

Jitendra Malik

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

12,490
citations

34
h-index

47
g-index

47
ext. papers

14,772
ext. citations

9.1
avg, IF

6.64
L-index

#	Paper	IF	Citations
47	Contour detection and hierarchical image segmentation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 898-916	13.3	2840
46	Learning to detect natural image boundaries using local brightness, color, and texture cues. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2004 , 26, 530-49	13.3	1451
45	Representing and Recognizing the Visual Appearance of Materials using Three-dimensional Textons 2001 , 43, 29-44		959
44	Large displacement optical flow: descriptor matching in variational motion estimation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 500-13	13.3	847
43	Spectral grouping using the Nyström method. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2004 , 26, 214-25	13.3	754
42	Preattentive texture discrimination with early vision mechanisms. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1990 , 7, 923-32	1.8	629
41	Contour and Texture Analysis for Image Segmentation. <i>International Journal of Computer Vision</i> , 2001 , 43, 7-27	10.6	596
40	Semantic contours from inverse detectors 2011 ,		539
39	A real-time computer vision system for vehicle tracking and traffic surveillance. <i>Transportation Research Part C: Emerging Technologies</i> , 1998 , 6, 271-288	8.4	335
38	Shape, Illumination, and Reflectance from Shading. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 1670-87	13.3	305
37	Efficient shape matching using shape contexts. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2005 , 27, 1832-7	13.3	250
36	From contours to regions: An empirical evaluation 2009 ,		232
35	Interpreting line drawings of curved objects. <i>International Journal of Computer Vision</i> , 1987 , 1, 73-103	10.6	226
34	2008 ,		220
33	A quantitative spatiotemporal atlas of gene expression in the Drosophila blastoderm. <i>Cell</i> , 2008 , 133, 364-74	56.2	218
32	Recovering 3D human body configurations using shape contexts. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2006 , 28, 1052-62	13.3	182
31	Action recognition from a distributed representation of pose and appearance 2011 ,		175

30	When is scene identification just texture recognition?. <i>Vision Research</i> , 2004 , 44, 2301-11	2.1	138
29	Object detection using a max-margin Hough transform 2009 ,		137
28	Indoor Scene Understanding with RGB-D Images: Bottom-up Segmentation, Object Detection and Semantic Segmentation. <i>International Journal of Computer Vision</i> , 2015 , 112, 133-149	10.6	136
27	Twist Based Acquisition and Tracking of Animal and Human Kinematics. <i>International Journal of Computer Vision</i> , 2004 , 56, 179-194	10.6	130
26	Robust computation of optical flow in a multi-scale differential framework. <i>International Journal of Computer Vision</i> , 1995 , 14, 67-81	10.6	129
25	Computing Local Surface Orientation and Shape from Texture for Curved Surfaces. <i>International Journal of Computer Vision</i> , 1997 , 23, 149-168	10.6	109
24	Robust multiple car tracking with occlusion reasoning. <i>Lecture Notes in Computer Science</i> , 1994 , 189-196	0.9	107
23	Tracking as Repeated Figure/Ground Segmentation 2007 ,		101
22	Three-dimensional morphology and gene expression in the Drosophila blastoderm at cellular resolution I: data acquisition pipeline. <i>Genome Biology</i> , 2006 , 7, R123	18.3	100
21	Occlusion boundary detection and figure/ground assignment from optical flow 2011 ,		88
20	Computational framework for determining stereo correspondence from a set of linear spatial filters. <i>Image and Vision Computing</i> , 1992 , 10, 699-708	3.7	82
19	Three-dimensional morphology and gene expression in the Drosophila blastoderm at cellular resolution II: dynamics. <i>Genome Biology</i> , 2006 , 7, R124	18.3	75
18	Learning Probabilistic Models for Contour Completion in Natural Images. <i>International Journal of Computer Vision</i> , 2008 , 77, 47-63	10.6	64
17	Surface orientation from texture: isotropy or homogeneity (or both)?. <i>Vision Research</i> , 1997 , 37, 2283-93	2.1	52
16	Articulated Pose Estimation Using Discriminative Armllet Classifiers 2013 ,		47
15	Multi-scale object detection by clustering lines 2009 ,		45
14	Inferring spatial layout from a single image via depth-ordered grouping 2008 ,		34
13	Automated multi-model reconstruction from single-particle electron microscopy data. <i>Journal of Structural Biology</i> , 2010 , 170, 98-108	3.4	30

12	Spectral Partitioning with Indefinite Kernels Using the Nyström Extension. <i>Lecture Notes in Computer Science</i> , 2002 , 531-542	0.9	24
11	Stereoscopic occlusion junctions. <i>Nature Neuroscience</i> , 1999 , 2, 840-3	25.5	22
10	Shape Matching and Object Recognition. <i>Lecture Notes in Computer Science</i> , 2006 , 483-507	0.9	22
9	Object detection using a max-margin Hough transform		17
8	A Probabilistic Multi-scale Model for Contour Completion Based on Image Statistics. <i>Lecture Notes in Computer Science</i> , 2002 , 312-327	0.9	16
7	Volumetric Semantic Segmentation using Pyramid Context Features. <i>Proceedings of the IEEE International Conference on Computer Vision</i> , 2013 , 2013, 3448-3455	3.3	7
6	Coupling visualization and data analysis for knowledge discovery from multi-dimensional scientific data. <i>Procedia Computer Science</i> , 2010 , 1, 1757-1764	1.6	5
5	On binocularly viewed occlusion junctions. <i>Lecture Notes in Computer Science</i> , 1996 , 167-174	0.9	5
4	Classification of sidewalks in street view images 2013 ,		4
3	How little do we need for 3-D shape perception?. <i>Perception</i> , 2011 , 40, 257-71	1.2	4
2	VISION-BASED AUTOMATIC ROAD VEHICLE GUIDANCE 1999 , 817-854		2
1	A computational model for shape from texture. <i>Novartis Foundation Symposium</i> , 1994 , 184, 272-83; discussion 283-6, 330-8		0