Montse Pardà s

List of Publications by Year
in descending order

51 papers	**961** citations	623734 **14** h-index	552781 **26** g-index
51 all docs	**51** docs citations	**51** times ranked	**561** citing authors

#	Article	IF	Citations
1	Hierarchical morphological segmentation for image sequence coding. IEEE Transactions on Image Processing, 1994, 3, 639-651.	9.8	180
2	Morphological operators for image and video compression. IEEE Transactions on Image Processing, 1996, 5, 881-898.	9.8	96
3	Facial animation parameters extraction and expression recognition using Hidden Markov Models. Signal Processing: Image Communication, 2002, 17, 675-688.	3.2	70
4	Segmentation-based video coding system allowing the manipulation of objects. IEEE Transactions on Circuits and Systems for Video Technology, 1997, 7, 60-74.	8.3	68
5	Motion estimation based tracking of active contours. Pattern Recognition Letters, 2001, 22, 1447-1456.	4.2	42
6	Real-time user independent hand gesture recognition from time-of-flight camera video using static and dynamic models. Machine Vision and Applications, 2013, 24, 187-204.	2.7	40
7	3D morphological segmentation and motion estimation for image sequences. Signal Processing, 1994, 38, 31-43.	3.7	39
8	Shape from inconsistent silhouette. Computer Vision and Image Understanding, 2008, 112, 210-224.	4.7	31
9	TOF imaging in Smart room environments towards improved people tracking. , 2008, , .		28
10	Audiovisual Head Orientation Estimation with Particle Filtering in Multisensor Scenarios. Eurasip Journal on Advances in Signal Processing, 2007, 2008, .	1.7	26
11	Depth Estimation and Semantic Segmentation from a Single RGB Image Using a Hybrid Convolutional Neural Network. Sensors, 2019, 19, 1795.	3.8	23
12	Coding-Oriented Segmentation of Video sequences. , 1996, , 79-123.		21
13	Improved 3D reconstruction in smart-room environments using ToF imaging. Computer Vision and Image Understanding, 2010, 114, 1376-1384.	4.7	20
14	Bayesian foreground segmentation and tracking using pixel-wise background model and region based foreground model. , 2009, , .		18
15	Foreground Regions Extraction and Characterization Towards Real-Time Object Tracking. Lecture Notes in Computer Science, 2006, , 241-249.	1.3	17
16	Segmentation and tracking of static and moving objects in video surveillance scenarios. , 2008, , .		16
17	Shape from incomplete silhouettes based on the reprojection error. Image and Vision Computing, 2010, 28, 1354-1368.	4.5	16
18	Enhanced foreground segmentation and tracking combining Bayesian background, shadow and foreground modeling. Pattern Recognition Letters, 2012, 33, 1558-1568.	4.2	15

#	Article	IF	Citations
19	Towards a Bayesian Approach to Robust Finding Correspondences in Multiple View Geometry Environments. Lecture Notes in Computer Science, 2005, , 281-289.	1.3	14
20	Marker-Based Human Motion Capture in Multiview Sequences. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	12
21	Region based foreground segmentation combining color and depth sensors via logarithmic opinion pool decision. Journal of Visual Communication and Image Representation, 2014, 25, 184-194.	2.8	12
22	<title>Video sequence segmentation based on rate-distortion theory</title>. , 1996, , .		11
23	Joint multi-view foreground segmentation and 3D reconstruction with tolerance loop. , 2011, , .		11
24	Human motion capture using scalable body models. Computer Vision and Image Understanding, 2011, 115, 1363-1374.	4.7	11
25	Robust Tracking and Object Classification Towards Automated Video Surveillance. Lecture Notes in Computer Science, 2004, , 463-470.	1.3	10
26	Edge projections for eye localization. Optical Engineering, 2008, 47, 047007.	1.0	10
27	<title>Connectivity filters for image sequences</title>. , 1992, 1769, 318.		9
28	Real-time upper body tracking with online initialization using a range sensor. , 2011, , .		9
29	Trajectory Tree as an Object-Oriented Hierarchical Representation for Video. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 547-560.	8.3	8
30	Enhanced Bayesian foreground segmentation using Brightness and Color Distortion region-based model for shadow removal. , 2010, , .		8
31	UPC Audio, Video and Multimodal Person Tracking Systems in the Clear Evaluation Campaign. , 2006, , 93-104.		8
32	Head Pose Detection Based on Fusion of Multiple Viewpoint Information. , 2006, , 305-310.		7
33	Reconstruction of 3D Shapes Considering Inconsistent 2D Silhouettes. , 2006, , .		6
34	A Unified Framework for Consistent 2-D/3-D Foreground Object Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 1040-1051.	8.3	6
35	Particle filtering and sparse sampling for multi-person 3D tracking. , 2008, , .		6
36	Very low bit rate video coding using morphological segmentation and contour/texture motion compensation. , 0, , .		5

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37	Skeleton and Shape Adjustment and Tracking in Multicamera Environments. Lecture Notes in Computer Science, 2010, , 88-97.	1.3	5
38	Generation of Long-Term Color and Motion Coherent Partitions. , 2006, , .		4
39	3D point cloud segmentation oriented to the analysis of interactions. , 2016, , .		4
40	3D point cloud segmentation using a fully connected conditional random field. , 2017, , .		4
41	Model-Based Hand Gesture Tracking in ToF Image Sequences. Lecture Notes in Computer Science, 2010, , 118-127.	1.3	4
42	General requirements for coding oriented segmentation of video-sequences. Annales Des Telecommunications/Annals of Telecommunications, 1997, 52, 359-366.	2.5	3
43	Foreground Objects Segmentation for Moving Camera Scenarios Based on SCGMM. Lecture Notes in Computer Science, 2012, , 195-206.	1.3	3
44	Context-Unsupervised Adversarial Network for Video Sensors. Sensors, 2022, 22, 3171.	3.8	2
45	Hierarchical Partition-Based Representations for Image Sequences using Trajectory Merging Criteria. , 2007, , .		1
46	Shape from inconsistent silhouette for free viewpoint video. , 2008, , .		1
47	3D shape from multi-camera views by error projection minimization. , 2009, , .		1
48	Segmentation of video sequences for partition tree generation. Annales Des Telecommunications/Annals of Telecommunications, 1997, 52, 388-396.	2.5	0
49	A Hierarchical Trajectory-Based Representation for Video. , 2007, , .		0
50	Image and Video Processing Tools for HCI. , 2010, , 93-118.		0
51	One Shot Learning for Generic Instance Segmentation in RGBD Videos. , 2019, , .		0