

# Timo Kohlberger

## 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.

12  
papers

767  
citations

11  
h-index

12  
g-index

12  
ext. papers

930  
ext. citations

7.8  
avg, IF

3.74  
L-index

#	Paper	IF	Citations
12	Shape statistics in kernel space for variational image segmentation. <i>Pattern Recognition</i> , <b>2003</b> , 36, 1929-1943	19.43	163
11	Artificial Intelligence-Based Breast Cancer Nodal Metastasis Detection: Insights Into the Black Box for Pathologists. <i>Archives of Pathology and Laboratory Medicine</i> , <b>2019</b> , 143, 859-868	5	133
10	A Multigrid Platform for Real-Time Motion Computation with Discontinuity-Preserving Variational Methods. <i>International Journal of Computer Vision</i> , <b>2006</b> , 70, 257-277	10.6	117
9	Variational optical flow computation in real time. <i>IEEE Transactions on Image Processing</i> , <b>2005</b> , 14, 608-618	8.7	105
8	An augmented reality microscope with real-time artificial intelligence integration for cancer diagnosis. <i>Nature Medicine</i> , <b>2019</b> , 25, 1453-1457	50.5	95
7	Nonlinear Shape Statistics in Mumford-Shah Based Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 93-108	0.9	39
6	Real-Time Optic Flow Computation with Variational Methods. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 222-229	0.9	30
5	Whole-Slide Image Focus Quality: Automatic Assessment and Impact on AI Cancer Detection. <i>Journal of Pathology Informatics</i> , <b>2019</b> , 10, 39	4.4	26
4	Variational Dense Motion Estimation Using the Helmholtz Decomposition. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 432-448	0.9	25
3	Domain decomposition for variational optical-flow computation. <i>IEEE Transactions on Image Processing</i> , <b>2005</b> , 14, 1125-37	8.7	13
2	Discontinuity-Preserving Computation of Variational Optic Flow in Real-Time. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 279-290	0.9	13
1	Nonlinear Shape Statistics via Kernel Spaces. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 269-276	0.9	8