

# Curtis T Rueden

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

59,499  
citations

430442

18  
h-index

476904

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

103432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiji: an open-source platform for biological-image analysis. <i>Nature Methods</i> , 2012, 9, 676-682.	9.0	47,818
2	ImageJ2: ImageJ for the next generation of scientific image data. <i>BMC Bioinformatics</i> , 2017, 18, 529.	1.2	4,464
3	The ImageJ ecosystem: An open platform for biomedical image analysis. <i>Molecular Reproduction and Development</i> , 2015, 82, 518-529.	1.0	2,029
4	Trainable Weka Segmentation: a machine learning tool for microscopy pixel classification. <i>Bioinformatics</i> , 2017, 33, 2424-2426.	1.8	1,505
5	Collagen density promotes mammary tumor initiation and progression. <i>BMC Medicine</i> , 2008, 6, 11.	2.3	1,129
6	Improved structure, function and compatibility for CellProfiler: modular high-throughput image analysis software. <i>Bioinformatics</i> , 2011, 27, 1179-1180.	1.8	948
7	Metadata matters: access to image data in the real world. <i>Journal of Cell Biology</i> , 2010, 189, 777-782.	2.3	858
8	Assessing microscope image focus quality with deep learning. <i>BMC Bioinformatics</i> , 2018, 19, 77.	1.2	109
9	Quantitating the cell: turning images into numbers with <scp>ImageJ</scp>. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2017, 6, e260.	5.9	108
10	The <scp>ImageJ</scp> ecosystem: Open-source software for image visualization, processing, and analysis. <i>Protein Science</i> , 2021, 30, 234-249.	3.1	102
11	Nonlinear optical imaging and spectral-lifetime computational analysis of endogenous and exogenous fluorophores in breast cancer. <i>Journal of Biomedical Optics</i> , 2008, 13, 031220.	1.4	52
12	Visualization approaches for multidimensional biological image data. <i>BioTechniques</i> , 2007, 43, S31-S36.	0.8	40
13	ImageJ-MATLAB: a bidirectional framework for scientific image analysis interoperability. <i>Bioinformatics</i> , 2017, 33, 629-630.	1.8	35
14	VisBio: A Computational Tool for Visualization of Multidimensional Biological Image Data. <i>Traffic</i> , 2004, 5, 411-417.	1.3	33
15	Tools for Visualizing Multidimensional Images from Living Specimens. <i>Photochemistry and Photobiology</i> , 2005, 81, 1116.	1.3	33
16	Applications of combined spectral lifetime microscopy for biology. <i>BioTechniques</i> , 2006, 41, 249-257.	0.8	32
17	Scientific Community Image Forum: A discussion forum for scientific image software. <i>PLoS Biology</i> , 2019, 17, e3000340.	2.6	27
18	SCIFIO: an extensible framework to support scientific image formats. <i>BMC Bioinformatics</i> , 2016, 17, 521.	1.2	25

#	ARTICLE	IF	CITATIONS
19	Integration of the ImageJ Ecosystem in KNIME Analytics Platform. <i>Frontiers in Computer Science</i> , 2020, 2, .	1.7	24
20	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis. <i>PLoS ONE</i> , 2020, 15, e0238327.	1.1	23
21	ImageJ for the Next Generation of Scientific Image Data. <i>Microscopy and Microanalysis</i> , 2019, 25, 142-143.	0.2	21
22	Multiphoton Flow Cytometry to Assess Intrinsic and Extrinsic Fluorescence in Cellular Aggregates: Applications to Stem Cells. <i>Microscopy and Microanalysis</i> , 2011, 17, 540-554.	0.2	18
23	Java distributed components for numerical visualization in VisAD. <i>Communications of the ACM</i> , 2005, 48, 98-104.	3.3	15
24	Nonlinear optical microscopy and computational analysis of intrinsic signatures in breast cancer. , 2009, 2009, 4077-80.		12
25	The ImageJ Ecosystem: An Open and Extensible Platform for Biomedical Image Analysis.. <i>Microscopy and Microanalysis</i> , 2017, 23, 226-227.	0.2	12
26	Analysis of Multidimensional Biological Image Data. <i>BioTechniques</i> , 2002, 33, 1268-1273.	0.8	9
27	FunImageJ: a Lisp framework for scientific image processing. <i>Bioinformatics</i> , 2018, 34, 899-900.	1.8	7
28	Noninvasive sorting of stem cell aggregates based on intrinsic markers. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 353-358.	1.1	4
29	ImageJ: Image Analysis Interoperability for the Next Generation of Biological Image Data. <i>Microscopy and Microanalysis</i> , 2016, 22, 2066-2067.	0.2	3
30	New Extensibility and Scripting Tools in the ImageJ Ecosystem. <i>Current Protocols</i> , 2021, 1, e204.	1.3	3
31	VisBio: a Flexible Open-Source Visualization Package for Multidimensional Image Data. <i>Microscopy Today</i> , 2006, 14, 6-11.	0.2	0
32	The Open Microscopy Environment: Informatics and Quantitative Analysis for Biological Microscopy. <i>Microscopy and Microanalysis</i> , 2009, 15, 1520-1521.	0.2	0
33	Open Source BioImage Informatics: Tools for Interoperability. <i>Microscopy and Microanalysis</i> , 2013, 19, 754-755.	0.2	0