Timm Schroeder

List of Publications by Year
in descending order

161	12,485	26630 56	29157 104
papers	citations	h-index	g-index

194	194	194	18496
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chronic interleukin-1 exposure drives haematopoietic stem cells towards precocious myeloid differentiation at the expense of self-renewal. Nature Cell Biology, 2016, 18, 607-618.	10.3	519
2	Continuous single-cell imaging of blood generation from haemogenic endothelium. Nature, 2009, 457, 896-900.	27.8	508
3	Exit from dormancy provokes DNA-damage-induced attrition in haematopoietic stem cells. Nature, 2015, 520, 549-552.	27.8	498
4	Directing Astroglia from the Cerebral Cortex into Subtype Specific Functional Neurons. PLoS Biology, 2010, 8, e1000373.	5.6	447
5	Hematopoietic Cytokines Can Instruct Lineage Choice. Science, 2009, 325, 217-218.	12.6	359
6	Inflammation-Induced Emergency Megakaryopoiesis Driven by Hematopoietic Stem Cell-like Megakaryocyte Progenitors. Cell Stem Cell, 2015, 17, 422-434.	11.1	353
7	The Rho-GTPase cdc42 regulates neural progenitor fate at the apical surface. Nature Neuroscience, 2006, 9, 1099-1107.	14.8	350
8	Functional Properties of Neurons Derived fromIn VitroReprogrammed Postnatal Astroglia. Journal of Neuroscience, 2007, 27, 8654-8664.	3.6	344
9	Vitamin A-Retinoic Acid Signaling Regulates Hematopoietic Stem Cell Dormancy. Cell, 2017, 169, 807-823.e19.	28.9	339
10	Identification and Successful Negotiation of a Metabolic Checkpoint in Direct Neuronal Reprogramming. Cell Stem Cell, 2016, 18, 396-409.	11.1	307
11	Challenges and emerging directions in single-cell analysis. Genome Biology, 2017, 18, 84.	8.8	258
12	Lentiviral Vector Design and Imaging Approaches to Visualize the Early Stages of Cellular Reprogramming. Molecular Therapy, 2011, 19, 782-789.	8.2	224
13	A BaSiC tool for background and shading correction of optical microscopy images. Nature Communications, 2017, 8, 14836.	12.8	213
14	Oligodendrogliogenic and neurogenic adult subependymal zone neural stem cells constitute distinct lineages and exhibit differential responsiveness to Wnt signalling. Nature Cell Biology, 2013, 15, 602-613.	10.3	211
15	Common themes and cell type specific variations of higher order chromatin arrangements in the mouse. BMC Cell Biology, 2005, 6, 44.	3.0	193
16	Glutathione peroxidase 4 prevents necroptosis in mouse erythroid precursors. Blood, 2016, 127, 139-148.	1.4	192
17	Par-complex proteins promote proliferative progenitor divisions in the developing mouse cerebral cortex. Development (Cambridge), 2008, 135, 11-22.	2.5	188
18	Imaging stem-cell-driven regeneration in mammals. Nature, 2008, 453, 345-351.	27.8	182

#	Article	IF	Citations
19	Early myeloid lineage choice is not initiated by random PU.1 to GATA1 protein ratios. Nature, 2016, 535, 299-302.	27.8	180
20	Challenges in long-term imaging and quantification of single-cell dynamics. Nature Biotechnology, 2016, 34, 1137-1144.	17.5	178
21	Live-animal imaging of native haematopoietic stem and progenitor cells. Nature, 2020, 578, 278-283.	27.8	171
22	Software tools for single-cell tracking and quantification of cellular and molecular properties. Nature Biotechnology, 2016, 34, 703-706.	17.5	162
23	Long-term single-cell imaging of mammalian stem cells. Nature Methods, 2011, 8, S30-S35.	19.0	161
24	Prospective identification of hematopoietic lineage choice by deep learning. Nature Methods, 2017, 14, 403-406.	19.0	160
25	Early dynamic fate changes in haemogenic endothelium characterized at the single-cell level. Nature Communications, 2013, 4, 2924.	12.8	158
26	Cdc42 Is Not Essential for Filopodium Formation, Directed Migration, Cell Polarization, and Mitosis in Fibroblastoid Cells. Molecular Biology of the Cell, 2005, 16, 4473-4484.	2.1	143
27	Continuous live imaging of adult neural stem cell division and lineage progression in vitro. Development (Cambridge), 2011, 138, 1057-1068.	2.5	139
28	Hierarchical Differentiation of Myeloid Progenitors Is Encoded in the Transcription Factor Network. PLoS ONE, 2011, 6, e22649.	2.5	137
29	Hematopoiesis. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008250-a008250.	5.5	133
30	Network plasticity of pluripotency transcription factors in embryonic stem cells. Nature Cell Biology, 2015, 17, 1235-1246.	10.3	130
31	Generation of subtype-specific neurons from postnatal astroglia of the mouse cerebral cortex. Nature Protocols, 2011, 6, 214-228.	12.0	126
32	Hypoxia Triggers the Intravasation of Clustered Circulating Tumor Cells. Cell Reports, 2020, 32, 108105.	6.4	126
33	Asymmetric lysosome inheritance predicts activation of haematopoietic stem cells. Nature, 2019, 573, 426-429.	27.8	123
34	Adrenomedullin/Cyclic AMP Pathway Induces Notch Activation and Differentiation of Arterial Endothelial Cells From Vascular Progenitors. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1977-1984.	2.4	118
35	An automatic method for robust and fast cell detection in bright field images from high-throughput microscopy. BMC Bioinformatics, 2013, 14, 297.	2.6	117
36	Recombination signal sequence-binding protein JÂ alters mesodermal cell fate decisions by suppressing cardiomyogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4018-4023.	7.1	113

#	Article	IF	Citations
37	Leveraging Cross-Species Transcription Factor Binding Site Patterns: From Diabetes Risk Loci to Disease Mechanisms. Cell, 2014, 156, 343-358.	28.9	113
38	Notch signalling via RBP-J promotes myeloid differentiation. EMBO Journal, 2000, 19, 2558-2568.	7.8	112
39	Quantitative Single-Cell Approaches to Stem Cell Research. Cell Stem Cell, 2014, 15, 546-558.	11.1	112
40	Notch Signaling Induces Multilineage Myeloid Differentiation and Up-Regulates PU.1 Expression. Journal of Immunology, 2003, 170, 5538-5548.	0.8	105
41	Three-dimensional map of nonhematopoietic bone and bone-marrow cells and molecules. Nature Biotechnology, 2017, 35, 1202-1210.	17.5	104
42	Single-cell technologies sharpen up mammalian stem cell research. Nature Cell Biology, 2014, 16, 919-927.	10.3	103
43	Probing cellular processes by long-term live imaging â€“ historic problems and current solutions. Journal of Cell Science, 2013, 126, 3805-15.	2.0	99
44	In vitro biomimetic engineering of a human hematopoietic niche with functional properties. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5688-E5695.	7.1	99
45	The Transcription Factor Pax6 Regulates Survival of Dopaminergic Olfactory Bulb Neurons via Crystallin Î±A. Neuron, 2010, 68, 682-694.	8.1	98
46	Hematopoietic Stem Cell Heterogeneity: Subtypes, Not Unpredictable Behavior. Cell Stem Cell, 2010, 6, 203-207.	11.1	94
47	The role of Pax6 in regulating the orientation and mode of cell division of progenitors in the mouse cerebral cortex. Development (Cambridge), 2011, 138, 5067-5078.	2.5	94
48	Hoxa9 and Meis1 Cooperatively Induce Addiction to Syk Signaling by Suppressing miR-146a in Acute Myeloid Leukemia. Cancer Cell, 2017, 31, 549-562.e11.	16.8	89
49	Biallelic Expression of Nanog Protein in Mouse Embryonic Stem Cells. Cell Stem Cell, 2013, 13, 12-13.	11.1	86
50	Multicolor quantitative confocal imaging cytometry. Nature Methods, 2018, 15, 39-46.	19.0	86
51	C/EBPÎ± Is Required for Long-Term Self-Renewal and Lineage Priming of Hematopoietic Stem Cells and for the Maintenance of Epigenetic Configurations in Multipotent Progenitors. PLoS Genetics, 2014, 10, e1004079.	3.5	85
52	Activated Notch1 alters differentiation of embryonic stem cells into mesodermal cell lineages at multiple stages of development. Mechanisms of Development, 2006, 123, 570-579.	1.7	83
53	MAPK phosphataseâ€1 represents a novel antiâ€inflammatory target of glucocorticoids in the human endothelium. FASEB Journal, 2007, 21, 74-80.	0.5	81
54	Late Origin of Glia-Restricted Progenitors in the Developing Mouse Cerebral Cortex. Cerebral Cortex, 2009, 19, i135-i143.	2.9	70

#	Article	IF	Citations
55	Incomplete cytokinesis and re-fusion of small mononucleated Hodgkin cells lead to giant multinucleated Reedâ€“Sternberg cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20729-20734.	7.1	69
56	TFEB-mediated endolysosomal activity controls human hematopoietic stem cell fate. Cell Stem Cell, 2021, 28, 1838-1850.e10.	11.1	69
57	Dendritic Cells under Influence of Mouse Cytomegalovirus Have a Physiologic Dual Role: to Initiate and to Restrict T Cell Activation. Journal of Infectious Diseases, 2003, 187, 988-999.	4.0	65
58	Adult blood stem cell localization reflects the abundance of reported bone marrow niche cell types and their combinations. Blood, 2020, 136, 2296-2307.	1.4	63
59	Inflammasome Regulates Hematopoiesis through Cleavage of the Master Erythroid Transcription Factor GATA1. Immunity, 2019, 51, 50-63.e5.	14.3	61
60	Interconversion between Tumorigenic and Differentiated States in Acute Myeloid Leukemia. Cell Stem Cell, 2019, 25, 258-272.e9.	11.1	60
61	The transcription factors STAT5A/B regulate GM-CSFâ€“mediated granulopoiesis. Blood, 2009, 114, 4721-4728.	1.4	58
62	fastER: a user-friendly tool for ultrafast and robust cell segmentation in large-scale microscopy. Bioinformatics, 2017, 33, 2020-2028.	4.1	58
63	Lineage Reprogramming of Astroglial Cells from Different Origins into Distinct Neuronal Subtypes. Stem Cell Reports, 2017, 9, 162-176.	4.8	55
64	A Myc-driven self-reinforcing regulatory network maintains mouse embryonic stem cell identity. Nature Communications, 2016, 7, 11903.	12.8	53
65	Inflammatory signals directly instruct PU.1 in HSCs via TNF. Blood, 2019, 133, 816-819.	1.4	53
66	PU.1 enforces quiescence and limits hematopoietic stem cell expansion during inflammatory stress. Journal of Experimental Medicine, 2021, 218, .	8.5	49
67	STAT5-regulated microRNA-193b controls haematopoietic stem and progenitor cell expansion by modulating cytokine receptor signalling. Nature Communications, 2015, 6, 8928.	12.8	47
68	Circulation-Independent Differentiation Pathway from Extraembryonic Mesoderm toward Hematopoietic Stem Cells via Hemogenic Angioblasts. Cell Reports, 2014, 8, 31-39.	6.4	46
69	Activity-Independent Effects of CREB on Neuronal Survival and Differentiation during Mouse Cerebral Cortex Development. Cerebral Cortex, 2018, 28, 538-548.	2.9	45
70	DNA-damage response gene GADD45A induces differentiation in hematopoietic stem cells without inhibiting cell cycle or survival. Stem Cells, 2016, 34, 699-710.	3.2	44
71	Using an adherent cell culture of the mouse subependymal zone to study the behavior of adult neural stem cells on a single-cell level. Nature Protocols, 2011, 6, 1847-1859.	12.0	43
72	Transient expression of PU.1 commits multipotent progenitors to a myeloid fate whereas continued expression favors macrophage over granulocyte differentiation. Experimental Hematology, 2003, 31, 39-47.	0.4	42

#	Article	IF	Citations
73	Glutathione peroxidase 4 and vitamin E control reticulocyte maturation, stress erythropoiesis and iron homeostasis. Haematologica, 2020, 105, 937-950.	3.5	42
74	Cytokine-Regulated GADD45G Induces Differentiation and Lineage Selection in Hematopoietic Stem Cells. Stem Cell Reports, 2014, 3, 34-43.	4.8	40
75	Tracking Hematopoiesis at the Single Cell Level. Annals of the New York Academy of Sciences, 2005, 1044, 201-209.	3.8	37
76	Instruction of hematopoietic lineage choice by cytokine signaling. Experimental Cell Research, 2014, 329, 207-213.	2.6	37
77	Sphingosine-1-Phosphate Receptor 3 Potentiates Inflammatory Programs in Normal and Leukemia Stem Cells to Promote Differentiation. Blood Cancer Discovery, 2021, 2, 32-53.	5.0	35
78	Towards a quantitative understanding of stem cellâ€“niche interaction: Experiments, models, and technologies. Blood Cells, Molecules, and Diseases, 2011, 46, 308-317.	1.4	34
79	Multi-type branching models to describe cell differentiation programs. Journal of Theoretical Biology, 2011, 277, 7-18.	1.7	32
80	Asymmetric organelle inheritance predicts human blood stem cell fate. Blood, 2022, 139, 2011-2023.	1.4	32
81	Asymmetric Cell Division in Normal and Malignant Hematopoietic Precursor Cells. Cell Stem Cell, 2007, 1, 479-481.	11.1	31
82	Identification of factors promoting ex vivo maintenance of mouse hematopoietic stem cells by long-term single-cell quantification. Blood, 2016, 128, 1181-1192.	1.4	31
83	Single-Stranded DNA-Binding Transcriptional Regulator FUBP1 Is Essential for Fetal and Adult Hematopoietic Stem Cell Self-Renewal. Cell Reports, 2015, 11, 1847-1855.	6.4	30
84	Analysis of Cell Lineage Trees by Exact Bayesian Inference Identifies Negative Autoregulation of Nanog in Mouse Embryonic Stem Cells. Cell Systems, 2016, 3, 480-490.e13.	6.2	30
85	Notch Signaling in Embryonic and Adult Myelopoiesis. Cells Tissues Organs, 2008, 188, 91-102.	2.3	29
86	Human Pancreatic Cancer-Associated Stellate Cells Remain Activated after in vivo Chemoradiation. Frontiers in Oncology, 2014, 4, 102.	2.8	29
87	Automated Microfluidic System for Dynamic Stimulation and Tracking of Single Cells. Analytical Chemistry, 2018, 90, 10695-10700.	6.5	29
88	Generation of optimized yellow and red fluorescent proteins with distinct subcellular localization. BioTechniques, 2004, 36, 418-424.	1.8	28
89	Nano-scale microfluidics to study 3D chemotaxis at the single cell level. PLoS ONE, 2018, 13, e0198330.	2.5	28
90	Advances in tracking hematopoiesis at the single-cell level. Current Opinion in Hematology, 2012, 19, 243-249.	2.5	26

#	Article	IF	Citations
91	Mouse and human HSPC immobilization in liquid culture by CD43- or CD44-antibody coating. Blood, 2018, 131, 1425-1429.	1.4	26
92	A 3D Tissue-wide Digital Imaging Pipeline for Quantitation of Secreted Molecules Shows Absence of CXCL12 Gradients in Bone Marrow. Cell Stem Cell, 2019, 25, 846-854.e4.	11.1	26
93	JAK2-V617F and interferon-Î± induce megakaryocyte-biased stem cells characterized by decreased long-term functionality. Blood, 2021, 137, 2139-2151.	1.4	26
94	Exploring Hematopoiesis at Single Cell Resolution. Cells Tissues Organs, 2008, 188, 139-149.	2.3	25
95	Inductive and Selective Effects of GSK3 and MEK Inhibition on Nanog Heterogeneity in Embryonic Stem Cells. Stem Cell Reports, 2018, 11, 58-69.	4.8	25
96	E-cadherin is regulated by GATA-2 and marks the early commitment of mouse hematopoietic progenitors to the basophil and mast cell fates. Science Immunology, 2021, 6, .	11.9	25
97	Lineage marker synchrony in hematopoietic genealogies refutes the PU.1/GATA1 toggle switch paradigm. Nature Communications, 2018, 9, 2697.	12.8	24
98	Single-cell approaches identify the molecular network driving malignant hematopoietic stem cell self-renewal. Blood, 2018, 132, 791-803.	1.4	24
99	GPR182 is an endothelium-specific atypical chemokine receptor that maintains hematopoietic stem cell homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
100	Seamless Combination of Fluorescence-Activated Cell Sorting and Hanging-Drop Networks for Individual Handling and Culturing of Stem Cells and Microtissue Spheroids. Analytical Chemistry, 2016, 88, 1222-1229.	6.5	23
101	Enhanced human hematopoietic stem and progenitor cell engraftment by blocking donor T cellâ€“mediated TNFÎ± signaling. Science Translational Medicine, 2017, 9, .	12.4	23
102	Engineering Human Bone Marrow Proxies. Cell Stem Cell, 2018, 22, 298-301.	11.1	23
103	Factor graph analysis of live cellâ€“imaging data reveals mechanisms of cell fate decisions. Bioinformatics, 2015, 31, 1816-1823.	4.1	22
104	Understanding cell fate control by continuous single-cell quantification. Blood, 2019, 133, 1406-1414.	1.4	22
105	CSF-1â€“induced Src signaling can instruct monocytic lineage choice. Blood, 2017, 129, 1691-1701.	1.4	21
106	Cytokine combinations for human blood stem cell expansion induce cell-typeâ€“ and cytokine-specific signaling dynamics. Blood, 2021, 138, 847-857.	1.4	21
107	Analyzing cell fate control by cytokines through continuous single cell biochemistry. Journal of Cellular Biochemistry, 2009, 108, 343-352.	2.6	20
108	Continuous single cell imaging reveals sequential steps of plasmacytoid dendritic cell development from common dendritic cell progenitors. Scientific Reports, 2016, 6, 37462.	3.3	20

#	Article	IF	Citations
109	Multiâ€scale modeling of GMP differentiation based on singleâ€cell genealogies. FEBS Journal, 2012, 279, 3488-3500.	4.7	19
110	Sonic hedgehog signaling regulates mode of cell division of early cerebral cortex progenitors and increases astrogliogenesis. Frontiers in Cellular Neuroscience, 2014, 8, 77.	3.7	19
111	Functionally defined substates within the human embryonic stem cell compartment. Stem Cell Research, 2011, 7, 145-153.	0.7	17
112	HSC-Explorer: A Curated Database for Hematopoietic Stem Cells. PLoS ONE, 2013, 8, e70348.	2.5	17
113	Engineered humanized bone organs maintain human hematopoiesis in vivo. Experimental Hematology, 2018, 61, 45-51.e5.	0.4	17
114	Notch1 activation reduces proliferation in the multipotent hematopoietic progenitor cell line FDCP-mix through a p53-dependent pathway but Notch1 effects on myeloid and erythroid differentiation are independent of p53. Cell Death and Differentiation, 2008, 15, 398-407.	11.2	16
115	Improved prospective identification of megakaryocyteâ€“erythrocyte progenitor cells. British Journal of Haematology, 2009, 144, 448-451.	2.5	15
116	On the statistical analysis of single cell lineage trees. Journal of Theoretical Biology, 2018, 439, 160-165.	1.7	15
117	Prdm6 Is Essential for Cardiovascular Development In Vivo. PLoS ONE, 2013, 8, e81833.	2.5	15
118	Intercrypt sentinel macrophages tune antibacterial NF-Î°B responses in gut epithelial cells via TNF. Journal of Experimental Medicine, 2021, 218, .	8.5	14
119	Ubiquitous overexpression of CXCL12 confers radiation protection and enhances mobilization of hematopoietic stem and progenitor cells. Stem Cells, 2020, 38, 1159-1174.	3.2	14
120	Continuous long-term detection of live cell surface markers by â€˜in cultureâ€™ antibody staining. Protocol Exchange, 0, , .	0.3	14
121	An In Vivo CRISPR Screen Identifies Stepwise Genetic Dependencies of Metastatic Progression. Cancer Research, 2022, 82, 681-694.	0.9	14
122	Open-source personal pipetting robots with live-cell incubation and microscopy compatibility. Nature Communications, 2022, 13, .	12.8	14
123	mNotch1 signaling and erythropoietin cooperate in erythroid differentiation of multipotent progenitor cells and upregulate Î²-globin. Experimental Hematology, 2007, 35, 1321-1332.	0.4	13
124	Molecular live cell bioimaging in stem cell research. Annals of the New York Academy of Sciences, 2012, 1266, 18-27.	3.8	13
125	Cell tracking in vitro reveals that the extracellular matrix glycoprotein Tenascin-C modulates cell cycle length and differentiation in neural stem/progenitor cells of the developing mouse spinal cord. Biology Open, 2018, 7, .	1.2	13
126	Fate Distribution and Regulatory Role of Human Mesenchymal Stromal Cells in Engineered Hematopoietic Bone Organs. IScience, 2019, 19, 504-513.	4.1	13

#	Article	IF	Citations
127	Heparan Sulfate Proteoglycan Expression Is Induced During Early Erythroid Differentiation of Multipotent Hematopoietic Stem Cells. Blood, 1999, 93, 2884-2897.	1.4	13
128	Heritable changes in division speed accompany the diversification of single T cell fate. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	13
129	Clustering of samples with a tree-shaped dependence structure, with an application to microscopic time lapse imaging. Bioinformatics, 2019, 35, 2291-2299.	4.1	12
130	OVOL1 Influences the Determination and Expansion of iPSC Reprogramming Intermediates. Stem Cell Reports, 2019, 12, 319-332.	4.8	12
131	An automated microfluidic system for efficient capture of rare cells and rapid flow-free stimulation. Lab on A Chip, 2020, 20, 4246-4254.	6.0	12
132	A Novel GATA2 Protein Reporter Mouse Reveals Hematopoietic Progenitor Cell Types. Stem Cell Reports, 2020, 15, 326-339.	4.8	12
133	Symmetric and asymmetric activation of hematopoietic stem cells. Current Opinion in Hematology, 2021, 28, 262-268.	2.5	12
134	An Immunocompetent Microphysiological System to Simultaneously Investigate Effects of Anti-Tumor Natural Killer Cells on Tumor and Cardiac Microtissues. Frontiers in Immunology, 2021, 12, 781337.	4.8	12
135	NfÎºB signaling dynamics and their target genes differ between mouse blood cell types and induce distinct cell behavior. Blood, 2022, 140, 99-111.	1.4	12
136	Combining single-cell tracking and omics improves blood stem cell fate regulator identification. Blood, 2022, 140, 1482-1495.	1.4	12
137	Instruction of lineage choice by hematopoietic cytokines. Cell Cycle, 2009, 8, 4019-4020.	2.6	10
138	Ectopic expression of Msx2 in mammalian myotubes recapitulates aspects of amphibian muscle dedifferentiation. Stem Cell Research, 2015, 15, 542-553.	0.7	10
139	Illuminating stem cell transcription factor dynamics: long-term single-cell imaging of fluorescent protein fusions. Current Opinion in Cell Biology, 2017, 49, 77-83.	5.4	10
140	Specific Phospholipids Regulate the Acquisition of Neuronal and Astroglial Identities in Post-Mitotic Cells. Scientific Reports, 2018, 8, 460.	3.3	9
141	Live Imaging Followed by Single Cell Tracking to Monitor Cell Biology and the Lineage Progression of Multiple Neural Populations. Journal of Visualized Experiments, 2017, , .	0.3	8
142	Pitfalls and requirements in quantifying asymmetric mitotic segregation. Annals of the New York Academy of Sciences, 2020, 1466, 73-82.	3.8	8
143	Heterogeneity of sister cell fates. Nature Reviews Molecular Cell Biology, 2013, 14, 327-327.	37.0	7
144	Sulfation of Glycosaminoglycans Modulates the Cell Cycle of Embryonic Mouse Spinal Cord Neural Stem Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 643060.	3.7	7

#	Article	IF	Citations
145	Blood stem cell PU.1 upregulation is a consequence of differentiation without fast autoregulation. Journal of Experimental Medicine, 2022, 219, .	8.5	7
146	The electronic crystal ball: predicting cell fate from time-lapse data. Nature Methods, 2010, 7, 190-191.	19.0	6
147	Wnt to Notch Relay Signaling Induces Definitive Hematopoiesis. Cell Stem Cell, 2011, 9, 2-4.	11.1	6
148	Asymmetric division events promote variability in cell cycle duration in animal cells and Escherichia coli. Nature Communications, 2019, 10, 1901.	12.8	6
149	Nanog dynamics in single embryonic stem cells. Cell Cycle, 2016, 15, 770-771.	2.6	5
150	Analyzing signaling activity and function in hematopoietic cells. Journal of Experimental Medicine, 2021, 218, .	8.5	5
151	Generation of functionally mature dendritic cells from the multipotential stem cell line FDCP-mix. British Journal of Haematology, 2000, 111, 890-897.	2.5	5
152	Generation of functionally mature dendritic cells from the multipotential stem cell line FDCPâ€mix. British Journal of Haematology, 2000, 111, 890-897.	2.5	4
153	Time-lapse Imaging of Primary Preneoplastic Mammary Epithelial Cells Derived from Genetically Engineered Mouse Models of Breast Cancer. Journal of Visualized Experiments, 2013, , .	0.3	3
154	Marker-free detection of progenitor cell differentiation by analysis of Brownian motion in micro-wells. Integrative Biology (United Kingdom), 2015, 7, 178-183.	1.3	3
155	Centroid Clustering of Cellular Lineage Trees. Lecture Notes in Computer Science, 2014, , 15-29.	1.3	3
156	Live Imaging of Primary Cerebral Cortex Cells Using a 2D Culture System. Journal of Visualized Experiments, 2017, , .	0.3	2
157	Stem Cell-like Megakaryocyte Progenitors As Driving Forces of IFN-Induced Emergency Megakaryopooesis. Blood, 2015, 126, 2391-2391.	1.4	1
158	Stem cell powwow in Squaw Valley. Development (Cambridge), 2012, 139, 2457-2461.	2.5	0
159	Continuous live imaging of adult neural stem cell division and lineage progression in vitro. Journal of Cell Science, 2011, 124, e1-e1.	2.0	0
160	The role of Pax6 in regulating the orientation and mode of cell division of progenitors in the mouse cerebral cortex. Journal of Cell Science, 2011, 124, e1-e1.	2.0	0
161	Background and Illumination Correction for Time-Lapse Microscopy Data with Correlated Foreground. Lecture Notes in Computer Science, 2020, , 174-183.	1.3	0