

Derek Hoiem

List of Publications by Year in descending order

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36
papers

6,024
citations

758635

12
h-index

1058022

14
g-index

36
all docs

36
docs citations

36
times ranked

3692
citing authors

#	ARTICLE	IF	CITATIONS
1	Indoor Segmentation and Support Inference from RGBD Images. Lecture Notes in Computer Science, 2012, , 746-760.	1.0	2,011
2	Recovering Surface Layout from an Image. International Journal of Computer Vision, 2007, 75, 151-172.	10.9	525
3	Putting Objects in Perspective. International Journal of Computer Vision, 2008, 80, 3-15.	10.9	446
4	Recovering the spatial layout of cluttered rooms. , 2009, , .		355
5	An empirical study of context in object detection. , 2009, , .		342
6	Category Independent Object Proposals. Lecture Notes in Computer Science, 2010, , 575-588.	1.0	227
7	Single-image shadow detection and removal using paired regions. , 2011, , .		202
8	Category-Independent Object Proposals with Diverse Ranking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 222-234.	9.7	178
9	LayoutNet: Reconstructing the 3D Room Layout from a Single RGB Image. , 2018, , .		162
10	Automatic photo pop-up. , 2005, , .		157
11	Recovering Occlusion Boundaries from a Single Image. , 2007, , .		153
12	Recovering Occlusion Boundaries from an Image. International Journal of Computer Vision, 2011, 91, 328-346.	10.9	139
13	Attribute-centric recognition for cross-category generalization. , 2010, , .		133
14	Completing 3D object shape from one depth image. , 2015, , .		112
15	Thinking Inside the Box: Using Appearance Models and Context Based on Room Geometry. Lecture Notes in Computer Science, 2010, , 224-237.	1.0	112
16	Closing the loop in scene interpretation. , 2008, , .		102
17	3D LayoutCRF for Multi-View Object Class Recognition and Segmentation. , 2007, , .		85
18	Building text features for object image classification. , 2009, , .		85

#	ARTICLE	IF	CITATIONS
19	Recovering free space of indoor scenes from a single image. , 2012, , .		75
20	Photo clip art. , 2007, , .		68
21	Support Surface Prediction in Indoor Scenes. , 2013, , .		56
22	Learning to Find Object Boundaries Using Motion Cues. , 2007, , .		52
23	Representations and Techniques for 3D Object Recognition and Scene Interpretation. Synthesis Lectures on Artificial Intelligence and Machine Learning, 2011, 5, 1-169.	0.6	51
24	Comparative object similarity for improved recognition with few or no examples. , 2010, , .		35
25	Beyond the Line of Sight: Labeling the Underlying Surfaces. Lecture Notes in Computer Science, 2012, , 761-774.	1.0	35
26	Manhattan Room Layout Reconstruction from a Single 360° Image: A Comparative Study of State-of-the-Art Methods. International Journal of Computer Vision, 2021, 129, 1410-1431.	10.9	28
27	The benefits and challenges of collecting richer object annotations. , 2010, , .		24
28	Complete 3D Scene Parsing from an RGBD Image. International Journal of Computer Vision, 2019, 127, 143-162.	10.9	19
29	It's All About the Data. Proceedings of the IEEE, 2010, 98, 1434-1452.	16.4	15
30	Guest Editorial: Scene Understanding. International Journal of Computer Vision, 2015, 112, 131-132.	10.9	12
31	Opportunistic Use of Vision to Push Back the Path-Planning Horizon. , 2006, , .		10
32	Learning to localize detected objects. , 2012, , .		7
33	Labeling Complete Surfaces in Scene Understanding. International Journal of Computer Vision, 2015, 112, 172-187.	10.9	6
34	Silhouette Guided Point Cloud Reconstruction beyond Occlusion. , 2020, , .		5
35	Editorial: Introduction to the Special Section on CVPR2019 Best Papers. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 4203-4204.	9.7	0
36	Building text features for object image classification. , 2009, , .		0