

Ricardo JosÃ© Ferrari

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

919
citations

623574

14
h-index

477173

29
g-index

50
all docs

50
docs citations

50
times ranked

926
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Automatic Identification of the Pectoral Muscle in Mammograms. IEEE Transactions on Medical Imaging, 2004, 23, 232-245. | 5.4 | 175 |
| 2 | Analysis of asymmetry in mammograms via directional filtering with Gabor wavelets. IEEE Transactions on Medical Imaging, 2001, 20, 953-964. | 5.4 | 124 |
| 3 | Identification of the breast boundary in mammograms using active contour models. Medical and Biological Engineering and Computing, 2004, 42, 201-208. | 1.6 | 87 |
| 4 | The Synergistic Effect of Treadmill Running on Stem-Cell Transplantation to Heal Injured Skeletal Muscle. Tissue Engineering - Part A, 2010, 16, 839-849. | 1.6 | 70 |
| 5 | Segmentation of the fibro-glandular disc in mammograms using Gaussian mixture modelling. Medical and Biological Engineering and Computing, 2004, 42, 378-387. | 1.6 | 58 |
| 6 | Robust texture features for response monitoring of glioblastoma multiforme on T1-weighted and T2-FLAIR MR images: A preliminary investigation in terms of identification and segmentation. Medical Physics, 2010, 37, 1722-1736. | 1.6 | 54 |
| 7 | Real-time detection of steam in video images. Pattern Recognition, 2007, 40, 1148-1159. | 5.1 | 52 |
| 8 | Neuromuscular Electrical Stimulation as a Method to Maximize the Beneficial Effects of Muscle Stem Cells Transplanted into Dystrophic Skeletal Muscle. PLoS ONE, 2013, 8, e54922. | 1.1 | 41 |
| 9 | Brain MR image classification for Alzheimer's disease diagnosis using structural hippocampal asymmetrical attributes from directional 3-D log-Gabor filter responses. Neurocomputing, 2021, 419, 126-135. | 3.5 | 33 |
| 10 | Digital Radiographic Image Denoising Via Wavelet-Based Hidden Markov Model Estimation. Journal of Digital Imaging, 2005, 18, 154-167. | 1.6 | 25 |
| 11 | Functional Overloading of Dystrophic Mice Enhances Muscle-Derived Stem Cell Contribution to Muscle Contractile Capacity. Archives of Physical Medicine and Rehabilitation, 2009, 90, 66-73. | 0.5 | 20 |
| 12 | A periodized training attenuates thigh intermuscular fat and improves muscle quality in patients with knee osteoarthritis: results from a randomized controlled trial. Clinical Rheumatology, 2020, 39, 1265-1275. | 1.0 | 20 |
| 13 | A deep ensemble hippocampal CNN model for brain age estimation applied to Alzheimer's diagnosis. Expert Systems With Applications, 2022, 195, 116622. | 4.4 | 17 |
| 14 | Analysis of bilateral asymmetry in mammograms using directional, morphological, and density features. Journal of Electronic Imaging, 2007, 16, 013003. | 0.5 | 16 |
| 15 | Segmentation of multiple sclerosis lesions using support vector machines. , 2003, , . | | 15 |
| 16 | Detection and Characterization of Mammographic Masses by Artificial Neural Network. Computational Imaging and Vision, 1998, , 489-490. | 0.6 | 14 |
| 17 | Off-line determination of the optimal number of iterations of the robust anisotropic diffusion filter applied to denoising of brain MR images. Medical and Biological Engineering and Computing, 2013, 51, 71-88. | 1.6 | 12 |
| 18 | Automatic iterative segmentation of multiple sclerosis lesions using Student's t mixture models and probabilistic anatomical atlases in FLAIR images. Computers in Biology and Medicine, 2016, 73, 10-23. | 3.9 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Detection of point landmarks in 3D medical images via phase congruency model. Journal of the Brazilian Computer Society, 2011, 17, 117-132. | 0.8 | 10 |
| 20 | Automated detection, selection and classification of hippocampal landmark points for the diagnosis of Alzheimer's disease. Computer Methods and Programs in Biomedicine, 2022, 214, 106581. | 2.6 | 8 |
| 21 | Automatic detection of motion blur in intravital video microscopy image sequences via directional statistics of log-Gabor energy maps. Medical and Biological Engineering and Computing, 2015, 53, 151-163. | 1.6 | 7 |
| 22 | Detecting cells in intravital video microscopy using a deep convolutional neural network. Computers in Biology and Medicine, 2021, 129, 104133. | 3.9 | 7 |
| 23 | Initialization of deformable models in 3D magnetic resonance images guided by automatically detected phase congruency point landmarks. Pattern Recognition Letters, 2016, 79, 1-7. | 2.6 | 6 |
| 24 | Detection of the midsagittal plane in MR images using a sheetness measure from eigenanalysis of local 3D phase congruency responses. , 2016, , . | | 5 |
| 25 | Detecting and tracking leukocytes in intravital video microscopy using a Hessian-based spatiotemporal approach. Multidimensional Systems and Signal Processing, 2019, 30, 815-839. | 1.7 | 4 |
| 26 | Automatic Segmentation and Quantification of Thigh Tissues in CT Images. Lecture Notes in Computer Science, 2018, , 261-276. | 1.0 | 4 |
| 27 | Can Bilateral Asymmetry Analysis of Breast MR Images Provide Additional Information for Detection of Breast Diseases?. , 2008, , . | | 3 |
| 28 | <title>Computer simulation of the geometric unsharpness effect on radiologic images</title>. , 1996, 2847, 609. | | 2 |
| 29 | Computerized classification of breast lesions: shape and texture analysis using an artificial neural network. , 1999, , . | | 2 |
| 30 | <title>Comparative of shape and texture features in classifications of breast masses in digitized mammograms</title>. , 2000, , . | | 2 |
| 31 | Detection of Leukocytes in Intravital Video Microscopy Based on the Analysis of Hessian Matrix Eigenvalues. , 2015, , . | | 2 |
| 32 | Midsagittal Plane Detection in Magnetic Resonance Images Using Phase Congruency, Hessian Matrix and Asymmetry Information: A Comparative Study. Lecture Notes in Computer Science, 2018, , 245-260. | 1.0 | 2 |
| 33 | Computerized simulation X-ray focus appraisalment. , 0, , . | | 1 |
| 34 | Detection and Classification of Hippocampal Structural Changes in MR Images as a Biomarker for Alzheimer's Disease. Lecture Notes in Computer Science, 2018, , 406-422. | 1.0 | 1 |
| 35 | Multiple sclerosis lesion enhancement and white matter region estimation using hyperintensities in FLAIR images. Biomedical Signal Processing and Control, 2019, 49, 338-348. | 3.5 | 1 |
| 36 | Construction and Application of a Probabilistic Atlas of 3D Landmark Points for Initialization of Hippocampus Mesh Models in Brain MR Images. Lecture Notes in Computer Science, 2018, , 310-322. | 1.0 | 1 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Detecção de leucócitos em imagens de vídeo de microscopia intravital usando a técnica de congruência de fase. Revista De Informatica Teorica E Aplicada, 2016, 23, 33. | 0.2 | 1 |
| 38 | Exploring Deep Convolutional Neural Networks as Feature Extractors for Cell Detection. Lecture Notes in Computer Science, 2020, , 91-103. | 1.0 | 1 |
| 39 | Detection and characterization of microcalcifications in mammographic images. , 0, , . | | 0 |
| 40 | Detector of 3-D salient points based on the dual-tree complex wavelet transform for the positioning of hippocampi meshes in magnetic resonance images. Journal of Neuroscience Methods, 2020, 341, 108789. | 1.3 | 0 |
| 41 | Assessment of Linear and Non-linear Feature Projections for the Classification of 3-D MR Images on Cognitively Normal, Mild Cognitive Impairment and Alzheimer's Disease. Lecture Notes in Computer Science, 2021, , 18-33. | 1.0 | 0 |
| 42 | Classification of Brain MR Images for the Diagnosis of Alzheimer's Disease Based on Features Extracted from the Three Main Brain Tissues. Smart Innovation, Systems and Technologies, 2021, , 212-219. | 0.5 | 0 |
| 43 | Comparative Evaluation of Statistical Pattern Recognition Techniques for the Classification of Breast Lesions. Computational Imaging and Vision, 1998, , 249-252. | 0.6 | 0 |
| 44 | Do multiple sclerosis lesions affect the outcome of magnetic resonance image registration?. Revista De Informatica Teorica E Aplicada, 2014, 21, 47. | 0.2 | 0 |
| 45 | Deconvolução Cega Aplicada à Correção de Artefatos de Movimento em Imagens de Vídeo de Microscopia Intravital para Detecção Automática de Leucócitos. Revista De Informatica Teorica E Aplicada, 2015, 22, 52. | 0.2 | 0 |
| 46 | Classification of Active Multiple Sclerosis Lesions in MRI Without the Aid of Gadolinium-Based Contrast Using Textural and Enhanced Features from FLAIR Images. Lecture Notes in Computer Science, 2020, , 60-74. | 1.0 | 0 |
| 47 | Automatic Positioning of Hippocampus Deformable Mesh Models in Brain MR Images Using a Weighted 3D-SIFT Technique. Lecture Notes in Computer Science, 2020, , 75-90. | 1.0 | 0 |