

Nicola Bellotto

List of Publications by Year in descending order

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52
papers

1,324
citations

567144

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h-index

477173

29
g-index

54
all docs

54
docs citations

54
times ranked

1257
citing authors

#	ARTICLE	IF	CITATIONS
1	Multisensor-Based Human Detection and Tracking for Mobile Service Robots. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 167-181.	5.5	259
2	Stress Detection Using Wearable Physiological and Sociometric Sensors. International Journal of Neural Systems, 2017, 27, 1650041.	3.2	132
3	Online learning for human classification in 3D LiDAR-based tracking. , 2017, , .		69
4	ENRICHME: Perception and Interaction of an Assistive Robot for the Elderly at Home. International Journal of Social Robotics, 2020, 12, 779-805.	3.1	65
5	Pedestrian Models for Autonomous Driving Part II: High-Level Models of Human Behavior. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5453-5472.	4.7	62
6	Cue-based aggregation with a mobile robot swarm: a novel fuzzy-based method. Adaptive Behavior, 2014, 22, 189-206.	1.1	61
7	Online learning for 3D LiDAR-based human detection: experimental analysis of point cloud clustering and classification methods. Autonomous Robots, 2020, 44, 147-164.	3.2	61
8	Computationally efficient solutions for tracking people with a mobile robot: an experimental evaluation of Bayesian filters. Autonomous Robots, 2010, 28, 425-438.	3.2	56
9	Stress Detection Using Wearable Physiological Sensors. Lecture Notes in Computer Science, 2015, , 526-532.	1.0	56
10	Pedestrian Models for Autonomous Driving Part I: Low-Level Models, From Sensing to Tracking. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6131-6151.	4.7	40
11	Vision and Laser Data Fusion for Tracking People with a Mobile Robot. , 2006, , .		34
12	A distributed camera system for multi-resolution surveillance. , 2009, , .		27
13	Cognitive visual tracking and camera control. Computer Vision and Image Understanding, 2012, 116, 457-471.	3.0	25
14	Analysis of human-robot spatial behaviour applying a qualitative trajectory calculus. , 2012, , .		24
15	Social activity recognition based on probabilistic merging of skeleton features with proximity priors from RGB-D data. , 2016, , .		24
16	Deep Spiking Neural Network for Video-Based Disguise Face Recognition Based on Dynamic Facial Movements. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1843-1855.	7.2	24
17	Multisensor Online Transfer Learning for 3D LiDAR-Based Human Detection with a Mobile Robot. , 2018, , .		22
18	Appearance-based localization for mobile robots using digital zoom and visual compass. Robotics and Autonomous Systems, 2008, 56, 143-156.	3.0	21

#	ARTICLE	IF	CITATIONS
19	A Bank of Unscented Kalman Filters for Multimodal Human Perception with Mobile Service Robots. International Journal of Social Robotics, 2010, 2, 121-136.	3.1	21
20	A Computational Model of Human-Robot Spatial Interactions Based on a Qualitative Trajectory Calculus. Robotics, 2015, 4, 63-102.	2.1	21
21	Multisensor data fusion for joint people tracking and identification with a service robot. , 2007, , .		20
22	Integrating Mobile Robotics and Vision With Undergraduate Computer Science. IEEE Transactions on Education, 2013, 56, 48-53.	2.0	16
23	Progressive Co-adaptation in Human-Machine Interaction. , 2015, , .		15
24	Automatic detection of human interactions from RGB-D data for social activity classification. , 2017, , .		14
25	Social Activity Recognition on Continuous RGB-D Video Sequences. International Journal of Social Robotics, 2020, 12, 201-215.	3.1	12
26	Robot perception of static and dynamic objects with an autonomous floor scrubber. Intelligent Service Robotics, 2020, 13, 403-417.	1.6	12
27	Thermal Camera Based Physiological Monitoring with an Assistive Robot. , 2018, 2018, 5010-5013.		11
28	Human Re-Identification with a Robot Thermal Camera Using Entropy-Based Sampling. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 98, 85-102.	2.0	11
29	People Tracking and Identification with a Mobile Robot. , 2007, , .		10
30	Qualitative Design and Implementation of Human-Robot Spatial Interactions. Lecture Notes in Computer Science, 2013, , 331-340.	1.0	10
31	Comparison of Different Cue-Based Swarm Aggregation Strategies. Lecture Notes in Computer Science, 2014, , 1-8.	1.0	10
32	Enhancing LGMD's Looming Selectivity for UAV With Spatial-Temporal Distributed Presynaptic Connections. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2539-2553.	7.2	8
33	Performance of a Visual Fixation Model in an Autonomous Micro Robot Inspired by Drosophila Physiology. , 2018, , .		6
34	The EnrichMe Project. Lecture Notes in Computer Science, 2016, , 326-334.	1.0	6
35	HMM-based Activity Recognition with a Ceiling RGB-D Camera. , 2017, , .		6
36	QTC3D: Extending the qualitative trajectory calculus to three dimensions. Information Sciences, 2015, 322, 20-30.	4.0	5

#	ARTICLE	IF	CITATIONS
37	Multimodal perception and recognition of humans with a mobile service robot. , 2009, , .		4
38	Generative design and fabrication of a locust-inspired gliding wing prototype for micro aerial robots. Journal of Computational Design and Engineering, 2021, 8, 1191-1203.	1.5	4
39	Social distance augmented qualitative trajectory calculus for Human-Robot Spatial Interaction. , 2014, , .		3
40	On-Line Inference Comparison with Markov Logic Network Engines for Activity Recognition in AAL Environments. , 2016, , .		3
41	Human Detection and Tracking. , 2018, , 1-10.		3
42	Understanding images in biological and computer vision. Interface Focus, 2018, 8, 20180027.	1.5	3
43	A Dataset for Action Recognition in the Wild. Lecture Notes in Computer Science, 2019, , 362-374.	1.0	3
44	Volume-based Human Re-identification with RGB-D Cameras. , 2017, , .		3
45	Experimental Analysis of a Spatialised Audio Interface for People with Visual Impairments. ACM Transactions on Accessible Computing, 2020, 13, 1-21.	1.9	3
46	Cognitive active vision for human identification. , 2012, , .		2
47	Entropy-based abnormal activity detection fusing RGB-D and domotic sensors. , 2017, , .		2
48	Real-time Object Detection using Deep Learning for helping People with Visual Impairments. , 2020, , .		2
49	Bone-Conduction Audio Interface to Guide People with Visual Impairments. Communications in Computer and Information Science, 2019, , 542-553.	0.4	2
50	Active Object Search with a Mobile Device for People with Visual Impairments. , 2019, , .		2
51	Lux - An interactive receptionist robot for university open days. , 2008, , .		1
52	Neural Task Success Classifiers for Robotic Manipulation from Few Real Demonstrations. , 2021, , .		1