

# Antonino Furnari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/914612/publications.pdf>

Version: 2024-02-01

57  
papers

994  
citations

516710

16  
h-index

526287

27  
g-index

59  
all docs

59  
docs citations

59  
times ranked

546  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rescaling Egocentric Vision: Collection, Pipeline and Challenges for EPIC-KITCHENS-100. International Journal of Computer Vision, 2022, 130, 33-55.	15.6	93
2	Weakly Supervised Attended Object Detection Using Gaze Data as Annotations. Lecture Notes in Computer Science, 2022, , 263-274.	1.3	2
3	Egocentric Human-Object Interaction Detection Exploiting Synthetic Data. Lecture Notes in Computer Science, 2022, , 237-248.	1.3	1
4	Editorial: Machine Vision for Assistive Technologies. Frontiers in Computer Science, 2022, 4, .	2.8	1
5	A multi camera unsupervised domain adaptation pipeline for object detection in cultural sites through adversarial learning and self-training. Computer Vision and Image Understanding, 2022, , 103487.	4.7	1
6	Visual RSSI Fingerprinting for Radio-based Indoor Localization. , 2022, , .		0
7	The EPIC-KITCHENS Dataset: Collection, Challenges and Baselines. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4125-4141.	13.9	56
8	Rolling-Unrolling LSTMs for Action Anticipation from First-Person Video. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4021-4036.	13.9	44
9	EgoCart: A Benchmark Dataset for Large-Scale Indoor Image-Based Localization in Retail Stores. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1253-1267.	8.3	12
10	Unsupervised Domain Adaptation for Object Detection in Cultural Sites. , 2021, , .		1
11	Knowledge Distillation for Action Anticipation via Label Smoothing. , 2021, , .		10
12	Semantic Object Segmentation in Cultural Sites using Real and Synthetic Data. , 2021, , .		1
13	The MECCANO Dataset: Understanding Human-Object Interactions from Egocentric Videos in an Industrial-like Domain. , 2021, , .		34
14	An unsupervised domain adaptation scheme for single-stage artwork recognition in cultural sites. Image and Vision Computing, 2021, 107, 104098.	4.5	19
15	Predicting the future from first person (egocentric) vision: A survey. Computer Vision and Image Understanding, 2021, 211, 103252.	4.7	22
16	A survey on human-aware robot navigation. Robotics and Autonomous Systems, 2021, 145, 103837.	5.1	41
17	Is First Person Vision Challenging for Object Tracking?. , 2021, , .		6
18	EGO-CH: Dataset and fundamental tasks for visitors behavioral understanding using egocentric vision. Pattern Recognition Letters, 2020, 131, 150-157.	4.2	25

#	ARTICLE	IF	CITATIONS
19	SceneAdapt: Scene-based domain adaptation for semantic segmentation using adversarial learning. Pattern Recognition Letters, 2020, 136, 175-182.	4.2	12
20	Egocentric visitor localization and artwork detection in cultural sites using synthetic data. Pattern Recognition Letters, 2020, 133, 17-24.	4.2	6
21	A Comparison of Visual Navigation Approaches based on Localization and Reinforcement Learning in Virtual and Real Environments. , 2020, , .		3
22	Localizing Visitors in Natural Sites Exploiting Modality Attention on Egocentric Images and GPS Data. , 2020, , .		0
23	Estimating the occupancy status of parking areas by counting cars and non-empty stalls. Journal of Visual Communication and Image Representation, 2019, 62, 234-244.	2.8	6
24	Egocentric visitors localization in natural sites. Journal of Visual Communication and Image Representation, 2019, 65, 102664.	2.8	4
25	Egocentric Visitors Localization in Cultural Sites. Journal on Computing and Cultural Heritage, 2019, 12, 1-19.	2.1	24
26	Deep Learning for Assistive Computer Vision. Lecture Notes in Computer Science, 2019, , 3-14.	1.3	17
27	What Would You Expect? Anticipating Egocentric Actions With Rolling-Unrolling LSTMs and Modality Attention. , 2019, , .		93
28	Egocentric Action Anticipation by Disentangling Encoding and Inference. , 2019, , .		3
29	Leveraging Uncertainty to Rethink Loss Functions and Evaluation Measures for Egocentric Action Anticipation. Lecture Notes in Computer Science, 2019, , 389-405.	1.3	19
30	Egocentric Point of Interest Recognition in Cultural Sites. , 2019, , .		6
31	Image Based Localization with Simulated Egocentric Navigations. , 2019, , .		4
32	Visitors Localization in Natural Sites Exploiting EgoVision and GPS. , 2019, , .		2
33	Personal-location-based temporal segmentation of egocentric videos for lifelogging applications. Journal of Visual Communication and Image Representation, 2018, 52, 1-12.	2.8	27
34	Scene Adaptation for Semantic Segmentation using Adversarial Learning. , 2018, , .		1
35	Egocentric Shopping Cart Localization. , 2018, , .		10
36	Performance Comparison of Methods Based on Image Retrieval and Direct Regression for Egocentric Shopping Cart Localization. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	Market basket analysis from egocentric videos. Pattern Recognition Letters, 2018, 112, 83-90.	4.2	12
38	Scaling Egocentric Vision: The "Equation missing" Dataset. Lecture Notes in Computer Science, 2018, , 753-771.	1.3	140
39	Forensic analysis of handwritten documents with GRAPHJ. Journal of Electronic Imaging, 2018, 27, 1.	0.9	1
40	Forensic analysis of handwritten documents with GRAPHJ (Erratum). Journal of Electronic Imaging, 2018, 27, 1.	0.9	0
41	Distortion adaptive Sobel filters for the gradient estimation of wide angle images. Journal of Visual Communication and Image Representation, 2017, 46, 165-175.	2.8	18
42	Next-active-object prediction from egocentric videos. Journal of Visual Communication and Image Representation, 2017, 49, 401-411.	2.8	57
43	On the Exploitation of Hidden Markov Models to Improve Location-Based Temporal Segmentation of Egocentric Videos. , 2017, , .		2
44	Affine Covariant Features for Fisheye Distortion Local Modeling. IEEE Transactions on Image Processing, 2017, 26, 696-710.	9.8	17
45	How Shall We Evaluate Egocentric Action Recognition?. , 2017, , .		1
46	Understanding Food Images to Recommend Utensils During Meals. Lecture Notes in Computer Science, 2017, , 419-425.	1.3	1
47	GRAPHJ: A Forensics Tool for Handwriting Analysis. Lecture Notes in Computer Science, 2017, , 591-601.	1.3	2
48	Food vs Non-Food Classification. , 2016, , .		23
49	Recognizing Personal Locations From Egocentric Videos. IEEE Transactions on Human-Machine Systems, 2016, , 1-13.	3.5	13
50	Temporal Segmentation of Egocentric Videos to Highlight Personal Locations of Interest. Lecture Notes in Computer Science, 2016, , 474-489.	1.3	17
51	A Customized System for Vehicle Tracking and Classification. Mathematics in Industry, 2016, , 5-7.	0.3	0
52	Generalized Sobel Filters for gradient estimation of distorted images. , 2015, , .		7
53	Recognizing Personal Contexts from Egocentric Images. , 2015, , .		13
54	An integrated system for vehicle tracking and classification. Expert Systems With Applications, 2015, 42, 7263-7275.	7.6	45

#	ARTICLE	IF	CITATIONS
55	Distortion Adaptive Descriptors: Extending Gradient-Based Descriptors to Wide Angle Images. Lecture Notes in Computer Science, 2015, , 205-215.	1.3	2
56	An Experimental Analysis of Saliency Detection with Respect to Three Saliency Levels. Lecture Notes in Computer Science, 2015, , 806-821.	1.3	4
57	Affine region detectors on the fisheye domain. , 2014, , .		11