

Alexander Franz Schier

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1266617/alexander-franz-schier-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

168
papers

26,847
citations

84
h-index

163
g-index

193
ext. papers

31,817
ext. citations

17
avg, IF

7.23
L-index

#	Paper	IF	Citations
168	Basic science under threat: Lessons from the Skirball Institute.. <i>Cell</i> , 2022 , 185, 755-758	56.2	
167	The pattern of nodal morphogen signaling is shaped by co-receptor expression. <i>ELife</i> , 2021 , 10,	8.9	4
166	Zebrafish Deficiency Impairs Retinal Patterning and Oculomotor Function. <i>Journal of Neuroscience</i> , 2020 , 40, 143-158	6.6	3
165	Single-cell biology: beyond the sum of its parts. <i>Nature Methods</i> , 2020 , 17, 17-20	21.6	25
164	Emergence of Neuronal Diversity during Vertebrate Brain Development. <i>Neuron</i> , 2020 , 108, 1058-1074.e6	13.9	7
163	Distributed Plasticity Drives Visual Habituation Learning in Larval Zebrafish. <i>Current Biology</i> , 2019 , 29, 1337-1345.e4	6.3	38
162	Phenotypic Landscape of Schizophrenia-Associated Genes Defines Candidates and Their Shared Functions. <i>Cell</i> , 2019 , 177, 478-491.e20	56.2	83
161	Zebrafish oxytocin neurons drive nocifensive behavior via brainstem premotor targets. <i>Nature Neuroscience</i> , 2019 , 22, 1477-1492	25.5	30
160	Convergent Temperature Representations in Artificial and Biological Neural Networks. <i>Neuron</i> , 2019 , 103, 1123-1134.e6	13.9	9
159	Individual long non-coding RNAs have no overt functions in zebrafish embryogenesis, viability and fertility. <i>ELife</i> , 2019 , 8,	8.9	39
158	A Brain-wide Circuit Model of Heat-Evoked Swimming Behavior in Larval Zebrafish. <i>Neuron</i> , 2018 , 98, 817-831.e6	13.9	36
157	Single-cell reconstruction of developmental trajectories during zebrafish embryogenesis. <i>Science</i> , 2018 , 360,	33.3	351
156	Comprehensive Identification and Spatial Mapping of Habenular Neuronal Types Using Single-Cell RNA-Seq. <i>Current Biology</i> , 2018 , 28, 1052-1065.e7	6.3	95
155	Simultaneous single-cell profiling of lineages and cell types in the vertebrate brain. <i>Nature Biotechnology</i> , 2018 , 36, 442-450	44.5	299
154	Scale-invariant patterning by size-dependent inhibition of Nodal signalling. <i>Nature Cell Biology</i> , 2018 , 20, 1032-1042	23.4	39
153	The primary role of zebrafish is in extra-embryonic tissue. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	19
152	Conserved regulation of Nodal-mediated left-right patterning in zebrafish and mouse. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	18

151	Large-scale reconstruction of cell lineages using single-cell readout of transcriptomes and CRISPR-Cas9 barcodes by scGESTALT. <i>Nature Protocols</i> , 2018 , 13, 2685-2713	18.8	34
150	Whole-brain serial-section electron microscopy in larval zebrafish. <i>Nature</i> , 2017 , 545, 345-349	50.4	172
149	Gaze-Stabilizing Central Vestibular Neurons Project Asymmetrically to Extraocular Motoneuron Pools. <i>Journal of Neuroscience</i> , 2017 , 37, 11353-11365	6.6	14
148	Kctd13 deletion reduces synaptic transmission via increased RhoA. <i>Nature</i> , 2017 , 551, 227-231	50.4	77
147	Loss of Apela Peptide in Mice Causes Low Penetrance Embryonic Lethality and Defects in Early Mesodermal Derivatives. <i>Cell Reports</i> , 2017 , 20, 2116-2130	10.6	30
146	A Massively Parallel Reporter Assay of 3UTR Sequences Identifies In Vivo Rules for mRNA Degradation. <i>Molecular Cell</i> , 2017 , 68, 1083-1094.e5	17.6	50
145	Toddler signaling regulates mesodermal cell migration downstream of Nodal signaling. <i>ELife</i> , 2017 , 6,	8.9	17
144	Vg1-Nodal heterodimers are the endogenous inducers of mesendoderm. <i>ELife</i> , 2017 , 6,	8.9	39
143	Nodal patterning without Lefty inhibitory feedback is functional but fragile. <i>ELife</i> , 2017 , 6,	8.9	31
142	Internal guide RNA interactions interfere with Cas9-mediated cleavage. <i>Nature Communications</i> , 2016 , 7, 11750	17.4	84
141	Conservation of uORF repressiveness and sequence features in mouse, human and zebrafish. <i>Nature Communications</i> , 2016 , 7, 11663	17.4	98
140	A Zebrafish Genetic Screen Identifies Neuromedin U as a Regulator of Sleep/Wake States. <i>Neuron</i> , 2016 , 89, 842-56	13.9	59
139	Brain-wide mapping of neural activity controlling zebrafish exploratory locomotion. <i>ELife</i> , 2016 , 5, e127481	19	148
138	Whole-organism lineage tracing by combinatorial and cumulative genome editing. <i>Science</i> , 2016 , 353, aaf7907	33.3	409
137	Polq-Mediated End Joining Is Essential for Surviving DNA Double-Strand Breaks during Early Zebrafish Development. <i>Cell Reports</i> , 2016 , 15, 707-714	10.6	28
136	Dachsous1b cadherin regulates actin and microtubule cytoskeleton during early zebrafish embryogenesis. <i>Development (Cambridge)</i> , 2015 , 142, 2704-18	6.6	20
135	Vesicular stomatitis virus enables gene transfer and transsynaptic tracing in a wide range of organisms. <i>Journal of Comparative Neurology</i> , 2015 , 523, 1639-63	3.4	36
134	A convergent and essential interneuron pathway for Mauthner-cell-mediated escapes. <i>Current Biology</i> , 2015 , 25, 1526-34	6.3	67

133	Efficient CRISPR-Cas9-mediated generation of knockin human pluripotent stem cells lacking undesired mutations at the targeted locus. <i>Cell Reports</i> , 2015 , 11, 875-883	10.6	111
132	Spatial reconstruction of single-cell gene expression data. <i>Nature Biotechnology</i> , 2015 , 33, 495-502	44.5	2009
131	Whole-brain activity mapping onto a zebrafish brain atlas. <i>Nature Methods</i> , 2015 , 12, 1039-46	21.6	255
130	The study of psychiatric disease genes and drugs in zebrafish. <i>Current Opinion in Neurobiology</i> , 2015 , 30, 122-30	7.6	28
129	Identifying (non-)coding RNAs and small peptides: challenges and opportunities. <i>BioEssays</i> , 2015 , 37, 103-12	4.1	78
128	Measuring protein stability in living zebrafish embryos using fluorescence decay after photoconversion (FDAP). <i>Journal of Visualized Experiments</i> , 2015 , 52266	1.6	7
127	Evolutionarily conserved regulation of hypocretin neuron specification by Lhx9. <i>Development (Cambridge)</i> , 2015 , 142, 1113-24	6.6	40
126	The structure and timescales of heat perception in larval zebrafish. <i>Cell Systems</i> , 2015 , 1, 338-348	10.6	25
125	Generation of neuropeptidergic hypothalamic neurons from human pluripotent stem cells. <i>Development (Cambridge)</i> , 2015 , 142, 633-43	6.6	93
124	Antisense Oligonucleotide-Mediated Transcript Knockdown in Zebrafish. <i>PLoS ONE</i> , 2015 , 10, e0139504	3.7	22
123	Response to Nodal morphogen gradient is determined by the kinetics of target gene induction. <i>ELife</i> , 2015 , 4,	8.9	66
122	Dachsous1b cadherin regulates actin and microtubule cytoskeleton during early zebrafish embryogenesis. <i>Journal of Cell Science</i> , 2015 , 128, e1.2-e1.2	5.3	
121	Toddler: an embryonic signal that promotes cell movement via Apelin receptors. <i>Science</i> , 2014 , 343, 1248-53	36	370
120	Neuropeptidergic control of sleep and wakefulness. <i>Annual Review of Neuroscience</i> , 2014 , 37, 503-31	17	44
119	Neuropeptidergic signaling partitions arousal behaviors in zebrafish. <i>Journal of Neuroscience</i> , 2014 , 34, 3142-60	6.6	71
118	Canonical nucleosome organization at promoters forms during genome activation. <i>Genome Research</i> , 2014 , 24, 260-6	9.7	69
117	High-resolution sequencing and modeling identifies distinct dynamic RNA regulatory strategies. <i>Cell</i> , 2014 , 159, 1698-710	56.2	136
116	Efficient mutagenesis by Cas9 protein-mediated oligonucleotide insertion and large-scale assessment of single-guide RNAs. <i>PLoS ONE</i> , 2014 , 9, e98186	3.7	557

115	Should I stay or should I go: neuromodulators of behavioral states. <i>Cell</i> , 2013 , 154, 955-956	56.2	3
114	Sites of action of sleep and wake drugs: insights from model organisms. <i>Current Opinion in Neurobiology</i> , 2013 , 23, 831-40	7.6	28
113	Optical control of metabotropic glutamate receptors. <i>Nature Neuroscience</i> , 2013 , 16, 507-16	25.5	165
112	Morphogen transport. <i>Development (Cambridge)</i> , 2013 , 140, 1621-38	6.6	165
111	Specified neural progenitors sort to form sharp domains after noisy Shh signaling. <i>Cell</i> , 2013 , 153, 550-61	16.2	112
110	Ribosome profiling reveals resemblance between long non-coding RNAs and 5' leaders of coding RNAs. <i>Development (Cambridge)</i> , 2013 , 140, 2828-34	6.6	196
109	Zebrafish: multispectral cell labeling for cell tracing and lineage analysis in zebrafish. <i>Development (Cambridge)</i> , 2013 , 140, 2835-46	6.6	201
108	A large-scale zebrafish gene knockout resource for the genome-wide study of gene function. <i>Genome Research</i> , 2013 , 23, 727-35	9.7	84
107	Behavioral screening for neuroactive drugs in zebrafish. <i>Developmental Neurobiology</i> , 2012 , 72, 373-85	3.2	91
106	Systematic identification of long noncoding RNAs expressed during zebrafish embryogenesis. <i>Genome Research</i> , 2012 , 22, 577-91	9.7	590
105	CCDC103 mutations cause primary ciliary dyskinesia by disrupting assembly of ciliary dynein arms. <i>Nature Genetics</i> , 2012 , 44, 714-9	36.3	185
104	Differential diffusivity of Nodal and Lefty underlies a reaction-diffusion patterning system. <i>Science</i> , 2012 , 336, 721-4	33.3	270
103	The tangential nucleus controls a gravito-inertial vestibulo-ocular reflex. <i>Current Biology</i> , 2012 , 22, 1285-95	6.5	64
102	Nanog-like regulates endoderm formation through the Mxtx2-Nodal pathway. <i>Developmental Cell</i> , 2012 , 22, 625-38	10.2	68
101	Brain-wide neuronal dynamics during motor adaptation in zebrafish. <i>Nature</i> , 2012 , 485, 471-7	50.4	445
100	Bivalent histone modifications in early embryogenesis. <i>Current Opinion in Cell Biology</i> , 2012 , 24, 374-86	9	200
99	Attenuation of Notch and Hedgehog signaling is required for fate specification in the spinal cord. <i>PLoS Genetics</i> , 2012 , 8, e1002762	6	56
98	Touch responsiveness in zebrafish requires voltage-gated calcium channel 2.1b. <i>Journal of Neurophysiology</i> , 2012 , 108, 148-59	3.2	19

97	Robo2 determines subtype-specific axonal projections of trigeminal sensory neurons. <i>Development (Cambridge)</i> , 2012 , 139, 591-600	6.6	33
96	The role of hair cells, cilia and ciliary motility in otolith formation in the zebrafish otic vesicle. <i>Development (Cambridge)</i> , 2012 , 139, 1777-87	6.6	47
95	BAPTI and BAPTISM birthdating of neurons in zebrafish. <i>Cold Spring Harbor Protocols</i> , 2012 , 2012, 87-92	1.2	2
94	Smac mimetic bypasses apoptosis resistance in FADD- or caspase-8-deficient cells by priming for tumor necrosis factor β -induced necroptosis. <i>Neoplasia</i> , 2011 , 13, 971-9	6.4	79
93	Morphogen gradients: from generation to interpretation. <i>Annual Review of Cell and Developmental Biology</i> , 2011 , 27, 377-407	12.6	372
92	Multicolor Brainbow imaging in zebrafish. <i>Cold Spring Harbor Protocols</i> , 2011 , 2011, pdb.prot5546	1.2	60
91	Extracellular movement of signaling molecules. <i>Developmental Cell</i> , 2011 , 21, 145-58	10.2	75
90	Non-coding RNAs as regulators of embryogenesis. <i>Nature Reviews Genetics</i> , 2011 , 12, 136-49	30.1	454
89	Chromatin signature of embryonic pluripotency is established during genome activation. <i>Nature</i> , 2010 , 464, 922-6	50.4	285
88	Monitoring neural activity with bioluminescence during natural behavior. <i>Nature Neuroscience</i> , 2010 , 13, 513-20	25.5	171
87	no tail integrates two modes of mesoderm induction. <i>Development (Cambridge)</i> , 2010 , 137, 1127-35	6.6	40
86	Monitoring sleep and arousal in zebrafish. <i>Methods in Cell Biology</i> , 2010 , 100, 281-94	1.8	56
85	Zebrafish behavioral profiling links drugs to biological targets and rest/wake regulation. <i>Science</i> , 2010 , 327, 348-51	33.3	556
84	Nodal morphogens. <i>Cold Spring Harbor Perspectives in Biology</i> , 2009 , 1, a003459	10.2	207
83	Dampened Hedgehog signaling but normal Wnt signaling in zebrafish without cilia. <i>Development (Cambridge)</i> , 2009 , 136, 3089-98	6.6	165
82	Targeted mutagenesis in zebrafish. <i>Nature Biotechnology</i> , 2008 , 26, 650-1	44.5	27
81	Escape behavior elicited by single, channelrhodopsin-2-evoked spikes in zebrafish somatosensory neurons. <i>Current Biology</i> , 2008 , 18, 1133-7	6.3	210
80	In vivo birthdating by BAPTISM reveals that trigeminal sensory neuron diversity depends on early neurogenesis. <i>Development (Cambridge)</i> , 2008 , 135, 3259-69	6.6	48

79	Members of the miRNA-200 family regulate olfactory neurogenesis. <i>Neuron</i> , 2008 , 57, 41-55	13.9	218
78	Clearing the path for germ cells. <i>Cell</i> , 2008 , 132, 337-9	56.2	13
77	Zebrafish TRPA1 channels are required for chemosensation but not for thermosensation or mechanosensory hair cell function. <i>Journal of Neuroscience</i> , 2008 , 28, 10102-10	6.6	124
76	Nodal signaling promotes the speed and directional movement of cardiomyocytes in zebrafish. <i>Developmental Dynamics</i> , 2008 , 237, 3624-33	2.9	33
75	The maternal-zygotic transition: death and birth of RNAs. <i>Science</i> , 2007 , 316, 406-7	33.3	298
74	Maternal nodal and zebrafish embryogenesis. <i>Nature</i> , 2007 , 450, E1-2; discussion E2-4	50.4	25
73	Target protectors reveal dampening and balancing of Nodal agonist and antagonist by miR-430. <i>Science</i> , 2007 , 318, 271-4	33.3	435
72	Nodal signaling activates differentiation genes during zebrafish gastrulation. <i>Developmental Biology</i> , 2007 , 304, 525-40	3.1	56
71	Loss-of-function mutations in growth differentiation factor-1 (GDF1) are associated with congenital heart defects in humans. <i>American Journal of Human Genetics</i> , 2007 , 81, 987-94	11	107
70	Differential regulation of germline mRNAs in soma and germ cells by zebrafish miR-430. <i>Current Biology</i> , 2006 , 16, 2135-42	6.3	259
69	Polycystin-2 immunolocalization and function in zebrafish. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 2706-18	12.7	90
68	Hypocretin/orexin overexpression induces an insomnia-like phenotype in zebrafish. <i>Journal of Neuroscience</i> , 2006 , 26, 13400-10	6.6	362
67	MicroRNA function and mechanism: insights from zebra fish. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2006 , 71, 195-203	3.9	60
66	Planar cell polarity signalling couples cell division and morphogenesis during neurulation. <i>Nature</i> , 2006 , 439, 220-4	50.4	305
65	Zebrafish MiR-430 promotes deadenylation and clearance of maternal mRNAs. <i>Science</i> , 2006 , 312, 75-9	33.3	1222
64	MicroRNAs regulate brain morphogenesis in zebrafish. <i>Science</i> , 2005 , 308, 833-8	33.3	1080
63	Zebrafish Gli3 functions as both an activator and a repressor in Hedgehog signaling. <i>Developmental Biology</i> , 2005 , 277, 537-56	3.1	86
62	Assembly of trigeminal sensory ganglia by chemokine signaling. <i>Neuron</i> , 2005 , 47, 653-66	13.9	77

61	Molecular genetics of axis formation in zebrafish. <i>Annual Review of Genetics</i> , 2005 , 39, 561-613	14.5	371
60	Nodal stability determines signaling range. <i>Current Biology</i> , 2005 , 15, 31-6	6.3	87
59	Repulsive interactions shape the morphologies and functional arrangement of zebrafish peripheral sensory arbors. <i>Current Biology</i> , 2005 , 15, 804-14	6.3	135
58	Axis formation: squint comes into focus. <i>Current Biology</i> , 2005 , 15, R1002-5	6.3	5
57	Cilia-driven fluid flow in the zebrafish pronephros, brain and Kupffer's vesicle is required for normal organogenesis. <i>Development (Cambridge)</i> , 2005 , 132, 1907-21	6.6	523
56	Lefty blocks a subset of TGFbeta signals by antagonizing EGF-CFC coreceptors. <i>PLoS Biology</i> , 2004 , 2, E30	9.7	120
55	Developmental biology: tail of decay. <i>Nature</i> , 2004 , 427, 403-4	50.4	2
54	Inactivation of dispatched 1 by the chameleon mutation disrupts Hedgehog signalling in the zebrafish embryo. <i>Developmental Biology</i> , 2004 , 269, 381-92	3.1	69
53	Genetic analysis of zebrafish gli1 and gli2 reveals divergent requirements for gli genes in vertebrate development. <i>Development (Cambridge)</i> , 2003 , 130, 1549-64	6.6	194
52	Mixer/Bon and FoxH1/Sur have overlapping and divergent roles in Nodal signaling and mesendoderm induction. <i>Development (Cambridge)</i> , 2003 , 130, 5589-99	6.6	46
51	Chemokine signaling: rules of attraction. <i>Current Biology</i> , 2003 , 13, R192-4	6.3	43
50	Nodal signaling in vertebrate development. <i>Annual Review of Cell and Developmental Biology</i> , 2003 , 19, 589-621	12.6	540
49	The role of the zebrafish nodal-related genes squint and cyclops in patterning of mesendoderm. <i>Development (Cambridge)</i> , 2003 , 130, 1837-51	6.6	155
48	EGF-CFC proteins are essential coreceptors for the TGF-beta signals Vg1 and GDF1. <i>Genes and Development</i> , 2003 , 17, 31-6	12.6	140
47	Lefty proteins are long-range inhibitors of squint-mediated nodal signaling. <i>Current Biology</i> , 2002 , 12, 2124-8	6.3	132
46	A loss-of-function mutation in the CFC domain of TDGF1 is associated with human forebrain defects. <i>Human Genetics</i> , 2002 , 110, 422-8	6.3	86
45	Production of maternal-zygotic mutant zebrafish by germ-line replacement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14919-24	11.5	170
44	Stat3 Controls Cell Movements during Zebrafish Gastrulation. <i>Developmental Cell</i> , 2002 , 2, 363-75	10.2	155

43	A novel microtubule destabilizing entity from orthogonal synthesis of triazine library and zebrafish embryo screening. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11608-9	16.4	113
42	Mesoderm induction and patterning. <i>Results and Problems in Cell Differentiation</i> , 2002 , 40, 15-27	1.4	7
41	The zebrafish Nodal signal Squint functions as a morphogen. <i>Nature</i> , 2001 , 411, 607-10	50.4	241
40	Single-cell internalization during zebrafish gastrulation. <i>Current Biology</i> , 2001 , 11, 1261-5	6.3	63
39	Axis formation and patterning in zebrafish. <i>Current Opinion in Genetics and Development</i> , 2001 , 11, 393-404	4.9	118
38	The homeobox genes <i>sox2</i> and <i>sox3</i> are redundant repressors of dorsal fates in zebrafish. <i>Development (Cambridge)</i> , 2001 , 128, 2407-2420	6.6	84
37	Loss-of-function mutations in the EGF-CFC gene <i>CFC1</i> are associated with human left-right laterality defects. <i>Nature Genetics</i> , 2000 , 26, 365-9	36.3	288
36	Nodal signalling in vertebrate development. <i>Nature</i> , 2000 , 403, 385-9	50.4	449
35	Nodal-related signals establish mesendodermal fate and trunk neural identity in zebrafish. <i>Current Biology</i> , 2000 , 10, 531-4	6.3	102
34	<i>Fast1</i> is required for the development of dorsal axial structures in zebrafish. <i>Current Biology</i> , 2000 , 10, 1051-4	6.3	99
33	The EGF-CFC gene family in vertebrate development. <i>Trends in Genetics</i> , 2000 , 16, 303-9	8.5	188
32	Genetic linkage mapping of zebrafish genes and ESTs. <i>Genome Research</i> , 2000 , 10, 558-67	9.7	82
31	A nodal signaling pathway regulates the laterality of neuroanatomical asymmetries in the zebrafish forebrain. <i>Neuron</i> , 2000 , 28, 399-409	13.9	224
30	Analysis of chromosomal rearrangements induced by postmeiotic mutagenesis with ethylnitrosourea in zebrafish. <i>Genetics</i> , 2000 , 155, 261-72	4	24
29	Conserved and divergent mechanisms in left-right axis formation. <i>Genes and Development</i> , 2000 , 14, 763-776	12.6	76
28	Positional cloning of mutated zebrafish genes. <i>Methods in Cell Biology</i> , 1999 , 60, 259-86	1.8	69
27	A radiation hybrid map of the zebrafish genome. <i>Nature Genetics</i> , 1999 , 23, 86-9	36.3	241
26	Mouse <i>Lefty2</i> and zebrafish <i>antivin</i> are feedback inhibitors of nodal signaling during vertebrate gastrulation. <i>Molecular Cell</i> , 1999 , 4, 287-98	17.6	325

25	The EGF-CFC protein one-eyed pinhead is essential for nodal signaling. <i>Cell</i> , 1999 , 97, 121-32	56.2	622
24	Comparative synteny cloning of zebrafish you-too: mutations in the Hedgehog target gli2 affect ventral forebrain patterning. <i>Genes and Development</i> , 1999 , 13, 388-93	12.6	246
23	A Genetic Linkage Map for Zebrafish: Comparative Analysis and Localization of Genes and Expressed Sequences. <i>Genome Research</i> , 1999 , 9, 334-347	9.7	97
22	Conserved requirement for EGF-CFC genes in vertebrate left-right axis formation. <i>Genes and Development</i> , 1999 , 13, 2527-37	12.6	196
21	Zebrafish organizer development and germ-layer formation require nodal-related signals. <i>Nature</i> , 1998 , 395, 181-5	50.4	565
20	The zebrafish organizer. <i>Current Opinion in Genetics and Development</i> , 1998 , 8, 464-71	4.9	47
19	Positional cloning identifies zebrafish one-eyed pinhead as a permissive EGF-related ligand required during gastrulation. <i>Cell</i> , 1998 , 92, 241-51	56.2	399
18	Genetics of neural development in zebrafish. <i>Current Opinion in Neurobiology</i> , 1997 , 7, 119-26	7.6	25
17	From screens to genes: prospects for insertional mutagenesis in zebrafish. <i>Genes and Development</i> , 1996 , 10, 3077-80	12.6	18
16	Developmental regulation of expression and activity of multiple forms of the Drosophila RAC protein kinase. <i>Journal of Biological Chemistry</i> , 1995 , 270, 4066-75	5.4	45
15	Homeodomain-DNA Recognition. <i>World Scientific Series in 20th Century Chemistry</i> , 1995 , 493-505		2
14	Zebrafish: genetic tools for studying vertebrate development. <i>Trends in Genetics</i> , 1994 , 10, 152-9	8.5	243
13	Homeodomain-DNA recognition. <i>Cell</i> , 1994 , 78, 211-23	56.2	704
12	Functional specificity of the homeodomain protein fushi tarazu: the role of DNA-binding specificity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 1450-4 ^{11.5}		54
11	Direct homeodomain-DNA interaction in the autoregulation of the fushi tarazu gene. <i>Nature</i> , 1992 , 356, 804-7	50.4	171
10	Analysis of the ftz upstream element: germ layer-specific enhancers are independently autoregulated. <i>Genes and Development</i> , 1990 , 4, 1224-39	12.6	95
9	Homeodomain proteins and the regulation of gene expression. <i>Current Opinion in Cell Biology</i> , 1990 , 2, 485-95	9	109
8	The specificities of Sex combs reduced and Antennapedia are defined by a distinct portion of each protein that includes the homeodomain. <i>Cell</i> , 1990 , 62, 1087-103	56.2	192

7	Convergent Temperature Representations in Artificial and Biological Neural Networks. <i>SSRN Electronic Journal</i> ,	1	1
6	Phenotypic landscape of schizophrenia-associated genes defines candidates and their shared functions		3
5	Whole organism lineage tracing by combinatorial and cumulative genome editing		4
4	The pattern of Nodal morphogen signaling is shaped by co-receptor expression		3
3	Gene family evolution underlies cell type diversification in the hypothalamus of teleosts		4
2	Simultaneous single-cell profiling of lineages and cell types in the vertebrate brain by scGESTALT		7
1	Long non-coding RNAs are largely dispensable for zebrafish embryogenesis, viability and fertility		2