

Thomas Brox

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.

19
papers

12,546
citations

12
h-index

20
g-index

20
ext. papers

17,959
ext. citations

8.1
avg, IF

7.33
L-index

#	Paper	IF	Citations
19	U-Net: Convolutional Networks for Biomedical Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2015 , 234-241	0.9	11746
18	Learning to generate chairs with convolutional neural networks 2015 ,		292
17	Efficient deep models for monocular road segmentation 2016 ,		98
16	Rotation-Invariant HOG Descriptors Using Fourier Analysis in Polar and Spherical Coordinates. <i>International Journal of Computer Vision</i> , 2014 , 106, 342-364	10.6	91
15	Artistic Style Transfer for Videos and Spherical Images. <i>International Journal of Computer Vision</i> , 2018 , 126, 1199-1219	10.6	57
14	Semi-Supervised Semantic Segmentation With High- and Low-Level Consistency. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 1369-1379	13.3	53
13	3D Human Pose Estimation in RGBD Images for Robotic Task Learning 2018 ,		45
12	Deep learning for human part discovery in images 2016 ,		42
11	Semantics-aware visual localization under challenging perceptual conditions 2017 ,		42
10	Microcracks in Silicon Wafers I: Inline Detection and Implications of Crack Morphology on Wafer Strength. <i>IEEE Journal of Photovoltaics</i> , 2016 , 6, 126-135	3.7	28
9	Box2Pix: Single-Shot Instance Segmentation by Assigning Pixels to Object Boxes 2018 ,		21
8	Global, Dense Multiscale Reconstruction for a Billion Points. <i>International Journal of Computer Vision</i> , 2017 , 125, 82-94	10.6	13
7	Blind Deconvolution of Widefield Fluorescence Microscopic Data by Regularization of the Optical Transfer Function (OTF) 2013 ,		6
6	Spatiotemporal Deformable Prototypes for Motion Anomaly Detection. <i>International Journal of Computer Vision</i> , 2017 , 122, 502-523	10.6	3
5	Explainable AI for CNN-based prostate tumor segmentation in multi-parametric MRI correlated to whole mount histopathology.. <i>Radiation Oncology</i> , 2022 , 17, 65	4.2	3
4	Automated Boxwood Topiary Trimming with a Robotic Arm and Integrated Stereo Vision* 2019 ,		2
3	Blind deconvolution with PSF regularization for wide-field microscopy 2012 ,		1

2 Microridge-like structures anchor motile cilia.. *Nature Communications*, **2022**, 13, 2056 17.4 1

1 Group Pruning Using a Bounded-(ell_p) Norm for Group Gating and Regularization. *Lecture Notes in Computer Science*, **2019**, 139-155 0.9