

Anne E Carpenter

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164
papers

18,858
citations

61
h-index

137
g-index

190
ext. papers

23,708
ext. citations

11.3
avg, IF

6.52
L-index

#	Paper	IF	Citations
164	CellProfiler: image analysis software for identifying and quantifying cell phenotypes. <i>Genome Biology</i> , 2006 , 7, R100	18.3	3203
163	A lentiviral RNAi library for human and mouse genes applied to an arrayed viral high-content screen. <i>Cell</i> , 2006 , 124, 1283-98	56.2	1340
162	Opportunities and obstacles for deep learning in biology and medicine. <i>Journal of the Royal Society Interface</i> , 2018 , 15,	4.1	780
161	CellProfiler 3.0: Next-generation image processing for biology. <i>PLoS Biology</i> , 2018 , 16, e2005970	9.7	775
160	mTOR complex 1 regulates lipin 1 localization to control the SREBP pathway. <i>Cell</i> , 2011 , 146, 408-20	56.2	774
159	Improved structure, function and compatibility for CellProfiler: modular high-throughput image analysis software. <i>Bioinformatics</i> , 2011 , 27, 1179-80	7.2	741
158	CellProfiler: free, versatile software for automated biological image analysis. <i>BioTechniques</i> , 2007 , 42, 71-5	2.5	633
157	Long-range directional movement of an interphase chromosome site. <i>Current Biology</i> , 2006 , 16, 825-31	6.3	444
156	In germ cells of mouse embryonic ovaries, the decision to enter meiosis precedes premeiotic DNA replication. <i>Nature Genetics</i> , 2006 , 38, 1430-4	36.3	390
155	Biological imaging software tools. <i>Nature Methods</i> , 2012 , 9, 697-710	21.6	377
154	CellProfiler Analyst: data exploration and analysis software for complex image-based screens. <i>BMC Bioinformatics</i> , 2008 , 9, 482	3.6	375
153	An algorithm-based topographical biomaterials library to instruct cell fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16565-70	11.5	310
152	Data-analysis strategies for image-based cell profiling. <i>Nature Methods</i> , 2017 , 14, 849-863	21.6	291
151	Scoring diverse cellular morphologies in image-based screens with iterative feedback and machine learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 1826-31	11.5	290
150	Cell Painting, a high-content image-based assay for morphological profiling using multiplexed fluorescent dyes. <i>Nature Protocols</i> , 2016 , 11, 1757-74	18.8	286
149	Systematic genome-wide screens of gene function. <i>Nature Reviews Genetics</i> , 2004 , 5, 11-22	30.1	261
148	Annotated high-throughput microscopy image sets for validation. <i>Nature Methods</i> , 2012 , 9, 637	21.6	230

147	The bromodomain protein Brd4 insulates chromatin from DNA damage signalling. <i>Nature</i> , 2013 , 498, 246-50	50.4	214
146	Identification of small molecules for human hepatocyte expansion and iPS differentiation. <i>Nature Chemical Biology</i> , 2013 , 9, 514-20	11.7	201
145	Cell microarrays and RNA interference chip away at gene function. <i>Nature Genetics</i> , 2005 , 37 Suppl, S25-30.3	30.3	193
144	Visualization of image data from cells to organisms. <i>Nature Methods</i> , 2010 , 7, S26-41	21.6	189
143	Identification of host-targeted small molecules that restrict intracellular Mycobacterium tuberculosis growth. <i>PLoS Pathogens</i> , 2014 , 10, e1003946	7.6	172
142	The Spemann organizer gene, Goosecoid, promotes tumor metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 18969-74	11.5	172
141	Abnormalities in mitochondrial structure in cells from patients with bipolar disorder. <i>American Journal of Pathology</i> , 2010 , 177, 575-85	5.8	170
140	High-throughput screen for novel antimicrobials using a whole animal infection model. <i>ACS Chemical Biology</i> , 2009 , 4, 527-33	4.9	167
139	Nucleus segmentation across imaging experiments: the 2018 Data Science Bowl. <i>Nature Methods</i> , 2019 , 16, 1247-1253	21.6	165
138	BRCA1-induced large-scale chromatin unfolding and allele-specific effects of cancer-predisposing mutations. <i>Journal of Cell Biology</i> , 2001 , 155, 911-21	7.3	164
137	Human tumors instigate granulysin-expressing hematopoietic cells that promote malignancy by activating stromal fibroblasts in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 784-99	15.9	161
136	Label-free cell cycle analysis for high-throughput imaging flow cytometry. <i>Nature Communications</i> , 2016 , 7, 10256	17.4	156
135	A microscale human liver platform that supports the hepatic stages of Plasmodium falciparum and vivax. <i>Cell Host and Microbe</i> , 2013 , 14, 104-15	23.4	152
134	In vivo HP1 targeting causes large-scale chromatin condensation and enhanced histone lysine methylation. <i>Molecular and Cellular Biology</i> , 2005 , 25, 4552-64	4.8	147
133	Toward performance-diverse small-molecule libraries for cell-based phenotypic screening using multiplexed high-dimensional profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10911-6	11.5	141
132	Reconstructing cell cycle and disease progression using deep learning. <i>Nature Communications</i> , 2017 , 8, 463	17.4	136
131	Increasing the Content of High-Content Screening: An Overview. <i>Journal of Biomolecular Screening</i> , 2014 , 19, 640-50		136
130	Multiplex cytological profiling assay to measure diverse cellular states. <i>PLoS ONE</i> , 2013 , 8, e80999	3.7	136

129	Ligand-mediated assembly and real-time cellular dynamics of estrogen receptor alpha-coactivator complexes in living cells. <i>Molecular and Cellular Biology</i> , 2001 , 21, 4404-12	4.8	129
128	Genetic architecture of Hsp90-dependent drug resistance. <i>Eukaryotic Cell</i> , 2006 , 5, 2184-8		126
127	Image-based chemical screening. <i>Nature Chemical Biology</i> , 2007 , 3, 461-5	11.7	124
126	RNAi living-cell microarrays for loss-of-function screens in <i>Drosophila melanogaster</i> cells. <i>Nature Methods</i> , 2004 , 1, 127-32	21.6	123
125	Dynamic proteomics in individual human cells uncovers widespread cell-cycle dependence of nuclear proteins. <i>Nature Methods</i> , 2006 , 3, 525-31	21.6	117
124	Microarrays of lentiviruses for gene function screens in immortalized and primary cells. <i>Nature Methods</i> , 2006 , 3, 117-22	21.6	115
123	Large-scale chromatin structure and function. <i>Current Opinion in Cell Biology</i> , 1999 , 11, 307-11	9	114
122	Comparison of methods for image-based profiling of cellular morphological responses to small-molecule treatment. <i>Journal of Biomolecular Screening</i> , 2013 , 18, 1321-9		113
121	An image analysis toolbox for high-throughput <i>C. elegans</i> assays. <i>Nature Methods</i> , 2012 , 9, 714-6	21.6	112
120	Imagining the future of bioimage analysis. <i>Nature Biotechnology</i> , 2016 , 34, 1250-1255	44.5	108
119	Identification of regulators of polyploidization presents therapeutic targets for treatment of AMKL. <i>Cell</i> , 2012 , 150, 575-89	56.2	107
118	Evaluation of Deep Learning Strategies for Nucleus Segmentation in Fluorescence Images. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019 , 95, 952-965	4.6	106
117	Repurposing High-Throughput Image Assays Enables Biological Activity Prediction for Drug Discovery. <i>Cell Chemical Biology</i> , 2018 , 25, 611-618.e3	8.2	104
116	Niche-based screening identifies small-molecule inhibitors of leukemia stem cells. <i>Nature Chemical Biology</i> , 2013 , 9, 840-848	11.7	96
115	Voronoi-Based Segmentation of Cells on Image Manifolds. <i>Lecture Notes in Computer Science</i> , 2005 , 535-543	5.3	95
114	Increased expression of the immune modulatory molecule PD-L1 (CD274) in anaplastic meningioma. <i>Oncotarget</i> , 2015 , 6, 4704-16	3.3	92
113	A call for bioimaging software usability. <i>Nature Methods</i> , 2012 , 9, 666-70	21.6	92
112	Applications in image-based profiling of perturbations. <i>Current Opinion in Biotechnology</i> , 2016 , 39, 134-142	4.4	87

111	Alteration of large-scale chromatin structure by estrogen receptor. <i>Molecular and Cellular Biology</i> , 2002 , 22, 3437-49	4.8	85
110	ZFHX4 interacts with the NuRD core member CHD4 and regulates the glioblastoma tumor-initiating cell state. <i>Cell Reports</i> , 2014 , 6, 313-24	10.6	77
109	Introduction to the quantitative analysis of two-dimensional fluorescence microscopy images for cell-based screening. <i>PLoS Computational Biology</i> , 2009 , 5, e1000603	5	75
108	CellProfiler Analyst: interactive data exploration, analysis and classification of large biological image sets. <i>Bioinformatics</i> , 2016 , 32, 3210-3212	7.2	72
107	Diagnostic Potential of Imaging Flow Cytometry. <i>Trends in Biotechnology</i> , 2018 , 36, 649-652	15.1	70
106	Workflow and metrics for image quality control in large-scale high-content screens. <i>Journal of Biomolecular Screening</i> , 2012 , 17, 266-74		68
105	Systematic morphological profiling of human gene and allele function via Cell Painting. <i>ELife</i> , 2017 , 6,	8.9	65
104	Distinctive actions of membrane-targeted versus nuclear localized estrogen receptors in breast cancer cells. <i>Molecular Endocrinology</i> , 2005 , 19, 1606-17		62
103	A dataset of images and morphological profiles of 30 000 small-molecule treatments using the Cell Painting assay. <i>GigaScience</i> , 2017 , 6, 1-5	7.6	59
102	Systematic, multiparametric analysis of Mycobacterium tuberculosis intracellular infection offers insight into coordinated virulence. <i>PLoS Pathogens</i> , 2017 , 13, e1006363	7.6	59
101	An open-source solution for advanced imaging flow cytometry data analysis using machine learning. <i>Methods</i> , 2017 , 112, 201-210	4.6	56
100	Common effects of acidic activators on large-scale chromatin structure and transcription. <i>Molecular and Cellular Biology</i> , 2005 , 25, 958-68	4.8	56
99	Mining for osteogenic surface topographies: In silico design to in vivo osseointegration. <i>Biomaterials</i> , 2017 , 137, 49-60	15.6	49
98	Pipeline for illumination correction of images for high-throughput microscopy. <i>Journal of Microscopy</i> , 2014 , 256, 231-6	1.9	47
97	Small molecules discovered in a pathway screen target the Rho pathway in cytokinesis. <i>Nature Chemical Biology</i> , 2010 , 6, 457-63	11.7	47
96	Discovery of New Anti-Schistosomal Hits by Integration of QSAR-Based Virtual Screening and High Content Screening. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 7075-88	8.3	47
95	Regulation of nuclear receptor transcriptional activity by a novel DEAD box RNA helicase (DP97). <i>Journal of Biological Chemistry</i> , 2003 , 278, 4628-38	5.4	45
94	Opportunities and obstacles for deep learning in biology and medicine		45

93	Using CellProfiler for Automatic Identification and Measurement of Biological Objects in Images. <i>Current Protocols in Molecular Biology</i> , 2015 , 109, 14.17.1-14.17.13	2.9	44
92	Image-based profiling for drug discovery: due for a machine-learning upgrade?. <i>Nature Reviews Drug Discovery</i> , 2021 , 20, 145-159	64.1	43
91	CP-CHARM: segmentation-free image classification made accessible. <i>BMC Bioinformatics</i> , 2016 , 17, 51	3.6	42
90	A chemical screen probing the relationship between mitochondrial content and cell size. <i>PLoS ONE</i> , 2012 , 7, e33755	3.7	41
89	Visualization of parameter space for image analysis. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2011 , 17, 2402-11	4	40
88	A novel small molecule regulator of guanine nucleotide exchange activity of the ADP-ribosylation factor and golgi membrane trafficking. <i>Journal of Biological Chemistry</i> , 2008 , 283, 31087-96	5.4	39
87	QSAR-Driven Discovery of Novel Chemical Scaffolds Active against <i>Schistosoma mansoni</i> . <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 1357-72	6.1	38
86	High- and low-throughput scoring of fat mass and body fat distribution in <i>C. elegans</i> . <i>Methods</i> , 2014 , 68, 492-9	4.6	37
85	Applying Faster R-CNN for Object Detection on Malaria Images.. <i>IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops</i> , 2017 , 2017, 808-813	1.3	36
84	CellProfiler 4: improvements in speed, utility and usability. <i>BMC Bioinformatics</i> , 2021 , 22, 433	3.6	36
83	Pharmacological HIF2 α inhibition improves VHL disease-associated phenotypes in zebrafish model. <i>Journal of Clinical Investigation</i> , 2015 , 125, 1987-97	15.9	34
82	Label-Free Identification of White Blood Cells Using Machine Learning. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019 , 95, 836-842	4.6	33
81	High content image analysis identifies novel regulators of synaptogenesis in a high-throughput RNAi screen of primary neurons. <i>PLoS ONE</i> , 2014 , 9, e91744	3.7	32
80	Genome-scale RNAi on living-cell microarrays identifies novel regulators of <i>Drosophila melanogaster</i> TORC1-S6K pathway signaling. <i>Genome Research</i> , 2011 , 21, 433-46	9.7	31
79	Quality Control for High-Throughput Imaging Experiments Using Machine Learning in Cellprofiler. <i>Methods in Molecular Biology</i> , 2018 , 1683, 89-112	1.4	28
78	Automating Morphological Profiling with Generic Deep Convolutional Networks		27
77	Leveraging machine vision in cell-based diagnostics to do more with less. <i>Nature Materials</i> , 2019 , 18, 414-418	27	26
76	Nanoparticle vesicle encoding for imaging and tracking cell populations. <i>Nature Methods</i> , 2014 , 11, 1177-816	28.6	26

75	Extracting rich information from images. <i>Methods in Molecular Biology</i> , 2009 , 486, 193-211	1.4	26
74	RESOLVING CLUSTERED WORMS VIA PROBABILISTIC SHAPE MODELS 2010 , 2010, 552-555	1.5	25
73	Quantifying co-cultured cell phenotypes in high-throughput using pixel-based classification. <i>Methods</i> , 2016 , 96, 6-11	4.6	24
72	CellProfiler Tracer: exploring and validating high-throughput, time-lapse microscopy image data. <i>BMC Bioinformatics</i> , 2015 , 16, 368	3.6	24
71	Using CellProfiler for automatic identification and measurement of biological objects in images. <i>Current Protocols in Molecular Biology</i> , 2008 , Chapter 14, Unit 14.17	2.9	24
70	Morphological Profiles of RNAi-Induced Gene Knockdown Are Highly Reproducible but Dominated by Seed Effects. <i>PLoS ONE</i> , 2015 , 10, e0131370	3.7	24
69	High-throughput screens for fluorescent dye discovery. <i>Trends in Biotechnology</i> , 2008 , 26, 527-30	15.1	22
68	Objective assessment of stored blood quality by deep learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 21381-21390	11.5	22
67	Label-Free Leukemia Monitoring by Computer Vision. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 407-414	4.6	21
66	Open-source deep-learning software for bioimage segmentation. <i>Molecular Biology of the Cell</i> , 2021 , 32, 823-829	3.5	21
65	An intermittent live cell imaging screen for siRNA enhancers and suppressors of a kinesin-5 inhibitor. <i>PLoS ONE</i> , 2009 , 4, e7339	3.7	20
64	A deep learning framework for nucleus segmentation using image style transfer		20
63	Predicting cell health phenotypes using image-based morphology profiling. <i>Molecular Biology of the Cell</i> , 2021 , 32, 995-1005	3.5	20
62	An open-source computational tool to automatically quantify immunolabeled retinal ganglion cells. <i>Experimental Eye Research</i> , 2016 , 147, 50-56	3.7	18
61	Weakly Supervised Learning of Single-Cell Feature Embeddings. <i>Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition</i> , 2018 , 2018, 9309-9318	6	18
60	A High-Content Screen Identifies TPP1 and Aurora B as Regulators of Axonal Mitochondrial Transport. <i>Cell Reports</i> , 2019 , 28, 3224-3237.e5	10.6	17
59	Ultrasome: efficient aberration caller for copy number studies of ultra-high resolution. <i>Bioinformatics</i> , 2009 , 25, 1078-9	7.2	17
58	Evaluation of Deep Learning Strategies for Nucleus Segmentation in Fluorescence Images		17

57	Capturing single-cell heterogeneity via data fusion improves image-based profiling. <i>Nature Communications</i> , 2019 , 10, 2082	17.4	16
56	Screening cellular feature measurements for image-based assay development. <i>Journal of Biomolecular Screening</i> , 2010 , 15, 840-6		16
55	CytoGAN: Generative Modeling of Cell Images		16
54	Keras R-CNN: library for cell detection in biological images using deep neural networks. <i>BMC Bioinformatics</i> , 2020 , 21, 300	3.6	15
53	The antidepressant drug paroxetine as a new lead candidate in schistosome drug discovery. <i>MedChemComm</i> , 2016 , 7, 1176-1182	5	12
52	Scientific Community Image Forum: A discussion forum for scientific image software. <i>PLoS Biology</i> , 2019 , 17, e3000340	9.7	10
51	Designed Surface Topographies Control ICAM-1 Expression in Tonsil-Derived Human Stromal Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018 , 6, 87	5.8	10
50	Weakly Supervised Learning of Single-Cell Feature Embeddings		10
49	DoGNet: A deep architecture for synapse detection in multiplexed fluorescence images. <i>PLoS Computational Biology</i> , 2019 , 15, e1007012	5	9
48	Artificial intelligence and cancer.. <i>Nature Cancer</i> , 2020 , 1, 149-152	15.4	9
47	On the correlation between material-induced cell shape and phenotypical response of human mesenchymal stem cells. <i>Scientific Reports</i> , 2020 , 10, 18988	4.9	9
46	BIN1 protein isoforms are differentially expressed in astrocytes, neurons, and microglia: neuronal and astrocyte BIN1 are implicated in tau pathology. <i>Molecular Neurodegeneration</i> , 2020 , 15, 44	19	9
45	High-Throughput Platform for Identifying Molecular Factors Involved in Phenotypic Stabilization of Primary Human Hepatocytes In Vitro. <i>Journal of Biomolecular Screening</i> , 2016 , 21, 897-911		7
44	ProtocolNavigator: emulation-based software for the design, documentation and reproduction biological experiments. <i>Bioinformatics</i> , 2014 , 30, 3440-2	7.2	7
43	Direct visualization of transcription factor-induced chromatin remodeling and cofactor recruitment in vivo. <i>Methods in Enzymology</i> , 2004 , 375, 366-81	1.7	7
42	CellProfiler Analyst 3.0: Accessible data exploration and machine learning for image analysis. <i>Bioinformatics</i> , 2021 ,	7.2	7
41	Predicting cell health phenotypes using image-based morphology profiling		6
40	Predicting compound activity from phenotypic profiles and chemical structures		6

39	High-Throughput, Automated Image Processing for Large-Scale Fluorescence Microscopy Experiments. <i>Microscopy and Microanalysis</i> , 2016 , 22, 538-539	0.5	6
38	Genes in human obesity loci are causal obesity genes in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2021 , 17, e1009736	6	6
37	CDy6, a photostable probe for long-term real-time visualization of mitosis and proliferating cells. <i>Chemistry and Biology</i> , 2015 , 22, 299-307		5
36	Correction for Unadkat et al., An algorithm-based topographical biomaterials library to instruct cell fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5905-5905 ^{11,5}		5
35	Automated microscopy identifies estrogen receptor subdomains with large-scale chromatin structure unfolding activity. <i>Cytometry</i> , 2004 , 58, 157-66		5
34	Functional immune mapping with deep-learning enabled phenomics applied to immunomodulatory and COVID-19 drug discovery		5
33	ImageJ and CellProfiler: Complements in Open-Source Bioimage Analysis. <i>Current Protocols</i> , 2021 , 1, e89		5
32	High-Dimensional Gene Expression and Morphology Profiles of Cells across 28,000 Genetic and Chemical Perturbations		5
31	Morphology and gene expression profiling provide complementary information for mapping cell state		4
30	Reconstructing cell cycle and disease progression using deep learning		4
29	A Genome-wide RNAi Screen for Microtubule Bundle Formation and Lysosome Motility Regulation in <i>Drosophila</i> S2 Cells. <i>Cell Reports</i> , 2016 , 14, 611-620	10.6	3
28	2020 BioImage Analysis Survey: Community experiences and needs for the future. 2022 , 1,		3
27	Capturing single-cell heterogeneity via data fusion improves image-based profiling		3
26	Identification and local delivery of vasodilators for the reduction of ureteral contractions. <i>Nature Biomedical Engineering</i> , 2020 , 4, 28-39	19	3
25	Developing open-source software for bioimage analysis: opportunities and challenges. <i>F1000Research</i> , 2021 , 10, 302	3.6	3
24	Deepometry, a framework for applying supervised and weakly supervised deep learning to imaging cytometry. <i>Nature Protocols</i> , 2021 , 16, 3572-3595	18.8	3
23	The new era of quantitative cell imaging-challenges and opportunities.. <i>Molecular Cell</i> , 2022 , 82, 241-247 ^{17,6}		2
22	Molecular Diversity of Glutamatergic and GABAergic Synapses from Multiplexed Fluorescence Imaging. <i>ENeuro</i> , 2021 , 8,	3.9	2

21	A field guide to cultivating computational biology. <i>PLoS Biology</i> , 2021 , 19, e3001419	9.7	2
20	Inter-laboratory automation of the in vitro micronucleus assay using imaging flow cytometry and deep learning. <i>Archives of Toxicology</i> , 2021 , 95, 3101-3115	5.8	2
19	Predicting drug polypharmacology from cell morphology readouts using variational autoencoder latent space arithmetic.. <i>PLoS Computational Biology</i> , 2022 , 18, e1009888	5	2
18	Automated image-based assay for evaluation of HIV neutralization and cell-to-cell fusion inhibition. <i>BMC Infectious Diseases</i> , 2014 , 14, 472	4	1
17	Automated tracking of yeast cell lineages 2010 ,		1
16	EXTRACTING BIOMEDICALLY IMPORTANT INFORMATION FROM LARGE, AUTOMATED IMAGING EXPERIMENTS 2011 , 1723-1726	1.5	1
15	Repurposed high-throughput images enable biological activity prediction for drug discovery		1
14	Cell Painting, an image-based assay for morphological profiling		1
13	High-content, label-free analysis of proplatelet production from megakaryocytes. <i>Journal of Thrombosis and Haemostasis</i> , 2020 , 18, 2701-2711	15.4	1
12	Resolving cell state in iPSC-derived human neural samples with multiplexed fluorescence imaging. <i>Communications Biology</i> , 2021 , 4, 786	6.7	1
11	CellProfiler 4: Improvements in Speed, Utility and Usability		1
10	Combining morphological and migration profiles of in vitro time-lapse data 2018 ,		1
9	Cell Painting predicts impact of lung cancer variants.. <i>Molecular Biology of the Cell</i> , 2022 , mbcE21110538,5	3.5	1
8	A Multiparametric Activity Profiling Platform for Neuron Disease Phenotyping and Drug Screening.. <i>Molecular Biology of the Cell</i> , 2021 , mbcE21100481	3.5	0
7	A New Image for Cell Sorting.. <i>New England Journal of Medicine</i> , 2022 , 386, 1755-1758	59.2	0
6	CellProfiler: Open-Source Software to Automatically Quantify Images. <i>Microscopy Today</i> , 2008 , 16, 38-39,4	0.4	
5	A Kinome shRNA Screen to Identify Pathways That Regulate Megakaryocyte Polyploidization and New Targets for Differentiation Therapy. <i>Blood</i> , 2010 , 116, 89-89	2.2	
4	Distinct Metabolic Dependency of Normal and Leukemic Cells in a Mouse Model. <i>Blood</i> , 2011 , 118, 759-759	5.9	

- 3 Niche-Based Screening Reveals Leukemia Stem Cell Specific Therapeutics. *Blood*, **2011**, 118, 760-760 2.2
- 2 Aldehyde Dehydrogenase 3a2 (Aldh3a2) Represents a Distinct Metabolic Vulnerability in MLL-AF9 AML Leukemia Initiating Cells. *Blood*, **2012**, 120, 208-208 2.2
- 1 A well-engineered path into cell biology and academia. *Molecular Biology of the Cell*, **2020**, 31, 2755-2756,5