Kevin C Smith

List of Publications by Year
in descending order

21 papers	8,533 citations	687363 13 h-index	940533 16 g-index
23 all docs	23 docs citations	23 times ranked	9122 citing authors

#	Article	IF	Citations
1	SLIC Superpixels Compared to State-of-the-Art Superpixel Methods. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 2274-2282.	13.9	7,142
2	Digital image analysis in breast pathology—from image processing techniques to artificial intelligence. Translational Research, 2018, 194, 19-35.	5.0	203
3	Supervoxel-Based Segmentation of Mitochondria in EM Image Stacks With Learned Shape Features. IEEE Transactions on Medical Imaging, 2012, 31, 474-486.	8.9	197
4	nucleAIzer: A Parameter-free Deep Learning Framework for Nucleus Segmentation Using Image Style Transfer. Cell Systems, 2020, 10, 453-458.e6.	6.2	163
5	Deep learning is combined with massive-scale citizen science to improve large-scale image classification. Nature Biotechnology, 2018, 36, 820-828.	17.5	161
6	CIDRE: an illumination-correction method for optical microscopy. Nature Methods, 2015, 12, 404-406.	19.0	129
7	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.	13.9	99
8	Advanced Cell Classifier: User-Friendly Machine-Learning-Based Software for Discovering Phenotypes in High-Content Imaging Data. Cell Systems, 2017, 4, 651-655.e5.	6.2	77
9	Intelligent image-based in situ single-cell isolation. Nature Communications, 2018, 9, 226.	12.8	72
10	A Fully Automated Approach to Segmentation of Irregularly Shaped Cellular Structures in EM Images. Lecture Notes in Computer Science, 2010, 13, 463-471.	1.3	63
11	Fast Ray features for learning irregular shapes. , 2009, , .		40
12	Structured Image Segmentation Using Kernelized Features. Lecture Notes in Computer Science, 2012, , 400-413.	1.3	40
13	Are spatial and global constraints really necessary for segmentation?. , 2011, , .		39
14	Learning Structured Models for Segmentation of 2-D and 3-D Imagery. IEEE Transactions on Medical Imaging, 2015, 34, 1096-1110.	8.9	27
15	Tracking the multi person wandering visual focus of attention. , 2006, , .		24
16	General constraints for batch Multiple-Target Tracking applied to large-scale videomicroscopy. , 2008, , .		20
17	Computer vision profiling of neurite outgrowth dynamics reveals spatiotemporal modularity of Rho GTPase signaling. Journal of Cell Biology, 2016, 212, 91-111.	5.2	17
18	A Role for the VPS Retromer in <i>Brucella</i> Intracellular Replication Revealed by Genomewide siRNA Screening. MSphere, 2019, 4, .	2.9	11

#	Article	IF	Citations
19	Audio-Visual Processing in Meetings: Seven Questions and Current AMI Answers. Lecture Notes in Computer Science, 2006, , 24-35.	1.3	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