Kevin Smith

List of Publications by Year
in descending order

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

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19 papers	8,412 citations	623188 14 h-index	940134 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.	9.7	7,142
2	Digital image analysis in breast pathologyâ€"from image processing techniques to artificial intelligence. Translational Research, 2018, 194, 19-35.	2.2	203
3	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
4	CIDRE: an illumination-correction method for optical microscopy. Nature Methods, 2015, 12, 404-406.	9.0	129
5	Toward robust mammography-based models for breast cancer risk. Science Translational Medicine, 2021, 13, .	5.8	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.	9.7	99
7	Comparison of a Deep Learning Risk Score and Standard Mammographic Density Score for Breast Cancer Risk Prediction. Radiology, 2020, 294, 265-272.	3.6	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.	2.9	77
9	Phenotypic Image Analysis Software Tools for Exploring and Understanding Big Image Data from Cell-Based Assays. Cell Systems, 2018, 6, 636-653.	2.9	74
10	Intelligent image-based in situ single-cell isolation. Nature Communications, 2018, 9, 226.	5.8	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.	1.0	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.	5.4	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.	2.3	17
17	A Role for the VPS Retromer in Brucella Intracellular Replication Revealed by Genomewide siRNA Screening. MSphere, 2019, 4, .	1.3	11
18	Decoupling Inherent Risk and Early Cancer Signs in Image-Based Breast Cancer Risk Models. Lecture Notes in Computer Science, 2020, , 230-240.	1.0	7

#	Article	IF	Citations
19	Computer vision profiling of neurite outgrowth dynamics reveals spatiotemporal modularity of Rho GTPase signaling. Journal of Experimental Medicine, 2016, 213, 2131OIA128.	4.2	0