

Joo Pedrosa

List of Publications by Citations

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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.

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 | Deep Learning for Segmentation Using an Open Large-Scale Dataset in 2D Echocardiography. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2198-2210 | 11.7 | 133 |
| 30 | Fast and Fully Automatic Left Ventricular Segmentation and Tracking in Echocardiography Using Shape-Based B-Spline Explicit Active Surfaces. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 2287-2296 | 11.7 | 38 |
| 29 | Velocities of Naturally Occurring Myocardial Shear Waves Increase With Age and in Cardiac Amyloidosis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2389-2398 | 8.4 | 26 |
| 28 | Automatic heart sound segmentation and murmur detection in pediatric phonocardiograms. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 2294-7 | 0.9 | 24 |
| 27 | Natural Shear Wave Imaging in the Human Heart: Normal Values, Feasibility, and Reproducibility. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019 , 66, 442-452 | 3.2 | 19 |
| 26 | Salience in a social landscape: electrophysiological effects of task-irrelevant and infrequent vocal change. <i>Social Cognitive and Affective Neuroscience</i> , 2016 , 11, 127-39 | 4 | 16 |
| 25 | Left Ventricular Myocardial Segmentation in 3-D Ultrasound Recordings: Effect of Different Endocardial and Epicardial Coupling Strategies. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017 , 64, 525-536 | 3.2 | 13 |
| 24 | Minho Affective Sentences (MAS): Probing the roles of sex, mood, and empathy in affective ratings of verbal stimuli. <i>Behavior Research Methods</i> , 2017 , 49, 698-716 | 6.1 | 12 |
| 23 | Interplay of cardiac remodelling and myocardial stiffness in hypertensive heart disease: a shear wave imaging study using high-frame rate echocardiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 664-672 | 4.1 | 7 |
| 22 | Ventricular mechanics in adolescent and adult patients with a Fontan circulation: Relation to geometry and wall stress. <i>Echocardiography</i> , 2018 , 35, 2035-2046 | 1.5 | 7 |
| 21 | HD-PULSE: High channel Density Programmable ULtrasound System based on consumer Electronics 2015 , | | 5 |
| 20 | Shear Wave Elastography Using High-Frame-Rate Imaging in the Follow-Up of Heart Transplantation Recipients. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2304-2313 | 8.4 | 5 |
| 19 | A Novel 2-D Speckle Tracking Method for High-Frame-Rate Echocardiography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 1764-1775 | 3.2 | 4 |
| 18 | Fully Automatic Assessment of Mitral Valve Morphology from 3D Transthoracic Echocardiography 2018 , | | 4 |
| 17 | Automatic Lung Nodule Detection Combined With Gaze Information Improves Radiologistsa Screening Performance. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 2894-2901 | 7.2 | 3 |
| 16 | LNDb challenge on automatic lung cancer patient management. <i>Medical Image Analysis</i> , 2021 , 70, 102027 | 5.4 | 3 |
| 15 | A multi-task CNN approach for lung nodule malignancy classification and characterization. <i>Expert Systems With Applications</i> , 2021 , 184, 115469 | 7.8 | 2 |

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|----|---|-----|---|
| 14 | heartBEATS: A hybrid energy approach for real-time B-spline explicit active tracking of surfaces. <i>Computerized Medical Imaging and Graphics</i> , 2017 , 62, 26-33 | 7.6 | 1 |
| 13 | Extracting neuronal activity signals from microscopy recordings of contractile tissue using B-spline Explicit Active Surfaces (BEAS) cell tracking. <i>Scientific Reports</i> , 2021 , 11, 10937 | 4.9 | 1 |
| 12 | Automatic short axis orientation of the left ventricle in 3D ultrasound recordings 2016 , | | 1 |
| 11 | Evaluation of Coherence-Based Beamforming for B-Mode and Speckle Tracking Echocardiography 2018 , | | 1 |
| 10 | Systematic Comparison of Left Ventricular Geometry Between 3D-Echocardiography and Cardiac Magnetic Resonance Imaging. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 728205 | 5.4 | 1 |
| 9 | Automatic Definition of an Anatomic Field of View for Volumetric Cardiac Motion Estimation at High Temporal Resolution. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 752 | 2.6 | 0 |
| 8 | Multimodal Multi-tasking for Skin Lesion Classification Using Deep Neural Networks. <i>Lecture Notes in Computer Science</i> , 2021 , 27-38 | 0.9 | 0 |
| 7 | A Multi-dataset Approach for DME Risk Detection in Eye Fundus Images. <i>Lecture Notes in Computer Science</i> , 2020 , 285-298 | 0.9 | 0 |
| 6 | Assessing clinical applicability of COVID-19 detection in chest radiography with deep learning.. <i>Scientific Reports</i> , 2022 , 12, 6596 | 4.9 | 0 |
| 5 | Non-invasive myocardial performance mapping using 3D echocardiographic stress-strain loops. <i>Physics in Medicine and Biology</i> , 2019 , 64, 115026 | 3.8 | |
| 4 | Automatic Lung Reference Model. <i>IFMBE Proceedings</i> , 2020 , 999-1008 | 0.2 | |
| 3 | LNDetector: A Flexible Gaze Characterisation Collaborative Platform for Pulmonary Nodule Screening. <i>IFMBE Proceedings</i> , 2020 , 333-343 | 0.2 | |
| 2 | Interactive Segmentation via Deep Learning and B-Spline Explicit Active Surfaces. <i>Lecture Notes in Computer Science</i> , 2021 , 315-325 | 0.9 | |
| 1 | Lesion-Based Chest Radiography Image Retrieval for Explainability in Pathology Detection. <i>Lecture Notes in Computer Science</i> , 2022 , 81-94 | 0.9 | |