

Luis Gonzalez-Abril

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.

64 papers	786 citations	16 h-index	25 g-index
67 ext. papers	906 ext. citations	3.8 avg, IF	4.17 L-index

#	Paper	IF	Citations
64	Trip destination prediction based on past GPS log using a Hidden Markov Model. <i>Expert Systems With Applications</i> , 2010 , 37, 8166-8171	7.8	88
63	Ameva: An autonomous discretization algorithm. <i>Expert Systems With Applications</i> , 2009 , 36, 5327-5332	7.8	72
62	Mobile activity recognition and fall detection system for elderly people using Ameva algorithm. <i>Pervasive and Mobile Computing</i> , 2017 , 34, 3-13	3.5	59
61	Online motion recognition using an accelerometer in a mobile device. <i>Expert Systems With Applications</i> , 2012 , 39, 2461-2465	7.8	50
60	Multi-Classification by Using Tri-Class SVM. <i>Neural Processing Letters</i> , 2006 , 23, 89-101	2.4	37
59	Low energy physical activity recognition system on smartphones. <i>Sensors</i> , 2015 , 15, 5163-96	3.8	34
58	GSVM: An SVM for handling imbalanced accuracy between classes in bi-classification problems. <i>Applied Soft Computing Journal</i> , 2014 , 17, 23-31	7.5	33
57	A Note on the bias in SVMs for multiclassification. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 723-5		26
56	Support vector machines for interval discriminant analysis. <i>Neurocomputing</i> , 2008 , 71, 1220-1229	5.4	24
55	Discrete techniques applied to low-energy mobile human activity recognition. A new approach. <i>Expert Systems With Applications</i> , 2014 , 41, 6138-6146	7.8	18
54	Dual unification of bi-class support vector machine formulations. <i>Pattern Recognition</i> , 2006 , 39, 1325-1332	7.7	18
53	Categorizing paintings in art styles based on qualitative color descriptors, quantitative global features and machine learning (QArt-Learn). <i>Expert Systems With Applications</i> , 2018 , 97, 83-94	7.8	18
52	A study on saving energy in artificial lighting by making smart use of wireless sensor networks and actuators. <i>IEEE Network</i> , 2009 , 23, 16-20	11.4	17
51	Qualitative distances and qualitative image descriptions for representing indoor scenes in robotics. <i>Pattern Recognition Letters</i> , 2013 , 34, 731-743	4.7	16
50	Measures of Similarity Between Objects Based on Qualitative Shape Descriptions. <i>Spatial Cognition and Computation</i> , 2013 , 13, 181-218	1.3	16
49	Unified dual for bi-class SVM approaches. <i>Pattern Recognition</i> , 2005 , 38, 1772-1774	7.7	16
48	Energy wasting at internet data centers due to fear. <i>Pattern Recognition Letters</i> , 2015 , 67, 59-65	4.7	15

47	A model for the qualitative description of images based on visual and spatial features. <i>Computer Vision and Image Understanding</i> , 2012 , 116, 698-714	4.3	13
46	Smart scheduling for saving energy in grid computing. <i>Expert Systems With Applications</i> , 2012 , 39, 9443-9450	4.5	13
45	Detection of correct and incorrect measurements in real-time continuous glucose monitoring systems by applying a postprocessing support vector machine. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 1891-9	5	13
44	Discrete classification technique applied to TV advertisements liking recognition system based on low-cost EEG headsets. <i>BioMedical Engineering OnLine</i> , 2016 , 15 Suppl 1, 75	4.1	13
43	A study on output normalization in multiclass SVMs. <i>Pattern Recognition Letters</i> , 2013 , 34, 344-348	4.7	12
42	Handling binary classification problems with a priority class by using Support Vector Machines. <i>Applied Soft Computing Journal</i> , 2017 , 61, 661-669	7.5	12
41	Improving SVM Classification on Imbalanced Datasets by Introducing a New Bias. <i>Journal of Classification</i> , 2017 , 34, 427-443	1.2	11
40	A model for colour naming and comparing based on conceptual neighbourhood. An application for comparing art compositions. <i>Knowledge-Based Systems</i> , 2015 , 81, 1-21	7.3	11
39	Outdoor exit detection using combined techniques to increase GPS efficiency. <i>Expert Systems With Applications</i> , 2012 , 39, 12260-12267	7.8	11
38	Software reference architecture for smart environments: Perception. <i>Computer Standards and Interfaces</i> , 2014 , 36, 928-940	3.5	9
37	Customising a qualitative colour description for adaptability and usability. <i>Pattern Recognition Letters</i> , 2015 , 67, 2-10	4.7	8
36	Measures of similarity between qualitative descriptions of shape, colour and size applied to mosaic assembling. <i>Journal of Visual Communication and Image Representation</i> , 2013 , 24, 388-396	2.7	8
35	A model for qualitative colour comparison using interval distances. <i>Displays</i> , 2013 , 34, 250-257	3.4	8
34	Creating adaptive learning paths using Ant Colony Optimization and Bayesian Networks 2008 ,		8
33	Advertising Liking Recognition Technique Applied to Neuromarketing by Using Low-Cost EEG Headset. <i>Lecture Notes in Computer Science</i> , 2015 , 701-709	0.9	6
32	2D qualitative shape matching applied to ceramic mosaic assembly. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 1973-1983	6.7	6
31	A new approach to qualitative learning in time series. <i>Expert Systems With Applications</i> , 2009 , 36, 9924-9927	7.2	6
30	A Proposal to Evolving Towards Digital Twins in Healthcare. <i>Lecture Notes in Computer Science</i> , 2020 , 418-426	0.9	6

29	Designing adaptive learning itineraries using features modelling and swarm intelligence. <i>Neural Computing and Applications</i> , 2011 , 20, 623-639	4.8	5
28	Support vector machines for classification of input vectors with different metrics. <i>Computers and Mathematics With Applications</i> , 2011 , 61, 2874-2878	2.7	5
27	Temporally-aware algorithms for the classification of anuran sounds. <i>PeerJ</i> , 2018 , 6, e4732	3.1	5
26	Obtaining Discriminative Colour Names According to the Context: Using a Fuzzy Colour Model and Probabilistic Reference Grounding. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2019 , 27, 107-142	0.8	5
25	Gate points in continuous location between regions with different \mathbb{P} norms. <i>European Journal of Operational Research</i> , 2012 , 218, 648-655	5.6	4
24	Trojan horses in mobile devices. <i>Computer Science and Information Systems</i> , 2010 , 7, 813-822	0.8	4
23	Generative Adversarial Networks for Anonymized Healthcare of Lung Cancer Patients. <i>Electronics (Switzerland)</i> , 2021 , 10, 2220	2.6	4
22	PERFORMANCE IMPROVEMENT USING ADAPTIVE LEARNING ITINERARIES. <i>Computational Intelligence</i> , 2012 , 28, 234-260	2.5	3
21	Smart Environment Software Reference Architecture 2009 ,		3
20	Extracting Feeling From Food Colour. <i>Smart Innovation, Systems and Technologies</i> , 2020 , 15-24	0.5	3
19	Creating, Interpreting and Rating Harmonic Colour Palettes Using a Cognitively Inspired Model. <i>Cognitive Computation</i> , 2020 , 12, 442-459	4.4	3
18	Intertemporal and spatial location of disposal facilities. <i>Spanish Economic Review</i> , 2009 , 11, 23-49		2
17	A study of the similarities between topics. <i>Computational Statistics</i> , 2005 , 20, 465-479	1	2
16	Activity Recognition System Using Non-intrusive Devices through a Complementary Technique Based on Discrete Methods. <i>Communications in Computer and Information Science</i> , 2013 , 36-47	0.3	2
15	Sketch retrieval based on qualitative shape similarity matching: Towards a tool for teaching geometry to children. <i>AI Communications</i> , 2015 , 28, 73-86	0.8	1
14	A similarity measure between videos using alignment, graphical and speech features. <i>Expert Systems With Applications</i> , 2012 , 39, 10278-10282	7.8	1
13	ICTD Work, Plus mFeel. <i>IEEE Pervasive Computing</i> , 2012 , 11, 43-45	1.3	1
12	Delivery Improvement for Transport Companies 2008 ,		1

11	Tracking System Based on Accelerometry for Users with Restricted Physical Activity. <i>Lecture Notes in Computer Science</i> , 2010 , 470-483	0.9	1
10	Single-facility location problems in two regions with ℓ_1 - and ℓ_∞ norms separated by a straight line. <i>European Journal of Operational Research</i> , 2018 , 269, 577-589	5.6	0
9	A Fuzzy Colour Model Sensitive to the Context: Study Cases Using PRAGR and Logics. <i>Lecture Notes in Computer Science</i> , 2017 , 207-219	0.9	
8	Discretization of Continuous Features by Using a Kernel 2007 , 129-136		
7	Interoperability for transport companies 2007 , 519-522		
6	TOURISM INDUSTRY PROJECT CONNECTED 4.0. AT CRUISING SPEED. <i>Dyna (Spain)</i> , 2018 , 93, 470-470	0.4	
5	La sensibilidad de los parámetros en el mercado potencial y actual de una organización. <i>Innovar</i> , 2015 , 25, 107-120	0.4	
4	Event-Based Method for Detecting Trojan Horses in Mobile Devices. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2010 , 153-162	0.2	
3	LECOMP: Low Energy CONsumption Mesh Protocol in WSN. <i>Advances in Intelligent and Soft Computing</i> , 2011 , 205-212		
2	Activity Recognition System Using AMEVA Method. <i>Communications in Computer and Information Science</i> , 2013 , 137-147	0.3	
1	Recommendation System: A Contribution to Glycaemia Excursion Identification. <i>IFMBE Proceedings</i> , 2016 , 1162-1166	0.2	