

Orod Razeghi

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.

29
papers

265
citations

11
h-index

15
g-index

32
ext. papers

413
ext. citations

4.1
avg, IF

3.06
L-index

#	Paper	IF	Citations
29	Predicting Atrial Fibrillation Recurrence by Combining Population Data and Virtual Cohorts of Patient-Specific Left Atrial Models.. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2022 , CIRCEP1210102534	6.4	1
28	Hyperparameter optimisation and validation of registration algorithms for measuring regional ventricular deformation using retrospective gated computed tomography images. <i>Scientific Reports</i> , 2021 , 11, 5718	4.9	2
27	The Effect of Ventricular Myofibre Orientation on Atrial Dynamics. <i>Lecture Notes in Computer Science</i> , 2021 , 659-670	0.9	1
26	Optimisation of Left Atrial Feature Tracking Using Retrospective Gated Computed Tomography Images. <i>Lecture Notes in Computer Science</i> , 2021 , 71-83	0.9	
25	Impact of Image Resolution and Resampling on Motion Tracking of the Left Chambers from Cardiac Scans. <i>Lecture Notes in Computer Science</i> , 2021 , 12-21	0.9	
24	Using the Universal Atrial Coordinate System for MRI and Electroanatomic Data Registration in Patient-Specific Left Atrial Model Construction and Simulation. <i>Lecture Notes in Computer Science</i> , 2021 , 629-638	0.9	0
23	Feasibility of intraprocedural integration of cardiac CT to guide left ventricular lead implantation for CRT upgrades. <i>Journal of Cardiovascular Electrophysiology</i> , 2021 , 32, 802-812	2.7	4
22	Cardiac MagnEtic resonance assessment of bi-Atrial fibrosis in secundum atrial septal defects patients: CAMERA-ASD study. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 ,	4.1	1
21	Non-invasive simulated electrical and measured mechanical indices predict response to cardiac resynchronization therapy. <i>Computers in Biology and Medicine</i> , 2021 , 138, 104872	7	0
20	Fully Automatic Atrial Fibrosis Assessment Using a Multilabel Convolutional Neural Network. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e011512	3.9	5
19	Tracking the motion of intracardiac structures aids the development of future leadless pacing systems. <i>Journal of Cardiovascular Electrophysiology</i> , 2020 , 31, 2431-2439	2.7	2
18	A publicly available virtual cohort of four-chamber heart meshes for cardiac electro-mechanics simulations. <i>PLoS ONE</i> , 2020 , 15, e0235145	3.7	24
17	Simulating ventricular systolic motion in a four-chamber heart model with spatially varying robin boundary conditions to model the effect of the pericardium. <i>Journal of Biomechanics</i> , 2020 , 101, 109645 ^{2,9}	2.9	25
16	Quantifying atrial anatomy uncertainty from clinical data and its impact on electro-physiology simulation predictions. <i>Medical Image Analysis</i> , 2020 , 61, 101626	15.4	15
15	Comparison of Left Atrial Ablation Techniques That Target the Anatomical, Structural, and Electrical Substrates of Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2020 , 11, 1145	4.6	17
14	CemrgApp: An interactive medical imaging application with image processing, computer vision, and machine learning toolkits for cardiovascular research. <i>SoftwareX</i> , 2020 , 12, 100570	2.7	12
13	Emerging role of cardiac computed tomography in heart failure. <i>ESC Heart Failure</i> , 2019 , 6, 909-920	3.7	11

12	Reproducibility of Atrial Fibrosis Assessment Using CMR Imaging and an Open Source Platform. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2076-2077	8.4	14
11	Improved co-registration of ex-vivo and in-vivo cardiovascular magnetic resonance images using heart-specific flexible 3D printed acrylic scaffold combined with non-rigid registration. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 62	6.9	7
10	Pulmonary vein encirclement using an Ablation Index-guided point-by-point workflow: cardiovascular magnetic resonance assessment of left atrial scar formation. <i>Europace</i> , 2019 , 21, 1817-1823	3.9	4
9	Convolutional Neural Networks for Segmentation of the Left Atrium from Gadolinium-Enhancement MRI Images. <i>Lecture Notes in Computer Science</i> , 2019 , 348-356	0.9	1
8	A technique for measuring anisotropy in atrial conduction to estimate conduction velocity and atrial fibre direction. <i>Computers in Biology and Medicine</i> , 2019 , 104, 278-290	7	23
7	Optimization of late gadolinium enhancement cardiovascular magnetic resonance imaging of post-ablation atrial scar: a cross-over study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 30	6.9	21
6	Patient-specific simulations predict efficacy of ablation of interatrial connections for treatment of persistent atrial fibrillation. <i>Europace</i> , 2018 , 20, iii55-iii68	3.9	22
5	Automated quantification of mitral valve geometry on multi-slice computed tomography in patients with dilated cardiomyopathy - Implications for transcatheter mitral valve replacement. <i>Journal of Cardiovascular Computed Tomography</i> , 2018 , 12, 329-337	2.8	10
4	Comprehensive use of cardiac computed tomography to guide left ventricular lead placement in cardiac resynchronization therapy. <i>Heart Rhythm</i> , 2017 , 14, 1364-1372	6.7	30
3	2309 skin conditions and crowd-sourced high-level knowledge dataset for building a computer aided diagnosis system 2014 ,		3
2	Interactive skin condition recognition 2013 ,		5
1	Computer Aided Skin Lesion Diagnosis with Humans in the Loop. <i>Lecture Notes in Computer Science</i> , 2012 , 266-274	0.9	4