Orod Razeghi

List of Publications by Citations

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	Comprehensive use of cardiac computed tomography to guide left ventricular lead placement in cardiac resynchronization therapy. *Heart Rhythm*, **2017**, 14, 1364-1372	6.7	30
28	Simulating ventricular systolic motion in a four-chamber heart model with spatially varying robin boundary conditions to model the effect of the pericardium. *Journal of Biomechanics*, **2020**, 101, 109645	2.9	25
27	A publicly available virtual cohort of four-chamber heart meshes for cardiac electro-mechanics simulations. *PLoS ONE*, **2020**, 15, e0235145	3.7	24
26	A technique for measuring anisotropy in atrial conduction to estimate conduction velocity and atrial fibre direction. *Computers in Biology and Medicine*, **2019**, 104, 278-290	7	23
25	Patient-specific simulations predict efficacy of ablation of interatrial connections for treatment of persistent atrial fibrillation. *Europace*, **2018**, 20, iii55-iii68	3.9	22
24	Optimization of late gadolinium enhancement cardiovascular magnetic resonance imaging of post-ablation atrial scar: a cross-over study. *Journal of Cardiovascular Magnetic Resonance*, **2018**, 20, 30	6.9	21
23	Comparison of Left Atrial Ablation Techniques That Target the Anatomical, Structural, and Electrical Substrates of Atrial Fibrillation. *Frontiers in Physiology*, **2020**, 11, 1145	4.6	17
22	Quantifying atrial anatomy uncertainty from clinical data and its impact on electro-physiology simulation predictions. *Medical Image Analysis*, **2020**, 61, 101626	15.4	15
21	Reproducibility of Atrial Fibrosis Assessment Using CMR Imaging and an Open Source Platform. *JACC: Cardiovascular Imaging*, **2019**, 12, 2076-2077	8.4	14
20	CemrgApp: An interactive medical imaging application with image processing, computer vision, and machine learning toolkits for cardiovascular research. *SoftwareX*, **2020**, 12, 100570	2.7	12
19	Emerging role of cardiac computed tomography in heart failure. *ESC Heart Failure*, **2019**, 6, 909-920	3.7	11
18	Automated quantification of mitral valve geometry on multi-slice computed tomography in patients with dilated cardiomyopathy - Implications for transcatheter mitral valve replacement. *Journal of Cardiovascular Computed Tomography*, **2018**, 12, 329-337	2.8	10
17	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. *Journal of Cardiovascular Magnetic Resonance*, **2019**, 21, 62	6.9	7
16	Fully Automatic Atrial Fibrosis Assessment Using a Multilabel Convolutional Neural Network. *Circulation: Cardiovascular Imaging*, **2020**, 13, e011512	3.9	5
15	Interactive skin condition recognition **2013**,		5
14	Pulmonary vein encirclement using an Ablation Index-guided point-by-point workflow: cardiovascular magnetic resonance assessment of left atrial scar formation. *Europace*, **2019**, 21, 1817-1823	3.9	4
13	Computer Aided Skin Lesion Diagnosis with Humans in the Loop. *Lecture Notes in Computer Science*, **2012**, 266-274	0.9	4

LIST OF PUBLICATIONS

	Publication	Impact	Citations
12	Feasibility of intraprocedural integration of cardiac CT to guide left ventricular lead implantation for CRT upgrades. *Journal of Cardiovascular Electrophysiology*, **2021**, 32, 802-812	2.7	4
11	2309 skin conditions and crowd-sourced high-level knowledge dataset for building a computer aided diagnosis system **2014**,		3
10	Tracking the motion of intracardiac structures aids the development of future leadless pacing systems. *Journal of Cardiovascular Electrophysiology*, **2020**, 31, 2431-2439	2.7	2
9	Hyperparameter optimisation and validation of registration algorithms for measuring regional ventricular deformation using retrospective gated computed tomography images. *Scientific Reports*, **2021**, 11, 5718	4.9	2
8	Predicting Atrial Fibrillation Recurrence by Combining Population Data and Virtual Cohorts of Patient-Specific Left Atrial Models.. *Circulation: Arrhythmia and Electrophysiology*, **2022**, CIRCEP121010253	6.4	1
7	Convolutional Neural Networks for Segmentation of the Left Atrium from Gadolinium-Enhancement MRI Images. *Lecture Notes in Computer Science*, **2019**, 348-356	0.9	1
6	The Effect of Ventricular Myofibre Orientation on Atrial Dynamics. *Lecture Notes in Computer Science*, **2021**, 659-670	0.9	1
5	CArdiac MagnEtic resonance assessment of bi-Atrial fibrosis in secundum atrial septal defects patients: CAMERA-ASD study. *European Heart Journal Cardiovascular Imaging*, **2021**,	4.1	1
4	Using the Universal Atrial Coordinate System for MRI and Electroanatomic Data Registration in Patient-Specific Left Atrial Model Construction and Simulation. *Lecture Notes in Computer Science*, **2021**, 629-638	0.9	0
3	Non-invasive simulated electrical and measured mechanical indices predict response to cardiac resynchronization therapy. *Computers in Biology and Medicine*, **2021**, 138, 104872	7	0
2	Optimisation of Left Atrial Feature Tracking Using Retrospective Gated Computed Tomography Images. *Lecture Notes in Computer Science*, **2021**, 71-83	0.9	
1	Impact of Image Resolution and Resampling on Motion Tracking of the Left Chambers from Cardiac Scans. *Lecture Notes in Computer Science*, **2021**, 12-21	0.9	