

Gerald M Rubin

List of Publications by Year in descending order

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234
papers

101,100
citations

620

123
h-index

1080

232
g-index

321
all docs

321
docs citations

321
times ranked

93724
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene Ontology: tool for the unification of biology. <i>Nature Genetics</i> , 2000, 25, 25-29.	20.4	35,841
2	The Genome Sequence of <i>Drosophila melanogaster</i> . <i>Science</i> , 2000, 287, 2185-2195.	20.9	5,617
3	Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16899-16903.	7.6	1,628
4	Comparative Genomics of the Eukaryotes. <i>Science</i> , 2000, 287, 2204-2215.	20.9	1,583
5	A Whole-Genome Assembly of <i>Drosophila</i> . <i>Science</i> , 2000, 287, 2196-2204.	20.9	1,464
6	A GAL4-Driver Line Resource for <i>Drosophila</i> Neurobiology. <i>Cell Reports</i> , 2012, 2, 991-1001.	6.3	1,361
7	Refinement of Tools for Targeted Gene Expression in <i>Drosophila</i> . <i>Genetics</i> , 2010, 186, 735-755.	2.9	1,065
8	Molecular characterization of the <i>drosophila</i> <i>trp</i> locus: A putative integral membrane protein required for phototransduction. <i>Neuron</i> , 1989, 2, 1313-1323.	8.0	1,010
9	Tools for neuroanatomy and neurogenetics in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9715-9720.	7.6	947
10	Structures of P transposable elements and their sites of insertion and excision in the <i>Drosophila melanogaster</i> genome. <i>Cell</i> , 1983, 34, 25-35.	27.8	922
11	Ras1 and a putative guanine nucleotide exchange factor perform crucial steps in signaling by the sevenless protein tyrosine kinase. <i>Cell</i> , 1991, 67, 701-716.	27.8	892
12	Analysis of P transposable element functions in <i>drosophila</i> . <i>Cell</i> , 1984, 38, 135-146.	27.8	855
13	The BDGP Gene Disruption Project. <i>Genetics</i> , 2004, 167, 761-781.	2.9	782
14	The Toll and Imd pathways are the major regulators of the immune response in <i>Drosophila</i> . <i>EMBO Journal</i> , 2002, 21, 2568-2579.	8.2	774
15	<i>Drosophila</i> homologs of baculovirus inhibitor of apoptosis proteins function to block cell death. <i>Cell</i> , 1995, 83, 1253-1262.	27.8	736
16	The Berkeley <i>Drosophila</i> Genome Project Gene Disruption Project: Single P-Element Insertions Mutating 25% of Vital <i>Drosophila</i> Genes. <i>Genetics</i> , 1999, 153, 135-177.	2.9	734
17	A connectome and analysis of the adult <i>Drosophila</i> central brain. <i>ELife</i> , 2020, 9, .	5.9	712
18	The activities of two Ets-related transcription factors required for <i>drosophila</i> eye development are modulated by the Ras/MAPK pathway. <i>Cell</i> , 1994, 78, 137-147.	27.8	696

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19	A Computer Program for Aligning a cDNA Sequence with a Genomic DNA Sequence. <i>Genome Research</i> , 1998, 8, 967-974.	5.6	683
20	Genome-wide analysis of the <i>Drosophila</i> immune response by using oligonucleotide microarrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 12590-12595.	7.6	662
21	Tissue specificity of <i>Drosophila</i> P element transposition is regulated at the level of mRNA splicing. <i>Cell</i> , 1986, 44, 7-19.	27.8	650
22	A visual motion detection circuit suggested by <i>Drosophila</i> connectomics. <i>Nature</i> , 2013, 500, 175-181.	36.2	648
23	The molecular basis of P-M hybrid dysgenesis: The role of the P element, a P-strain-specific transposon family. <i>Cell</i> , 1982, 29, 995-1004.	27.8	637
24	Computational identification of <i>Drosophila</i> microRNA genes. <i>Genome Biology</i> , 2003, 4, R42.	7.3	629
25	Systematic determination of patterns of gene expression during <i>Drosophila</i> embryogenesis. <i>Genome Biology</i> , 2002, 3, research0088.1.	7.3	619
26	<i>Drosophila</i> Fragile X-Related Gene Regulates the MAP1B Homolog Futsch to Control Synaptic Structure and Function. <i>Cell</i> , 2001, 107, 591-603.	27.8	611
27	Vectors for P element-mediated gene transfer in <i>Drosophila</i> . <i>Nucleic Acids Research</i> , 1983, 11, 6341-6351.	14.0	579
28	Cloning of DNA sequences from the white locus of <i>D. melanogaster</i> by a novel and general method. <i>Cell</i> , 1981, 25, 693-704.	27.8	566
29	A subset of dopamine neurons signals reward for odour memory in <i>Drosophila</i> . <i>Nature</i> , 2012, 488, 512-516.	36.2	564
30	Exploiting transcription factor binding site clustering to identify cis-regulatory modules involved in pattern formation in the <i>Drosophila</i> genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 757-762.	7.6	545
31	The molecular basis of P-M hybrid dysgenesis: The nature of induced mutations. <i>Cell</i> , 1982, 29, 987-994.	27.8	520
32	Optimized tools for multicolor stochastic labeling reveal diverse stereotyped cell arrangements in the fly visual system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2967-76.	7.6	516
33	Isolation and structure of a rhodopsin gene from <i>D. melanogaster</i> . <i>Cell</i> , 1985, 40, 851-858.	27.8	508
34	Kuzbanian Controls Proteolytic Processing of Notch and Mediates Lateral Inhibition during <i>Drosophila</i> and Vertebrate Neurogenesis. <i>Cell</i> , 1997, 90, 271-280.	27.8	494
35	The <i>drosophila</i> seven-up gene, a member of the steroid receptor gene superfamily, controls photoreceptor cell fates. <i>Cell</i> , 1990, 60, 211-224.	27.8	490
36	The transposable elements of the <i>Drosophila melanogaster</i> euchromatin: a genomics perspective. <i>Genome Biology</i> , 2002, 3, RESEARCH0084.	9.2	483

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37	Transformation of white locus DNA in <i>Drosophila</i> : Dosage compensation, zeste interaction, and position effects. <i>Cell</i> , 1984, 36, 469-481.	27.8	459
38	Making a difference: The role of cell-cell interactions in establishing separate identities for equivalent cells. <i>Cell</i> , 1992, 68, 271-281.	27.8	456
39	The Role of the Genome Project in Determining Gene Function: Insights from Model Organisms. <i>Cell</i> , 1996, 86, 521-529.	27.8	453
40	The effect of chromosomal position on the expression of the <i>Drosophila</i> xanthine dehydrogenase gene. <i>Cell</i> , 1983, 34, 47-57.	27.8	435
41	<i>Drosophila</i> p53 Binds a Damage Response Element at the reaper Locus. <i>Cell</i> , 2000, 101, 103-113.	27.8	435
42	Evidence for large domains of similarly expressed genes in the <i>Drosophila</i> genome. <i>Journal of Biology</i> , 2002, 1, 5.	2.5	427
43	The TGF β 2 homolog <i>dpp</i> and the segment polarity gene <i>hedgehog</i> are required for propagation of a morphogenetic wave in the <i>Drosophila</i> retina. <i>Cell</i> , 1993, 75, 913-926.	27.8	420
44	The Release 6 reference sequence of the <i>Drosophila melanogaster</i> genome. <i>Genome Research</i> , 2015, 25, 445-458.	5.6	403
45	Global analysis of patterns of gene expression during <i>Drosophila</i> embryogenesis. <i>Genome Biology</i> , 2007, 8, R145.	7.3	398
46	KSR, a novel protein kinase required for RAS signal transduction. <i>Cell</i> , 1995, 83, 879-888.	27.8	383
47	Computational analysis of core promoters in the <i>Drosophila</i> genome. <i>Genome Biology</i> , 2002, 3, research0087.1.	7.3	382
48	Using translational enhancers to increase transgene expression in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6626-6631.	7.6	382
49	Identification and immunochemical analysis of biologically active <i>Drosophila</i> P element transposase. <i>Cell</i> , 1986, 44, 21-32.	27.8	370
50	A <i>Drosophila</i> Complementary DNA Resource. <i>Science</i> , 2000, 287, 2222-2224.	20.9	337
51	A directional tuning map of <i>Drosophila</i> elementary motion detectors. <i>Nature</i> , 2013, 500, 212-216.	36.2	336
52	Yan functions as a general inhibitor of differentiation and is negatively regulated by activation of the Ras1/MAPK pathway. <i>Cell</i> , 1995, 81, 857-866.	27.8	333
53	The Nucleotide Sequence of <i>Saccharomyces cerevisiae</i> 5.8 S Ribosomal Ribonucleic Acid. <i>Journal of Biological Chemistry</i> , 1973, 248, 3860-3875.	3.5	333
54	Signalling by the sevenless protein tyrosine kinase is mimicked by Ras1 activation. <i>Nature</i> , 1992, 355, 559-561.	36.2	332

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55	DNA sequence of the white locus of <i>Drosophila melanogaster</i> . <i>Journal of Molecular Biology</i> , 1984, 180, 437-455.	4.3	331
56	Finishing a whole-genome shotgun: release 3 of the <i>Drosophila melanogaster</i> euchromatic genome sequence. <i>Genome Biology</i> , 2002, 3, research0079.1.	7.3	321
57	Heterosynaptic Plasticity Underlies Aversive Olfactory Learning in <i>Drosophila</i> . <i>Neuron</i> , 2015, 88, 985-998.	8.0	318
58	Transposition of elements of the 412, copia and 297 dispersed repeated gene families in <i>drosophila</i> . <i>Cell</i> , 1979, 17, 415-427.	27.8	317
59	The <i>Drosophila ninaC</i> locus encodes two photoreceptor cell specific proteins with domains homologous to protein kinases and the myosin heavy chain head. <i>Cell</i> , 1988, 52, 757-772.	27.8	316
60	seven in absentia, a gene required for specification of R7 cell fate in the <i>Drosophila</i> eye. <i>Cell</i> , 1990, 63, 561-577.	27.8	315
61	A putative Ras GTPase activating protein acts as a negative regulator of signaling by the Sevenless receptor tyrosine kinase. <i>Cell</i> , 1992, 68, 1007-1019.	27.8	312
62	Annotation of the <i>Drosophila melanogaster</i> euchromatic genome: a systematic review. <i>Genome Biology</i> , 2002, 3, research0083.1.	7.3	310
63	<i>Drosophila</i> Neuralized Is a Ubiquitin Ligase that Promotes the Internalization and Degradation of Delta. <i>Developmental Cell</i> , 2001, 1, 783-794.	7.0	307
64	Mutations in Hsp83 and cdc37 impair signaling by the sevenless receptor tyrosine kinase in <i>Drosophila</i> . <i>Cell</i> , 1994, 77, 1027-1036.	27.8	301
65	Targeted mutagenesis by homologous recombination in <i>D. melanogaster</i> . <i>Genes and Development</i> , 2002, 16, 1568-1581.	5.9	300
66	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. <i>Science</i> , 2019, 363, .	20.9	300
67	<i>Drosophila melanogaster</i> MNK/Chk2 and p53 Regulate Multiple DNA Repair and Apoptotic Pathways following DNA Damage. <i>Molecular and Cellular Biology</i> , 2004, 24, 1219-1231.	2.5	288
68	The connectome of the adult <i>Drosophila</i> mushroom body provides insights into function. <i>ELife</i> , 2020, 9, .	5.9	284
69	Neuroarchitecture and neuroanatomy of the <i>Drosophila</i> central complex: A GAL4-based dissection of protocerebral bridge neurons and circuits. <i>Journal of Comparative Neurology</i> , 2015, 523, 997-1037.	2.0	282
70	Localization of the sevenless protein, a putative receptor for positional information, in the eye imaginal disc of <i>Drosophila</i> . <i>Cell</i> , 1987, 51, 143-150.	27.8	276
71	Dopaminergic neurons write and update memories with cell-type-specific rules. <i>ELife</i> , 2016, 5, .	5.9	262
72	Pervasive regulation of <i>Drosophila</i> Notch target genes by GY-box-, Brd-box-, and K-box-class microRNAs. <i>Genes and Development</i> , 2005, 19, 1067-1080.	5.9	261

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73	Drosophila microRNAs exhibit diverse spatial expression patterns during embryonic development. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18017-18022.	7.6	256
74	Mushroom body efferent neurons responsible for aversive olfactory memory retrieval in Drosophila. Nature Neuroscience, 2011, 14, 903-910.	14.5	255
75	gigas, a Drosophila Homolog of Tuberous Sclerosis Gene Product-2, Regulates the Cell Cycle. Cell, 1999, 96, 529-539.	27.8	254
76	A Screen for Genes That Function Downstream of Ras1 During Drosophila Eye Development. Genetics, 1996, 143, 315-329.	2.9	254
77	cAMP-dependent protein kinase and hedgehog act antagonistically in regulating decapentaplegic transcription in drosophila imaginal discs. Cell, 1995, 80, 543-552.	27.8	251
78	disconnected: A locus required for neuronal pathway formation in the visual system of drosophila. Cell, 1987, 50, 1139-1153.	27.8	244
79	The argos gene encodes a diffusible factor that regulates cell fate decisions in the drosophila eye. Cell, 1992, 69, 963-975.	27.8	244
80	High-performance probes for light and electron microscopy. Nature Methods, 2015, 12, 568-576.	19.6	244
81	The glia of the adult <i>Drosophila</i> nervous system. Glia, 2017, 65, 606-638.	5.3	240
82	The glass gene encodes a zinc-finger protein required by Drosophila photoreceptor cells. Nature, 1989, 340, 531-536.	36.2	239
83	Heterochromatic sequences in a Drosophila whole-genome shotgun assembly. Genome Biology, 2002, 3, research0085.1.	7.3	239
84	Mutations in the drosophila Rop gene suggest a function in general secretion and synaptic transmission. Neuron, 1994, 13, 555-566.	8.0	237
85	Analysis of the Promoter of the <i>ninaE</i> Opsin Gene in <i>Drosophila melanogaster</i> . Genetics, 1987, 116, 565-578.	2.9	237
86	Polymorphisms in the chromosomal locations of elements of the 412, copia and 297 dispersed repeated gene families in drosophila. Cell, 1979, 17, 429-439.	27.8	236
87	Human DNA sequences homologous to a protein coding region conserved between homeotic genes of Drosophila. Cell, 1984, 38, 667-673.	27.8	234
88	Drosophila Matrix Metalloproteinases Are Required for Tissue Remodeling, but Not Embryonic Development. Developmental Cell, 2003, 4, 95-106.	7.0	229
89	Effect on eye development of dominant mutations in Drosophila homologue of the EGF receptor. Nature, 1989, 340, 150-153.	36.2	228
90	Distinct dopamine neurons mediate reward signals for short- and long-term memories. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 578-583.	7.6	227

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91	The Ras signaling pathway in <i>Drosophila</i> . <i>Current Opinion in Genetics and Development</i> , 1995, 5, 44-50.	3.4	224
92	PHYL Acts to Down-Regulate TTK88, a Transcriptional Repressor of Neuronal Cell Fates, by a SINA-Dependent Mechanism. <i>Cell</i> , 1997, 90, 459-467.	27.8	223
93	A Brief History of <i>Drosophila</i> 's Contributions to Genome Research. <i>Science</i> , 2000, 287, 2216-2218.	20.9	220
94	Contributions of the 12 Neuron Classes in the Fly Lamina to Motion Vision. <i>Neuron</i> , 2013, 79, 128-140.	8.0	206
95	Mapping the Neural Substrates of Behavior. <i>Cell</i> , 2017, 170, 393-406.e28.	27.8	203
96	rough, a <i>Drosophila</i> homeobox gene required in photoreceptors R2 and R5 for inductive interactions in the developing eye. <i>Cell</i> , 1988, 55, 771-784.	27.8	200
97	A connectome of the <i>Drosophila</i> central complex reveals network motifs suitable for flexible navigation and context-dependent action selection. <i>ELife</i> , 2021, 10, .	5.9	200
98	Identification of Constitutive and Ras-Inducible Phosphorylation Sites of KSR: Implications for 14-3-3 Binding, Mitogen-Activated Protein Kinase Binding, and KSR Overexpression. <i>Molecular and Cellular Biology</i> , 1999, 19, 229-240.	2.5	195
99	A genetic, genomic, and computational resource for exploring neural circuit function. <i>ELife</i> , 2020, 9, .	5.9	190
100	Computational identification of developmental enhancers: conservation and function of transcription factor binding-site clusters in <i>Drosophila melanogaster</i> and <i>Drosophila pseudoobscura</i> . <i>Genome Biology</i> , 2004, 5, R61.	7.3	184
101	The embryonic expression patterns of <i>zfh-1</i> and <i>zfh-2</i> , two <i>Drosophila</i> genes encoding novel zinc-finger homeodomain proteins. <i>Mechanisms of Development</i> , 1991, 34, 123-134.	1.7	182
102	The <i>Drosophila</i> Gene Collection: Identification of Putative Full-Length cDNAs for 70% of <i>D. melanogaster</i> Genes. <i>Genome Research</i> , 2002, 12, 1294-1300.	5.6	181
103	P1 interneurons promote a persistent internal state that enhances inter-male aggression in <i>Drosophila</i> . <i>ELife</i> , 2015, 4, .	5.9	181
104	Genetic Reagents for Making Split-GAL4 Lines in <i>Drosophila</i> . <i>Genetics</i> , 2018, 209, 31-35.	2.9	180
105	Insertion of the <i>drosophila</i> transposable element <i>copia</i> generates a 5 base pair duplication. <i>Cell</i> , 1980, 21, 575-579.	27.8	178
106	Shared mushroom body circuits underlie visual and olfactory memories in <i>Drosophila</i> . <i>ELife</i> , 2014, 3, e02395.	5.9	173
107	The comprehensive connectome of a neural substrate for Ca^{2+} motion detection in <i>Drosophila</i> . <i>ELife</i> , 2017, 6, .	5.9	173
108	Chapter 4 Preparation of RNA and Ribosomes from Yeast. <i>Methods in Cell Biology</i> , 1975, 12, 45-64.	2.1	172

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109	Effects of transposable element insertions on RNA encoded by the white gene of <i>Drosophila</i> . <i>Cell</i> , 1984, 38, 471-481.	27.8	169
110	A <i>Drosophila</i> full-length cDNA resource. <i>Genome Biology</i> , 2002, 3, research0080.1.	7.3	168
111	CNK, a RAF-Binding Multidomain Protein Required for RAS Signaling. <i>Cell</i> , 1998, 95, 343-353.	27.8	166
112	ARGONAUTE1 is required for efficient RNA interference in <i>Drosophila</i> embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6889-6894.	7.6	166
113	KSR stimulates Raf-1 activity in a kinase-independent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 12792-12796.	7.6	165
114	Terminal repeats of the <i>drosophila</i> transposable element copia: Nucleotide sequence and genomic organization. <i>Cell</i> , 1980, 21, 581-588.	27.8	157
115	The <i>Drosophila</i> <i>zfh-1</i> and <i>zfh-2</i> genes encode novel proteins containing both zinc-finger and homeodomain motifs. <i>Mechanisms of Development</i> , 1991, 34, 113-122.	1.7	156
116	Multiple new site-specific recombinases for use in manipulating animal genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14198-14203.	7.6	156
117	The Emergence of Directional Selectivity in the Visual Motion Pathway of <i>Drosophila</i> . <i>Neuron</i> , 2017, 94, 168-182.e10.	8.0	153
118	Synaptic function modulated by changes in the ratio of synaptotagmin I and IV. <i>Nature</i> , 1999, 400, 757-760.	36.2	150
119	Plasticity-driven individualization of olfactory coding in mushroom body output neurons. <i>Nature</i> , 2015, 526, 258-262.	36.2	146
120	A Higher Brain Circuit for Immediate Integration of Conflicting Sensory Information in <i>Drosophila</i> . <i>Current Biology</i> , 2015, 25, 2203-2214.	4.0	146
121	Complete Connectomic Reconstruction of Olfactory Projection Neurons in the Fly Brain. <i>Current Biology</i> , 2020, 30, 3183-3199.e6.	4.0	146
122	The ubiquitin ligase <i>Drosophila</i> Mind bomb promotes Notch signaling by regulating the localization and activity of Serrate and Delta. <i>Development (Cambridge)</i> , 2005, 132, 2319-2332.	2.6	145
123	Reward signal in a recurrent circuit drives appetitive long-term memory formation. <i>ELife</i> , 2015, 4, e10719.	5.9	144
124	The Mind of a Mouse. <i>Cell</i> , 2020, 182, 1372-1376.	27.8	142
125	An opsin gene expressed in only one photoreceptor cell type of the <i>Drosophila</i> eye. <i>Cell</i> , 1986, 44, 705-710.	27.8	140
126	Propagation of Homeostatic Sleep Signals by Segregated Synaptic Microcircuits of the <i>Drosophila</i> Mushroom Body. <i>Current Biology</i> , 2015, 25, 2915-2927.	4.0	140

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127	Neurogenetic dissection of the <i>Drosophila</i> lateral horn reveals major outputs, diverse behavioural functions, and interactions with the mushroom body. <i>ELife</i> , 2019, 8, .	5.9	140
128	Ultra-selective looming detection from radial motion opponency. <i>Nature</i> , 2017, 551, 237-241.	36.2	137
129	Insertion site preferences of the P transposable element in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 3347-3351.	7.6	137
130	A Genetic Screen for Novel Components of the Ras/Mitogen-Activated Protein Kinase Signaling Pathway That Interact With the <i>yan</i> Gene of <i>Drosophila</i> Identifies split ends, a New RNA Recognition Motif-Containing Protein. <i>Genetics</i> , 2000, 154, 695-712.	2.9	136
131	The <i>Drosophila</i> Roughened mutation: Activation of a rap homolog disrupts eye development and interferes with cell determination. <i>Cell</i> , 1991, 67, 717-722.	27.8	134
132	Neuroarchitecture of the <i>Drosophila</i> central complex: A catalog of nodulus and asymmetrical body neurons and a revision of the protocerebral bridge catalog. <i>Journal of Comparative Neurology</i> , 2018, 526, 2585-2611.	2.0	134
133	Direct neural pathways convey distinct visual information to <i>Drosophila</i> mushroom bodies. <i>ELife</i> , 2016, 5, .	5.9	134
134	Ellipse mutations in the <i>Drosophila</i> homologue of the EGF receptor affect pattern formation, cell division, and cell death in eye imaginal discs. <i>Developmental Biology</i> , 1992, 150, 381-396.	2.1	131
135	phyllopod functions in the fate determination of a subset of photoreceptors in <i>drosophila</i> . <i>Cell</i> , 1995, 80, 463-472.	27.8	122
136	Assessing the impact of comparative genomic sequence data on the functional annotation of the <i>Drosophila</i> genome. <i>Genome Biology</i> , 2002, 3, research0086.1.	7.3	122
137	Representations of Novelty and Familiarity in a Mushroom Body Compartment. <i>Cell</i> , 2017, 169, 956-969.e17.	27.8	122
138	A Survey of 6,300 Genomic Fragments for cis-Regulatory Activity in the Imaginal Discs of <i>Drosophila melanogaster</i> . <i>Cell Reports</i> , 2012, 2, 1014-1024.	6.3	119
139	Neural Circuit to Integrate Opposing Motions in the Visual Field. <i>Cell</i> , 2015, 162, 351-362.	27.8	118
140	THE <i>DROSOPHILA MELANOGASTER</i> GENOME. <i>Annual Review of Genomics and Human Genetics</i> , 2003, 4, 89-117.	6.3	117
141	A Resource for Manipulating Gene Expression and Analyzing cis-Regulatory Modules in the <i>Drosophila</i> CNS. <i>Cell Reports</i> , 2012, 2, 1002-1013.	6.3	117
142	Quantitative Analysis of Bristle Number in <i>Drosophila</i> Mutants Identifies Genes Involved in Neural Development. <i>Current Biology</i> , 2003, 13, 1388-1396.	4.0	115
143	Effect of heat shock on the synthesis of low molecular weight RNAs in <i>drosophila</i> : Accumulation of a novel form of 5S RNA. <i>Cell</i> , 1975, 6, 207-213.	27.8	114
144	Identification of putative noncoding polyadenylated transcripts in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5495-5500.	7.6	112

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145	Information flow, cell types and stereotypy in a full olfactory connectome. <i>ELife</i> , 2021, 10, .	5.9	112
146	<i>mus304</i> encodes a novel DNA damage checkpoint protein required during <i>Drosophila</i> development. <i>Genes and Development</i> , 2000, 14, 666-678.	5.9	111
147	A high throughput screen to identify secreted and transmembrane proteins involved in <i>Drosophila</i> embryogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 9973-9978.	7.6	108
148	Nitric oxide acts as a cotransmitter in a subset of dopaminergic neurons to diversify memory dynamics. <i>ELife</i> , 2019, 8, .	5.9	108
149	Physical linkage of the 5 S cistrons to the 18 S and 28 S ribosomal RNA cistrons in <i>Saccharomyces cerevisiae</i> . <i>Journal of Molecular Biology</i> , 1973, 79, 521-530.	4.3	105
150	The Neuroanatomical Ultrastructure and Function of a Biological Ring Attractor. <i>Neuron</i> , 2020, 108, 145-163.e10.	8.0	103
151	A Misexpression Screen Identifies Genes That Can Modulate RAS1 Pathway Signaling in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2000, 156, 1219-1230.	2.9	102
152	P element insertion-dependent gene activation in the <i>Drosophila</i> eye. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 5195-5200.	7.6	101
153	FB elements are the common basis for the instability of the wDZL and wc <i>Drosophila</i> mutations. <i>Cell</i> , 1982, 30, 551-565.	27.8	96
154	A Genetic Screen to Identify Components of the sina Signaling Pathway in <i>Drosophila</i> Eye Development. <i>Genetics</i> , 1998, 148, 277-286.	2.9	90
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