

# Jitendra Malik

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10810015/publications.pdf>

Version: 2024-02-01

46  
papers

17,047  
citations

218381

26  
h-index

414034

32  
g-index

47  
all docs

47  
docs citations

47  
times ranked

10845  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape, Illumination, and Reflectance from Shading. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1670-1687.	9.7	456
2	Indoor Scene Understanding with RGB-D Images: Bottom-up Segmentation, Object Detection and Semantic Segmentation. International Journal of Computer Vision, 2015, 112, 133-149.	10.9	182
3	Classification of sidewalks in street view images. , 2013, , .		11
4	Volumetric Semantic Segmentation Using Pyramid Context Features. , 2013, 2013, 3448-3455.		10
5	Articulated Pose Estimation Using Discriminative Armllet Classifiers. , 2013, , .		60
6	Action recognition from a distributed representation of pose and appearance. , 2011, , .		215
7	Occlusion boundary detection and figure/ground assignment from optical flow. , 2011, , .		109
8	Large Displacement Optical Flow: Descriptor Matching in Variational Motion Estimation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 500-513.	9.7	1,063
9	Contour Detection and Hierarchical Image Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 898-916.	9.7	4,034
10	How Little Do We Need for 3-D Shape Perception?. Perception, 2011, 40, 257-271.	0.5	4
11	Semantic contours from inverse detectors. , 2011, , .		925
12	Coupling visualization and data analysis for knowledge discovery from multi-dimensional scientific data. Procedia Computer Science, 2010, 1, 1757-1764.	1.2	8
13	Automated multi-model reconstruction from single-particle electron microscopy data. Journal of Structural Biology, 2010, 170, 98-108.	1.3	34
14	Multi-scale object detection by clustering lines. , 2009, , .		58
15	From contours to regions: An empirical evaluation. , 2009, , .		304
16	Object detection using a max-margin Hough transform. , 2009, , .		192
17	Object detection using a max-margin Hough transform. , 2009, , .		18
18	Learning Probabilistic Models for Contour Completion in Natural Images. International Journal of Computer Vision, 2008, 77, 47-63.	10.9	81

#	ARTICLE	IF	CITATIONS
19	A Quantitative Spatiotemporal Atlas of Gene Expression in the Drosophila Blastoderm. Cell, 2008, 133, 364-374.	13.5	263
20	Inferring spatial layout from a single image via depth-ordered grouping. , 2008, , .		46
21	Using contours to detect and localize junctions in natural images. , 2008, , .		289
22	Tracking as Repeated Figure/Ground Segmentation. , 2007, , .		117
23	Three-dimensional morphology and gene expression in the Drosophila blastoderm at cellular resolution I: data acquisition pipeline. Genome Biology, 2006, 7, R123.	13.9	121
24	Three-dimensional morphology and gene expression in the Drosophila blastoderm at cellular resolution II: dynamics. Genome Biology, 2006, 7, R124.	13.9	94
25	Recovering 3D human body configurations using shape contexts. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1052-1062.	9.7	213
26	Efficient shape matching using shape contexts. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1832-1837.	9.7	340
27	Twist Based Acquisition and Tracking of Animal and Human Kinematics. International Journal of Computer Vision, 2004, 56, 179-194.	10.9	156
28	When is scene identification just texture recognition?. Vision Research, 2004, 44, 2301-2311.	0.7	196
29	Spectral grouping using the nystrom method. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 214-225.	9.7	994
30	Learning to detect natural image boundaries using local brightness, color, and texture cues. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 530-549.	9.7	1,918
31	A Probabilistic Multi-scale Model for Contour Completion Based on Image Statistics. Lecture Notes in Computer Science, 2002, , 312-327.	1.0	25
32	Spectral Partitioning with Indefinite Kernels Using the Nyström Extension. Lecture Notes in Computer Science, 2002, , 531-542.	1.0	40
33	Representing and Recognizing the Visual Appearance of Materials using Three-dimensional Textons. , 2001, 43, 29-44.		1,225
34	Contour and Texture Analysis for Image Segmentation. International Journal of Computer Vision, 2001, 43, 7-27.	10.9	831
35	Stereoscopic occlusion junctions. Nature Neuroscience, 1999, 2, 840-843.	7.1	22
36	VISION-BASED AUTOMATIC ROAD VEHICLE GUIDANCE. , 1999, , 817-854.		3

#	ARTICLE	IF	CITATIONS
37	A real-time computer vision system for vehicle tracking and traffic surveillance. Transportation Research Part C: Emerging Technologies, 1998, 6, 271-288.	3.9	463
38	Surface orientation from texture: Isotropy or homogeneity (or both)?. Vision Research, 1997, 37, 2283-2293.	0.7	69
39	Computing Local Surface Orientation and Shape from Texture for Curved Surfaces. International Journal of Computer Vision, 1997, 23, 149-168.	10.9	162
40	On binocularly viewed occlusion junctions. Lecture Notes in Computer Science, 1996, , 167-174.	1.0	10
41	Robust computation of optical flow in a multi-scale differential framework. International Journal of Computer Vision, 1995, 14, 67-81.	10.9	177
42	Robust multiple car tracking with occlusion reasoning. Lecture Notes in Computer Science, 1994, , 189-196.	1.0	252
43	A Computational Model for Shape from Texture. Novartis Foundation Symposium, 1994, 184, 272-286.	1.2	4
44	Computational framework for determining stereo correspondence from a set of linear spatial filters. Image and Vision Computing, 1992, 10, 699-708.	2.7	121
45	Preattentive texture discrimination with early vision mechanisms. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1990, 7, 923.	0.8	814
46	Interpreting line drawings of curved objects. International Journal of Computer Vision, 1987, 1, 73-103.	10.9	278