

Jordi González

List of Publications by Year in descending order

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129
papers

2,783
citations

304368

22
h-index

276539

41
g-index

142
all docs

142
docs citations

142
times ranked

2603
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond one-hot encoding: Lower dimensional target embedding. Image and Vision Computing, 2018, 75, 21-31.	2.7	219
2	Deep Pain: Exploiting Long Short-Term Memory Networks for Facial Expression Classification. IEEE Transactions on Cybernetics, 2022, 52, 3314-3324.	6.2	164
3	Harmony Potentials. International Journal of Computer Vision, 2012, 96, 83-102.	10.9	139
4	Multi-modal gesture recognition challenge 2013. , 2013, , .		125
5	Selective spatio-temporal interest points. Computer Vision and Image Understanding, 2012, 116, 396-410.	3.0	111
6	Harmony potentials for joint classification and segmentation. , 2010, , .		107
7	ChaLearn Looking at People 2015: Apparent Age and Cultural Event Recognition Datasets and Results. , 2015, , .		99
8	Human Pose Estimation from Monocular Images: A Comprehensive Survey. Sensors, 2016, 16, 1966.	2.1	97
9	A coarse-to-fine approach for fast deformable object detection. , 2011, , .		96
10	Age and gender recognition in the wild with deep attention. Pattern Recognition, 2017, 72, 563-571.	5.1	70
11	ChaLearn Looking at People Challenge 2014: Dataset and Results. Lecture Notes in Computer Science, 2015, , 459-473.	1.0	70
12	Spherical Blurred Shape Model for 3-D Object and Pose Recognition: Quantitative Analysis and HCI Applications in Smart Environments. IEEE Transactions on Cybernetics, 2014, 44, 2379-2390.	6.2	66
13	On partial least squares in head pose estimation: How to simultaneously deal with misalignment. , 2012, , .		65
14	Pay Attention to the Activations: A Modular Attention Mechanism for Fine-Grained Image Recognition. IEEE Transactions on Multimedia, 2020, 22, 502-514.	5.2	58
15	A Local 3-D Motion Descriptor for Multi-View Human Action Recognition from 4-D Spatio-Temporal Interest Points. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 553-565.	7.3	55
16	Accurate Moving Cast Shadow Suppression Based on Local Color Constancy Detection. IEEE Transactions on Image Processing, 2011, 20, 2954-2966.	6.0	52
17	A Survey on Model Based Approaches for 2D and 3D Visual Human Pose Recovery. Sensors, 2014, 14, 4189-4210.	2.1	48
18	Discriminative compact pyramids for object and scene recognition. Pattern Recognition, 2012, 45, 1627-1636.	5.1	46

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19	Toward Real-Time Pedestrian Detection Based on a Deformable Template Model. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 355-364.	4.7	42
20	Detection of Suicidal Ideation on Social Media: Multimodal, Relational, and Behavioral Analysis. Journal of Medical Internet Research, 2020, 22, e17758.	2.1	42
21	A coarse-to-fine approach for fast deformable object detection. Pattern Recognition, 2015, 48, 1844-1853.	5.1	41
22	Detection and removal of chromatic moving shadows in surveillance scenarios. , 2009, , .		40
23	ChaLearn multi-modal gesture recognition 2013. , 2013, , .		38
24	Hierarchical On-line Appearance-Based Tracking for 3D head pose, eyebrows, lips, eyelids and irises. Image and Vision Computing, 2013, 31, 322-340.	2.7	37
25	A selective spatio-temporal interest point detector for human action recognition in complex scenes. , 2011, , .		32
26	PRAXIS: Towards automatic cognitive assessment using gesture recognition. Expert Systems With Applications, 2018, 106, 21-35.	4.4	32
27	Attend and Rectify: A Gated Attention Mechanism for Fine-Grained Recovery. Lecture Notes in Computer Science, 2018, , 357-372.	1.0	30
28	Toward natural interaction through visual recognition of body gestures in real-time. Interacting With Computers, 2009, 21, 3-10.	1.0	28
29	Understanding dynamic scenes based on human sequence evaluation. Image and Vision Computing, 2009, 27, 1433-1444.	2.7	28
30	A distributed camera system for multi-resolution surveillance. , 2009, , .		27
31	ChaLearn Looking at People 2015 challenges: Action spotting and cultural event recognition. , 2015, , .		24
32	Chromatic shadow detection and tracking for moving foreground segmentation. Image and Vision Computing, 2015, 41, 42-53.	2.7	23
33	Recursive Coarse-to-Fine Localization for Fast Object Detection. Lecture Notes in Computer Science, 2010, , 280-293.	1.0	22
34	Real-time gaze tracking with appearance-based models. Machine Vision and Applications, 2009, 20, 353-364.	1.7	20
35	Action-specific motion prior for efficient Bayesian 3D human body tracking. Pattern Recognition, 2009, 42, 2907-2921.	5.1	20
36	Exploiting multiple cues in motion segmentation based on background subtraction. Neurocomputing, 2013, 100, 183-196.	3.5	20

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37	Spatio-temporal Pain Recognition in CNN-Based Super-Resolved Facial Images. Lecture Notes in Computer Science, 2017, , 151-162.	1.0	20
38	Determining the best suited semantic events for cognitive surveillance. Expert Systems With Applications, 2011, 38, 4068-4079.	4.4	19
39	OverNet: Lightweight Multi-Scale Super-Resolution with Overscaling Network. , 2021, , .		19
40	Combining where and what in change detection for unsupervised foreground learning in surveillance. Pattern Recognition, 2015, 48, 709-719.	5.1	16
41	Augmenting video surveillance footage with virtual agents for incremental event evaluation. Pattern Recognition Letters, 2011, 32, 878-889.	2.6	15
42	Special issue on background modeling for foreground detection in real-world dynamic scenes. Machine Vision and Applications, 2014, 25, 1101-1103.	1.7	14
43	Occlusion Aware Hand Pose Recovery from Sequences of Depth Images. , 2017, , .		14
44	Unconstrained Multiple-People Tracking. Lecture Notes in Computer Science, 2006, , 505-514.	1.0	14
45	aSpaces: Action Spaces for Recognition and Synthesis of Human Actions. Lecture Notes in Computer Science, 2002, , 189-200.	1.0	14
46	Trinocular stereo matching with composite disparity space image. , 2009, , .		13
47	Color Constancy Using 3D Scene Geometry Derived From a Single Image. IEEE Transactions on Image Processing, 2014, 23, 3855-3868.	6.0	13
48	View-invariant human-body detection with extension to human action recognition using component-wise HMM of body parts. , 2008, , .		12
49	Compact and adaptive spatial pyramids for scene recognition. Image and Vision Computing, 2012, 30, 492-500.	2.7	12
50	ChaLearn looking at people 2015 new competitions: Age estimation and cultural event recognition. , 2015, , .		12
51	Interpretation of complex situations in a semantic-based surveillance framework. Signal Processing: Image Communication, 2008, 23, 554-569.	1.8	11
52	Importance of detection for video surveillance applications. Optical Engineering, 2008, 47, 087201.	0.5	11
53	Reactive Object Tracking with a Single PTZ Camera. , 2010, , .		11
54	Guest Editorsâ€™ Introduction to the Special Issue on Multimodal Human Pose Recovery and Behavior Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1489-1491.	9.7	11

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55	Background subtraction technique based on chromaticity and intensity patterns. , 2008, , .		10
56	Segmentation of RGB-D indoor scenes by stacking random forests and conditional random fields. Pattern Recognition Letters, 2016, 80, 208-215.	2.6	10
57	Solving the multi object occlusion problem in a multiple camera tracking system. Pattern Recognition and Image Analysis, 2009, 19, 165-171.	0.6	9
58	Robust Real-Time Background Subtraction Based on Local Neighborhood Patterns. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	9
59	Human action recognition using an ensemble of bodyâ€part detectors. Expert Systems, 2013, 30, 101-114.	2.9	9
60	Moving Cast Shadows Detection Methods for Video Surveillance Applications. Augmented Vision and Reality, 2014, , 23-47.	0.2	9
61	Top-down model fitting for hand pose recovery in sequences of depth images. Image and Vision Computing, 2018, 79, 63-75.	2.7	8
62	Automatic Key Pose Selection for 3D Human Action Recognition. Lecture Notes in Computer Science, 2010, , 290-299.	1.0	8
63	Robust and Efficient Multipose Face Detection Using Skin Color Segmentation. Lecture Notes in Computer Science, 2009, , 152-159.	1.0	7
64	Human action recognition based on estimated weak poses. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	7
65	Multi-part body segmentation based on depth maps for soft biometry analysis. Pattern Recognition Letters, 2015, 56, 14-21.	2.6	7
66	Characterization of Anorexia Nervosa on Social Media: Textual, Visual, Relational, Behavioral, and Demographical Analysis. Journal of Medical Internet Research, 2021, 23, e25925.	2.1	7
67	Natural Language Descriptions of Human Behavior from Video Sequences. Lecture Notes in Computer Science, 2007, , 279-292.	1.0	7
68	Trajectory occlusion handling with multiple-view distance-minimization clustering. Optical Engineering, 2008, 47, 047202.	0.5	6
69	Confidence assessment on eyelid and eyebrow expression recognition. , 2008, , .		6
70	Efficient discriminative multiresolution cascade for real-time human detection applications. Pattern Recognition Letters, 2011, 32, 1581-1587.	2.6	6
71	Large scale continuous visual event recognition using max-margin Hough transformation framework. Computer Vision and Image Understanding, 2013, 117, 1356-1368.	3.0	6
72	Enhancing Real-Time Human Detection Based on Histograms of Oriented Gradients. Advances in Intelligent and Soft Computing, 2007, , 739-746.	0.2	6

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73	High-Speed Human Detection Using a Multiresolution Cascade of Histograms of Oriented Gradients. Lecture Notes in Computer Science, 2009, , 48-55.	1.0	6
74	Automatic face and facial features initialization for robust and accurate tracking. , 2008, , .		5
75	Logo Detection With No Priors. IEEE Access, 2021, 9, 106998-107011.	2.6	5
76	Ontology for Semantic Integration in a Cognitive Surveillance System. Lecture Notes in Computer Science, 2007, , 260-263.	1.0	5
77	Towards Real-Time Human Action Recognition. Lecture Notes in Computer Science, 2009, , 425-432.	1.0	5
78	Frequency-Based Enhancement Network for Efficient Super-Resolution. IEEE Access, 2022, 10, 57383-57397.	2.6	5
79	View-Invariant Human Action Detection Using Component-Wise HMM of Body Parts. Lecture Notes in Computer Science, 2008, , 208-217.	1.0	4
80	Combined Head, Lips, Eyebrows, and Eyelids Tracking Using Adaptive Appearance Models. Lecture Notes in Computer Science, 2006, , 110-119.	1.0	4
81	Efficient Incorporation of Motionless Foreground Objects for Adaptive Background Segmentation. Lecture Notes in Computer Science, 2006, , 424-433.	1.0	4
82	Autonomous Virtual Agents for Performance Evaluation of Tracking Algorithms. Lecture Notes in Computer Science, 2008, , 299-308.	1.0	4
83	Robust Multiple-People Tracking Using Colour-Based Particle Filters. Lecture Notes in Computer Science, 2007, , 113-120.	1.0	4
84	Semantic Annotation of Complex Human Scenes for Multimedia Surveillance. Lecture Notes in Computer Science, 2007, , 698-709.	1.0	4
85	Face Detection in Color Images Using Primitive Shape Features. Advances in Intelligent and Soft Computing, 2007, , 179-186.	0.2	4
86	Integrating Vision and Language in Social Networks for Identifying Visual Patterns of Personality Traits. International Journal of Social Science and Humanity, 0, , 6-12.	1.0	4
87	A 3D Dynamic Model of Human Actions for Probabilistic Image Tracking. Lecture Notes in Computer Science, 2005, , 529-536.	1.0	3
88	Action Spaces for Efficient Bayesian Tracking of Human Motion. , 2006, , .		3
89	Generation of augmented video sequences combining behavioral animation and multi-object tracking. Computer Animation and Virtual Worlds, 2009, 20, 473-489.	0.7	3
90	Nonlinear Synchronization for Automatic Learning of 3D Pose Variability in Human Motion Sequences. Eurasip Journal on Advances in Signal Processing, 2009, 2010, .	1.0	3

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91	On tracking inside groups. Machine Vision and Applications, 2010, 21, 113-127.	1.7	3
92	Modeling vs. learning approaches for monocular 3D human pose estimation. , 2011, , .		3
93	Looking at People Special Issue. International Journal of Computer Vision, 2018, 126, 141-143.	10.9	3
94	Posture Constraints for Bayesian Human Motion Tracking. Lecture Notes in Computer Science, 2006, , 414-423.	1.0	3
95	Background Updating with the Use of Intrinsic Curves. Lecture Notes in Computer Science, 2006, , 731-742.	1.0	3
96	Semantics of Human Behavior in Image Sequences. , 2011, , 151-182.		3
97	Fusing Edge Cues to Handle Colour Problems in Image Segmentation. Lecture Notes in Computer Science, 2008, , 279-288.	1.0	3
98	Automatic Learning of Conceptual Knowledge in Image Sequences for Human Behavior Interpretation. Lecture Notes in Computer Science, 2007, , 507-514.	1.0	3
99	Robust Particle Filtering for Object Tracking. Lecture Notes in Computer Science, 2005, , 1158-1165.	1.0	3
100	A Simple Method of Multiple Camera Calibration for the Joint Top View Projection. Advances in Intelligent and Soft Computing, 2007, , 164-170.	0.2	3
101	Meta-MMFNet: Meta-learning-based Multi-model Fusion Network for Micro-expression Recognition. ACM Transactions on Multimedia Computing, Communications and Applications, 2024, 20, 1-20.	3.0	3
102	Multi-modal descriptors for multi-class hand pose recognition in human computer interaction systems. , 2013, , .		2
103	Active Player Detection in Handball Videos Using Optical Flow and STIPs Based Measures. , 2019, , .		2
104	Personality Trait Analysis in Social Networks Based on Weakly Supervised Learning of Shared Images. Applied Sciences (Switzerland), 2020, 10, 8170.	1.3	2
105	End-to-end global to local convolutional neural network learning for hand pose recovery in depth data. IET Computer Vision, 2022, 16, 50-66.	1.3	2
106	Trajectory Fusion for Multiple Camera Tracking. Advances in Intelligent and Soft Computing, 2007, , 19-26.	0.2	2
107	Automatic Learning of Background Semantics in Generic Surveilled Scenes. Lecture Notes in Computer Science, 2010, , 678-692.	1.0	2
108	On the effect of temporal information on monocular 3d human pose estimation. , 2011, , .		1

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109	Beyond the Static Camera: Issues and Trends in Active Vision. , 2011, , 11-30.		1
110	Factorized appearances for object detection. Computer Vision and Image Understanding, 2015, 138, 92-101.	3.0	1
111	From 2D to 3D geodesic-based garment matching. Multimedia Tools and Applications, 2019, 78, 25829-25853.	2.6	1
112	On Reasoning over Tracking Events. Lecture Notes in Computer Science, 2007, , 502-511.	1.0	1
113	A Comparison Framework for Walking Performances using aSpaces. Electronic Letters on Computer Vision and Image Analysis, 2005, 5, 105.	0.5	1
114	Probabilistic Image-Based Tracking: Improving Particle Filtering. Lecture Notes in Computer Science, 2005, , 85-92.	1.0	1
115	3D Action Modeling and Reconstruction for 2D Human Body Tracking. Lecture Notes in Computer Science, 2005, , 146-154.	1.0	1
116	Trajectory-Based Abnormality Categorization for Learning Route Patterns in Surveillance. Studies in Computational Intelligence, 2012, , 87-95.	0.7	1
117	Research Steps Towards Human Sequence Evaluation. , 2009, , 105-115.		1
118	First ACM international workshop on analysis and retrieval of tracked events and motion in imagery streams (ARTEMI 2010). , 2010, , .		0
119	Towards Ontological Cognitive System. Lecture Notes in Computational Vision and Biomechanics, 2013, , 87-99.	0.5	0
120	Robustness of Input Features from Noisy Silhouettes in Human Pose Estimation. , 2014, , .		0
121	Guest Editorial: Analysis and Retrieval of Events/Actions and Workflows in Video Streams. Multimedia Tools and Applications, 2016, 75, 14985-14990.	2.6	0
122	Appearance Tracking for Video Surveillance. Lecture Notes in Computer Science, 2003, , 1041-1048.	1.0	0
123	3D Human Motion Sequences Synchronization Using Dense Matching Algorithm. Lecture Notes in Computer Science, 2006, , 485-494.	1.0	0
124	Computationally Efficient Graph Matching via Energy Vector Extraction. Advances in Pattern Recognition, 2007, , 47-53.	0.8	0
125	Exploiting Natural Language Generation in Scene Interpretation. , 2010, , 71-93.		0
126	Exploiting Multimodal Interaction Techniques for Video-Surveillance. Intelligent Systems Reference Library, 2013, , 135-151.	1.0	0

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127	Enhanced Asymmetric Bilinear Model for Face Recognition. International Journal of Distributed Sensor Networks, 2015, 11, 218514.	1.3	0
128	Implementing the Complete Chain to Distribute Interactive Multi-stream Multi-view Real-Time Life Video Content. Communications in Computer and Information Science, 2016, , 17-25.	0.4	0
129	Care respite: taking care of the caregivers. International Journal of Integrated Care, 2016, 16, 132.	0.1	0