Thomas Brox

List of Publications by Year in Descending Order

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