Juan Carlos San Miguel

List of Publications by Year
in descending order

		933410	888047
44 papers	546 citations	10 h-index	17 g-index
44 all docs	44 docs citations	44 times ranked	485 citing authors

#	Article	IF	Citations
1	Online clustering-based multi-camera vehicle tracking in scenarios with overlapping FOVs. Multimedia Tools and Applications, 2022, 81, 7063-7083.	3.9	5
2	Deep Anomaly Generation: An Image Translation Approach of Synthesizing Abnormal Banded Chromosome Images. IEEE Access, 2022, 10, 59090-59098.	4.2	4
3	Hierarchical Improvement of Foreground Segmentation Masks in Background Subtraction. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1645-1658.	8.3	14
4	Coarse-to-Fine Adaptive People Detection for Video Sequences by Maximizing Mutual Information â€. Sensors, 2019, 19, 4.	3.8	8
5	On guiding video object segmentation. , 2019, , .		0
6	Enhancing Multi-Camera People Detection by Online Automatic Parametrization Using Detection Transfer and Self-Correlation Maximization â€. Sensors, 2018, 18, 4385.	3.8	2
7	Abandoned Object Detection in Video-Surveillance: Survey and Comparison. Sensors, 2018, 18, 4290.	3.8	30
8	Multi-Tracker Partition Fusion. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1527-1539.	8.3	17
9	Energy Consumption Models for Smart Camera Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 2661-2674.	8.3	19
10	Stand-alone quality estimation of background subtraction algorithms. Computer Vision and Image Understanding, 2017, 162, 87-102.	4.7	4
11	Networked Computer Vision: The Importance of a Holistic Simulator. Computer, 2017, 50, 35-43.	1.1	4
12	Object-size invariant anomaly detection in video-surveillance. , 2017, , .		6
13	Adaptive people detection based on cross-correlation maximization. , 2017, , .		1
14	Rejection based multipath reconstruction for background estimation in SBMnet 2016 dataset. , 2016, , .		2
15	Rejection based multipath reconstruction for background estimation in video sequences with stationary objects. Computer Vision and Image Understanding, 2016, 147, 23-37.	4.7	23
16	Covarianceâ€based online validation of video tracking. Electronics Letters, 2015, 51, 226-228.	1.0	2
17	Contextâ€aware partâ€based people detection for video monitoring. Electronics Letters, 2015, 51, 1865-1867.	1.0	4
18	Cost-Aware Coalitions for Collaborative Tracking in Resource-Constrained Camera Networks. IEEE Sensors Journal, 2015, 15, 2657-2668.	4.7	15

#	ARTICLE	IF	CITATIONS
19	Long-Term Stationary Object Detection Based on Spatio-Temporal Change Detection. IEEE Signal Processing Letters, 2015, 22, 2368-2372.	3.6	9
20	Temporal validation of Particle Filters for video tracking. Computer Vision and Image Understanding, 2015, 131, 42-55.	4.7	2
21	Multi-feature stationary foreground detection for crowded video-surveillance. , 2014, , .		7
22	The costs of fusion in smart camera networks. , 2014, , .		5
23	Self-Reconfigurable Smart Camera Networks. Computer, 2014, 47, 67-73.	1.1	51
24	A semantic-guided and self-configurable framework for video analysis. Machine Vision and Applications, 2013, 24, 493-512.	2.7	5
25	Skin detection by dual maximization of detectors agreement for video monitoring. Pattern Recognition Letters, 2013, 34, 2102-2109.	4.2	27
26	Stationary foreground detection for video-surveillance based on foreground and motion history images. , 2013, , .		4
27	Performance Evaluation in Video-Surveillance Systems: The EventVideo Project Evaluation Protocols. , 2013, , 171-192.		1
28	Standalone evaluation of deterministic video tracking. , 2012, , .		4
29	Pixel-based colour contrast for abandoned and stolen object discrimination in video surveillance. Electronics Letters, 2012, 48, 86.	1.0	8
30	A semantic-based probabilistic approach for real-time video event recognition. Computer Vision and Image Understanding, 2012, 116, 937-952.	4.7	22
31	Adaptive Online Performance Evaluation of Video Trackers. IEEE Transactions on Image Processing, 2012, 21, 2812-2823.	9.8	32
32	Real-time single-view video event recognition in controlled environments. , 2011, , .		1
33	Use of feedback strategies in the detection of events for video surveillance. IET Computer Vision, 2011, 5, 309.	2.0	4
34	Discrimination of abandoned and stolen object based on active contours. , 2011, , .		10
35	Evaluation of on-line quality estimators for object tracking. , 2010, , .		9
36	Stationary foreground detection using background subtraction and temporal difference in video surveillance. , 2010, , .		32

#	Article	IF	Citations
37	On the Evaluation of Background Subtraction Algorithms without Ground-Truth. , 2010, , .		7
38	Shadow detection in video surveillance by maximizing agreement between independent detectors. , 2009, , .		7
39	Comparative Evaluation of Stationary Foreground Object Detection Algorithms Based on Background Subtraction Techniques. , 2009, , .		46
40	Dynamic video surveillance systems guided by domain ontologies. , 2009, , .		1
41	An Ontology for Event Detection and its Application in Surveillance Video. , 2009, , .		49
42	DiVA: A Distributed Video Analysis Framework Applied to Video-Surveillance Systems. , 2008, , .		11
43	Robust Unattended and Stolen Object Detection by Fusing Simple Algorithms. , 2008, , .		32
44	On the effect of motion segmentation techniques in description based adaptive video transmission. , 2007, , .		0