Curtis T Rueden

List of Publications by Year
in descending order

33 papers	**59,499** citations	430874 **18** h-index	477307 **29** g-index
34 all docs	**34** docs citations	**34** times ranked	**103432** citing authors

#	Article	IF	Citations
1	The <scp>ImageJ</scp> ecosystem: Open‑source software for image visualization, processing, and analysis. Protein Science, 2021, 30, 234-249.	7.6	102
2	New Extensibility and Scripting Tools in the ImageJ Ecosystem. Current Protocols, 2021, 1, e204.	2.9	3
3	Integration of the ImageJ Ecosystem in KNIME Analytics Platform. Frontiers in Computer Science, 2020, 2, .	2.8	24
4	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis. PLoS ONE, 2020, 15, e0238327.	2.5	23
5	ImageJ for the Next Generation of Scientific Image Data. Microscopy and Microanalysis, 2019, 25, 142-143.	0.4	21
6	Scientific Community Image Forum: A discussion forum for scientific image software. PLoS Biology, 2019, 17, e3000340.	5.6	27
7	Assessing microscope image focus quality with deep learning. BMC Bioinformatics, 2018, 19, 77.	2.6	109
8	FunImageJ: a Lisp framework for scientific image processing. Bioinformatics, 2018, 34, 899-900.	4.1	7
9	ImageJ-MATLAB: a bidirectional framework for scientific image analysis interoperability. Bioinformatics, 2017, 33, 629-630.	4.1	35
10	Quantitating the cell: turning images into numbers with <scp>ImageJ</scp>. Wiley Interdisciplinary Reviews: Developmental Biology, 2017, 6, e260.	5.9	108
11	Trainable Weka Segmentation: a machine learning tool for microscopy pixel classification. Bioinformatics, 2017, 33, 2424-2426.	4.1	1,505
12	ImageJ2: ImageJ for the next generation of scientific image data. BMC Bioinformatics, 2017, 18, 529.	2.6	4,464
13	The ImageJ Ecosystem: An Open and Extensible Platform for Biomedical Image Analysis.. Microscopy and Microanalysis, 2017, 23, 226-227.	0.4	12
14	ImageJ: Image Analysis Interoperability for the Next Generation of Biological Image Data. Microscopy and Microanalysis, 2016, 22, 2066-2067.	0.4	3
15	SCIFIO: an extensible framework to support scientific image formats. BMC Bioinformatics, 2016, 17, 521.	2.6	25
16	The ImageJ ecosystem: An open platform for biomedical image analysis. Molecular Reproduction and Development, 2015, 82, 518-529.	2.0	2,029
17	Noninvasive sorting of stem cell aggregates based on intrinsic markers. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 353-358.	1.5	4
18	Open Source BioImage Informatics: Tools for Interoperability. Microscopy and Microanalysis, 2013, 19, 754-755.	0.4	0

#	Article	IF	Citations
19	Fiji: an open-source platform for biological-image analysis. Nature Methods, 2012, 9, 676-682.	19.0	47,818
20	Multiphoton Flow Cytometry to Assess Intrinsic and Extrinsic Fluorescence in Cellular Aggregates: Applications to Stem Cells. Microscopy and Microanalysis, 2011, 17, 540-554.	0.4	18
21	Improved structure, function and compatibility for CellProfiler: modular high-throughput image analysis software. Bioinformatics, 2011, 27, 1179-1180.	4.1	948
22	Metadata matters: access to image data in the real world. Journal of Cell Biology, 2010, 189, 777-782.	5.2	858
23	Nonlinear optical microscopy and computational analysis of intrinsic signatures in breast cancer. , 2009, 2009, 4077-80.		12
24	The Open Microscopy Environment: Informatics and Quantitative Analysis for Biological Microscopy. Microscopy and Microanalysis, 2009, 15, 1520-1521.	0.4	0
25	Collagen density promotes mammary tumor initiation and progression. BMC Medicine, 2008, 6, 11.	5.5	1,129
26	Nonlinear optical imaging and spectral-lifetime computational analysis of endogenous and exogenous fluorophores in breast cancer. Journal of Biomedical Optics, 2008, 13, 031220.	2.6	52
27	Visualization approaches for multidimensional biological image data. BioTechniques, 2007, 43, S31-S36.	1.8	40
28	Applications of combined spectral lifetime microscopy for biology. BioTechniques, 2006, 41, 249-257.	1.8	32
29	VisBio: a Flexible Open-Source Visualization Package for Multidimensional Image Data. Microscopy Today, 2006, 14, 6-11.	0.3	0
30	Tools for Visualizing Multidimensional Images from Living Specimens. Photochemistry and Photobiology, 2005, 81, 1116.	2.5	33
31	Java distributed components for numerical visualization in VisAD. Communications of the ACM, 2005, 48, 98-104.	4.5	15
32	VisBio: A Computational Tool for Visualization of Multidimensional Biological Image Data. Traffic, 2004, 5, 411-417.	2.7	33
33	Analysis of Multidimensional Biological Image Data. BioTechniques, 2002, 33, 1268-1273.	1.8	9