

Fijoy Vadakkumpadan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,453
citations

623188

14
h-index

794141

19
g-index

27
all docs

27
docs citations

27
times ranked

1487
citing authors

#	ARTICLE	IF	CITATIONS
1	Arrhythmia risk stratification of patients after myocardial infarction using personalized heart models. <i>Nature Communications</i> , 2016, 7, 11437.	5.8	302
2	Feasibility of image-based simulation to estimate ablation target in human ventricular arrhythmia. <i>Heart Rhythm</i> , 2013, 10, 1109-1116.	0.3	184
3	Virtual Electrophysiological Study of Atrial Fibrillation in Fibrotic Remodeling. <i>PLoS ONE</i> , 2015, 10, e0117110.	1.1	122
4	Image-based models of cardiac structure in health and disease. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2010, 2, 489-506.	6.6	113
5	Mechanistic Inquiry into the Role of Tissue Remodeling in Fibrotic Lesions in Human Atrial Fibrillation. <i>Biophysical Journal</i> , 2013, 104, 2764-2773.	0.2	113
6	Methodology for patient-specific modeling of atrial fibrosis as a substrate for atrial fibrillation. <i>Journal of Electrocardiology</i> , 2012, 45, 640-645.	0.4	112
7	Towards predictive modelling of the electrophysiology of the heart. <i>Experimental Physiology</i> , 2009, 94, 563-577.	0.9	110
8	Image-Based Estimation of Ventricular Fiber Orientations for Personalized Modeling of Cardiac Electrophysiology. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 1051-1060.	5.4	77
9	Image-based models of cardiac structure with applications in arrhythmia and defibrillation studies. <i>Journal of Electrocardiology</i> , 2009, 42, 157.e1-157.e10.	0.4	75
10	Placement of implantable cardioverter-defibrillators in paediatric and congenital heart defect patients: a pipeline for model generation and simulation prediction of optimal configurations. <i>Journal of Physiology</i> , 2013, 591, 4321-4334.	1.3	41
11	Myocardial Infarct Segmentation From Magnetic Resonance Images for Personalized Modeling of Cardiac Electrophysiology. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1408-1419.	5.4	41
12	Image-based reconstruction of three-dimensional myocardial infarct geometry for patient-specific modeling of cardiac electrophysiology. <i>Medical Physics</i> , 2015, 42, 4579-4590.	1.6	38
13	Computational cardiology: how computer simulations could be used to develop new therapies and advance existing ones. <i>Europace</i> , 2012, 14, v82-v89.	0.7	36
14	Image-based left ventricular shape analysis for sudden cardiac death risk stratification. <i>Heart Rhythm</i> , 2014, 11, 1693-1700.	0.3	31
15	Modeling of Whole-Heart Electrophysiology and Mechanics: Toward Patient-Specific Simulations. , 2010, , 145-165.		16
16	Myocardial Infarct Segmentation and Reconstruction from 2D Late-Gadolinium Enhanced Magnetic Resonance Images. <i>Lecture Notes in Computer Science</i> , 2014, 17, 554-561.	1.0	8
17	STATISTICAL ANALYSIS OF MORPHOLOGICAL DIFFERENCES BETWEEN BRAINS. <i>International Journal of Neuroscience</i> , 2006, 116, 407-418.	0.8	7
18	Image-based reconstruction of 3D myocardial infarct geometry for patient specific applications. <i>Proceedings of SPIE</i> , 2015, 9413, .	0.8	7

#	ARTICLE	IF	CITATIONS
19	Patient-specific Modeling of the Heart: Estimation of Ventricular Fiber Orientations. Journal of Visualized Experiments, 2013, , .	0.2	6
20	Left-ventricular shape analysis for predicting sudden cardiac death risk. , 2012, 2012, 4067-70.		4
21	Image-based estimation of ventricular fiber orientations for patient-specific simulations. , 2011, 2011, 1672-5.		3
22	EMBRIOSS: ELECTROMAGNETIC BRAIN IMAGING BY OPTIMIZATION IN SPECTRAL SPACE. , 2007, , .		2
23	<title>Elastic surface registration by parameterization optimization in spectral space</title>. , 2006, 6065, 321.		1
24	POSS: efficient nonlinear optimization for parameterization methods. , 2006, 6066, 200.		1
25	Estimation of ventricular fiber orientations in infarcted hearts for patient-specific simulations. , 2013, , .		1
26	Approximation of optimal surface parameterizations and the application in cerebral cortex mapping. Brain Structure and Function, 2008, 212, 497-511.	1.2	0