

# Stan Sclaroff

## List of Publications by Year in descending order

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74  
papers

3,718  
citations

377584

21  
h-index

425179

34  
g-index

77  
all docs

77  
docs citations

77  
times ranked

3451  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting Image-Language Networks for Open-Ended Phrase Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 2155-2167.	9.7	9
2	Real-Time Semantic Segmentation With Fast Attention. IEEE Robotics and Automation Letters, 2021, 6, 263-270.	3.3	78
3	Guided Zoom: Zooming into Network Evidence to Refine Fine-Grained Model Decisions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4196-4202.	9.7	15
4	Explainable Deep Classification Models for Domain Generalization. , 2021, , .		19
5	Excitation Dropout: Encouraging Plasticity in Deep Neural Networks. International Journal of Computer Vision, 2021, 129, 1139-1152.	10.9	11
6	Affect-driven Learning Outcomes Prediction in Intelligent Tutoring Systems. , 2019, , .		6
7	Multilevel Language and Vision Integration for Text-to-Clip Retrieval. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9062-9069.	3.6	172
8	Visual Saliency: From Pixel-Level to Object-Level Analysis. , 2019, , .		5
9	Hashing with Mutual Information. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 2424-2437.	9.7	57
10	Cost-Aware Fine-Grained Recognition for IoTs Based on Sequential Fixations. , 2019, , .		1
11	Language Features Matter: Effective Language Representations for Vision-Language Tasks. , 2019, , .		14
12	Predicting Foreground Object Ambiguity and Efficiently Crowdsourcing the Segmentation(s). International Journal of Computer Vision, 2018, 126, 714-730.	10.9	8
13	Top-Down Neural Attention by Excitation Backprop. International Journal of Computer Vision, 2018, 126, 1084-1102.	10.9	350
14	Space-Time Tree Ensemble for Action Recognition and Localization. International Journal of Computer Vision, 2018, 126, 314-332.	10.9	11
15	Hashing as Tie-Aware Learning to Rank. , 2018, , .		47
16	Excitation Backprop for RNNs. , 2018, , .		30
17	Context-Sensitive Prediction of Facial Expressivity Using Multimodal Hierarchical Bayesian Neural Networks. , 2018, , .		8
18	Comparing random forest approaches to segmenting and classifying gestures. Image and Vision Computing, 2017, 58, 86-95.	2.7	47

#	ARTICLE	IF	CITATIONS
19	Online supervised hashing. Computer Vision and Image Understanding, 2017, 156, 162-173.	3.0	37
20	Salient Object Subitizing. International Journal of Computer Vision, 2017, 124, 169-186.	10.9	14
21	MHash: Online Hashing with Mutual Information. , 2017, , .		71
22	Discovering useful parts for pose estimation in sparsely annotated datasets. , 2016, , .		1
23	Unconstrained Salient Object Detection via Proposal Subset Optimization. , 2016, , .		69
24	Top-Down Neural Attention by Excitation Backprop. Lecture Notes in Computer Science, 2016, , 543-559.	1.0	104
25	Poselet-Based Contextual Rescoring for Human Pose Estimation via Pictorial Structures. International Journal of Computer Vision, 2016, 118, 49-64.	10.9	7
26	Adaptive Hashing for Fast Similarity Search. , 2015, , .		56
27	Minimum Barrier Salient Object Detection at 80 FPS. , 2015, , .		313
28	Salient Object Subitizing. , 2015, , .		59
29	Space-time tree ensemble for action recognition. , 2015, , .		35
30	Hankelet-based dynamical systems modeling for 3D action recognition. Image and Vision Computing, 2015, 44, 29-43.	2.7	26
31	3D pose estimation of bats in the wild. , 2014, , .		3
32	Saliency Detection: A Boolean Map Approach. , 2013, , .		358
33	Action Recognition and Localization by Hierarchical Space-Time Segments. , 2013, , .		64
34	Joint Alignment and Modeling of Correlated Behavior Streams. , 2013, , .		13
35	Decoding Children's Social Behavior. , 2013, , .		103
36	Fast vision-based scene modeling for augmented reality in unprepared man-made environments. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 525-537.	0.8	1

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37	Online Multi-person Tracking by Tracker Hierarchy. , 2012, , .		52
38	Coupling detection and data association for multiple object tracking. , 2012, , .		27
39	Web-Based Classifiers for Human Action Recognition. IEEE Transactions on Multimedia, 2012, 14, 1031-1045.	5.2	24
40	Exploiting phonological constraints for handshape inference in ASL video. , 2011, , .		27
41	Layered Graphical Models for Tracking Partially Occluded Objects. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1758-1775.	9.7	17
42	Learning parameterized histogram kernels on the simplex manifold for image and action classification. , 2011, , .		7
43	3D Human Motion Tracking with a Coordinated Mixture of Factor Analyzers. International Journal of Computer Vision, 2010, 87, 170-190.	10.9	52
44	Object, Scene and Actions: Combining Multiple Features for Human Action Recognition. Lecture Notes in Computer Science, 2010, , 494-507.	1.0	157
45	Object Recognition and Localization Via Spatial Instance Embedding. , 2010, , .		0
46	Is a detector only good for detection?. , 2009, , .		2
47	Learning actions from the Web. , 2009, , .		73
48	Reducing JointBoost-based multiclass classification to proximity search. , 2009, , .		4
49	Mining frequent arrangements of temporal intervals. Knowledge and Information Systems, 2009, 21, 133-171.	2.1	90
50	Reducing JointBoost-based multiclass classification to proximity search. , 2009, , .		2
51	An alignment based similarity measure for hand detection in cluttered sign language video. , 2009, , .		0
52	Multi-scale 3D scene flow from binocular stereo sequences. Computer Vision and Image Understanding, 2008, 110, 75-90.	3.0	37
53	Detecting Objects of Variable Shape Structure With Hidden State Shape Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 477-492.	9.7	25
54	Layered graphical models for tracking partially-occluded objects. , 2008, , .		12

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55	Multiplicative kernels: Object detection, segmentation and pose estimation. , 2008, , .		13
56	ClassMap: Efficient Multiclass Recognition via Embeddings. , 2007, , .		6
57	Simultaneous Learning of Nonlinear Manifold and Dynamical Models for High-dimensional Time Series. , 2007, , .		38
58	Monocular Tracking of 3D Human Motion with a Coordinated Mixture of Factor Analyzers. Lecture Notes in Computer Science, 2006, , 137-150.	1.0	30
59	Combining Generative and Discriminative Models in a Framework for Articulated Pose Estimation. International Journal of Computer Vision, 2006, 67, 251-276.	10.9	44
60	Automated camera layout to satisfy task-specific and floor plan-specific coverage requirements. Computer Vision and Image Understanding, 2006, 103, 156-169.	3.0	186
61	Handsignals Recognition From Video Using 3D Motion Capture Data. , 2005, , .		8
62	Simultaneous Localization and Recognition of Dynamic Hand Gestures. , 2005, , .		51
63	Periodic Motion Detection and Estimation via Space-Time Sampling. , 2005, , .		13
64	Automatic 2D Hand Tracking in Video Sequences. , 2005, , .		23
65	Multi-Scale 3D Scene Flow from Binocular Stereo Sequences. , 2005, , .		12
66	Deformable model-guided region split and merge of image regions. Image and Vision Computing, 2004, 22, 343-354.	2.7	22
67	Skin color-based video segmentation under time-varying illumination. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 862-877.	9.7	180
68	Active blobs: region-based, deformable appearance models. Computer Vision and Image Understanding, 2003, 89, 197-225.	3.0	35
69	A framework for heading-guided recognition of human activity. Computer Vision and Image Understanding, 2003, 91, 335-367.	3.0	16
70	Index trees for accelerating deformable template matching. Pattern Recognition Letters, 2002, 23, 1483-1493.	2.6	0
71	Unifying Textual and Visual Cues for Content-Based Image Retrieval on the World Wide Web. Computer Vision and Image Understanding, 1999, 75, 86-98.	3.0	104
72	Distance to Deformable Prototypes: Encoding Shape Categories for Efficient Search. Series on Software Engineering and Knowledge Engineering, 1998, , 149-164.	0.1	6

#	ARTICLE	IF	CITATIONS
73	Deformable prototypes for encoding shape categories in image databases. Pattern Recognition, 1997, 30, 627-641.	5.1	82
74	A Unified Approach for Physical and Geometric Modeling for Graphics and Animation. Computer Graphics Forum, 1992, 11, 129-138.	1.8	18