

# Kevin C Smith

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5345376/publications.pdf>

Version: 2024-02-01

21  
papers

8,533  
citations

686830

13  
h-index

940134

16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

9122  
citing authors

#	ARTICLE	IF	CITATIONS
1	nucleAlzer: A Parameter-free Deep Learning Framework for Nucleus Segmentation Using Image Style Transfer. Cell Systems, 2020, 10, 453-458.e6.	2.9	163
2	A Role for the VPS Retromer in <i>Brucella</i> Intracellular Replication Revealed by Genomewide siRNA Screening. MSphere, 2019, 4, .	1.3	11
3	Intelligent image-based in situ single-cell isolation. Nature Communications, 2018, 9, 226.	5.8	72
4	Digital image analysis in breast pathologyâ€”from image processing techniques to artificial intelligence. Translational Research, 2018, 194, 19-35.	2.2	203
5	Deep learning is combined with massive-scale citizen science to improve large-scale image classification. Nature Biotechnology, 2018, 36, 820-828.	9.4	161
6	Advanced Cell Classifier: User-Friendly Machine-Learning-Based Software for Discovering Phenotypes in High-Content Imaging Data. Cell Systems, 2017, 4, 651-655.e5.	2.9	77
7	Computer vision profiling of neurite outgrowth dynamics reveals spatiotemporal modularity of Rho GTPase signaling. Journal of Cell Biology, 2016, 212, 91-111.	2.3	17
8	Learning Structured Models for Segmentation of 2-D and 3-D Imagery. IEEE Transactions on Medical Imaging, 2015, 34, 1096-1110.	5.4	27
9	CIDRE: an illumination-correction method for optical microscopy. Nature Methods, 2015, 12, 404-406.	9.0	129
10	Structured Image Segmentation Using Kernelized Features. Lecture Notes in Computer Science, 2012, , 400-413.	1.0	40
11	SLIC Superpixels Compared to State-of-the-Art Superpixel Methods. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 2274-2282.	9.7	7,142
12	Supervoxel-Based Segmentation of Mitochondria in EM Image Stacks With Learned Shape Features. IEEE Transactions on Medical Imaging, 2012, 31, 474-486.	5.4	197
13	Are spatial and global constraints really necessary for segmentation?. , 2011, , .		39
14	A Fully Automated Approach to Segmentation of Irregularly Shaped Cellular Structures in EM Images. Lecture Notes in Computer Science, 2010, 13, 463-471.	1.0	63
15	Fast Ray features for learning irregular shapes. , 2009, , .		40
16	Tracking the Visual Focus of Attention for a Varying Number of Wandering People. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1212-1229.	9.7	99
17	General constraints for batch Multiple-Target Tracking applied to large-scale videomicroscopy. , 2008, , .		20
18	Tracking the multi person wandering visual focus of attention. , 2006, , .		24

#	ARTICLE	IF	CITATIONS
19	Audio-Visual Processing in Meetings: Seven Questions and Current AMI Answers. Lecture Notes in Computer Science, 2006, , 24-35.	1.0	5
20	2D Multi-person Tracking: A Comparative Study in AMI Meetings. , 2006, , 331-344.		1
21	Real-time 3D hand tracking in a virtual environment. , 2003, , .		0