

Kristen Grauman

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

7,274
citations

394286

19
h-index

395590

33
g-index

83
all docs

83
docs citations

83
times ranked

4456
citing authors

#	ARTICLE	IF	CITATIONS
1	Relative attributes. , 2011, , .		642
2	Kernelized locality-sensitive hashing for scalable image search. , 2009, , .		608
3	Geodesic flow kernel for unsupervised domain adaptation. , 2012, , .		459
4	Observe locally, infer globally: A space-time MRF for detecting abnormal activities with incremental updates. , 2009, , .		458
5	Learning a hierarchy of discriminative space-time neighborhood features for human action recognition. , 2010, , .		373
6	Story-Driven Summarization for Egocentric Video. , 2013, , .		346
7	Key-segments for video object segmentation. , 2011, , .		337
8	Fine-Grained Visual Comparisons with Local Learning. , 2014, , .		256
9	Active Learning with Gaussian Processes for Object Categorization. , 2007, , .		212
10	FusionSeg: Learning to Combine Motion and Appearance for Fully Automatic Segmentation of Generic Objects in Videos. , 2017, , .		209
11	Fast image search for learned metrics. , 2008, , .		188
12	WhittleSearch: Image search with relative attribute feedback. , 2012, , .		180
13	Interactively building a discriminative vocabulary of nameable attributes. , 2011, , .		161
14	Gaussian Processes for Object Categorization. International Journal of Computer Vision, 2010, 88, 169-188.	10.9	132
15	Large-Scale Live Active Learning: Training Object Detectors with Crawled Data and Crowds. International Journal of Computer Vision, 2014, 108, 97-114.	10.9	118
16	Supervoxel-Consistent Foreground Propagation in Video. Lecture Notes in Computer Science, 2014, , 656-671.	1.0	110
17	Predicting Important Objects for Egocentric Video Summarization. International Journal of Computer Vision, 2015, 114, 38-55.	10.9	108
18	Learning the Relative Importance of Objects from Tagged Images for Retrieval and Cross-Modal Search. International Journal of Computer Vision, 2012, 100, 134-153.	10.9	98

#	ARTICLE	IF	CITATIONS
19	Foreground Focus: Unsupervised Learning from Partially Matching Images. International Journal of Computer Vision, 2009, 85, 143-166.	10.9	94
20	Decorrelating Semantic Visual Attributes by Resisting the Urge to Share. , 2014, , .		91
21	Sharing features between objects and their attributes. , 2011, , .		85
22	Slow and Steady Feature Analysis: Higher Order Temporal Coherence in Video. , 2016, , .		82
23	Keywords to visual categories: Multiple-instance learning for weakly supervised object categorization. , 2008, , .		80
24	Visual Object Recognition. Synthesis Lectures on Artificial Intelligence and Machine Learning, 2011, 5, 1-181.	0.6	75
25	What's it going to cost you?: Predicting effort vs. informativeness for multi-label image annotations. , 2009, , .		74
26	Semantic Jitter: Dense Supervision for Visual Comparisons via Synthetic Images. , 2017, , .		72
27	Object-graphs for context-aware category discovery. , 2010, , .		71
28	Learning Kernels for Unsupervised Domain Adaptation with Applications to Visual Object Recognition. International Journal of Computer Vision, 2014, 109, 3-27.	10.9	69
29	Far-sighted active learning on a budget for image and video recognition. , 2010, , .		60
30	Grounded Human-Object Interaction Hotspots From Video. , 2019, , .		60
31	Active Frame Selection for Label Propagation in Videos. Lecture Notes in Computer Science, 2012, , 496-509.	1.0	59
32	Occupancy Anticipation for Efficient Exploration and Navigation. Lecture Notes in Computer Science, 2020, , 400-418.	1.0	59
33	Discovering localized attributes for fine-grained recognition. , 2012, , .		58
34	WhittleSearch: Interactive Image Search with Relative Attribute Feedback. International Journal of Computer Vision, 2015, 115, 185-210.	10.9	57
35	Next-active-object prediction from egocentric videos. Journal of Visual Communication and Image Representation, 2017, 49, 401-411.	1.7	57
36	Actively selecting annotations among objects and attributes. , 2011, , .		54

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37	Object-Graphs for Context-Aware Visual Category Discovery. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 346-358.	9.7	53
38	Attribute Adaptation for Personalized Image Search. , 2013, , .		53
39	Accounting for the Relative Importance of Objects in Image Retrieval. , 2010, , .		50
40	Learning to Look Around: Intelligently Exploring Unseen Environments for Unknown Tasks. , 2018, , .		47
41	An Exploration of Embodied Visual Exploration. International Journal of Computer Vision, 2021, 129, 1616-1649.	10.9	46
42	Semantic Audio-Visual Navigation. , 2021, , .		44
43	Attribute Pivots for Guiding Relevance Feedback in Image Search. , 2013, , .		43
44	Predicting Sufficient Annotation Strength for Interactive Foreground Segmentation. , 2013, , .		43
45	Annotator rationales for visual recognition. , 2011, , .		40
46	Look-Ahead Before You Leap: End-to-End Active Recognition by Forecasting the Effect of Motion. Lecture Notes in Computer Science, 2016, , 489-505.	1.0	39
47	Asymmetric region-to-image matching for comparing images with generic object categories. , 2010, , .		37
48	Cost-Sensitive Active Visual Category Learning. International Journal of Computer Vision, 2011, 91, 24-44.	10.9	37
49	Beyond Comparing Image Pairs: Setwise Active Learning for Relative Attributes. , 2014, , .		34
50	Shape discovery from unlabeled image collections. , 2009, , .		33
51	Object-Centric Spatio-Temporal Pyramids for Egocentric Activity Recognition. , 2013, , .		32
52	CrowdVerge. , 2017, , .		30
53	Discovering Attribute Shades of Meaning with the Crowd. International Journal of Computer Vision, 2015, 114, 56-73.	10.9	26
54	Watching Unlabeled Video Helps Learn New Human Actions from Very Few Labeled Snapshots. , 2013, , .		25

#	ARTICLE	IF	CITATIONS
55	Detecting Engagement in Egocentric Video. Lecture Notes in Computer Science, 2016, , 454-471.	1.0	25
56	End-to-End Policy Learning for Active Visual Categorization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1601-1614.	9.7	23
57	Ego-Exo: Transferring Visual Representations from Third-person to First-person Videos. , 2021, , .		23
58	Efficiently searching for similar images. Communications of the ACM, 2010, 53, 84-94.	3.3	20
59	Emergence of exploratory look-around behaviors through active observation completion. Science Robotics, 2019, 4, .	9.9	19
60	Leaving Some Stones Unturned: Dynamic Feature Prioritization for Activity Detection in Streaming Video. Lecture Notes in Computer Science, 2016, , 783-800.	1.0	17
61	Learning Image Representations Tied to Egomotion from Unlabeled Video. International Journal of Computer Vision, 2017, 125, 136-161.	10.9	17
62	Pixel Objectness: Learning to Segment Generic Objects Automatically in Images and Videos. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 2677-2692.	9.7	17
63	Thinking Outside the Pool: Active Training Image Creation for Relative Attributes. , 2019, , .		16
64	Sidekick Policy Learning for Active Visual Exploration. Lecture Notes in Computer Science, 2018, , 424-442.	1.0	15
65	Pull the Plug? Predicting If Computers or Humans Should Segment Images. , 2016, , .		13
66	ShapeCodes: Self-supervised Feature Learning by Lifting Views to Viewgrids. Lecture Notes in Computer Science, 2018, , 126-144.	1.0	12
67	Reading between the lines: Object localization using implicit cues from image tags. , 2010, , .		10
68	3D Facial similarity: Automatic assessment versus perceptual judgments. , 2010, , .		10
69	What's it going to cost you?: Predicting effort vs. informativeness for multi-label image annotations. , 2009, , .		10
70	Implied Feedback: Learning Nuances of User Behavior in Image Search. , 2013, , .		9
71	Attributes for Image Retrieval. Advances in Computer Vision and Pattern Recognition, 2017, , 89-117.	0.9	8
72	Predicting Foreground Object Ambiguity and Efficiently Crowdsourcing the Segmentation(s). International Journal of Computer Vision, 2018, 126, 714-730.	10.9	8

#	ARTICLE	IF	CITATIONS
73	Click Carving: Interactive Object Segmentation in Images and Videos with Point Clicks. International Journal of Computer Vision, 2019, 127, 1321-1344.	10.9	6
74	Fine-Grained Comparisons with Attributes. Advances in Computer Vision and Pattern Recognition, 2017, , 119-154.	0.9	5
75	Observe locally, infer globally: A space-time MRF for detecting abnormal activities with incremental updates. , 2009, , .		5
76	From Culture to Clothing: Discovering the World Events Behind A Century of Fashion Images. , 2021, , .		5
77	Reconstructing a fragmented face from a cryptographic identification protocol. , 2013, , .		4
78	Computer Vision for Fashion. , 2020, , .		4
79	Subjects and Their Objects: Localizing Interactees for a Person-Centric View of Importance. International Journal of Computer Vision, 2018, 126, 292-313.	10.9	3
80	Predicting How to Distribute Work Between Algorithms and Humans to Segment an Image Batch. International Journal of Computer Vision, 2019, 127, 1198-1216.	10.9	3
81	Boundary Preserving Dense Local Regions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 931-943.	9.7	2
82	Predicting the Location of "interactees" in Novel Human-Object Interactions. Lecture Notes in Computer Science, 2015, , 351-367.	1.0	1
83	Densifying Supervision for Fine-Grained Visual Comparisons. International Journal of Computer Vision, 2020, 128, 2704-2730.	10.9	0