Alan Yuille

List of Publications by Year
in descending order

33 papers	4,151 citations	471509 17 h-index	713466 21 g-index
33 all docs	33 docs citations	33 times ranked	3165 citing authors

#	Article	IF	Citations
1	Object Perception as Bayesian Inference. Annual Review of Psychology, 2004, 55, 271-304.	17.7	1,113
2	Vision as Bayesian inference: analysis by synthesis?. Trends in Cognitive Sciences, 2006, 10, 301-308.	7.8	714
3	Probabilistic models of cognition: Conceptual foundations. Trends in Cognitive Sciences, 2006, 10, 287-291.	7.8	490
4	Efficient Multilevel Brain Tumor Segmentation With Integrated Bayesian Model Classification. IEEE Transactions on Medical Imaging, 2008, 27, 629-640.	8.9	348
5	Bayesian models of object perception. Current Opinion in Neurobiology, 2003, 13, 150-158.	4.2	222
6	Describing surfaces. Computer Vision, Graphics, and Image Processing, 1985, 32, 1-28.	1.0	191
7	An Analysis of the Elastic Net Approach to the Traveling Salesman Problem. Neural Computation, 1989, 1, 348-358.	2.2	168
8	A common framework for image segmentation. International Journal of Computer Vision, 1991, 6, 227-243.	15.6	148
9	Occlusions and binocular stereo. International Journal of Computer Vision, 1995, 14, 211-226.	15.6	140
10	An Extremum Principle for Shape from Contour. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1984, PAMI-6, 288-301.	13.9	121
11	Recursive segmentation and recognition templates for image parsing. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 359-371.	13.9	87
12	Efficient Deformable Template Detection and Localization without User Initialization. Computer Vision and Image Understanding, 2000, 78, 303-319.	4.7	80
13	Latent hierarchical structural learning for object detection. , 2010, , .		56
14	Unsupervised Learning of Object Deformation Models. , 2007, , .		37
15	Texture segmentation by minimizing vector-valued energy functionals: The Coupled-Membrane model. Lecture Notes in Computer Science, 1992, , 165-173.	1.3	36
16	Probabilistic models of cognition: where next?. Trends in Cognitive Sciences, 2006, 10, 292-293.	7.8	31
17	Max Margin Learning of Hierarchical Configural Deformable Templates (HCDTs) for Efficient Object Parsing and Pose Estimation. International Journal of Computer Vision, 2011, 93, 1-21.	15.6	29
18	Boundary Detection Benchmarking: Beyond F-Measures. , 2013, , .		26

#	Article	IF	Citations
19	Statistical morphology and Bayesian reconstruction. Journal of Mathematical Imaging and Vision, 1992, 1, 223-238.	1.3	24
20	Shape matching and registration by data-driven EM. Computer Vision and Image Understanding, 2008, 109, 290-304.	4.7	24
21	Occlusion Boundary Detection Using Pseudo-depth. Lecture Notes in Computer Science, 2010, , 539-552.	1.3	21
22	Recursive Compositional Models for Vision: Description and Review of Recent Work. Journal of Mathematical Imaging and Vision, 2011, 41, 122-146.	1.3	15
23	Max Margin AND/OR Graph learning for parsing the human body. , 2008, , .		8
24	Part and appearance sharing: Recursive Compositional Models for multi-view. , 2010, , .		6
25	Scale-Space SIFT flow. , 2014, , .		5
26	Structure-perceptron learning of a hierarchical log-linear model. , 2008, , .		3
27	Unsupervised learning of probabilistic object models (POMs) for object classification, segmentation and recognition. , 2008, , .		2
28	An information theory perspective on computational vision. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2010, 5, 329-346.	0.6	2
29	Computing importance of 2D contour parts by reconstructability. , 2011, , .		2
30	Recursive compositional models: Representation, learning, and inference. , 2009, , .		1
31	Probabilistic models of vision and max-margin methods. Frontiers of Electrical and Electronic Engineering, 2012, 7, 94-106.	0.5	1
32	Learning a dictionary of deformable patches using GPUs. , 2011, , .		0
33	Recursive compositional models: Representation, learning, and inference. , 2009, , .		0