

# Laura Igual

## 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.

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	A Variational Model for P+XS Image Fusion. <i>International Journal of Computer Vision</i> , <b>2006</b> , 69, 43-58	10.6	231
38	A Convolutional Neural Network for Automatic Characterization of Plaque Composition in Carotid Ultrasound. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2017</b> , 21, 48-55	7.2	104
37	Data-driven system to predict academic grades and dropout. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171207	3.7	42
36	Accurate coronary centerline extraction, caliber estimation and catheter detection in angiographies. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2012</b> , 16, 1332-40		40
35	Robust gait-based gender classification using depth cameras. <i>Eurasip Journal on Image and Video Processing</i> , <b>2013</b> , 2013,	2.5	31
34	A Gesture Recognition System for Detecting Behavioral Patterns of ADHD. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 136-47	10.2	25
33	Depth Information in Human Gait Analysis: An Experimental Study on Gender Recognition. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 98-105	0.9	22
32	Level Lines Selection with Variational Models for Segmentation and Encoding. <i>Journal of Mathematical Imaging and Vision</i> , <b>2007</b> , 27, 5-27	1.6	21
31	A fully-automatic caudate nucleus segmentation of brain MRI: application in volumetric analysis of pediatric attention-deficit/hyperactivity disorder. <i>BioMedical Engineering OnLine</i> , <b>2011</b> , 10, 105	4.1	20
30	Data preparation for artificial intelligence in medical imaging: A comprehensive guide to open-access platforms and tools. <i>Physica Medica</i> , <b>2021</b> , 83, 25-37	2.7	19
29	Automatic brain caudate nuclei segmentation and classification in diagnostic of Attention-Deficit/Hyperactivity Disorder. <i>Computerized Medical Imaging and Graphics</i> , <b>2012</b> , 36, 591-600	7.6	18
28	Intestinal motor activity, endoluminal motion and transit. <i>Neurogastroenterology and Motility</i> , <b>2009</b> , 21, 1264-e119	4	18
27	Continuous Generalized Procrustes analysis. <i>Pattern Recognition</i> , <b>2014</b> , 47, 659-671	7.7	15
26	Semantic segmentation with DenseNets for carotid artery ultrasound plaque segmentation and CIMT estimation. <i>Artificial Intelligence in Medicine</i> , <b>2020</b> , 103, 101784	7.4	12
25	An axiomatic approach to scalar data interpolation on surfaces. <i>Numerische Mathematik</i> , <b>2006</b> , 102, 383-411		9
24	<b>2010</b> ,		6
23	Multiple Sclerosis Lesion Segmentation using Improved Convolutional Neural Networks <b>2018</b> ,		6

22	Increased nucleus accumbens volume in first-episode psychosis. <i>Psychiatry Research - Neuroimaging</i> , <b>2017</b> , 263, 57-60	2.9	5
21	<b>2014</b> ,		5
20	BAGGED ONE-CLASS CLASSIFIERS IN THE PRESENCE OF OUTLIERS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , <b>2013</b> , 27, 1350014	1.1	5
19	Uniform Sampling of Rotations for Discrete and Continuous Learning of 2D Shape Models <b>2013</b> , 23-42		5
18	Eigenmotion-Based Detection of Intestinal Contractions. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 293-300		5
17	Diagnostic System for Intestinal Motility Dysfunctions Using Video Capsule Endoscopy <b>2008</b> , 251-260		5
16	Weighted Bagging for Graph Based One-Class Classifiers. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 1-10	0.9	5
15	Accurate and robust fully-automatic QCA: method and numerical validation. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 14, 496-503	0.9	5
14	Image Segmentation With Cage Active Contours. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 5557-667		4
13	Supervised brain segmentation and classification in diagnostic of Attention-Deficit/Hyperactivity Disorder <b>2012</b> ,		4
12	Label Consistent Multiclass Discriminative Dictionary Learning for MRI Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 138-147	0.9	4
11	Automatic Internal Segmentation of Caudate Nucleus for Diagnosis of Attention-Deficit/Hyperactivity Disorder. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 222-229	0.9	4
10	Subspace Procrustes Analysis. <i>International Journal of Computer Vision</i> , <b>2017</b> , 121, 327-343	10.6	3
9	Cage Active Contours for image warping and morphing. <i>Eurasip Journal on Image and Video Processing</i> , <b>2018</b> , 2018,	2.5	1
8	A Contrast Invariant Approach to Motion Estimation: Validation and Application to Motion Estimation Improvement. <i>Mathematics in Industry</i> , <b>2008</b> , 863-867	0.2	1
7	A Semi-supervised Learning Method for Motility Disease Diagnostic <b>2007</b> , 773-782		1
6	Subspace Procrustes Analysis. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 654-668	0.9	1
5	Detection of Midline Brain Abnormalities Using Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 152-160	0.9	0

- 4 Do individuals with autoimmune disease have increased risk of subclinical carotid atherosclerosis and stiffness?. *Hypertension Research*, **2021**, 44, 978-987 4.7 ○
- 3 Affine Coordinate-Based Parametrized Active Contours for 2D and 3D Image Segmentation. *Communications in Computer and Information Science*, **2015**, 206-222 0.3
- 2 A Supervised Graph-Cut Deformable Model for Brain MRI Segmentation. *Lecture Notes in Computational Vision and Biomechanics*, **2013**, 237-259 0.3
- 1 Last Advances on Automatic Carotid Artery Analysis in Ultrasound Images: Towards Deep Learning. *Intelligent Systems Reference Library*, **2022**, 215-247 0.8