

# Thomas Brox

## List of Publications by Year in Descending Order

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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.

10  
papers

15,049  
citations

8  
h-index

15  
g-index

15  
ext. papers

21,211  
ext. citations

10.2  
avg, IF

7.41  
L-index

#	Paper	IF	Citations
10	Microridge-like structures anchor motile cilia.. <i>Nature Communications</i> , <b>2022</b> , 13, 2056	17.4	1
9	Deep learning is widely applicable to phenotyping embryonic development and disease. <i>Development (Cambridge)</i> , <b>2021</b> , 148,	6.6	2
8	U-Net: deep learning for cell counting, detection, and morphometry. <i>Nature Methods</i> , <b>2019</b> , 16, 67-70	21.6	636
7	An objective comparison of cell-tracking algorithms. <i>Nature Methods</i> , <b>2017</b> , 14, 1141-1152	21.6	242
6	3D U-Net: Learning Dense Volumetric Segmentation from Sparse Annotation. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 424-432	0.9	1247
5	U-Net: Convolutional Networks for Biomedical Image Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 234-241	0.9	11746
4	Large displacement optical flow: descriptor matching in variational motion estimation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2011</b> , 33, 500-13	13.3	847
3	Variational Motion Segmentation with Level Sets. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 471-483	0.9	31
2	Highly Accurate Optic Flow Computation with Theoretically Justified Warping. <i>International Journal of Computer Vision</i> , <b>2006</b> , 67, 141-158	10.6	286
1	FreiPose: A Deep Learning Framework for Precise Animal Motion Capture in 3D Spaces		8