Marie-Pierre Jolly

List of Publications by Year in Descending Order

26 papers	843 citations	15 h-index	28 g-index
28 ext. papers	975 ext. citations	6.6 avg, IF	4.08 L-index

#	Paper	IF	Citations
26	Quantification of myocardial deformation by deformable registration-based analysis of cine MRI: validation with tagged CMR. *European Radiology*, **2019**, 29, 3658-3668	8	11
25	Mitral annular velocity measurement with cardiac magnetic resonance imaging using a novel annular tracking algorithm: Validation against echocardiography. *Magnetic Resonance Imaging*, **2019**, 55, 72-80	3.3	6
24	Left Ventricular Myocardial Deformation on Cine MR Images: Relationship to Severity of Disease and Prognosis in Light-Chain Amyloidosis. *Radiology*, **2018**, 288, 73-80	20.5	18
23	Fully-automated left ventricular mass and volume MRI analysis in the UK Biobank population cohort: evaluation of initial results. *International Journal of Cardiovascular Imaging*, **2018**, 34, 281-291	2.5	33
22	The consistency of myocardial strain derived from heart deformation analysis. *International Journal of Cardiovascular Imaging*, **2017**, 33, 1169-1177	2.5	7
21	Comprehensive preclinical evaluation of a multi-physics model of liver tumor radiofrequency ablation. *International Journal of Computer Assisted Radiology and Surgery*, **2017**, 12, 1543-1559	3.9	9
20	Early Myocardial Strain Changes During Potentially Cardiotoxic Chemotherapy May Occur as a Result of Reductions in Left Ventricular End-Diastolic Volume: The Need to Interpret Left Ventricular Strain With Volumes. *Circulation*, **2017**, 135, 2575-2577	16.7	32
19	Distribution pattern of left-ventricular myocardial strain analyzed by a cine MRI based deformation registration algorithm in healthy Chinese volunteers. *Scientific Reports*, **2017**, 7, 45314	4.9	10
18	Automated assessments of circumferential strain from cine CMR correlate with LVEF declines in cancer patients early after receipt of cardio-toxic chemotherapy. *Journal of Cardiovascular Magnetic Resonance*, **2017**, 19, 59	6.9	43
17	Quantification of global myocardial function by cine MRI deformable registration-based analysis: Comparison with MR feature tracking and speckle-tracking echocardiography. *European Radiology*, **2017**, 27, 1404-1415	8	27
16	Quantification of Myocardial Extracellular Volume Fraction with Cardiac MR Imaging in Thalassemia Major. *Radiology*, **2016**, 279, 720-30	20.5	31
15	Automated Assessment of Left Ventricular Function and Mass Using Heart Deformation Analysis: Initial Experience in 160 Older Adults. *Academic Radiology*, **2016**, 23, 321-5	4.3	18
14	Free-breathing myocardial T2* mapping using GRE-EPI and automatic non-rigid motion correction. *Journal of Cardiovascular Magnetic Resonance*, **2015**, 17, 113	6.9	13
13	A collaborative resource to build consensus for automated left ventricular segmentation of cardiac MR images. *Medical Image Analysis*, **2014**, 18, 50-62	15.4	113
12	Phase-sensitive inversion recovery for myocardial T1 mapping with motion correction and parametric fitting. *Magnetic Resonance in Medicine*, **2013**, 69, 1408-20	4.4	71
11	Motion correction for myocardial T1 mapping using image registration with synthetic image estimation. *Magnetic Resonance in Medicine*, **2012**, 67, 1644-55	4.4	158
10	Automatic Segmentation of the Myocardium in Cine MR Images Using Deformable Registration. *Lecture Notes in Computer Science*, **2012**, 98-108	0.9	19

9	A novel, automated method for measuring mitral valve annular velocity from standard cine TrueFISP data - a feasibility study. *Journal of Cardiovascular Magnetic Resonance*, **2011**, 13,	6.9	1
8	Cardiac segmentation in MR cine data using inverse consistent deformable registration **2010**,		12
7	Cardiac anchoring in MRI through context modeling. *Lecture Notes in Computer Science*, **2010**, 13, 383-90	0.9	17
6	Combining registration and minimum surfaces for the segmentation of the left ventricle in cardiac cine MR images. *Lecture Notes in Computer Science*, **2009**, 12, 910-8	0.9	17
5	Automatic recovery of the left ventricular blood pool in cardiac cine MR images. *Lecture Notes in Computer Science*, **2008**, 11, 110-8	0.9	21
4	From Uncertainties to Statistical Model Building and Segmentation of the Left Ventricle **2007**,		3
3	Automatic Segmentation of the Left Ventricle in Cardiac MR and CT Images. *International Journal of Computer Vision*, **2006**, 70, 151-163	10.6	118
2	Comprehensive Cardiovascular Image Analysis Using MR and CT at Siemens Corporate Research. *International Journal of Computer Vision*, **2006**, 70, 165-178	10.6	13
1	Combining Edge, Region, and Shape Information to Segment the Left Ventricle in Cardiac MR Images. *Lecture Notes in Computer Science*, **2001**, 482-490	0.9	14