# Henry Ponti Medeiros

List of Publications by Year
in descending order

| 37 | 797 | 933447 | 752698 |
|----|-----|--------|--------|
| **37** papers | **797** citations | **10** h-index | **20** g-index |
| **38** all docs | **38** docs citations | **38** times ranked | **670** citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Deep convolutional correlation iterative particle filter for visual tracking. Computer Vision and Image Understanding, 2022, 222, 103479. | 4.7 | 3 |
| 2 | <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 |
| 3 | Keypoint-Based Gaze Tracking. Lecture Notes in Computer Science, 2021, , 144-155. | 1.3 | 0 |
| 4 | Guest Editorial Assistive Computing Technologies for Human Well-Being. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1231-1233. | 4.6 | 1 |
| 5 | Speeding-Up the Particle Filter Algorithm for Tracking Multiple Targets Using CUDA Programming. , 2021, , . | | 0 |
| 6 | 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 |
| 7 | Gaze Estimation for Assisted Living Environments. , 2020, , . | | 21 |
| 8 | Detecting Invasive Insects with Unmanned Aerial Vehicles. , 2019, , . | | 9 |
| 9 | Visual Tracking with Autoencoder-Based Maximum A Posteriori Data Fusion. , 2019, , . | | 0 |
| 10 | Semantic Segmentation Refinement by Monte Carlo Region Growing of High Confidence Detections. Lecture Notes in Computer Science, 2019, , 131-146. | 1.3 | 11 |
| 11 | Apple flower detection using deep convolutional networks. Computers in Industry, 2018, 99, 17-28. | 9.9 | 174 |
| 12 | Automatic segmentation of trees in dynamic outdoor environments. Computers in Industry, 2018, 98, 90-99. | 9.9 | 11 |
| 13 | Fast and Robust Curve Skeletonization for Real-World Elongated Objects. , 2018, , . | | 4 |
| 14 | Deep Convolutional Particle Filter with Adaptive Correlation Maps for Visual Tracking. , 2018, , . | | 11 |
| 15 | Real-time Hierarchical Bayesian Data Fusion for Vision-based Target Tracking with Unmanned Aerial Platforms. , 2018, , . | | 1 |
| 16 | Multispecies Fruit Flower Detection Using a Refined Semantic Segmentation Network. IEEE Robotics and Automation Letters, 2018, 3, 3003-3010. | 5.1 | 92 |
| 17 | Multi-view face recognition from single RGBD models of the faces. Computer Vision and Image Understanding, 2017, 160, 114-132. | 4.7 | 7 |
| 18 | Predicting multiple target tracking performance for applications on video sequences. Machine Vision and Applications, 2017, 28, 539-550. | 2.7 | 1 |

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|---|---------|-----|-----------|
| 19 | Modeling Dormant Fruit Trees for Agricultural Automation. Journal of Field Robotics, 2017, 34, 1203-1224. | 6.0 | 35 |
| 20 | Deep convolutional particle filter for visual tracking. , 2017, , . | | 18 |
| 21 | A robotic vision system to measure tree traits. , 2017, , . | | 26 |
| 22 | Image-Based Multi-Target Tracking through Multi-Bernoulli Filtering with Interactive Likelihoods. Sensors, 2017, 17, 501. | 3.8 | 7 |
| 23 | 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 |
| 24 | Measuring and modeling apple trees using time-of-flight data for automation of dormant pruning applications. , 2016, , . | | 21 |
| 25 | Vision-Based Self-contained Target Following Robot Using Bayesian Data Fusion. Lecture Notes in Computer Science, 2016, , 846-857. | 1.3 | 10 |
| 26 | 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 |
| 27 | Lightweight Data Compression in Wireless Sensor Networks Using Huffman Coding. International Journal of Distributed Sensor Networks, 2014, 10, 672921. | 2.2 | 23 |
| 28 | An incremental update framework for efficient retrieval from software libraries for bug localization. , 2013, , . | | 7 |
| 29 | Wireless Medical Sensor Networks: Design Requirements and Enabling Technologies. Telemedicine Journal and E-Health, 2012, 18, 394-399. | 2.8 | 35 |
| 30 | Predictive duty cycle adaptation for wireless camera networks. , 2011, , . | | 2 |
| 31 | 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 |
| 32 | Cluster-Based Distributed Face Tracking in Camera Networks. IEEE Transactions on Image Processing, 2010, 19, 2551-2563. | 9.8 | 20 |
| 33 | Cluster-Based Object Tracking by Wireless Camera Networks. , 2009, , 539-572. | | 0 |
| 34 | 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 |
| 35 | Online distributed calibration of a large network of wireless cameras using dynamic clustering. , 2008, , . | | 16 |
| 36 | A parallel color-based particle filter for object tracking. , 2008, , . | | 24 |

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|---|---------|----|-----------|
| 37 | A Light-Weight Event-Driven Protocol for Sensor Clustering in Wireless Camera Networks. , 2007, , . | | 23 |