

Antonino Furnari

List of Publications by Year in descending order

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papers

994
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516710

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g-index

59
all docs

59
docs citations

59
times ranked

546
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaling Egocentric Vision: The "Equation missing" Dataset. Lecture Notes in Computer Science, 2018, , 753-771.	1.3	140
2	What Would You Expect? Anticipating Egocentric Actions With Rolling-Unrolling LSTMs and Modality Attention. , 2019, , .		93
3	Rescaling Egocentric Vision: Collection, Pipeline and Challenges for EPIC-KITCHENS-100. International Journal of Computer Vision, 2022, 130, 33-55.	15.6	93
4	Next-active-object prediction from egocentric videos. Journal of Visual Communication and Image Representation, 2017, 49, 401-411.	2.8	57
5	The EPIC-KITCHENS Dataset: Collection, Challenges and Baselines. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4125-4141.	13.9	56
6	An integrated system for vehicle tracking and classification. Expert Systems With Applications, 2015, 42, 7263-7275.	7.6	45
7	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
8	A survey on human-aware robot navigation. Robotics and Autonomous Systems, 2021, 145, 103837.	5.1	41
9	The MECCANO Dataset: Understanding Human-Object Interactions from Egocentric Videos in an Industrial-like Domain. , 2021, , .		34
10	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
11	EGO-CH: Dataset and fundamental tasks for visitors behavioral understanding using egocentric vision. Pattern Recognition Letters, 2020, 131, 150-157.	4.2	25
12	Egocentric Visitors Localization in Cultural Sites. Journal on Computing and Cultural Heritage, 2019, 12, 1-19.	2.1	24
13	Food vs Non-Food Classification. , 2016, , .		23
14	Predicting the future from first person (egocentric) vision: A survey. Computer Vision and Image Understanding, 2021, 211, 103252.	4.7	22
15	An unsupervised domain adaptation scheme for single-stage artwork recognition in cultural sites. Image and Vision Computing, 2021, 107, 104098.	4.5	19
16	Leveraging Uncertainty to Rethink Loss Functions and Evaluation Measures for Egocentric Action Anticipation. Lecture Notes in Computer Science, 2019, , 389-405.	1.3	19
17	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
18	Affine Covariant Features for Fisheye Distortion Local Modeling. IEEE Transactions on Image Processing, 2017, 26, 696-710.	9.8	17

#	ARTICLE	IF	CITATIONS
19	Deep Learning for Assistive Computer Vision. Lecture Notes in Computer Science, 2019, , 3-14.	1.3	17
20	Temporal Segmentation of Egocentric Videos to Highlight Personal Locations of Interest. Lecture Notes in Computer Science, 2016, , 474-489.	1.3	17
21	Recognizing Personal Contexts from Egocentric Images. , 2015, , .		13
22	Recognizing Personal Locations From Egocentric Videos. IEEE Transactions on Human-Machine Systems, 2016, , 1-13.	3.5	13
23	Market basket analysis from egocentric videos. Pattern Recognition Letters, 2018, 112, 83-90.	4.2	12
24	SceneAdapt: Scene-based domain adaptation for semantic segmentation using adversarial learning. Pattern Recognition Letters, 2020, 136, 175-182.	4.2	12
25	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
26	Affine region detectors on the fisheye domain. , 2014, , .		11
27	Egocentric Shopping Cart Localization. , 2018, , .		10
28	Knowledge Distillation for Action Anticipation via Label Smoothing. , 2021, , .		10
29	Generalized Sobel Filters for gradient estimation of distorted images. , 2015, , .		7
30	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
31	Egocentric visitor localization and artwork detection in cultural sites using synthetic data. Pattern Recognition Letters, 2020, 133, 17-24.	4.2	6
32	Egocentric Point of Interest Recognition in Cultural Sites. , 2019, , .		6
33	Is First Person Vision Challenging for Object Tracking?. , 2021, , .		6
34	Egocentric visitors localization in natural sites. Journal of Visual Communication and Image Representation, 2019, 65, 102664.	2.8	4
35	An Experimental Analysis of Saliency Detection with Respect to Three Saliency Levels. Lecture Notes in Computer Science, 2015, , 806-821.	1.3	4
36	Image Based Localization with Simulated Egocentric Navigations. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
37	Egocentric Action Anticipation by Disentangling Encoding and Inference. , 2019, , .		3
38	A Comparison of Visual Navigation Approaches based on Localization and Reinforcement Learning in Virtual and Real Environments. , 2020, , .		3
39	On the Exploitation of Hidden Markov Models to Improve Location-Based Temporal Segmentation of Egocentric Videos. , 2017, , .		2
40	Performance Comparison of Methods Based on Image Retrieval and Direct Regression for Egocentric Shopping Cart Localization. , 2018, , .		2
41	Distortion Adaptive Descriptors: Extending Gradient-Based Descriptors to Wide Angle Images. Lecture Notes in Computer Science, 2015, , 205-215.	1.3	2
42	GRAPHJ: A Forensics Tool for Handwriting Analysis. Lecture Notes in Computer Science, 2017, , 591-601.	1.3	2
43	Visitors Localization in Natural Sites Exploiting EgoVision and GPS. , 2019, , .		2
44	Weakly Supervised Attended Object Detection Using Gaze Data as Annotations. Lecture Notes in Computer Science, 2022, , 263-274.	1.3	2
45	How Shall We Evaluate Egocentric Action Recognition?. , 2017, , .		1
46	Scene Adaptation for Semantic Segmentation using Adversarial Learning. , 2018, , .		1
47	Unsupervised Domain Adaptation for Object Detection in Cultural Sites. , 2021, , .		1
48	Semantic Object Segmentation in Cultural Sites using Real and Synthetic Data. , 2021, , .		1
49	Understanding Food Images to Recommend Utensils During Meals. Lecture Notes in Computer Science, 2017, , 419-425.	1.3	1
50	Forensic analysis of handwritten documents with GRAPHJ. Journal of Electronic Imaging, 2018, 27, 1.	0.9	1
51	Egocentric Human-Object Interaction Detection Exploiting Synthetic Data. Lecture Notes in Computer Science, 2022, , 237-248.	1.3	1
52	Editorial: Machine Vision for Assistive Technologies. Frontiers in Computer Science, 2022, 4, .	2.8	1
53	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
54	A Customized System for Vehicle Tracking and Classification. Mathematics in Industry, 2016, , 5-7.	0.3	0

#	ARTICLE	IF	CITATIONS
55	Forensic analysis of handwritten documents with GRAPHJ (Erratum). Journal of Electronic Imaging, 2018, 27, 1.	0.9	0
56	Localizing Visitors in Natural Sites Exploiting Modality Attention on Egocentric Images and GPS Data. , 2020, , .		0
57	Visual RSSI Fingerprinting for Radio-based Indoor Localization. , 2022, , .		0