

# Henry Ponti Medeiros

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6082578/publications.pdf>

Version: 2024-02-01

37  
papers

797  
citations

933447

10  
h-index

752698

20  
g-index

38  
all docs

38  
docs citations

38  
times ranked

670  
citing authors

#	ARTICLE	IF	CITATIONS
1	Apple flower detection using deep convolutional networks. Computers in Industry, 2018, 99, 17-28.	9.9	174
2	Distributed Object Tracking Using a Cluster-Based Kalman Filter in Wireless Camera Networks. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 448-463.	10.8	135
3	Multispecies Fruit Flower Detection Using a Refined Semantic Segmentation Network. IEEE Robotics and Automation Letters, 2018, 3, 3003-3010.	5.1	92
4	Wireless Medical Sensor Networks: Design Requirements and Enabling Technologies. Telemedicine Journal and E-Health, 2012, 18, 394-399.	2.8	35
5	Modeling Dormant Fruit Trees for Agricultural Automation. Journal of Field Robotics, 2017, 34, 1203-1224.	6.0	35
6	A parallel histogram-based particle filter for object tracking on SIMD-based smart cameras. Computer Vision and Image Understanding, 2010, 114, 1264-1272.	4.7	31
7	A robotic vision system to measure tree traits. , 2017, , .		26
8	A parallel color-based particle filter for object tracking. , 2008, , .		24
9	A Light-Weight Event-Driven Protocol for Sensor Clustering in Wireless Camera Networks. , 2007, , .		23
10	Lightweight Data Compression in Wireless Sensor Networks Using Huffman Coding. International Journal of Distributed Sensor Networks, 2014, 10, 672921.	2.2	23
11	Measuring and modeling apple trees using time-of-flight data for automation of dormant pruning applications. , 2016, , .		21
12	Gaze Estimation for Assisted Living Environments. , 2020, , .		21
13	Cluster-Based Distributed Face Tracking in Camera Networks. IEEE Transactions on Image Processing, 2010, 19, 2551-2563.	9.8	20
14	Deep convolutional particle filter for visual tracking. , 2017, , .		18
15	Online distributed calibration of a large network of wireless cameras using dynamic clustering. , 2008, , .		16
16	Automatic segmentation of trees in dynamic outdoor environments. Computers in Industry, 2018, 98, 90-99.	9.9	11
17	Deep Convolutional Particle Filter with Adaptive Correlation Maps for Visual Tracking. , 2018, , .		11
18	Semantic Segmentation Refinement by Monte Carlo Region Growing of High Confidence Detections. Lecture Notes in Computer Science, 2019, , 131-146.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Vision-Based Self-contained Target Following Robot Using Bayesian Data Fusion. Lecture Notes in Computer Science, 2016, , 846-857.	1.3	10
20	Detecting Invasive Insects with Unmanned Aerial Vehicles. , 2019, , .		9
21	An incremental update framework for efficient retrieval from software libraries for bug localization. , 2013, , .		7
22	Multi-view face recognition from single RGBD models of the faces. Computer Vision and Image Understanding, 2017, 160, 114-132.	4.7	7
23	Image-Based Multi-Target Tracking through Multi-Bernoulli Filtering with Interactive Likelihoods. Sensors, 2017, 17, 501.	3.8	7
24	Comparing Incremental Latent Semantic Analysis Algorithms for Efficient Retrieval from Software Libraries for Bug Localization. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2015, 40, 1-8.	0.7	6
25	Resource-aware distributed particle filtering for cluster-based object tracking in wireless camera networks. International Journal of Sensor Networks, 2016, 21, 137.	0.4	4
26	Fast and Robust Curve Skeletonization for Real-World Elongated Objects. , 2018, , .		4
27	The Influence of Marking Methods on Mobility, Survivorship, and Field Recovery of Halyomorpha halys (Hemiptera: Pentatomidae) Adults and Nymphs. Environmental Entomology, 2020, 49, 1026-1031.	1.4	4
28	<i>On-Site/In Situ</i> Continuous Detecting ppb-Level Metal Ions in Drinking Water Using Block Loop-Gap Resonators and Machine Learning. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	3
29	Deep convolutional correlation iterative particle filter for visual tracking. Computer Vision and Image Understanding, 2022, 222, 103479.	4.7	3
30	Predictive duty cycle adaptation for wireless camera networks. , 2011, , .		2
31	Predicting multiple target tracking performance for applications on video sequences. Machine Vision and Applications, 2017, 28, 539-550.	2.7	1
32	Real-time Hierarchical Bayesian Data Fusion for Vision-based Target Tracking with Unmanned Aerial Platforms. , 2018, , .		1
33	Guest Editorial Assistive Computing Technologies for Human Well-Being. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1231-1233.	4.6	1
34	Cluster-Based Object Tracking by Wireless Camera Networks. , 2009, , 539-572.		0
35	Visual Tracking with Autoencoder-Based Maximum A Posteriori Data Fusion. , 2019, , .		0
36	Keypoint-Based Gaze Tracking. Lecture Notes in Computer Science, 2021, , 144-155.	1.3	0

#	ARTICLE	IF	CITATIONS
37	Speeding-Up the Particle Filter Algorithm for Tracking Multiple Targets Using CUDA Programming. , 2021, , .		0