

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	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
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	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
4	Frequency-Based Enhancement Network for Efficient Super-Resolution. IEEE Access, 2022, 10, 57383-57397.	2.6	5
5	OverNet: Lightweight Multi-Scale Super-Resolution with Overscaling Network. , 2021, , .		19
6	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
7	Logo Detection With No Priors. IEEE Access, 2021, 9, 106998-107011.	2.6	5
8	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
9	Personality Trait Analysis in Social Networks Based on Weakly Supervised Learning of Shared Images. Applied Sciences (Switzerland), 2020, 10, 8170.	1.3	2
10	Detection of Suicidal Ideation on Social Media: Multimodal, Relational, and Behavioral Analysis. Journal of Medical Internet Research, 2020, 22, e17758.	2.1	42
11	From 2D to 3D geodesic-based garment matching. Multimedia Tools and Applications, 2019, 78, 25829-25853.	2.6	1
12	Active Player Detection in Handball Videos Using Optical Flow and STIPs Based Measures. , 2019, , .		2
13	PRAXIS: Towards automatic cognitive assessment using gesture recognition. Expert Systems With Applications, 2018, 106, 21-35.	4.4	32
14	Looking at People Special Issue. International Journal of Computer Vision, 2018, 126, 141-143.	10.9	3
15	Top-down model fitting for hand pose recovery in sequences of depth images. Image and Vision Computing, 2018, 79, 63-75.	2.7	8
16	Beyond one-hot encoding: Lower dimensional target embedding. Image and Vision Computing, 2018, 75, 21-31.	2.7	219
17	Attend and Rectify: A Gated Attention Mechanism for Fine-Grained Recovery. Lecture Notes in Computer Science, 2018, , 357-372.	1.0	30
18	Age and gender recognition in the wild with deep attention. Pattern Recognition, 2017, 72, 563-571.	5.1	70

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19	Occlusion Aware Hand Pose Recovery from Sequences of Depth Images. , 2017, , .		14
20	Spatio-temporal Pain Recognition in CNN-Based Super-Resolved Facial Images. Lecture Notes in Computer Science, 2017, , 151-162.	1.0	20
21	Human Pose Estimation from Monocular Images: A Comprehensive Survey. Sensors, 2016, 16, 1966.	2.1	97
22	Guest Editorial: Analysis and Retrieval of Events/Actions and Workflows in Video Streams. Multimedia Tools and Applications, 2016, 75, 14985-14990.	2.6	0
23	Segmentation of RGB-D indoor scenes by stacking random forests and conditional random fields. Pattern Recognition Letters, 2016, 80, 208-215.	2.6	10
24	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
25	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
26	Care respite: taking care of the caregivers. International Journal of Integrated Care, 2016, 16, 132.	0.1	0
27	ChaLearn looking at people 2015 new competitions: Age estimation and cultural event recognition. , 2015, , .		12
28	ChaLearn Looking at People 2015 challenges: Action spotting and cultural event recognition. , 2015, , .		24
29	ChaLearn Looking at People 2015: Apparent Age and Cultural Event Recognition Datasets and Results. , 2015, , .		99
30	A coarse-to-fine approach for fast deformable object detection. Pattern Recognition, 2015, 48, 1844-1853.	5.1	41
31	Multi-part body segmentation based on depth maps for soft biometry analysis. Pattern Recognition Letters, 2015, 56, 14-21.	2.6	7
32	Factorized appearances for object detection. Computer Vision and Image Understanding, 2015, 138, 92-101.	3.0	1
33	Chromatic shadow detection and tracking for moving foreground segmentation. Image and Vision Computing, 2015, 41, 42-53.	2.7	23
34	Combining where and what in change detection for unsupervised foreground learning in surveillance. Pattern Recognition, 2015, 48, 709-719.	5.1	16
35	ChaLearn Looking at People Challenge 2014: Dataset and Results. Lecture Notes in Computer Science, 2015, , 459-473.	1.0	70
36	Enhanced Asymmetric Bilinear Model for Face Recognition. International Journal of Distributed Sensor Networks, 2015, 11, 218514.	1.3	0

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37	A Survey on Model Based Approaches for 2D and 3D Visual Human Pose Recovery. Sensors, 2014, 14, 4189-4210.	2.1	48
38	Robustness of Input Features from Noisy Silhouettes in Human Pose Estimation. , 2014, , .		0
39	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
40	Moving Cast Shadows Detection Methods for Video Surveillance Applications. Augmented Vision and Reality, 2014, , 23-47.	0.2	9
41	Color Constancy Using 3D Scene Geometry Derived From a Single Image. IEEE Transactions on Image Processing, 2014, 23, 3855-3868.	6.0	13
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	Toward Real-Time Pedestrian Detection Based on a Deformable Template Model. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 355-364.	4.7	42
44	Human action recognition using an ensemble of bodyâ€part detectors. Expert Systems, 2013, 30, 101-114.	2.9	9
45	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
46	Large scale continuous visual event recognition using max-margin Hough transformation framework. Computer Vision and Image Understanding, 2013, 117, 1356-1368.	3.0	6
47	Exploiting multiple cues in motion segmentation based on background subtraction. Neurocomputing, 2013, 100, 183-196.	3.5	20
48	Towards Ontological Cognitive System. Lecture Notes in Computational Vision and Biomechanics, 2013, , 87-99.	0.5	0
49	Multi-modal gesture recognition challenge 2013. , 2013, , .		125
50	Multi-modal descriptors for multi-class hand pose recognition in human computer interaction systems. , 2013, , .		2
51	ChaLearn multi-modal gesture recognition 2013. , 2013, , .		38
52	Exploiting Multimodal Interaction Techniques for Video-Surveillance. Intelligent Systems Reference Library, 2013, , 135-151.	1.0	0
53	On partial least squares in head pose estimation: How to simultaneously deal with misalignment. , 2012, , .		65
54	Compact and adaptive spatial pyramids for scene recognition. Image and Vision Computing, 2012, 30, 492-500.	2.7	12

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55	Human action recognition based on estimated weak poses. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	7
56	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
57	Selective spatio-temporal interest points. Computer Vision and Image Understanding, 2012, 116, 396-410.	3.0	111
58	Discriminative compact pyramids for object and scene recognition. Pattern Recognition, 2012, 45, 1627-1636.	5.1	46
59	Harmony Potentials. International Journal of Computer Vision, 2012, 96, 83-102.	10.9	139
60	Trajectory-Based Abnormality Categorization for Learning Route Patterns in Surveillance. Studies in Computational Intelligence, 2012, , 87-95.	0.7	1
61	On the effect of temporal information on monocular 3d human pose estimation. , 2011, , .		1
62	Modeling vs. learning approaches for monocular 3D human pose estimation. , 2011, , .		3
63	A coarse-to-fine approach for fast deformable object detection. , 2011, , .		96
64	Beyond the Static Camera: Issues and Trends in Active Vision. , 2011, , 11-30.		1
65	Accurate Moving Cast Shadow Suppression Based on Local Color Constancy Detection. IEEE Transactions on Image Processing, 2011, 20, 2954-2966.	6.0	52
66	A selective spatio-temporal interest point detector for human action recognition in complex scenes. , 2011, , .		32
67	Determining the best suited semantic events for cognitive surveillance. Expert Systems With Applications, 2011, 38, 4068-4079.	4.4	19
68	Augmenting video surveillance footage with virtual agents for incremental event evaluation. Pattern Recognition Letters, 2011, 32, 878-889.	2.6	15
69	Efficient discriminative multiresolution cascade for real-time human detection applications. Pattern Recognition Letters, 2011, 32, 1581-1587.	2.6	6
70	Semantics of Human Behavior in Image Sequences. , 2011, , 151-182.		3
71	Robust Real-Time Background Subtraction Based on Local Neighborhood Patterns. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	9
72	On tracking inside groups. Machine Vision and Applications, 2010, 21, 113-127.	1.7	3

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73	Harmony potentials for joint classification and segmentation. , 2010, , .		107
74	First ACM international workshop on analysis and retrieval of tracked events and motion in imagery streams (ARTEMI 2010). , 2010, , .		0
75	Reactive Object Tracking with a Single PTZ Camera. , 2010, , .		11
76	Automatic Key Pose Selection for 3D Human Action Recognition. Lecture Notes in Computer Science, 2010, , 290-299.	1.0	8
77	Automatic Learning of Background Semantics in Generic Surveilled Scenes. Lecture Notes in Computer Science, 2010, , 678-692.	1.0	2
78	Recursive Coarse-to-Fine Localization for Fast Object Detection. Lecture Notes in Computer Science, 2010, , 280-293.	1.0	22
79	Exploiting Natural Language Generation in Scene Interpretation. , 2010, , 71-93.		0
80	Trinocular stereo matching with composite disparity space image. , 2009, , .		13
81	Detection and removal of chromatic moving shadows in surveillance scenarios. , 2009, , .		40
82	Generation of augmented video sequences combining behavioral animation and multi-object tracking. Computer Animation and Virtual Worlds, 2009, 20, 473-489.	0.7	3
83	Toward natural interaction through visual recognition of body gestures in real-time. Interacting With Computers, 2009, 21, 3-10.	1.0	28
84	Real-time gaze tracking with appearance-based models. Machine Vision and Applications, 2009, 20, 353-364.	1.7	20
85	Action-specific motion prior for efficient Bayesian 3D human body tracking. Pattern Recognition, 2009, 42, 2907-2921.	5.1	20
86	Understanding dynamic scenes based on human sequence evaluation. Image and Vision Computing, 2009, 27, 1433-1444.	2.7	28
87	Solving the multi object occlusion problem in a multiple camera tracking system. Pattern Recognition and Image Analysis, 2009, 19, 165-171.	0.6	9
88	Robust and Efficient Multipose Face Detection Using Skin Color Segmentation. Lecture Notes in Computer Science, 2009, , 152-159.	1.0	7
89	A distributed camera system for multi-resolution surveillance. , 2009, , .		27
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	Towards Real-Time Human Action Recognition. Lecture Notes in Computer Science, 2009, , 425-432.	1.0	5
92	High-Speed Human Detection Using a Multiresolution Cascade of Histograms of Oriented Gradients. Lecture Notes in Computer Science, 2009, , 48-55.	1.0	6
93	Research Steps Towards Human Sequence Evaluation. , 2009, , 105-115.		1
94	Interpretation of complex situations in a semantic-based surveillance framework. Signal Processing: Image Communication, 2008, 23, 554-569.	1.8	11
95	Trajectory occlusion handling with multiple-view distance-minimization clustering. Optical Engineering, 2008, 47, 047202.	0.5	6
96	View-invariant human-body detection with extension to human action recognition using component-wise HMM of body parts. , 2008, , .		12
97	View-Invariant Human Action Detection Using Component-Wise HMM of Body Parts. Lecture Notes in Computer Science, 2008, , 208-217.	1.0	4
98	Confidence assessment on eyelid and eyebrow expression recognition. , 2008, , .		6
99	Background subtraction technique based on chromaticity and intensity patterns. , 2008, , .		10
100	Automatic face and facial features initialization for robust and accurate tracking. , 2008, , .		5
101	Importance of detection for video surveillance applications. Optical Engineering, 2008, 47, 087201.	0.5	11
102	Fusing Edge Cues to Handle Colour Problems in Image Segmentation. Lecture Notes in Computer Science, 2008, , 279-288.	1.0	3
103	Autonomous Virtual Agents for Performance Evaluation of Tracking Algorithms. Lecture Notes in Computer Science, 2008, , 299-308.	1.0	4
104	Robust Multiple-People Tracking Using Colour-Based Particle Filters. Lecture Notes in Computer Science, 2007, , 113-120.	1.0	4
105	Automatic Learning of Conceptual Knowledge in Image Sequences for Human Behavior Interpretation. Lecture Notes in Computer Science, 2007, , 507-514.	1.0	3
106	On Reasoning over Tracking Events. Lecture Notes in Computer Science, 2007, , 502-511.	1.0	1
107	Natural Language Descriptions of Human Behavior from Video Sequences. Lecture Notes in Computer Science, 2007, , 279-292.	1.0	7
108	Semantic Annotation of Complex Human Scenes for Multimedia Surveillance. Lecture Notes in Computer Science, 2007, , 698-709.	1.0	4

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109	Face Detection in Color Images Using Primitive Shape Features. Advances in Intelligent and Soft Computing, 2007, , 179-186.	0.2	4
110	Trajectory Fusion for Multiple Camera Tracking. Advances in Intelligent and Soft Computing, 2007, , 19-26.	0.2	2
111	Enhancing Real-Time Human Detection Based on Histograms of Oriented Gradients. Advances in Intelligent and Soft Computing, 2007, , 739-746.	0.2	6
112	Ontology for Semantic Integration in a Cognitive Surveillance System. Lecture Notes in Computer Science, 2007, , 260-263.	1.0	5
113	Computationally Efficient Graph Matching via Energy Vector Extraction. Advances in Pattern Recognition, 2007, , 47-53.	0.8	0
114	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
115	Action Spaces for Efficient Bayesian Tracking of Human Motion. , 2006, , .		3
116	Combined Head, Lips, Eyebrows, and Eyelids Tracking Using Adaptive Appearance Models. Lecture Notes in Computer Science, 2006, , 110-119.	1.0	4
117	Posture Constraints for Bayesian Human Motion Tracking. Lecture Notes in Computer Science, 2006, , 414-423.	1.0	3
118	Efficient Incorporation of Motionless Foreground Objects for Adaptive Background Segmentation. Lecture Notes in Computer Science, 2006, , 424-433.	1.0	4
119	Unconstrained Multiple-People Tracking. Lecture Notes in Computer Science, 2006, , 505-514.	1.0	14
120	Background Updating with the Use of Intrinsic Curves. Lecture Notes in Computer Science, 2006, , 731-742.	1.0	3
121	3D Human Motion Sequences Synchronization Using Dense Matching Algorithm. Lecture Notes in Computer Science, 2006, , 485-494.	1.0	0
122	A 3D Dynamic Model of Human Actions for Probabilistic Image Tracking. Lecture Notes in Computer Science, 2005, , 529-536.	1.0	3
123	A Comparison Framework for Walking Performances using aSpaces. Electronic Letters on Computer Vision and Image Analysis, 2005, 5, 105.	0.5	1
124	Probabilistic Image-Based Tracking: Improving Particle Filtering. Lecture Notes in Computer Science, 2005, , 85-92.	1.0	1
125	Robust Particle Filtering for Object Tracking. Lecture Notes in Computer Science, 2005, , 1158-1165.	1.0	3
126	3D Action Modeling and Reconstruction for 2D Human Body Tracking. Lecture Notes in Computer Science, 2005, , 146-154.	1.0	1

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127	Appearance Tracking for Video Surveillance. Lecture Notes in Computer Science, 2003, , 1041-1048.	1.0	0
128	aSpaces: Action Spaces for Recognition and Synthesis of Human Actions. Lecture Notes in Computer Science, 2002, , 189-200.	1.0	14
129	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