

Rafael Muñoz-Salinas

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.

67

papers

2,365

citations

21

h-index

48

g-index

69

ext. papers

3,222

ext. citations

4.1

avg, IF

5.52

L-index

#	Paper	IF	Citations
67	Design, Detection, and Tracking of Customized Fiducial Markers. <i>IEEE Access</i> , 2021 , 9, 140066-140078	3.5	2
66	Tracking fiducial markers with discriminative correlation filters. <i>Image and Vision Computing</i> , 2021 , 107, 104094	3.7	1
65	RealHePoNet: a robust single-stage ConvNet for head pose estimation in the wild. <i>Neural Computing and Applications</i> , 2021 , 33, 7673-7689	4.8	4
64	Joint scene and object tracking for cost-Effective augmented reality guided patient positioning in radiation therapy. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 209, 106296	6.9	1
63	Detection of Binary Square Fiducial Markers Using an Event Camera. <i>IEEE Access</i> , 2021 , 9, 27813-27826	3.5	
62	UcoSLAM: Simultaneous localization and mapping by fusion of keypoints and squared planar markers. <i>Pattern Recognition</i> , 2020 , 101, 107193	7.7	30
61	Simultaneous Multi-View Camera Pose Estimation and Object Tracking With Squared Planar Markers. <i>IEEE Access</i> , 2019 , 7, 22927-22940	3.5	7
60	3D Reconstruction and alignment by consumer RGB-D sensors and fiducial planar markers for patient positioning in radiation therapy. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 180, 105004	6.9	7
59	. <i>IEEE Access</i> , 2019 , 7, 169908-169919	3.5	8
58	SPM-SLAM: Simultaneous localization and mapping with squared planar markers. <i>Pattern Recognition</i> , 2019 , 86, 156-171	7.7	38
57	Flexible body scanning without template models. <i>Signal Processing</i> , 2019 , 154, 350-362	4.4	6
56	Parallelization strategies for markerless human motion capture. <i>Journal of Real-Time Image Processing</i> , 2018 , 14, 453-467	1.9	4
55	Accurate automated assessment of gully cross-section geometry using the photogrammetric interface FreeXSapp. <i>Earth Surface Processes and Landforms</i> , 2018 , 43, 1726-1736	3.7	16
54	Robust identification of fiducial markers in challenging conditions. <i>Expert Systems With Applications</i> , 2018 , 93, 336-345	7.8	25
53	Mapping and localization from planar markers. <i>Pattern Recognition</i> , 2018 , 73, 158-171	7.7	55
52	3D human pose estimation from depth maps using a deep combination of poses. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 55, 627-639	2.7	20
51	Speeded up detection of squared fiducial markers. <i>Image and Vision Computing</i> , 2018 , 76, 38-47	3.7	220

50	Classification of Fiducial Markers in Challenging Conditions with SVM. <i>Lecture Notes in Computer Science</i> , 2017 , 344-352	0.9	1
49	Deep Mixture of Linear Inverse Regressions Applied to Head-Pose Estimation 2017 ,		21
48	Mixing body-parts model for 2D human pose estimation in stereo videos. <i>IET Computer Vision</i> , 2017 , 11, 426-433	1.4	4
47	Generation of fiducial marker dictionaries using Mixed Integer Linear Programming. <i>Pattern Recognition</i> , 2016 , 51, 481-491	7.7	201
46	Simultaneous reconstruction and calibration for multi-view structured light scanning. <i>Journal of Visual Communication and Image Representation</i> , 2016 , 39, 120-131	2.7	17
45	An efficient unsupervised method for obtaining polygonal approximations of closed digital planar curves. <i>Journal of Visual Communication and Image Representation</i> , 2016 , 39, 152-163	2.7	9
44	Viewpoint-independent gait recognition through morphological descriptions of 3D human reconstructions. <i>Image and Vision Computing</i> , 2016 , 48-49, 1-13	3.7	10
43	A new approach for multi-view gait recognition on unconstrained paths. <i>Journal of Visual Communication and Image Representation</i> , 2016 , 38, 396-406	2.7	24
42	Stereo Pictorial Structure for 2D articulated human pose estimation. <i>Machine Vision and Applications</i> , 2016 , 27, 157-174	2.8	7
41	Novel method to obtain the optimal polygonal approximation of digital planar curves based on Mixed Integer Programming. <i>Journal of Visual Communication and Image Representation</i> , 2015 , 30, 106-116	2.7	9
40	Keypoint descriptor fusion with Dempster-Shafer theory. <i>International Journal of Approximate Reasoning</i> , 2015 , 60, 57-70	3.6	7
39	Entropy volumes for viewpoint-independent gait recognition. <i>Machine Vision and Applications</i> , 2015 , 26, 1079-1094	2.8	9
38	Automatic generation and detection of highly reliable fiducial markers under occlusion. <i>Pattern Recognition</i> , 2014 , 47, 2280-2292	7.7	888
37	Comparing evolutionary algorithms and particle filters for Markerless Human Motion Capture. <i>Applied Soft Computing Journal</i> , 2014 , 17, 153-166	7.5	16
36	Conflict-based pruning of a solution space within a constructive geometric constraint solver. <i>Applied Intelligence</i> , 2014 , 41, 897-922	4.9	0
35	Human interaction categorization by using audio-visual cues. <i>Machine Vision and Applications</i> , 2014 , 25, 71-84	2.8	14
34	The AVA Multi-View Dataset for Gait Recognition. <i>Lecture Notes in Computer Science</i> , 2014 , 26-39	0.9	15
33	Shape from pairwise silhouettes for plan-view map generation. <i>Image and Vision Computing</i> , 2012 , 30, 122-133	3.7	1

32	An octree-based method for shape from inconsistent silhouettes. <i>Pattern Recognition</i> , 2012 , 45, 3245-3255	7.7	5
31	On stop conditions about methods to obtain polygonal approximations relied on break point suppression. <i>Image and Vision Computing</i> , 2012 , 30, 513-523	3.7	5
30	Example-based procedural modelling by geometric constraint solving. <i>Multimedia Tools and Applications</i> , 2012 , 60, 1-30	2.5	2
29	Multi-camera head pose estimation. <i>Machine Vision and Applications</i> , 2012 , 23, 479-490	2.8	18
28	Three-dimensional action recognition using volume integrals. <i>Pattern Analysis and Applications</i> , 2012 , 15, 289-298	2.3	3
27	A new fuzzy based algorithm for solving stereo vagueness in detecting and tracking people. <i>International Journal of Approximate Reasoning</i> , 2012 , 53, 693-708	3.6	15
26	A novel method to look for the hysteresis thresholds for the Canny edge detector. <i>Pattern Recognition</i> , 2011 , 44, 1201-1211	7.7	66
25	A new measurement for assessing polygonal approximation of curves. <i>Pattern Recognition</i> , 2011 , 44, 45-54	7.7	16
24	A novel histogram transformation to improve the performance of thresholding methods in edge detection. <i>Pattern Recognition Letters</i> , 2011 , 32, 676-693	4.7	10
23	Using Stereo Vision and Fuzzy Systems for Detecting and Tracking People. <i>Communications in Computer and Information Science</i> , 2010 , 582-591	0.3	
22	Determining hysteresis thresholds for edge detection by combining the advantages and disadvantages of thresholding methods. <i>IEEE Transactions on Image Processing</i> , 2010 , 19, 165-73	8.7	30
21	Polygonal approximation of digital planar curves through break point suppression. <i>Pattern Recognition</i> , 2010 , 43, 14-25	7.7	61
20	Shape from silhouette using Dempster-Shafer theory. <i>Pattern Recognition</i> , 2010 , 43, 2119-2131	7.7	25
19	Solving the process of hysteresis without determining the optimal thresholds. <i>Pattern Recognition</i> , 2010 , 43, 1224-1232	7.7	16
18	Particle filtering with multiple and heterogeneous cameras. <i>Pattern Recognition</i> , 2010 , 43, 2390-2405	7.7	5
17	Method for Polygonal Approximation through Dominant Points Deletion. <i>Lecture Notes in Computer Science</i> , 2010 , 350-358	0.9	1
16	Multi-agent system for people detection and tracking using stereo vision in mobile robots. <i>Robotica</i> , 2009 , 27, 715	2.1	5
15	On candidates selection for hysteresis thresholds in edge detection. <i>Pattern Recognition</i> , 2009 , 42, 1284-1296	7.7	45

14	Multi-camera people tracking using evidential filters. <i>International Journal of Approximate Reasoning</i> , 2009 , 50, 732-749	3.6	28
13	People detection and tracking with multiple stereo cameras using particle filters. <i>Journal of Visual Communication and Image Representation</i> , 2009 , 20, 339-350	2.7	16
12	Automatic Tuning of a Fuzzy Visual System Using Evolutionary Algorithms: Single-Objective Versus Multiobjective Approaches. <i>IEEE Transactions on Fuzzy Systems</i> , 2008 , 16, 485-501	8.3	24
11	Adaptive multi-modal stereo people tracking without background modelling. <i>Journal of Visual Communication and Image Representation</i> , 2008 , 19, 75-91	2.7	22
10	Contour simplification using a multi-scale local phase analysis. <i>Image and Vision Computing</i> , 2008 , 26, 1499-1506	3.7	2
9	A multiple object tracking approach that combines colour and depth information using a confidence measure. <i>Pattern Recognition Letters</i> , 2008 , 29, 1504-1514	4.7	18
8	A Bayesian plan-view map based approach for multiple-person detection and tracking. <i>Pattern Recognition</i> , 2008 , 41, 3665-3676	7.7	29
7	Depth silhouettes for gesture recognition. <i>Pattern Recognition Letters</i> , 2008 , 29, 319-329	4.7	57
6	People detection and tracking using stereo vision and color. <i>Image and Vision Computing</i> , 2007 , 25, 995-1007	10.7	104
5	Continuous Stereo Gesture Recognition with Multi-layered Silhouette Templates and Support Vector Machines 2007 , 789-799		
4	A New Person Tracking Method for Human-Robot Interaction Intended for Mobile Devices 2007 , 747-757		1
3	Detection of doors using a genetic visual fuzzy system for mobile robots. <i>Autonomous Robots</i> , 2006 , 21, 123-141	3	22
2	A multi-agent system architecture for mobile robot navigation based on fuzzy and visual behaviour. <i>Robotica</i> , 2005 , 23, 689-699	2.1	12
1	People Detection and Tracking Through Stereo Vision for Human-Robot Interaction. <i>Lecture Notes in Computer Science</i> , 2005 , 337-346	0.9	5