

# Juan JosÃ© Pantrigo

## List of Publications by Year in descending order

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53  
papers

1,175  
citations

566801

15  
h-index

395343

33  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1050  
citing authors

#	ARTICLE	IF	CITATIONS
1	Convolutional Neural Networks and Long Short-Term Memory for skeleton-based human activity and hand gesture recognition. <i>Pattern Recognition</i> , 2018, 76, 80-94.	5.1	291
2	Artificial intelligence within the interplay between natural and artificial computation: Advances in data science, trends and applications. <i>Neurocomputing</i> , 2020, 410, 237-270.	3.5	121
3	Multi-objective variable neighborhood search: an application to combinatorial optimization problems. <i>Journal of Global Optimization</i> , 2015, 63, 515-536.	1.1	71
4	Variable Formulation Search for the Cutwidth Minimization Problem. <i>Applied Soft Computing Journal</i> , 2013, 13, 2242-2252.	4.1	57
5	Differential optical flow applied to automatic facial expression recognition. <i>Neurocomputing</i> , 2011, 74, 1272-1282.	3.5	51
6	Variable neighborhood search for the Vertex Separation Problem. <i>Computers and Operations Research</i> , 2012, 39, 3247-3255.	2.4	48
7	Combining intensification and diversification strategies in VNS. An application to the Vertex Separation problem. <i>Computers and Operations Research</i> , 2014, 52, 209-219.	2.4	47
8	Scatter search for the cutwidth minimization problem. <i>Annals of Operations Research</i> , 2012, 199, 285-304.	2.6	45
9	Parallel variable neighbourhood search strategies for the cutwidth minimization problem. <i>IMA Journal of Management Mathematics</i> , 2016, 27, 55-73.	1.1	38
10	Accurate three-dimensional pose recognition from monocular images using template matched filtering. <i>Optical Engineering</i> , 2016, 55, 063102.	0.5	35
11	Multiple and variable target visual tracking for video-surveillance applications. <i>Pattern Recognition Letters</i> , 2010, 31, 1577-1590.	2.6	30
12	Multi-dimensional visual tracking using scatter search particle filter. <i>Pattern Recognition Letters</i> , 2008, 29, 1160-1174.	2.6	23
13	Linguistic description of traffic in a roundabout. , 2010, , .		22
14	Bayesian capsule networks for 3D human pose estimation from single 2D images. <i>Neurocomputing</i> , 2020, 379, 64-73.	3.5	22
15	Branch and bound for the cutwidth minimization problem. <i>Computers and Operations Research</i> , 2013, 40, 137-149.	2.4	20
16	Particle filter on GPUs for real-time tracking. , 2004, , .		19
17	Real-time human body tracking based on data fusion from multiple RGB-D sensors. <i>Multimedia Tools and Applications</i> , 2017, 76, 4249-4271.	2.6	19
18	Multiview 3D human pose estimation using improved least-squares and LSTM networks. <i>Neurocomputing</i> , 2019, 323, 335-343.	3.5	17

#	ARTICLE	IF	CITATIONS
19	High performance memetic algorithm particle filter for multiple object tracking on modern GPUs. <i>Soft Computing</i> , 2012, 16, 217-230.	2.1	16
20	Multiscale and local search methods for real time region tracking with particle filters: local search driven by adaptive scale estimation on GPUs. <i>Machine Vision and Applications</i> , 2009, 21, 43-58.	1.7	15
21	Human activity recognition based on kinematic features. <i>Expert Systems</i> , 2014, 31, 345-353.	2.9	14
22	Lightweight tracking-by-detection system for multiple pedestrian targets. <i>Integrated Computer-Aided Engineering</i> , 2016, 23, 299-311.	2.5	11
23	Convolutional neural networks for computer vision-based detection and recognition of dumpsters. <i>Neural Computing and Applications</i> , 2020, 32, 13203-13211.	3.2	11
24	Radar-based road-traffic monitoring in urban environments. , 2013, 23, 364-374.		9
25	Scatter Search Particle Filter for 2D Real-Time Hands and Face Tracking. <i>Lecture Notes in Computer Science</i> , 2005, , 953-960.	1.0	9
26	Three-dimensional pose tracking by image correlation and particle filtering. <i>Optical Engineering</i> , 2018, 57, 1.	0.5	9
27	Improving GPU particle filter with shader model 3.0 for visual tracking. , 2006, , .		8
28	Heuristic particle filter: applying abstraction techniques to the design of visual tracking algorithms. <i>Expert Systems</i> , 2011, 28, 49-69.	2.9	8
29	Scatter Search Particle Filter to Solve the Dynamic Travelling Salesman Problem. <i>Lecture Notes in Computer Science</i> , 2005, , 177-189.	1.0	8
30	Representation spaces in a visual-based human action recognition system. <i>Neurocomputing</i> , 2009, 72, 901-915.	3.5	7
31	Fine-grained graphics architectural simulation with Qsilver. , 2005, , .		6
32	High Speed Articulated Object Tracking Using GPUs: A Particle Filter Approach. , 2009, , .		6
33	A knowledge-based component library for high-level computer vision tasks. <i>Knowledge-Based Systems</i> , 2014, 70, 407-419.	4.0	6
34	Performance evaluation of a 3D multi-view-based particle filter for visual object tracking using GPUs and multicore CPUs. <i>Journal of Real-Time Image Processing</i> , 2018, 15, 309-327.	2.2	6
35	Human Action Recognition Based on Tracking Features. <i>Lecture Notes in Computer Science</i> , 2011, , 471-480.	1.0	5
36	Top-Down Evolutionary Image Segmentation Using a Hierarchical Social Metaheuristic. <i>Lecture Notes in Computer Science</i> , 2004, , 301-311.	1.0	4

#	ARTICLE	IF	CITATIONS
37	Hybridizing particle filters and population-based metaheuristics for dynamic optimization problems. , 2005, , .		4
38	High-performance template tracking. Journal of Visual Communication and Image Representation, 2012, 23, 271-286.	1.7	4
39	Special issue on real-time computer vision in smart cities. Journal of Real-Time Image Processing, 2015, 10, 723-724.	2.2	4
40	Abandoned Object Detection on Controlled Scenes Using Kinect. Lecture Notes in Computer Science, 2013, , 169-178.	1.0	4
41	A Variable Neighbourhood Search approach to the Cutwidth Minimization Problem. Electronic Notes in Discrete Mathematics, 2012, 39, 67-74.	0.4	3
42	Spieldose: An Interactive Genetic Software for Assisting to Music Composition Tasks. Lecture Notes in Computer Science, 2007, , 617-626.	1.0	3
43	Urban Traffic Surveillance in Smart Cities Using Radar Images. Lecture Notes in Computer Science, 2013, , 296-305.	1.0	3
44	Computer visionâ€based diameter maps to study fluoroscopic recordings of small intestinal motility from conscious experimental animals. Neurogastroenterology and Motility, 2017, 29, e13052.	1.6	2
45	Pedestrian detection with LeNet-like convolutional networks. Neural Computing and Applications, 2020, 32, 13175-13181.	3.2	2
46	On knowledge modelling of the Visual Tracking task. Expert Systems With Applications, 2008, 35, 69-81.	4.4	1
47	A Memory-Based Particle Filter for Visual Tracking through Occlusions. Lecture Notes in Computer Science, 2009, , 274-283.	1.0	1
48	Visual classification of dumpsters with capsule networks. Multimedia Tools and Applications, 2022, 81, 31129-31143.	2.6	1
49	Face tracking using skin detection and parallel kernel based methods. , 2009, , .		0
50	Human Activity Recognition with Capsule Networks. Lecture Notes in Computer Science, 2021, , 75-85.	1.0	0
51	High performance template tracking using fixed models. , 2008, , .		0
52	Comparing Feature Point Tracking with Dense Flow Tracking for Facial Expression Recognition. Lecture Notes in Computer Science, 2009, , 264-273.	1.0	0
53	Onboard Vision System for Bus Lane Monitoring. Lecture Notes in Computer Science, 2013, , 286-295.	1.0	0