Gerald M Rubin

List of Publications by Year in Descending Order

262 papers	80,345 citations	124 h-index	283 g-index
289 ext. papers	91,900 ext. citations	23.6 avg, IF	7.49 L-index

#	Paper	IF	Citations
262	A connectome of the central complex reveals network motifs suitable for flexible navigation and context-dependent action selection. *ELife*, **2021**, 10,	8.9	28
261	Information flow, cell types and stereotypy in a full olfactory connectome. *ELife*, **2021**, 10,	8.9	22
260	Synaptic targets of photoreceptors specialized to detect color and skylight polarization in .. *ELife*, **2021**, 10,	8.9	4
259	Toward nanoscale localization of memory engrams in. *Journal of Neurogenetics*, **2020**, 34, 151-155	1.6	5
258	A genetic, genomic, and computational resource for exploring neural circuit function. *ELife*, **2020**, 9,	8.9	78
257	A connectome and analysis of the adult central brain. *ELife*, **2020**, 9,	8.9	213
256	Author response: A connectome and analysis of the adult Drosophila central brain **2020**,		3
255	Spatial readout of visual looming in the central brain of. *ELife*, **2020**, 9,	8.9	10
254	Cell types and neuronal circuitry underlying female aggression in. *ELife*, **2020**, 9,	8.9	21
253	The connectome of the adult Drosophila mushroom body provides insights into function. *ELife*, **2020**, 9,	8.9	70
252	Input Connectivity Reveals Additional Heterogeneity of Dopaminergic Reinforcement in Drosophila. *Current Biology*, **2020**, 30, 3200-3211.e8	6.3	21
251	Complete Connectomic Reconstruction of Olfactory Projection Neurons in the Fly Brain. *Current Biology*, **2020**, 30, 3183-3199.e6	6.3	65
250	The Neuroanatomical Ultrastructure and Function of a Biological Ring Attractor. *Neuron*, **2020**, 108, 145-163.e10	13.9	17
249	The Mind of a Mouse. *Cell*, **2020**, 182, 1372-1376	56.2	49
248	Neurogenetic dissection of the lateral horn reveals major outputs, diverse behavioural functions, and interactions with the mushroom body. *ELife*, **2019**, 8,	8.9	73
247	Looking back and looking forward at Janelia. *ELife*, **2019**, 8,	8.9	2
246	Nitric oxide acts as a cotransmitter in a subset of dopaminergic neurons to diversify memory dynamics. *ELife*, **2019**, 8,	8.9	41

245	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. *Science*, **2019**, 363,	33.3	181
244	Genetic Reagents for Making Split-GAL4 Lines in. *Genetics*, **2018**, 209, 31-35	4	81
243	Neuroarchitecture of the Drosophila central complex: A catalog of nodulus and asymmetrical body neurons and a revision of the protocerebral bridge catalog. *Journal of Comparative Neurology*, **2018**, 526, 2585-2611	3.4	69
242	Communication from Learned to Innate Olfactory Processing Centers Is Required for Memory Retrieval in Drosophila. *Neuron*, **2018**, 100, 651-668.e8	13.9	51
241	The glia of the adult Drosophila nervous system. *Glia*, **2017**, 65, 606-638	9	114
240	Moonwalker Descending Neurons Mediate Visually Evoked Retreat in Drosophila. *Current Biology*, **2017**, 27, 766-771	6.3	42
239	Representations of Novelty and Familiarity in a Mushroom Body Compartment. *Cell*, **2017**, 169, 956-969.e17	56.2	69
238	The Emergence of Directional Selectivity in the Visual Motion Pathway of Drosophila. *Neuron*, **2017**, 94, 168-182.e10	13.9	88
237	A Circuit Node that Integrates Convergent Input from Neuromodulatory and Social Behavior-Promoting Neurons to Control Aggression in Drosophila. *Neuron*, **2017**, 95, 1112-1128.e7	13.9	50
236	Mapping the Neural Substrates of Behavior. *Cell*, **2017**, 170, 393-406.e28	56.2	134
235	Ultra-selective looming detection from radial motion opponency. *Nature*, **2017**, 551, 237-241	50.4	66
234	The comprehensive connectome of a neural substrate for 'ON' motion detection in. *ELife*, **2017**, 6,	8.9	109
233	Author response: The comprehensive connectome of a neural substrate for ON motion detection in Drosophila **2017**,		2
232	A connectome of a learning and memory center in the adult brain. *ELife*, **2017**, 6,	8.9	198
231	Author response: A connectome of a learning and memory center in the adult Drosophila brain **2017**,		3
230	Direct neural pathways convey distinct visual information to Drosophila mushroom bodies. *ELife*, **2016**, 5,	8.9	81
229	Dopaminergic neurons write and update memories with cell-type-specific rules. *ELife*, **2016**, 5,	8.9	126
228	Visual projection neurons in the lobula link feature detection to distinct behavioral programs. *ELife*, **2016**, 5,	8.9	132

227	Neural Circuit to Integrate Opposing Motions in the Visual Field. *Cell*, **2015**, 162, 351-362	56.2	73
226	High-performance probes for light and electron microscopy. *Nature Methods*, **2015**, 12, 568-76	21.6	140
225	Neuroarchitecture and neuroanatomy of the Drosophila central complex: A GAL4-based dissection of protocerebral bridge neurons and circuits. *Journal of Comparative Neurology*, **2015**, 523, 997-1037	3.4	193
224	Plasticity-driven individualization of olfactory coding in mushroom body output neurons. *Nature*, **2015**, 526, 258-62	50.4	95
223	Propagation of Homeostatic Sleep Signals by Segregated Synaptic Microcircuits of the Drosophila Mushroom Body. *Current Biology*, **2015**, 25, 2915-27	6.3	82
222	A Higher Brain Circuit for Immediate Integration of Conflicting Sensory Information in Drosophila. *Current Biology*, **2015**, 25, 2203-14	6.3	105
221	Neuroarchitecture and neuroanatomy of the Drosophila central complex: A GAL4-based dissection of protocerebral bridge neurons and circuits. *Journal of Comparative Neurology*, **2015**, 523, Spc1-Spc1	3.4	2
220	FlyBook: A Preface. *Genetics*, **2015**, 201, 343	4	1
219	Control of Sleep by Dopaminergic Inputs to the Drosophila Mushroom Body. *Frontiers in Neural Circuits*, **2015**, 9, 73	3.5	46
218	P1 interneurons promote a persistent internal state that enhances inter-male aggression in Drosophila. *ELife*, **2015**, 4,	8.9	123
217	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, 578-83	11.5	135
216	A dopamine-modulated neural circuit regulating aversive taste memory in Drosophila. *Current Biology*, **2015**, 25, 1535-41	6.3	60
215	Optimized tools for multicolor stochastic labeling reveal diverse stereotyped cell arrangements in the fly visual system. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E2967-76	11.5	289
214	Heterosynaptic Plasticity Underlies Aversive Olfactory Learning in Drosophila. *Neuron*, **2015**, 88, 985-998	13.9	189
213	The Release 6 reference sequence of the Drosophila melanogaster genome. *Genome Research*, **2015**, 25, 445-58	9.7	222
212	Neuron hemilineages provide the functional ground plan for the Drosophila ventral nervous system. *ELife*, **2015**, 4,	8.9	68
211	Author response: Neuron hemilineages provide the functional ground plan for the Drosophila ventral nervous system **2015**,		4
210	Reward signal in a recurrent circuit drives appetitive long-term memory formation. *ELife*, **2015**, 4, e10719	8.9	81

209	Author response: P1 interneurons promote a persistent internal state that enhances inter-male aggression in Drosophila **2015**,		3
208	Wide-field feedback neurons dynamically tune early visual processing. *Neuron*, **2014**, 82, 887-95	13.9	42
207	Shared mushroom body circuits underlie visual and olfactory memories in Drosophila. *ELife*, **2014**, 3, e02395	8.9	106
206	The neuronal architecture of the mushroom body provides a logic for associative learning. *ELife*, **2014**, 3, e04577	8.9	538
205	Mushroom body output neurons encode valence and guide memory-based action selection in Drosophila. *ELife*, **2014**, 3, e04580	8.9	369
204	Author response: Mushroom body output neurons encode valence and guide memory-based action selection in Drosophila **2014**,		4
203	Author response: The neuronal architecture of the mushroom body provides a logic for associative learning **2014**,		2
202	A visual motion detection circuit suggested by Drosophila connectomics. *Nature*, **2013**, 500, 175-81	50.4	471
201	A directional tuning map of Drosophila elementary motion detectors. *Nature*, **2013**, 500, 212-6	50.4	241
200	Contributions of the 12 neuron classes in the fly lamina to motion vision. *Neuron*, **2013**, 79, 128-40	13.9	136
199	A resource for manipulating gene expression and analyzing cis-regulatory modules in the Drosophila CNS. *Cell Reports*, **2012**, 2, 1002-13	10.6	93
198	A survey of 6,300 genomic fragments for cis-regulatory activity in the imaginal discs of Drosophila melanogaster. *Cell Reports*, **2012**, 2, 1014-24	10.6	94
197	A GAL4-driver line resource for Drosophila neurobiology. *Cell Reports*, **2012**, 2, 991-1001	10.6	897
196	A subset of dopamine neurons signals reward for odour memory in Drosophila. *Nature*, **2012**, 488, 512-6	50.4	373
195	The effort to make mosaic analysis a household tool. *Development (Cambridge)*, **2012**, 139, 4501-3	6.6	19
194	Using translational enhancers to increase transgene expression in Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 6626-31	11.5	244
193	Mushroom body efferent neurons responsible for aversive olfactory memory retrieval in Drosophila. *Nature Neuroscience*, **2011**, 14, 903-10	25.5	175
192	Multiple new site-specific recombinases for use in manipulating animal genomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 14198-203	11.5	118

191	Refinement of tools for targeted gene expression in Drosophila. *Genetics*, **2010**, 186, 735-55	4	685
190	Quick preparation of genomic DNA from Drosophila. *Cold Spring Harbor Protocols*, **2009**, 2009, pdb.prot5198	1.2	17
189	Recovery of DNA sequences flanking P-element insertions in Drosophila: inverse PCR and plasmid rescue. *Cold Spring Harbor Protocols*, **2009**, 2009, pdb.prot5199	1.2	21
188	Tools for neuroanatomy and neurogenetics in Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 9715-20	11.5	688
187	Biological Annotation of the Drosophila Genome Sequence. *Novartis Foundation Symposium*, **2008**, 79-83		4
186	Global analysis of patterns of gene expression during Drosophila embryogenesis. *Genome Biology*, **2007**, 8, R145	18.3	307
185	Global analyses of mRNA translational control during early Drosophila embryogenesis. *Genome Biology*, **2007**, 8, R63	18.3	68
184	Comparative Analysis of Spatial Patterns of Gene Expression in Drosophila melanogaster Imaginal Discs **2007**, 533-547		9
183	Large-scale trends in the evolution of gene structures within 11 animal genomes. *PLoS Computational Biology*, **2006**, 2, e15	5	63
182	Janelia Farm: an experiment in scientific culture. *Cell*, **2006**, 125, 209-12	56.2	13
181	Cathepsin D-deficient Drosophila recapitulate the key features of neuronal ceroid lipofuscinoses. *Neurobiology of Disease*, **2005**, 19, 194-9	7.5	66
180	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, 18017-22	11.5	219
179	Pervasive regulation of Drosophila Notch target genes by GY-box-, Brd-box-, and K-box-class microRNAs. *Genes and Development*, **2005**, 19, 1067-80	12.6	236
178	The ubiquitin ligase Drosophila Mind bomb promotes Notch signaling by regulating the localization and activity of Serrate and Delta. *Development (Cambridge)*, **2005**, 132, 2319-32	6.6	128
177	Identification of putative noncoding polyadenylated transcripts in Drosophila melanogaster. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 5495-500	11.5	106
176	A computational and experimental approach to validating annotations and gene predictions in the Drosophila melanogaster genome. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 1566-71	11.5	29
175	Complementary miRNA pairs suggest a regulatory role for miRNA:miRNA duplexes. *Rna*, **2004**, 10, 171-5	5.8	69
174	Drosophila melanogaster MNK/Chk2 and p53 regulate multiple DNA repair and apoptotic pathways following DNA damage. *Molecular and Cellular Biology*, **2004**, 24, 1219-31	4.8	242

173	Nurturing interdisciplinary research. *Nature Structural and Molecular Biology*, **2004**, 11, 1166-9	17.6	32
172	The BDGP gene disruption project: single transposon insertions associated with 40% of Drosophila genes. *Genetics*, **2004**, 167, 761-81	4	668
171	Computational identification of developmental enhancers: conservation and function of transcription factor binding-site clusters in Drosophila melanogaster and Drosophila pseudoobscura. *Genome Biology*, **2004**, 5, R61	18.3	171
170	The FlyBase database of the Drosophila genome projects and community literature. *Nucleic Acids Research*, **2003**, 31, 172-5	20.1	325
169	The Drosophila melanogaster genome. *Annual Review of Genomics and Human Genetics*, **2003**, 4, 89-117	9.7	91
168	Y chromosome and other heterochromatic sequences of the Drosophila melanogaster genome: how far can we go?. *Genetica*, **2003**, 117, 227-37	1.5	39
167	Quantitative analysis of bristle number in Drosophila mutants identifies genes involved in neural development. *Current Biology*, **2003**, 13, 1388-96	6.3	110
166	Drosophila matrix metalloproteinases are required for tissue remodeling, but not embryonic development. *Developmental Cell*, **2003**, 4, 95-106	10.2	192
165	Computational identification of Drosophila microRNA genes. *Genome Biology*, **2003**, 4, R42	18.3	539
164	The Drosophila synaptotagmin-like protein bitesize is required for growth and has mRNA localization sequences within its open reading frame. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 13368-73	11.5	31
163	Evidence for large domains of similarly expressed genes in the Drosophila genome. *Journal of Biology*, **2002**, 1, 5		361
162	The Toll and Imd pathways are the major regulators of the immune response in Drosophila. *EMBO Journal*, **2002**, 21, 2568-79	13	592
161	Comparative genome and proteome analysis of Anopheles gambiae and Drosophila melanogaster. *Science*, **2002**, 298, 149-59	33.3	455
160	ARGONAUTE1 is required for efficient RNA interference in Drosophila embryos. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 6889-94	11.5	148
159	Exploiting transcription factor binding site clustering to identify cis-regulatory modules involved in pattern formation in the Drosophila genome. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 757-62	11.5	482
158	The Drosophila gene collection: identification of putative full-length cDNAs for 70% of D. melanogaster genes. *Genome Research*, **2002**, 12, 1294-300	9.7	167
157	Targeted mutagenesis by homologous recombination in D. melanogaster. *Genes and Development*, **2002**, 16, 1568-81	12.6	257
156	An expectation maximization algorithm for training hidden substitution models. *Journal of Molecular Biology*, **2002**, 317, 753-64	6.5	59

155	The transposable elements of the Drosophila melanogaster euchromatin: a genomics perspective. *Genome Biology*, **2002**, 3, RESEARCH0084	18.3	387
154	Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 16899-903	11.5	1457
153	Finishing a whole-genome shotgun: release 3 of the Drosophila melanogaster euchromatic genome sequence. *Genome Biology*, **2002**, 3, RESEARCH0079	18.3	265
152	Annotation of the Drosophila melanogaster euchromatic genome: a systematic review. *Genome Biology*, **2002**, 3, RESEARCH0083	18.3	264
151	Heterochromatic sequences in a Drosophila whole-genome shotgun assembly. *Genome Biology*, **2002**, 3, RESEARCH0085	18.3	188
150	Computational analysis of core promoters in the Drosophila genome. *Genome Biology*, **2002**, 3, RESEARCH0087	18.3	312
149	A Drosophila full-length cDNA resource. *Genome Biology*, **2002**, 3, RESEARCH0080	18.3	144
148	Assessing the impact of comparative genomic sequence data on the functional annotation of the Drosophila genome. *Genome Biology*, **2002**, 3, RESEARCH0086	18.3	107
147	Systematic determination of patterns of gene expression during Drosophila embryogenesis. *Genome Biology*, **2002**, 3, RESEARCH0088	18.3	487
146	The Ca(2+)-calmodulin-activated protein phosphatase calcineurin negatively regulates EGF receptor signaling in Drosophila development. *Genetics*, **2002**, 161, 183-93	4	28
145	Genome-wide analysis of the Drosophila immune response by using oligonucleotide microarrays. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 12590-5	11.5	579
144	neuralized functions cell-autonomously to regulate a subset of notch-dependent processes during adult Drosophila development. *Developmental Biology*, **2001**, 231, 217-33	3.1	80
143	Drosophila neuralized is a ubiquitin ligase that promotes the internalization and degradation of delta. *Developmental Cell*, **2001**, 1, 783-94	10.2	282
142	Drosophila fragile X-related gene regulates the MAP1B homolog Futsch to control synaptic structure and function. *Cell*, **2001**, 107, 591-603	56.2	540
141	Creating the gene ontology resource: design and implementation. *Genome Research*, **2001**, 11, 1425-33	9.7	788
140	Gene ontology: tool for the unification of biology. The Gene Ontology Consortium. *Nature Genetics*, **2000**, 25, 25-9	36.3	25593
139	The genome sequence of Drosophila melanogaster. *Science*, **2000**, 287, 2185-95	33.3	4857
138	Comparative genomics of the eukaryotes. *Science*, **2000**, 287, 2204-15	33.3	1364

137	A BAC-based physical map of the major autosomes of Drosophila melanogaster. *Science*, **2000**, 287, 2271-4	33.3	128
136	Drosophila p53 binds a damage response element at the reaper locus. *Cell*, **2000**, 101, 103-13	56.2	392
135	A whole-genome assembly of Drosophila. *Science*, **2000**, 287, 2196-204	33.3	1204
134	A brief history of Drosophila's contributions to genome research. *Science*, **2000**, 287, 2216-8	33.3	184
133	A Drosophila complementary DNA resource. *Science*, **2000**, 287, 2222-4	33.3	308
132	Insertion site preferences of the P transposable element in Drosophila melanogaster. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 3347-51	11.5	120
131	A genetic screen for novel components of the Ras/Mitogen-activated protein kinase signaling pathway that interact with the yan gene of Drosophila identifies split ends, a new RNA recognition motif-containing protein. *Genetics*, **2000**, 154, 695-712	4	110
130	A misexpression screen identifies genes that can modulate RAS1 pathway signaling in Drosophila melanogaster. *Genetics*, **2000**, 156, 1219-30	4	80
129	A genetic screen for modifiers of a kinase suppressor of Ras-dependent rough eye phenotype in Drosophila. *Genetics*, **2000**, 156, 1231-42	4	72
128	mus304 encodes a novel DNA damage checkpoint protein required during Drosophila development. *Genes and Development*, **2000**, 14, 666-678	12.6	72
127	Drosophila and human RecQ5 exist in different isoforms generated by alternative splicing. *Nucleic Acids Research*, **1999**, 27, 3762-9	20.1	59
126	Synaptic function modulated by changes in the ratio of synaptotagmin I and IV. *Nature*, **1999**, 400, 757-60	30.4	142
125	PTP-ER, a novel tyrosine phosphatase, functions downstream of Ras1 to downregulate MAP kinase during Drosophila eye development. *Molecular Cell*, **1999**, 3, 741-50	17.6	67
124	gigas, a Drosophila homolog of tuberous sclerosis gene product-2, regulates the cell cycle. *Cell*, **1999**, 96, 529-39	56.2	227
123	Identification of constitutive and ras-inducible phosphorylation sites of KSR: implications for 14-3-3 binding, mitogen-activated protein kinase binding, and KSR overexpression. *Molecular and Cellular Biology*, **1999**, 19, 229-40	4.8	180
122	The Berkeley Drosophila Genome Project gene disruption project: Single P-element insertions mutating 25% of vital Drosophila genes. *Genetics*, **1999**, 153, 135-77	4	621
121	The Drosophila genome project: a progress report. *Trends in Genetics*, **1998**, 14, 340-3	8.5	19
120	CNK, a RAF-binding multidomain protein required for RAS signaling. *Cell*, **1998**, 95, 343-53	56.2	142

119	BioViews: Java-based tools for genomic data visualization. *Genome Research*, **1998**, 8, 291-305	9.7	24
118	A high throughput screen to identify secreted and transmembrane proteins involved in Drosophila embryogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 9973-8	11.5	101
117	A computer program for aligning a cDNA sequence with a genomic DNA sequence. *Genome Research*, **1998**, 8, 967-74	9.7	622
116	The development of the Drosophila visual system **1998**, 474-508		3
115	A genetic screen to identify components of the sina signaling pathway in Drosophila eye development. *Genetics*, **1998**, 148, 277-86	4	71
114	A Genetic Screen to Identify Components of the sina Signaling Pathway in Drosophila Eye Development. *Genetics*, **1998**, 148, 277-286	4	59
113	P element insertion-dependent gene activation in the Drosophila eye. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 5195-200	11.5	91
112	Kuzbanian controls proteolytic processing of Notch and mediates lateral inhibition during Drosophila and vertebrate neurogenesis. *Cell*, **1997**, 90, 271-80	56.2	454
111	PHYL acts to down-regulate TTK88, a transcriptional repressor of neuronal cell fates, by a SINA-dependent mechanism. *Cell*, **1997**, 90, 459-67	56.2	204
110	misshapen encodes a protein kinase involved in cell shape control in Drosophila. *Gene*, **1997**, 186, 119-25	3.8	45
109	KSR stimulates Raf-1 activity in a kinase-independent manner. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 12792-6	11.5	149
108	Targets of glass regulation in the Drosophila eye disc. *Mechanisms of Development*, **1996**, 56, 17-24	1.7	19
107	Pk92B: a Drosophila melanogaster protein kinase that belongs to the MEKK family. *Gene*, **1996**, 169, 283-4	3.8	8
106	The role of the genome project in determining gene function: insights from model organisms. *Cell*, **1996**, 86, 521-9	56.2	393
105	TAF(II)s mediate activation of transcription in the Drosophila embryo. *Cell*, **1996**, 87, 1271-84	56.2	65
104	A Drosophila gene regulated by rough and glass shows similarity to ena and VASP. *Gene*, **1996**, 183, 103-8	3.8	16
103	The cell surface metalloprotease/disintegrin Kuzbanian is required for axonal extension in Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 13233-8	11.5	165
102	A screen for genes that function downstream of Ras1 during Drosophila eye development. *Genetics* , **1996**, 143, 315-29	4	199

101	Yan functions as a general inhibitor of differentiation and is negatively regulated by activation of the Ras1/MAPK pathway. *Cell*, **1995**, 81, 857-66	56.2	299
100	Drosophila homologs of baculovirus inhibitor of apoptosis proteins function to block cell death. *Cell*, **1995**, 83, 1253-62	56.2	663
99	KSR, a novel protein kinase required for RAS signal transduction. *Cell*, **1995**, 83, 879-88	56.2	348
98	phyllopod functions in the fate determination of a subset of photoreceptors in Drosophila. *Cell*, **1995**, 80, 463-72	56.2	108
97	cAMP-dependent protein kinase and hedgehog act antagonistically in regulating decapentaplegic transcription in Drosophila imaginal discs. *Cell*, **1995**, 80, 543-52	56.2	229
96	The Ras signaling pathway in Drosophila. *Current Opinion in Genetics and Development*, **1995**, 5, 44-50	4.9	201
95	Gene disruptions using P transposable elements: an integral component of the Drosophila genome project. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 10824-30	11.5	420
94	Sev **1995**, 204-207		
93	The Drosophila peanut gene is required for cytokinesis and encodes a protein similar to yeast putative bud neck filament proteins. *Cell*, **1994**, 77, 371-9	56.2	297
92	Mutations in Hsp83 and cdc37 impair signaling by the sevenless receptor tyrosine kinase in Drosophila. *Cell*, **1994**, 77, 1027-36	56.2	274
91	The activities of two Ets-related transcription factors required for Drosophila eye development are modulated by the Ras/MAPK pathway. *Cell*, **1994**, 78, 137-47	56.2	611
90	The Drosophila melanogaster ribosomal S6 kinase II-encoding sequence. *Gene*, **1994**, 144, 309-10	3.8	22
89	The C-terminus of the homeodomain is required for functional specificity of the Drosophila rough gene. *Mechanisms of Development*, **1994**, 48, 35-49	1.7	19
88	Mutations in the Drosophila Rop gene suggest a function in general secretion and synaptic transmission. *Neuron*, **1994**, 13, 555-66	13.9	214
87	Star is required for neuronal differentiation in the Drosophila retina and displays dosage-sensitive interactions with Ras1. *Developmental Biology*, **1993**, 160, 51-63	3.1	62
86	An SH3-SH2-SH3 protein is required for p21Ras1 activation and binds to sevenless and Sos proteins in vitro. *Cell*, **1993**, 73, 169-77	56.2	463
85	The TGF beta homolog dpp and the segment polarity gene hedgehog are required for propagation of a morphogenetic wave in the Drosophila retina. *Cell*, **1993**, 75, 913-26	56.2	374
84	Identification of ras targets using a genetic approach. *Novartis Foundation Symposium*, **1993**, 176, 85-92; discussion 92-5		6

83	The presumptive R7 cell of the developing Drosophila eye receives positional information independent of sevenless, boss and sina. *Mechanisms of Development*, **1992**, 37, 37-42	1.7	26
82	A putative Ras GTPase activating protein acts as a negative regulator of signaling by the Sevenless receptor tyrosine kinase. *Cell*, **1992**, 68, 1007-19	56.2	284
81	Negative control of photoreceptor development in Drosophila by the product of the yan gene, an ETS domain protein. *Cell*, **1992**, 70, 609-20	56.2	235
80	Making a difference: the role of cell-cell interactions in establishing separate identities for equivalent cells. *Cell*, **1992**, 68, 271-81	56.2	413
79	The argos gene encodes a diffusible factor that regulates cell fate decisions in the Drosophila eye. *Cell*, **1992**, 69, 963-75	56.2	222
78	Mutations on the second chromosome affecting the Drosophila eye. *Journal of Neurogenetics*, **1992**, 8, 85-100	1.6	18
77	Ellipse mutations in the Drosophila homologue of the EGF receptor affect pattern formation, cell division, and cell death in eye imaginal discs. *Developmental Biology*, **1992**, 150, 381-96	3.1	119
76	Signalling by the sevenless protein tyrosine kinase is mimicked by Ras1 activation. *Nature*, **1992**, 355, 559-61	50.4	298
75	The optic lobe projection pattern of polarization-sensitive photoreceptor cells in Drosophila melanogaster. *Cell and Tissue Research*, **1991**, 265, 185-91	4.2	48
74	The embryonic expression patterns of zfh-1 and zfh-2, two Drosophila genes encoding novel zinc-finger homeodomain proteins. *Mechanisms of Development*, **1991**, 34, 123-34	1.7	164
73	The Drosophila zfh-1 and zfh-2 genes encode novel proteins containing both zinc-finger and homeodomain motifs. *Mechanisms of Development*, **1991**, 34, 113-22	1.7	147
72	Star is required in a subset of photoreceptor cells in the developing Drosophila retina and displays dosage sensitive interactions with rough. *Developmental Biology*, **1991**, 144, 353-61	3.1	44
71	Ras1 and a putative guanine nucleotide exchange factor perform crucial steps in signaling by the sevenless protein tyrosine kinase. *Cell*, **1991**, 67, 701-16	56.2	780
70	The Drosophila roughened mutation: activation of a rap homolog disrupts eye development and interferes with cell determination. *Cell*, **1991**, 67, 717-22	56.2	118
69	The Drosophila seven-up gene, a member of the steroid receptor gene superfamily, controls photoreceptor cell fates. *Cell*, **1990**, 60, 211-24	56.2	456
68	Molecular analysis of no-on-transient A, a gene required for normal vision in Drosophila. *Neuron*, **1990**, 4, 711-23	13.9	52
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13	Neuronal circuitry underlying female aggression in Drosophila		1
12	Genetic reagents for making split-GAL4 lines in Drosophila		5

11	A Connectome of the Adult Drosophila Central Brain	46
10	A Connectome and Analysis of the Adult Drosophila Central Brain	10
9	An image resource of subdivided Drosophila GAL4-driver expression patterns for neuron-level searches	10
8	The connectome of the adult Drosophila mushroom body: implications for function	9
7	A connectome of the Drosophila central complex reveals network motifs suitable for flexible navigation and context-dependent action selection	23
6	Information flow, cell types and stereotypy in a full olfactory connectome	5
5	A genetic, genomic, and computational resource for exploring neural circuit function	14
4	Neural circuit basis of aversive odour processing in Drosophila from sensory input to descending output	23
3	Dopaminergic learning and arousal circuits mediate opposing effects on alcohol consumption in Drosophila	5
2	En bloc preparation of Drosophila brains enables high-throughput FIB-SEM connectomics	7
1	Communication from learned to innate olfactory processing centers is required for memory retrieval in Drosophila	4