparison of visual scoring and quantitative planimetry methods for estimation of global infarct size on delayed enhanced cardiac MRI and validation with myocardial enzymes. <i>European Journal of Radiology</i> , <b>2011</b> , 78, 87-92	4.7	24
64	Low b-value diffusion-weighted cardiac magnetic resonance imaging: initial results in humans using an optimal time-window imaging approach. <i>Investigative Radiology</i> , <b>2011</b> , 46, 751-8	10.1	39
63	Determination of the myocardial area at risk with pre- versus post-reperfusion imaging techniques in the pig model. <i>Basic Research in Cardiology</i> , <b>2011</b> , 106, 1247-57	11.8	53
62	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. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2011</b> , 13, 13	6.9	78
61	Simulation based evaluation of cardiac motion estimation methods in tagged-MR Image sequences. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2011</b> , 13,	6.9	12
60	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> , <b>2011</b> , 34, 1374-87	5.6	26
59	PCATMIP: enhancing signal intensity in diffusion-weighted magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , <b>2011</b> , 65, 1611-9	4.4	22
58	Diastolic dysfunction in patients with type 2 diabetes mellitus: is it really the first marker of diabetic cardiomyopathy?. <i>Journal of the American Society of Echocardiography</i> , <b>2011</b> , 24, 1268-1275.e1	5.8	149
57	Interpolation of vector fields from human cardiac DT-MRI. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 1415-30	5.30	10
56	Prognostic value of routine cardiac magnetic resonance assessment of left ventricular ejection fraction and myocardial damage: an international, multicenter study. <i>Circulation: Cardiovascular Imaging</i> , <b>2011</b> , 4, 610-9	3.9	94
55	Intracoronary autologous mononucleated bone marrow cell infusion for acute myocardial infarction: results of the randomized multicenter BONAMI trial. <i>European Heart Journal</i> , <b>2011</b> , 32, 1748-57	9.5	132
54	Statistical Analysis of the Human Cardiac Fiber Architecture from DT-MRI. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 171-179	0.9	28



53	Driving Dynamic Cardiac Model Adaptation with MR-Tagging Displacement Information. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 137-144	0.9	
52	The role of imaging and molecular imaging in the early detection of metabolic and cardiovascular dysfunctions. <i>International Journal of Obesity</i> , <b>2010</b> , 34 Suppl 2, S67-81	5.5	4
51	Multiple myocardial infarctions in a 35 year-old woman with POEMS syndrome. <i>European Heart Journal</i> , <b>2010</b> , 31, 1097	9.5	1
50	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> , <b>2010</b> , 23, 1266-72	5.8	117
49	Effect of cyclosporine on left ventricular remodeling after reperfused myocardial infarction. <i>Journal of the American College of Cardiology</i> , <b>2010</b> , 55, 1200-1205	15.1	155
48	Cardioprotection in the clinical setting. <i>Cardiovascular Drugs and Therapy</i> , <b>2010</b> , 24, 281-7	3.9	12
47	A graph-based approach for automatic cardiac tractography. <i>Magnetic Resonance in Medicine</i> , <b>2010</b> , 64, 1215-29	4.4	15
46	Simultaneous myocardial strain and dark-blood perfusion imaging using a displacement-encoded MRI pulse sequence. <i>Magnetic Resonance in Medicine</i> , <b>2010</b> , 64, 787-98	4.4	6
45	Incorporating Low-Level Constraints for the Retrieval of Personalised Heart Models from Dynamic MRI. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 174-183	0.9	3
44	<b>2009</b> ,		1
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