Luis Gonzalez-Abril

List of Publications by Year in Descending Order

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	Generative Adversarial Networks for Anonymized Healthcare of Lung Cancer Patients. *Electronics (Switzerland)*, **2021**, 10, 2220	2.6	4
63	A Proposal to Evolving Towards Digital Twins in Healthcare. *Lecture Notes in Computer Science*, **2020**, 418-426	0.9	6
62	Extracting Feeling From Food Colour. *Smart Innovation, Systems and Technologies*, **2020**, 15-24	0.5	3
61	Creating, Interpreting and Rating Harmonic Colour Palettes Using a Cognitively Inspired Model. *Cognitive Computation*, **2020**, 12, 442-459	4.4	3
60	Obtaining Discriminative Colour Names According to the Context: Using a Fuzzy Colour Model and Probabilistic Reference Grounding. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2019**, 27, 107-142	0.8	5
59	Single-facility location problems in two regions with 1- and norms separated by a straight line. *European Journal of Operational Research*, **2018**, 269, 577-589	5.6	0
58	Temporally-aware algorithms for the classification of anuran sounds. *PeerJ*, **2018**, 6, e4732	3.1	5
57	TOURISM INDUSTRY PROJECT CONNECTED 4.0. AT CRUISING SPEED. *Dyna (Spain)*, **2018**, 93, 470-470	0.4	
56	Categorizing paintings in art styles based on qualitative color descriptors, quantitative global features and machine learning (QArt-Learn). *Expert Systems With Applications*, **2018**, 97, 83-94	7.8	18
55	Mobile activity recognition and fall detection system for elderly people using Ameva algorithm. *Pervasive and Mobile Computing*, **2017**, 34, 3-13	3.5	59
54	A Fuzzy Colour Model Sensitive to the Context: Study Cases Using PRAGR and Logics. *Lecture Notes in Computer Science*, **2017**, 207-219	0.9	
53	Improving SVM Classification on Imbalanced Datasets by Introducing a New Bias. *Journal of Classification*, **2017**, 34, 427-443	1.2	11
52	Handling binary classification problems with a priority class by using Support Vector Machines. *Applied Soft Computing Journal*, **2017**, 61, 661-669	7.5	12
51	Recommendation System: A Contribution to Glycaemia Excursion Identification. *IFMBE Proceedings*, **2016**, 1162-1166	0.2	
50	Discrete classification technique applied to TV advertisements liking recognition system based on low-cost EEG headsets. *BioMedical Engineering OnLine*, **2016**, 15 Suppl 1, 75	4.1	13
49	Customising a qualitative colour description for adaptability and usability. *Pattern Recognition Letters*, **2015**, 67, 2-10	4.7	8
48	Sketch retrieval based on qualitative shape similarity matching: Towards a tool for teaching geometry to children. *AI Communications*, **2015**, 28, 73-86	0.8	1

47	Low energy physical activity recognition system on smartphones. *Sensors*, **2015**, 15, 5163-96	3.8	34
46	A model for colour naming and comparing based on conceptual neighbourhood. An application for comparing art compositions. *Knowledge-Based Systems*, **2015**, 81, 1-21	7.3	11
45	Advertising Liking Recognition Technique Applied to Neuromarketing by Using Low-Cost EEG Headset. *Lecture Notes in Computer Science*, **2015**, 701-709	0.9	6
44	Energy wasting at internet data centers due to fear. *Pattern Recognition Letters*, **2015**, 67, 59-65	4.7	15
43	La sensibilidad de los par□metros en el mercado potencial y actual de una organizaci□. *Innovar*, **2015**, 25, 107-120	0.4	
42	Software reference architecture for smart environments: Perception. *Computer Standards and Interfaces*, **2014**, 36, 928-940	3.5	9
41	Discrete techniques applied to low-energy mobile human activity recognition. A new approach. *Expert Systems With Applications*, **2014**, 41, 6138-6146	7.8	18
40	GSVM: An SVM for handling imbalanced accuracy between classes inbi-classification problems. *Applied Soft Computing Journal*, **2014**, 17, 23-31	7.5	33
39	Measures of similarity between qualitative descriptions of shape, colour and size applied to mosaic assembling. *Journal of Visual Communication and Image Representation*, **2013**, 24, 388-396	2.7	8
38	Detection of correct and incorrect measurements in real-time continuous glucose monitoring systems by applying a postprocessing support vector machine. *IEEE Transactions on Biomedical Engineering*, **2013**, 60, 1891-9	5	13
37	A study on output normalization in multiclass SVMs. *Pattern Recognition Letters*, **2013**, 34, 344-348	4.7	12
36	A model for qualitative colour comparison using interval distances. *Displays*, **2013**, 34, 250-257	3.4	8
35	Qualitative distances and qualitative image descriptions for representing indoor scenes in robotics. *Pattern Recognition Letters*, **2013**, 34, 731-743	4.7	16
34	Measures of Similarity Between Objects Based on Qualitative Shape Descriptions. *Spatial Cognition and Computation*, **2013**, 13, 181-218	1.3	16
33	Activity Recognition System Using Non-intrusive Devices through a Complementary Technique Based on Discrete Methods. *Communications in Computer and Information Science*, **2013**, 36-47	0.3	2
32	Activity Recognition System Using AMEVA Method. *Communications in Computer and Information Science*, **2013**, 137-147	0.3	
31	A model for the qualitative description of images based on visual and spatial features. *Computer Vision and Image Understanding*, **2012**, 116, 698-714	4.3	13
30	Gate points in continuous location between regions with different □ norms. *European Journal of Operational Research*, **2012**, 218, 648-655	5.6	4

29	Online motion recognition using an accelerometer in a mobile device. *Expert Systems With Applications*, **2012**, 39, 2461-2465	7.8	50
28	Smart scheduling for saving energy in grid computing. *Expert Systems With Applications*, **2012**, 39, 9443-9450	7.8	13
27	A similarity measure between videos using alignment, graphical and speech features. *Expert Systems With Applications*, **2012**, 39, 10278-10282	7.8	1
26	PERFORMANCE IMPROVEMENT USING ADAPTIVE LEARNING ITINERARIES. *Computational Intelligence*, **2012**, 28, 234-260	2.5	3
25	2D qualitative shape matching applied to ceramic mosaic assembly. *Journal of Intelligent Manufacturing*, **2012**, 23, 1973-1983	6.7	6
24	ICTD Work, Plus mFeel. *IEEE Pervasive Computing*, **2012**, 11, 43-45	1.3	1
23	Outdoor exit detection using combined techniques to increase GPS efficiency. *Expert Systems With Applications*, **2012**, 39, 12260-12267	7.8	11
22	Designing adaptive learning itineraries using features modelling and swarm intelligence. *Neural Computing and Applications*, **2011**, 20, 623-639	4.8	5
21	Support vector machines for classification of input vectors with different metrics. *Computers and Mathematics With Applications*, **2011**, 61, 2874-2878	2.7	5
20	LECOMP: Low Energy COnsumption Mesh Protocol in WSN. *Advances in Intelligent and Soft Computing*, **2011**, 205-212		
19	Trip destination prediction based on past GPS log using a Hidden Markov Model. *Expert Systems With Applications*, **2010**, 37, 8166-8171	7.8	88
18	Trojan horses in mobile devices. *Computer Science and Information Systems*, **2010**, 7, 813-822	0.8	4
17	Event-Based Method for Detecting Trojan Horses in Mobile Devices. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2010**, 153-162	0.2	
16	Tracking System Based on Accelerometry for Users with Restricted Physical Activity. *Lecture Notes in Computer Science*, **2010**, 470-483	0.9	1
15	Intertemporal and spatial location of disposal facilities. *Spanish Economic Review*, **2009**, 11, 23-49		2
14	Ameva: An autonomous discretization algorithm. *Expert Systems With Applications*, **2009**, 36, 5327-5332	7.8	72
13	A new approach to qualitative learning in time series. *Expert Systems With Applications*, **2009**, 36, 9924-9927	7.8	6
12	Smart Environment Software Reference Architecture **2009**,		3

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11	A study on saving energy in artificial lighting by making smart use of wireless sensor networks and actuators. *IEEE Network*, **2009**, 23, 16-20	11.4	17
10	Support vector machines for interval discriminant analysis. *Neurocomputing*, **2008**, 71, 1220-1229	5.4	24
9	Creating adaptive learning paths using Ant Colony Optimization and Bayesian Networks **2008**,		8
8	Delivery Improvement for Transport Companies **2008**,		1
7	A Note on the bias in SVMs for multiclassification. *IEEE Transactions on Neural Networks*, **2008**, 19, 723-5		26
6	Discretization of Continuous Features by Using a Kernel **2007**, 129-136		
5	Interoperability for transport companies **2007**, 519-522		
4	Dual unification of bi-class support vector machine formulations. *Pattern Recognition*, **2006**, 39, 1325-1332	7.7	18
3	Multi-Classification by Using Tri-Class SVM. *Neural Processing Letters*, **2006**, 23, 89-101	2.4	37
2	Unified dual for bi-class SVM approaches. *Pattern Recognition*, **2005**, 38, 1772-1774	7.7	16
1	A study of the similarities between topics. *Computational Statistics*, **2005**, 20, 465-479	1	2