Joo Pedrosa

List of Publications by Year in Descending Order

31 papers	326 citations	8 h-index	18 g-index
42 ext. papers	521 ext. citations	4.5 avg, IF	3.29 L-index

#	Paper	IF	Citations
31	Assessing clinical applicability of COVID-19 detection in chest radiography with deep learning.. *Scientific Reports*, **2022**, 12, 6596	4.9	0
30	Lesion-Based Chest Radiography Image Retrieval for Explainability in Pathology Detection. *Lecture Notes in Computer Science*, **2022**, 81-94	0.9	
29	Multimodal Multi-tasking for Skin Lesion Classification Using Deep Neural Networks. *Lecture Notes in Computer Science*, **2021**, 27-38	0.9	0
28	Extracting neuronal activity signals from microscopy recordings of contractile tissue using B-spline Explicit Active Surfaces (BEAS) cell tracking. *Scientific Reports*, **2021**, 11, 10937	4.9	1
27	LNDb challenge on automatic lung cancer patient management. *Medical Image Analysis*, **2021**, 70, 102027	15.4	3
26	Interactive Segmentation via Deep Learning and B-Spline Explicit Active Surfaces. *Lecture Notes in Computer Science*, **2021**, 315-325	0.9	
25	Systematic Comparison of Left Ventricular Geometry Between 3D-Echocardiography and Cardiac Magnetic Resonance Imaging. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 728205	5.4	1
24	A multi-task CNN approach for lung nodule malignancy classification and characterization. *Expert Systems With Applications*, **2021**, 184, 115469	7.8	2
23	A Novel 2-D Speckle Tracking Method for High-Frame-Rate Echocardiography. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2020**, 67, 1764-1775	3.2	4
22	Automatic Lung Nodule Detection Combined With Gaze Information Improves Radiologistsa Screening Performance. *IEEE Journal of Biomedical and Health Informatics*, **2020**, 24, 2894-2901	7.2	3
21	Automatic Lung Reference Model. *IFMBE Proceedings*, **2020**, 999-1008	0.2	
20	LNDetector: A Flexible Gaze Characterisation Collaborative Platform for Pulmonary Nodule Screening. *IFMBE Proceedings*, **2020**, 333-343	0.2	
19	A Multi-dataset Approach for DME Risk Detection in Eye Fundus Images. *Lecture Notes in Computer Science*, **2020**, 285-298	0.9	0
18	Shear Wave Elastography Using High-Frame-Rate Imaging in the Follow-Up of Heart Transplantation Recipients. *JACC: Cardiovascular Imaging*, **2020**, 13, 2304-2313	8.4	5
17	Interplay of cardiac remodelling and myocardial stiffness in hypertensive heart disease: a shear wave imaging study using high-frame rate echocardiography. *European Heart Journal Cardiovascular Imaging*, **2020**, 21, 664-672	4.1	7
16	Non-invasive myocardial performance mapping using 3D echocardiographic stress-strain loops. *Physics in Medicine and Biology*, **2019**, 64, 115026	3.8	
15	Deep Learning for Segmentation Using an Open Large-Scale Dataset in 2D Echocardiography. *IEEE Transactions on Medical Imaging*, **2019**, 38, 2198-2210	11.7	133

#	Publication		
14	Velocities of Naturally Occurring Myocardial Shear Waves Increase With Age and in Cardiac Amyloidosis. *JACC: Cardiovascular Imaging*, **2019**, 12, 2389-2398	8.4	26
13	Natural Shear Wave Imaging in the Human Heart: Normal Values, Feasibility, and Reproducibility. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2019**, 66, 442-452	3.2	19
12	Fully Automatic Assessment of Mitral Valve Morphology from 3D Transthoracic Echocardiography **2018**,		4
11	Evaluation of Coherence-Based Beamforming for B-Mode and Speckle Tracking Echocardiography **2018**,		1
10	Ventricular mechanics in adolescent and adult patients with a Fontan circulation: Relation to geometry and wall stress. *Echocardiography*, **2018**, 35, 2035-2046	1.5	7
9	Minho Affective Sentences (MAS): Probing the roles of sex, mood, and empathy in affective ratings of verbal stimuli. *Behavior Research Methods*, **2017**, 49, 698-716	6.1	12
8	Left Ventricular Myocardial Segmentation in 3-D Ultrasound Recordings: Effect of Different Endocardial and Epicardial Coupling Strategies. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2017**, 64, 525-536	3.2	13
7	heartBEATS: A hybrid energy approach for real-time B-spline explicit active tracking of surfaces. *Computerized Medical Imaging and Graphics*, **2017**, 62, 26-33	7.6	1
6	Fast and Fully Automatic Left Ventricular Segmentation and Tracking in Echocardiography Using Shape-Based B-Spline Explicit Active Surfaces. *IEEE Transactions on Medical Imaging*, **2017**, 36, 2287-2296	11.7	38
5	Automatic Definition of an Anatomic Field of View for Volumetric Cardiac Motion Estimation at High Temporal Resolution. *Applied Sciences (Switzerland)*, **2017**, 7, 752	2.6	0
4	Salience in a social landscape: electrophysiological effects of task-irrelevant and infrequent vocal change. *Social Cognitive and Affective Neuroscience*, **2016**, 11, 127-39	4	16
3	Automatic short axis orientation of the left ventricle in 3D ultrasound recordings **2016**,		1
2	HD-PULSE: High channel Density Programmable ULtrasound System based on consumer Electronics **2015**,		5
1	Automatic heart sound segmentation and murmur detection in pediatric phonocardiograms. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**, 2014, 2294-7	0.9	24