

Laura Igual

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.

39
papers

703
citations

13
h-index

26
g-index

43
ext. papers

869
ext. citations

3.3
avg, IF

3.8
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 39 | Last Advances on Automatic Carotid Artery Analysis in Ultrasound Images: Towards Deep Learning. <i>Intelligent Systems Reference Library</i> , 2022 , 215-247 | 0.8 | |
| 38 | Data preparation for artificial intelligence in medical imaging: A comprehensive guide to open-access platforms and tools. <i>Physica Medica</i> , 2021 , 83, 25-37 | 2.7 | 19 |
| 37 | Do individuals with autoimmune disease have increased risk of subclinical carotid atherosclerosis and stiffness?. <i>Hypertension Research</i> , 2021 , 44, 978-987 | 4.7 | 0 |
| 36 | Semantic segmentation with DenseNets for carotid artery ultrasound plaque segmentation and CIMT estimation. <i>Artificial Intelligence in Medicine</i> , 2020 , 103, 101784 | 7.4 | 12 |
| 35 | Detection of Midline Brain Abnormalities Using Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2019 , 152-160 | 0.9 | 0 |
| 34 | Cage Active Contours for image warping and morphing. <i>Eurasip Journal on Image and Video Processing</i> , 2018 , 2018, | 2.5 | 1 |
| 33 | Multiple Sclerosis Lesion Segmentation using Improved Convolutional Neural Networks 2018 , | | 6 |
| 32 | Increased nucleus accumbens volume in first-episode psychosis. <i>Psychiatry Research - Neuroimaging</i> , 2017 , 263, 57-60 | 2.9 | 5 |
| 31 | Subspace Procrustes Analysis. <i>International Journal of Computer Vision</i> , 2017 , 121, 327-343 | 10.6 | 3 |
| 30 | Data-driven system to predict academic grades and dropout. <i>PLoS ONE</i> , 2017 , 12, e0171207 | 3.7 | 42 |
| 29 | A Convolutional Neural Network for Automatic Characterization of Plaque Composition in Carotid Ultrasound. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017 , 21, 48-55 | 7.2 | 104 |
| 28 | A Gesture Recognition System for Detecting Behavioral Patterns of ADHD. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 136-47 | 10.2 | 25 |
| 27 | Image Segmentation With Cage Active Contours. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 5557-667 | 6.7 | 4 |
| 26 | Affine Coordinate-Based Parametrized Active Contours for 2D and 3D Image Segmentation. <i>Communications in Computer and Information Science</i> , 2015 , 206-222 | 0.3 | |
| 25 | Subspace Procrustes Analysis. <i>Lecture Notes in Computer Science</i> , 2015 , 654-668 | 0.9 | 1 |
| 24 | 2014 , | | 5 |
| 23 | Continuous Generalized Procrustes analysis. <i>Pattern Recognition</i> , 2014 , 47, 659-671 | 7.7 | 15 |

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|----|---|-----|----|
| 22 | Label Consistent Multiclass Discriminative Dictionary Learning for MRI Segmentation. <i>Lecture Notes in Computer Science</i> , 2014 , 138-147 | 0.9 | 4 |
| 21 | Robust gait-based gender classification using depth cameras. <i>Eurasip Journal on Image and Video Processing</i> , 2013 , 2013, | 2.5 | 31 |
| 20 | A Supervised Graph-Cut Deformable Model for Brain MRI Segmentation. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2013 , 237-259 | 0.3 | |
| 19 | BAGGED ONE-CLASS CLASSIFIERS IN THE PRESENCE OF OUTLIERS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2013 , 27, 1350014 | 1.1 | 5 |
| 18 | Uniform Sampling of Rotations for Discrete and Continuous Learning of 2D Shape Models 2013 , 23-42 | | 5 |
| 17 | Automatic brain caudate nuclei segmentation and classification in diagnostic of Attention-Deficit/Hyperactivity Disorder. <i>Computerized Medical Imaging and Graphics</i> , 2012 , 36, 591-600 | 7.6 | 18 |
| 16 | Supervised brain segmentation and classification in diagnostic of Attention-Deficit/Hyperactivity Disorder 2012 , | | 4 |
| 15 | Depth Information in Human Gait Analysis: An Experimental Study on Gender Recognition. <i>Lecture Notes in Computer Science</i> , 2012 , 98-105 | 0.9 | 22 |
| 14 | Accurate coronary centerline extraction, caliber estimation and catheter detection in angiographies. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012 , 16, 1332-40 | | 40 |
| 13 | Automatic Internal Segmentation of Caudate Nucleus for Diagnosis of Attention-Deficit/Hyperactivity Disorder. <i>Lecture Notes in Computer Science</i> , 2012 , 222-229 | 0.9 | 4 |
| 12 | A fully-automatic caudate nucleus segmentation of brain MRI: application in volumetric analysis of pediatric attention-deficit/hyperactivity disorder. <i>BioMedical Engineering OnLine</i> , 2011 , 10, 105 | 4.1 | 20 |
| 11 | Accurate and robust fully-automatic QCA: method and numerical validation. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 496-503 | 0.9 | 5 |
| 10 | 2010 , | | 6 |
| 9 | Weighted Bagging for Graph Based One-Class Classifiers. <i>Lecture Notes in Computer Science</i> , 2010 , 1-10 | 0.9 | 5 |
| 8 | Intestinal motor activity, endoluminal motion and transit. <i>Neurogastroenterology and Motility</i> , 2009 , 21, 1264-e119 | 4 | 18 |
| 7 | A Contrast Invariant Approach to Motion Estimation: Validation and Application to Motion Estimation Improvement. <i>Mathematics in Industry</i> , 2008 , 863-867 | 0.2 | 1 |
| 6 | Diagnostic System for Intestinal Motility Dysfunctions Using Video Capsule Endoscopy 2008 , 251-260 | | 5 |
| 5 | Level Lines Selection with Variational Models for Segmentation and Encoding. <i>Journal of Mathematical Imaging and Vision</i> , 2007 , 27, 5-27 | 1.6 | 21 |

- 4 Eigenmotion-Based Detection of Intestinal Contractions. *Lecture Notes in Computer Science*, **2007**, 293-309 5
- 3 A Semi-supervised Learning Method for Motility Disease Diagnostic **2007**, 773-782 1
- 2 An axiomatic approach to scalar data interpolation on surfaces. *Numerische Mathematik*, **2006**, 102, 383-411 9
- 1 A Variational Model for P+XS Image Fusion. *International Journal of Computer Vision*, **2006**, 69, 43-58 10.6 231