Thomas Brox

List of Publications by Year
in descending order

20 papers	28,444 citations	1162889 8 h-index	1281743 11 g-index
20 all docs	20 docs citations	20 times ranked	23804 citing authors

#	Article	IF	Citations
1	Explainable AI for CNN-based prostate tumor segmentation in multi-parametric MRI correlated to whole mount histopathology. Radiation Oncology, 2022, 17, 65.	1.2	20
2	Microridge-like structures anchor motile cilia. Nature Communications, 2022, 13, 2056.	5.8	13
3	3D pose estimation enables virtual head fixation in freely moving rats. Neuron, 2022, 110, 2080-2093.e10.	3.8	13
4	Semi-Supervised Semantic Segmentation With High- and Low-Level Consistency. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1369-1379.	9.7	179
5	Automated Boxwood Topiary Trimming with a Robotic Arm and Integrated Stereo Vision. , 2019, , .		4
6	Group Pruning Using a Bounded- $$\ell _p$$ â„" p Norm for Group Gating and Regularization. Lecture Notes in Computer Science, 2019, , 139-155.	1.0	1
7	Artistic Style Transfer for Videos and Spherical Images. International Journal of Computer Vision, 2018, 126, 1199-1219.	10.9	88
8	3D Human Pose Estimation in RGBD Images for Robotic Task Learning. , 2018, , .		97
9	Box2Pix: Single-Shot Instance Segmentation by Assigning Pixels to Object Boxes. , 2018, , .		45
10	Global, Dense Multiscale Reconstruction for a Billion Points. International Journal of Computer Vision, 2017, 125, 82-94.	10.9	18
11	Spatiotemporal Deformable Prototypes for Motion Anomaly Detection. International Journal of Computer Vision, 2017, 122, 502-523.	10.9	4
12	Semantics-aware visual localization under challenging perceptual conditions. , 2017, , .		82
13	Efficient deep models for monocular road segmentation. , 2016, , .		146
14	Deep learning for human part discovery in images. , 2016, , .		57
15	Microcracks in Silicon Wafers I: Inline Detection and Implications of Crack Morphology on Wafer Strength. IEEE Journal of Photovoltaics, 2016, 6, 126-135.	1.5	38
16	Learning to generate chairs with convolutional neural networks. , 2015, , .		369
17	U-Net: Convolutional Networks for Biomedical Image Segmentation. Lecture Notes in Computer Science, 2015, , 234-241.	1.0	27,139
18	Rotation-Invariant HOG Descriptors Using Fourier Analysis in Polar and Spherical Coordinates. International Journal of Computer Vision, 2014, 106, 342-364.	10.9	119

#	Article	IF	Citations
19	Blind Deconvolution of Widefield Fluorescence Microscopic Data by Regularization of the Optical Transfer Function (OTF). , 2013, , .		9
20	Blind deconvolution with PSF regularization for wide-field microscopy. , 2012, , .		3