# Fijoy Vadakkumpadan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10578145/publications.pdf

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|---|---|---|---|
| 26 papers | 1,453 citations | 623734 14 h-index | 794594 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. Nature Communications, 2016, 7, 11437. | 12.8 | 302 |
| 2 | Feasibility of image-based simulation to estimate ablation target in human ventricular arrhythmia. Heart Rhythm, 2013, 10, 1109-1116. | 0.7 | 184 |
| 3 | Virtual Electrophysiological Study of Atrial Fibrillation in Fibrotic Remodeling. PLoS ONE, 2015, 10, e0117110. | 2.5 | 122 |
| 4 | Imageâ€based models of cardiac structure in health and disease. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 489-506. | 6.6 | 113 |
| 5 | Mechanistic Inquiry into the Role of Tissue Remodeling in Fibrotic Lesions in Human Atrial Fibrillation. Biophysical Journal, 2013, 104, 2764-2773. | 0.5 | 113 |
| 6 | Methodology for patient-specific modeling of atrial fibrosis as a substrate for atrial fibrillation. Journal of Electrocardiology, 2012, 45, 640-645. | 0.9 | 112 |
| 7 | Towards predictive modelling of the electrophysiology of the heart. Experimental Physiology, 2009, 94, 563-577. | 2.0 | 110 |
| 8 | Image-Based Estimation of Ventricular Fiber Orientations for Personalized Modeling of Cardiac Electrophysiology. IEEE Transactions on Medical Imaging, 2012, 31, 1051-1060. | 8.9 | 77 |
| 9 | Image-based models of cardiac structure with applications in arrhythmia and defibrillation studies. Journal of Electrocardiology, 2009, 42, 157.e1-157.e10. | 0.9 | 75 |
| 10 | Placement of implantable cardioverterâ€defibrillators in paediatric and congenital heart defect patients: a pipeline for model generation and simulation prediction of optimal configurations. Journal of Physiology, 2013, 591, 4321-4334. | 2.9 | 41 |
| 11 | Myocardial Infarct Segmentation From Magnetic Resonance Images for Personalized Modeling of Cardiac Electrophysiology. IEEE Transactions on Medical Imaging, 2016, 35, 1408-1419. | 8.9 | 41 |
| 12 | Imageâ€based reconstruction of threeâ€dimensional myocardial infarct geometry for patientâ€specific modeling of cardiac electrophysiology. Medical Physics, 2015, 42, 4579-4590. | 3.0 | 38 |
| 13 | Computational cardiology: how computer simulations could be used to develop new therapies and advance existing ones. Europace, 2012, 14, v82-v89. | 1.7 | 36 |
| 14 | Image-based left ventricular shape analysis for sudden cardiac death risk stratification. Heart Rhythm, 2014, 11, 1693-1700. | 0.7 | 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. Lecture Notes in Computer Science, 2014, 17, 554-561. | 1.3 | 8 |
| 17 | STATISTICAL ANALYSIS OF MORPHOLOGICAL DIFFERENCES BETWEEN BRAINS. International Journal of Neuroscience, 2006, 116, 407-418. | 1.6 | 7 |
| 18 | Image-based reconstruction of 3D myocardial infarct geometry for patient specific applications. Proceedings of SPIE, 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, , . | 0.3 | 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. | 2.3 | 0 |