

Andrea Brand

List of Publications by Year in descending order

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114
papers

14,283
citations

41344

49
h-index

24258

110
g-index

124
all docs

124
docs citations

124
times ranked

12228
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted gene expression as a means of altering cell fates and generating dominant phenotypes. <i>Development (Cambridge)</i> , 1993, 118, 401-15.	2.5	3,976
2	Characterization of a silencer in yeast: A DNA sequence with properties opposite to those of a transcriptional enhancer. <i>Cell</i> , 1985, 41, 41-48.	28.9	567
3	folded gastrulation, cell shape change and the control of myosin localization. <i>Development (Cambridge)</i> , 2005, 132, 4165-4178.	2.5	367
4	A yeast silencer contains sequences that can promote autonomous plasmid replication and transcriptional activation. <i>Cell</i> , 1987, 51, 709-719.	28.9	360
5	Nutrition-Responsive Glia Control Exit of Neural Stem Cells from Quiescence. <i>Cell</i> , 2010, 143, 1161-1173.	28.9	354
6	Prospero Acts as a Binary Switch between Self-Renewal and Differentiation in <i>Drosophila</i> Neural Stem Cells. <i>Developmental Cell</i> , 2006, 11, 775-789.	7.0	348
7	Detection of in vivo protein-DNA interactions using DamID in mammalian cells. <i>Nature Protocols</i> , 2007, 2, 1467-1478.	12.0	341
8	Staufen- and FMRP-Containing Neuronal RNPs Are Structurally and Functionally Related to Somatic P Bodies. <i>Neuron</i> , 2006, 52, 997-1009.	8.1	328
9	Rotation and asymmetry of the mitotic spindle direct asymmetric cell division in the developing central nervous system. <i>Nature Cell Biology</i> , 2000, 2, 7-12.	10.3	308
10	Chapter 33 Ectopic Expression in <i>Drosophila</i> . <i>Methods in Cell Biology</i> , 1994, 44, 635-654.	1.1	302
11	Miranda mediates asymmetric protein and RNA localization in the developing nervous system. <i>Genes and Development</i> , 1998, 12, 1847-1857.	5.9	226
12	Ectopic Gene Expression in <i>Drosophila</i> Using GAL4 System. <i>Methods</i> , 1998, 14, 367-379.	3.8	225
13	Identification of silencer binding proteins from yeast: possible roles in SIR control and DNA replication. <i>EMBO Journal</i> , 1987, 6, 461-467.	7.8	223
14	Frizzled regulates localization of cell-fate determinants and mitotic spindle rotation during asymmetric cell division. <i>Nature Cell Biology</i> , 2001, 3, 50-57.	10.3	222
15	Cell-Type-Specific Profiling of Gene Expression and Chromatin Binding without Cell Isolation: Assaying RNA Pol II Occupancy in Neural Stem Cells. <i>Developmental Cell</i> , 2013, 26, 101-112.	7.0	221
16	Imaging into the future: visualizing gene expression and protein interactions with fluorescent proteins. <i>Nature Cell Biology</i> , 2002, 4, E15-E20.	10.3	218
17	An actomyosin-based barrier inhibits cell mixing at compartmental boundaries in <i>Drosophila</i> embryos. <i>Nature Cell Biology</i> , 2010, 12, 60-65.	10.3	216
18	Independent Regulation of Synaptic Size and Activity by the Anaphase-Promoting Complex. <i>Cell</i> , 2004, 119, 707-718.	28.9	214

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19	RAP-1 factor is necessary for DNA loop formation in vitro at the silent mating type locus HML. <i>Cell</i> , 1989, 57, 725-737.	28.9	208
20	Polar Transport in the <i>Drosophila</i> Oocyte Requires Dynein and Kinesin I Cooperation. <i>Current Biology</i> , 2002, 12, 1971-1981.	3.9	205
21	Regulation of spindle orientation and neural stem cell fate in the <i>Drosophila</i> optic lobe. <i>Neural Development</i> , 2007, 2, 1.	2.4	205
22	The <i>mago nashi</i> gene is required for the polarisation of the oocyte and the formation of perpendicular axes in <i>Drosophila</i> . <i>Current Biology</i> , 1997, 7, 468-478.	3.9	185
23	Raf acts downstream of the EGF receptor to determine dorsoventral polarity during <i>Drosophila</i> oogenesis.. <i>Genes and Development</i> , 1994, 8, 629-639.	5.9	180
24	Identification of silencer binding proteins from yeast: possible roles in SIR control and DNA replication. <i>EMBO Journal</i> , 1987, 6, 461-7.	7.8	172
25	Transcriptional control of stem cell maintenance in the <i>Drosophila</i> intestine. <i>Development (Cambridge)</i> , 2010, 137, 705-714.	2.5	163
26	Notch regulates the switch from symmetric to asymmetric neural stem cell division in the <i>Drosophila</i> optic lobe. <i>Development (Cambridge)</i> , 2010, 137, 2981-2987.	2.5	146
27	Gap Junction Proteins in the Blood-Brain Barrier Control Nutrient-Dependent Reactivation of <i>Drosophila</i> Neural Stem Cells. <i>Developmental Cell</i> , 2014, 30, 309-321.	7.0	146
28	damidseq_pipeline: an automated pipeline for processing DamID sequencing datasets. <i>Bioinformatics</i> , 2015, 31, 3371-3373.	4.1	141
29	<i>Drosophila</i> Nonmuscle Myosin II Promotes the Asymmetric Segregation of Cell Fate Determinants by Cortical Exclusion Rather Than Active Transport. <i>Developmental Cell</i> , 2003, 5, 829-840.	7.0	140
30	GFP in <i>Drosophila</i> . <i>Trends in Genetics</i> , 1995, 11, 324-325.	6.7	127
31	Cell cycle heterogeneity directs the timing of neural stem cell activation from quiescence. <i>Science</i> , 2018, 360, 99-102.	12.6	126
32	Insights into neural stem cell biology from flies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 39-56.	4.0	125
33	The GAL4 system as a tool for unravelling the mysteries of the <i>Drosophila</i> nervous system. <i>Current Opinion in Neurobiology</i> , 1995, 5, 572-578.	4.2	122
34	The GAL4 System. <i>Methods in Molecular Biology</i> , 2008, 420, 79-95.	0.9	120
35	<i>Escargot</i> maintains stemness and suppresses differentiation in <i>Drosophila</i> intestinal stem cells. <i>EMBO Journal</i> , 2014, 33, 2967-2982.	7.8	113
36	Neural Stem Cell Biology in Vertebrates and Invertebrates: More Alike than Different?. <i>Neuron</i> , 2011, 70, 719-729.	8.1	106

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37	Neural stem cell transcriptional networks highlight genes essential for nervous system development. EMBO Journal, 2009, 28, 3799-3807.	7.8	102
38	Epigenetic remodelling licences adult cholangiocytes for organoid formation and liver regeneration. Nature Cell Biology, 2019, 21, 1321-1333.	10.3	102
39	Generating lineage-specific markers to study Drosophila development. Genesis, 1991, 12, 238-252.	2.1	98
40	Male-Specific Fruitless Isoforms Target Neurodevelopmental Genes to Specify a Sexually Dimorphic Nervous System. Current Biology, 2014, 24, 229-241.	3.9	95
41	Evidence for engrailed-Independent wingless Autoregulation in Drosophila. Developmental Biology, 1995, 170, 636-650.	2.0	92
42	Specificity of bone morphogenetic protein-related factors: cell fate and gene expression changes in Drosophila embryos induced by decapentaplegic but not 60A. Cell Growth & Differentiation: the Molecular Biology Journal of the American Association for Cancer Research, 1994, 5, 585-93.	0.8	85
43	A Novel Strategy to Isolate Ubiquitin Conjugates Reveals Wide Role for Ubiquitination during Neural Development. Molecular and Cellular Proteomics, 2011, 10, M110.002188.	3.8	77
44	Regulation of <i>Drosophila</i> intestinal stem cell maintenance and differentiation by the transcription factor Escargot. EMBO Journal, 2014, 33, 2983-2996.	7.8	74
45	Dedifferentiation of Neurons Precedes Tumor Formation in <i>lola</i> Mutants. Developmental Cell, 2014, 28, 685-696.	7.0	73
46	Chromatin state changes during neural development revealed by in vivo cell-type specific profiling. Nature Communications, 2017, 8, 2271.	12.8	72
47	<i>Drosophila</i> intestinal stem and progenitor cells are major sources and regulators of homeostatic niche signals. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12218-12223.	7.1	63
48	In vivo dynamics of axon pathfinding in the <i>Drosophila</i> CNS: A time-lapse study of an identified motorneuron. Journal of Neurobiology, 1998, 37, 607-621.	3.6	62
49	The GAL4 System: A Versatile System for the Manipulation and Analysis of Gene Expression. Methods in Molecular Biology, 2016, 1478, 33-52.	0.9	60
50	Regulating the balance between symmetric and asymmetric stem cell division in the developing brain. Fly, 2011, 5, 237-241.	1.7	55
51	Asymmetric cell division: microtubule dynamics and spindle asymmetry. Journal of Cell Science, 2002, 115, 2257-2264.	2.0	54
52	Asymmetric stem cell division: Lessons from <i>Drosophila</i> . Seminars in Cell and Developmental Biology, 2008, 19, 283-293.	5.0	52
53	Dephrin, a transmembrane ephrin with a unique structure, prevents interneuronal axons from exiting the <i>Drosophila</i> embryonic CNS. Development (Cambridge), 2002, 129, 4205-4218.	2.5	49
54	Asymmetric cell division: microtubule dynamics and spindle asymmetry. Journal of Cell Science, 2002, 115, 2257-64.	2.0	48

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55	Systemic and local cues drive neural stem cell niche remodelling during neurogenesis in <i>Drosophila</i> . <i>ELife</i> , 2018, 7, .	6.0	47
56	Targeted DamID reveals differential binding of mammalian pluripotency factors. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	43
57	Quiescent Neural Stem Cells for Brain Repair and Regeneration: Lessons from Model Systems. <i>Trends in Neurosciences</i> , 2020, 43, 213-226.	8.6	42
58	Optix defines a neuroepithelial compartment in the optic lobe of the <i>Drosophila</i> brain. <i>Neural Development</i> , 2014, 9, 18.	2.4	41
59	Neural stem cell temporal patterning and brain tumour growth rely on oxidative phosphorylation. <i>ELife</i> , 2019, 8, .	6.0	41
60	Nutrient control of neural stem cells. <i>Current Opinion in Cell Biology</i> , 2011, 23, 724-729.	5.4	40
61	The LIM-Homeodomain Protein Islet Dictates Motor Neuron Electrical Properties by Regulating K ⁺ Channel Expression. <i>Neuron</i> , 2012, 75, 663-674.	8.1	38
62	Control of brain development and homeostasis by local and systemic insulin signalling. <i>Diabetes, Obesity and Metabolism</i> , 2014, 16, 16-20.	4.4	38
63	Mastermind Acts Downstream of Notch to Specify Neuronal Cell Fates in the <i>Drosophila</i> Central Nervous System. <i>Developmental Biology</i> , 1999, 205, 287-295.	2.0	36
64	The homeobox transcription factor Even-skipped regulates acquisition of electrical properties in <i>Drosophila</i> neurons. <i>Neural Development</i> , 2006, 1, 3.	2.4	35
65	Cell proliferation in the <i>Drosophila</i> adult brain revealed by clonal analysis and bromodeoxyuridine labelling. <i>Neural Development</i> , 2009, 4, 9.	2.4	31
66	The Fes/Fer non-receptor tyrosine kinase cooperates with Src42A to regulate dorsal closure in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2006, 133, 3063-3073.	2.5	30
67	Live Imaging with Green Fluorescent Protein. , 1999, 122, 241-260.		28
68	In vivo dynamics of axon pathfinding in the <i>Drosophila</i> CNS: a time-lapse study of an identified motoneuron. <i>Journal of Neurobiology</i> , 1998, 37, 607-21.	3.6	28
69	Determination of cell fate along the anteroposterior axis of the <i>Drosophila</i> ventral midline. <i>Development (Cambridge)</i> , 2006, 133, 1001-1012.	2.5	27
70	The vasculature as a neural stem cell niche. <i>Neurobiology of Disease</i> , 2017, 107, 4-14.	4.4	26
71	RNA-DamID reveals cell-type-specific binding of roX RNAs at chromatin-entry sites. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 109-114.	8.2	26
72	Neural stem cell dynamics: the development of brain tumours. <i>Current Opinion in Cell Biology</i> , 2019, 60, 131-138.	5.4	26

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73	Two-color GFP imaging demonstrates cell-autonomy of GAL4-driven RNA interference in <i>Drosophila</i> . <i>Genesis</i> , 2002, 34, 170-173.	1.6	25
74	miR-7 Buffers Differentiation in the Developing <i>Drosophila</i> Visual System. <i>Cell Reports</i> , 2017, 20, 1255-1261.	6.4	25
75	Stem Cell Proliferation Is Kept in Check by the Chromatin Regulators Kismet/CHD7/CHD8 and Trr/MLL3/4. <i>Developmental Cell</i> , 2019, 49, 556-573.e6.	7.0	25
76	The Transcription Factors Islet and Lim3 Combinatorially Regulate Ion Channel Gene Expression. <i>Journal of Neuroscience</i> , 2014, 34, 2538-2543.	3.6	24
77	The GAL4 System: A Versatile Toolkit for Gene Expression in <i>Drosophila</i> . <i>Cold Spring Harbor Protocols</i> , 2008, 2008, pdb.top49.	0.3	22
78	A newly discovered neural stem cell population is generated by the optic lobe neuroepithelium during embryogenesis in <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2018, 145, .	2.5	22
79	Chapter 11: GFP as a Cell and Developmental Marker in the <i>Drosophila</i> Nervous System. <i>Methods in Cell Biology</i> , 1998, 58, 165-181.	1.1	20
80	Spreading silence with Sid. <i>Genome Biology</i> , 2004, 5, 208.	9.6	19
81	Stem cell niche organization in the <i>Drosophila</i> ovary requires the ECM component Perlecan. <i>Current Biology</i> , 2021, 31, 1744-1753.e5.	3.9	19
82	Functional Conservation of the Glide/Gcm Regulatory Network Controlling Glia, Hemocyte, and Tendon Cell Differentiation in <i>Drosophila</i> . <i>Genetics</i> , 2016, 202, 191-219.	2.9	18
83	Dorsal-Ventral Differences in Neural Stem Cell Quiescence Are Induced by p57KIP2/Dacapo. <i>Developmental Cell</i> , 2019, 49, 293-300.e3.	7.0	18
84	Chromatin profiling in model organisms. <i>Briefings in Functional Genomics & Proteomics</i> , 2007, 6, 133-140.	3.8	17
85	Dynamic Notch signalling regulates neural stem cell state progression in the <i>Drosophila</i> optic lobe. <i>Neural Development</i> , 2018, 13, 25.	2.4	16
86	The transcription factor SoxD controls neuronal guidance in the <i>Drosophila</i> visual system. <i>Scientific Reports</i> , 2018, 8, 13332.	3.3	15
87	The proneural wave in the <i>Drosophila</i> optic lobe is driven by an excitable reaction-diffusion mechanism. <i>ELife</i> , 2019, 8, .	6.0	14
88	NanoDam identifies Homeobrain (ARX) and Scarecrow (NKX2.1) as conserved temporal factors in the <i>Drosophila</i> central brain and visual system. <i>Developmental Cell</i> , 2022, 57, 1193-1207.e7.	7.0	14
89	Rapid tissue-specific expression assay in living embryos. <i>Genesis</i> , 2002, 34, 123-126.	1.6	12
90	Regulation of Self-renewal and Differentiation in the <i>Drosophila</i> Nervous System. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2008, 73, 523-528.	1.1	12

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91	TaDa! Analysing cell type-specific chromatin in vivo with Targeted DamID. <i>Current Opinion in Neurobiology</i> , 2019, 56, 160-166.	4.2	12
92	Tailless/TLX reverts intermediate neural progenitors to stem cells driving tumourigenesis via repression of asense/ASCL1. <i>ELife</i> , 2020, 9, .	6.0	12
93	Two new thia chalcones. <i>Journal of Chemical & Engineering Data</i> , 1981, 26, 230-230.	1.9	10
94	Insulin Finds Its Niche. <i>Science</i> , 2013, 340, 817-818.	12.6	10
95	Freedom of expression: cell-type-specific gene profiling. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2014, 3, 429-443.	5.9	10
96	The Serine Protease Homolog, Scarface, Is Sensitive to Nutrient Availability and Modulates the Development of the <i>Drosophila</i> Blood-Brain Barrier. <i>Journal of Neuroscience</i> , 2021, 41, 6430-6448.	3.6	9
97	Predicting novel candidate human obesity genes and their site of action by systematic functional screening in <i>Drosophila</i> . <i>PLoS Biology</i> , 2021, 19, e3001255.	5.6	7
98	Forever Young: Death-Defying Neuroblasts. <i>Cell</i> , 2008, 133, 769-771.	28.9	6
99	Escargot controls somatic stem cell maintenance through the attenuation of the insulin receptor pathway in <i>Drosophila</i> . <i>Cell Reports</i> , 2022, 39, 110679.	6.4	6
100	Region-Specific Apoptosis Limits Neural Stem Cell Proliferation. <i>Neuron</i> , 2003, 37, 185-187.	8.1	5
101	Generation of Driver and Reporter Constructs for the GAL4 Expression System in <i>Drosophila</i> : Figure 1.. <i>Cold Spring Harbor Protocols</i> , 2008, 2008, pdb.prot5029.	0.3	5
102	Reduced chromatin accessibility correlates with resistance to Notch activation. <i>Nature Communications</i> , 2022, 13, 2210.	12.8	5
103	Snail-dependent repression of the RhoGEF pebble is required for gastrulation consistency in <i>Drosophila melanogaster</i> . <i>Development Genes and Evolution</i> , 2012, 222, 361-368.	0.9	4
104	InÂvivo targeted DamID identifies CHD8 genomic targets in fetal mouse brain. <i>Science</i> , 2021, 24, 103234.	4.1	4
105	Detection of GFP During Nervous System Development in <i>Drosophila melanogaster</i> . , 2007, 411, 81-98.		3
106	folded gastrulation, cell shape change and the control of myosin localization. <i>Development (Cambridge)</i> , 2007, 134, 4507-4507.	2.5	2
107	A new dawn for Aurora?. <i>Nature Cell Biology</i> , 2008, 10, 1253-1254.	10.3	2
108	Transcriptome Analysis of <i>Drosophila</i> Neural Stem Cells. <i>Methods in Molecular Biology</i> , 2012, 916, 99-110.	0.9	1

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109	Molecular Profiling of Neural Stem Cells in <i>Drosophila melanogaster</i> . <i>Neuromethods</i> , 2012, , 249-260.	0.3	1
110	Turning back the clock on neural progenitors. <i>BioEssays</i> , 2004, 26, 711-714.	2.5	0
111	Cell differentiation. <i>Current Opinion in Cell Biology</i> , 2005, 17, 637-638.	5.4	0
112	Editorial overview. <i>Current Opinion in Neurobiology</i> , 2009, 19, 109-111.	4.2	0
113	Transcriptional control of stem cell maintenance in the <i>Drosophila</i> intestine. <i>Journal of Cell Science</i> , 2010, 123, e1-e1.	2.0	0
114	Mapping RNAâ€™Chromatin Interactions In Vivo with RNA-DamID. <i>Methods in Molecular Biology</i> , 2020, 2161, 255-264.	0.9	0