

# Kevin Smith

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10681512/publications.pdf>

Version: 2024-02-01

19  
papers

8,412  
citations

623734

14  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

8864  
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 pathologyâ€”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	CIDRE: an illumination-correction method for optical microscopy. Nature Methods, 2015, 12, 404-406.	19.0	129
5	Toward robust mammography-based models for breast cancer risk. Science Translational Medicine, 2021, 13, .	12.4	100
6	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
7	Comparison of a Deep Learning Risk Score and Standard Mammographic Density Score for Breast Cancer Risk Prediction. Radiology, 2020, 294, 265-272.	7.3	98
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	Phenotypic Image Analysis Software Tools for Exploring and Understanding Big Image Data from Cell-Based Assays. Cell Systems, 2018, 6, 636-653.	6.2	74
10	Intelligent image-based in situ single-cell isolation. Nature Communications, 2018, 9, 226.	12.8	72
11	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
12	Fast Ray features for learning irregular shapes. , 2009, , .		40
13	Active Learning Strategies for Phenotypic Profiling of High-Content Screens. Journal of Biomolecular Screening, 2014, 19, 685-695.	2.6	32
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	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
17	A Role for the VPS Retromer in <i>Brucella</i> Intracellular Replication Revealed by Genomewide siRNA Screening. MSphere, 2019, 4, .	2.9	11
18	Decoupling Inherent Risk and Early Cancer Signs in Image-Based Breast Cancer Risk Models. Lecture Notes in Computer Science, 2020, , 230-240.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Computer vision profiling of neurite outgrowth dynamics reveals spatiotemporal modularity of Rho GTPase signaling. <i>Journal of Experimental Medicine</i> , 2016, 213, 2131OIA128.	8.5	0