Hugo J Bellen

List of Publications by Year
in descending order

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297	36,201	2544	4342
papers	citations	96 h-index	173 g-index

334	334	334	33563
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	P[acman]: A BAC Transgenic Platform for Targeted Insertion of Large DNA Fragments in D. melanogaster. Science, 2006, 314, 1747-1751.	12.6	1,242
2	Identification of Functional Elements and Regulatory Circuits by Drosophila modENCODE. Science, 2010, 330, 1787-1797.	12.6	1,124
3	Math1: An Essential Gene for the Generation of Inner Ear Hair Cells. Science, 1999, 284, 1837-1841.	12.6	1,042
4	The BDGP Gene Disruption Project. Genetics, 2004, 167, 761-781.	2.9	774
5	Synaptic Mitochondria Are Critical for Mobilization of Reserve Pool Vesicles at Drosophila Neuromuscular Junctions. Neuron, 2005, 47, 365-378.	8.1	734
6	Math1 is essential for genesis of cerebellar granule neurons. Nature, 1997, 390, 169-172.	27.8	636
7	MiMIC: a highly versatile transposon insertion resource for engineering Drosophila melanogaster genes. Nature Methods, 2011, 8, 737-743.	19.0	620
8	Glial Lipid Droplets and ROS Induced by Mitochondrial Defects Promote Neurodegeneration. Cell, 2015, 160, 177-190.	28.9	617
9	Axon-Glia Interactions and the Domain Organization of Myelinated Axons Requires Neurexin IV/Caspr/Paranodin. Neuron, 2001, 30, 369-383.	8.1	510
10	A cis-regulatory map of the Drosophila genome. Nature, 2011, 471, 527-531.	27.8	477
11	Senseless, a Zn Finger Transcription Factor, Is Necessary and Sufficient for Sensory Organ Development in Drosophila. Cell, 2000, 102, 349-362.	28.9	473
12	Mutational analysis of Drosophila synaptotagmin demonstrates its essential role in Ca2+-activated neurotransmitter release. Cell, 1993, 74, 1125-1134.	28.9	451
13	Hrs Regulates Endosome Membrane Invagination and Tyrosine Kinase Receptor Signaling in Drosophila. Cell, 2002, 108, 261-269.	28.9	412
14	Synaptic Vesicle Size and Number Are Regulated by a Clathrin Adaptor Protein Required for Endocytosis. Neuron, 1998, 21, 1465-1475.	8.1	397
15	Genetic Manipulation of Genes and Cells in the Nervous System of the Fruit Fly. Neuron, 2011, 72, 202-230.	8.1	395
16	A Drosophila Neurexin Is Required for Septate Junction and Blood-Nerve Barrier Formation and Function. Cell, 1996, 87, 1059-1068.	28.9	390
17	Synaptojanin Is Recruited by Endophilin to Promote Synaptic Vesicle Uncoating. Neuron, 2003, 40, 733-748.	8.1	376
18	Versatile P[acman] BAC libraries for transgenesis studies in Drosophila melanogaster. Nature Methods, 2009, 6, 431-434.	19.0	375

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19	Position Effects on Eukaryotic Gene Expression. Annual Review of Cell Biology, 1990, 6, 679-714.	26.1	373
20	Drosophilatools and assays for the study of human diseases. DMM Disease Models and Mechanisms, 2016, 9, 235-244.	2.4	367
21	100 years of Drosophila research and its impact on vertebrate neuroscience: a history lesson for the future. Nature Reviews Neuroscience, 2010, 11, 514-522.	10.2	358
22	Syntaxin and synaptobrevin function downstream of vesicle docking in drosophila. Neuron, 1995, 15, 663-673.	8.1	353
23	Huntingtin functions as a scaffold for selective macroautophagy. Nature Cell Biology, 2015, 17, 262-275.	10.3	336
24	The Glia-Neuron Lactate Shuttle and Elevated ROS Promote Lipid Synthesis in Neurons and Lipid Droplet Accumulation in Glia via APOE/D. Cell Metabolism, 2017, 26, 719-737.e6.	16.2	333
25	The Drosophila Gene Disruption Project: Progress Using Transposons With Distinctive Site Specificities. Genetics, 2011, 188, 731-743.	2.9	330
26	A Drosophila Genetic Resource of Mutants to Study Mechanisms Underlying Human Genetic Diseases. Cell, 2014, 159, 200-214.	28.9	322
27	A library of MiMICs allows tagging of genes and reversible, spatial and temporal knockdown of proteins in Drosophila. ELife, 2015, 4, .	6.0	320
28	Endophilin Mutations Block Clathrin-Mediated Endocytosis but Not Neurotransmitter Release. Cell, 2002, 109, 101-112.	28.9	305
29	Shar-pei mediates cell proliferation arrest during imaginal disc growth inDrosophila. Development (Cambridge), 2002, 129, 5719-5730.	2.5	302
30	The v-ATPase V 0 Subunit a1 Is Required for a Late Step in Synaptic Vesicle Exocytosis in Drosophila. Cell, 2005, 121, 607-620.	28.9	297
31	Genetic and electrophysiological studies of drosophila syntaxin-1A demonstrate its role in nonneuronal secretion and neurotransmission. Cell, 1995, 80, 311-320.	28.9	294
32	A Genome-wide Drosophila Screen for Heat Nociception Identifies Î±2Î´3 as an Evolutionarily Conserved Pain Gene. Cell, 2010, 143, 628-638.	28.9	283
33	Proprioceptor Pathway Development Is Dependent on MATH1. Neuron, 2001, 30, 411-422.	8.1	280
34	Chromatid Segregation at Anaphase Requires the barren Product, a Novel Chromosome-Associated Protein That Interacts with Topoisomerase II. Cell, 1996, 87, 1103-1114.	28.9	276
35	Discs Lost, a Novel Multi-PDZ Domain Protein, Establishes and Maintains Epithelial Polarity. Cell, 1999, 96, 833-845.	28.9	273
36	Rumi Is a CAP10 Domain Glycosyltransferase that Modifies Notch and Is Required for Notch Signaling. Cell, 2008, 132, 247-258.	28.9	272

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37	Gfi1 functions downstream of Math1 to control intestinal secretory cell subtype allocation and differentiation. Genes and Development, 2005, 19, 2412-2417.	5.9	267
38	Calcium dependence of neurotransmitter release and rate of spontaneous vesicle fusions are altered in Drosophila synaptotagmin mutants.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 10888-10892.	7.1	266
39	Thirty-One Flavors of Drosophila Rab Proteins. Genetics, 2007, 176, 1307-1322.	2.9	264
40	Effect of Genetic Diagnosis on Patients with Previously Undiagnosed Disease. New England Journal of Medicine, 2018, 379, 2131-2139.	27.0	261
41	Safeguarding gene drive experiments in the laboratory. Science, 2015, 349, 927-929.	12.6	254
42	Comparative Flavivirus-Host Protein Interaction Mapping Reveals Mechanisms of Dengue and Zika Virus Pathogenesis. Cell, 2018, 175, 1931-1945.e18.	28.9	252
43	Drosophila Crumbs is a positional cue in photoreceptor adherens junctions and rhabdomeres. Nature, 2002, 416, 178-183.	27.8	251
44	A putative exchange factor for Rho1 GTPase is required for initiation of cytokinesis in Drosophila. Genes and Development, 1999, 13, 2301-2314.	5.9	250
45	Sec15 interacts with Rab11 via a novel domain and affects Rab11 localization in vivo. Nature Structural and Molecular Biology, 2005, 12, 879-885.	8.2	245
46	The Architecture of the Active Zone in the Presynaptic Nerve Terminal. Physiology, 2004, 19, 262-270.	3.1	244
47	The zinc finger transcription factorGfi1, implicated in lymphomagenesis, is required for inner ear hair cell differentiation and survival. Development (Cambridge), 2003, 130, 221-232.	2.5	233
48	Dap160/Intersectin Acts as a Stabilizing Scaffold Required for Synaptic Development and Vesicle Endocytosis. Neuron, 2004, 43, 193-205.	8.1	225
49	A gene-specific T2A-GAL4 library for Drosophila. ELife, 2018, 7, .	6.0	203
50	Downregulation of VAPB expression in motor neurons derived from induced pluripotent stem cells of ALS8 patients. Human Molecular Genetics, 2011, 20, 3642-3652.	2.9	200
51	The Amyotrophic Lateral Sclerosis 8 Protein VAPB Is Cleaved, Secreted, and Acts as a Ligand for Eph Receptors. Cell, 2008, 133, 963-977.	28.9	198
52	When cell biology meets development: endocytic regulation of signaling pathways. Genes and Development, 2002, 16, 1314-1336.	5.9	194
53	Synaptotagmin I, a Ca2+ sensor for neurotransmitter release. Trends in Neurosciences, 2003, 26, 413-422.	8.6	194
54	NAD synthase NMNAT acts as a chaperone to protect against neurodegeneration. Nature, 2008, 452, 887-891.	27.8	193

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55	Syntaxin 1A Interacts with Multiple Exocytic Proteins to Regulate Neurotransmitter Release In Vivo. Neuron, 1999, 23, 593-605.	8.1	189
56	The AXH Domain of Ataxin-1 Mediates Neurodegeneration through Its Interaction with Gfi-1/Senseless Proteins. Cell, 2005, 122, 633-644.	28.9	189
57	Absence of synaptotagmin disrupts excitation-secretion coupling during synaptic transmission.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 10727-10731.	7.1	186
58	Emerging technologies for gene manipulation in Drosophila melanogaster. Nature Reviews Genetics, 2005, 6, 167-178.	16.3	186
59	Ig Superfamily Ligand and Receptor Pairs Expressed in Synaptic Partners in Drosophila. Cell, 2015, 163, 1756-1769.	28.9	184
60	Sec15, a Component of the Exocyst, Promotes Notch Signaling during the Asymmetric Division of Drosophila Sensory Organ Precursors. Developmental Cell, 2005, 9, 351-363.	7.0	182
61	Drosophila VAP-33A Directs Bouton Formation at Neuromuscular Junctions in a Dosage-Dependent Manner. Neuron, 2002, 35, 291-306.	8.1	181
62	MARRVEL: Integration of Human and Model Organism Genetic Resources to Facilitate Functional Annotation of the Human Genome. American Journal of Human Genetics, 2017, 100, 843-853.	6.2	181
63	A role for Drosophila SMC4 in the resolution of sister chromatids in mitosis. Current Biology, 2001, 11, 295-307.	3.9	176
64	Rop, a drosophila homolog of yeast Sec1 and vertebrate n-Sect/Munc-18 proteins, is a negative regulator of neurotransmitter release in vivo. Neuron, 1994, 13, 1099-1108.	8.1	175
65	ROP, the Drosophila Sec1 homolog, interacts with syntaxin and regulates neurotransmitter release in a dosage-dependent manner. EMBO Journal, 1998, 17, 127-139.	7.8	173
66	Model Organisms Facilitate Rare Disease Diagnosis and Therapeutic Research. Genetics, 2017, 207, 9-27.	2.9	165
67	Drosophila NMNAT Maintains Neural Integrity Independent of Its NAD Synthesis Activity. PLoS Biology, 2006, 4, e416.	5.6	160
68	A Notch updated. Journal of Cell Biology, 2009, 184, 621-629.	5.2	159
69	atonal Regulates Neurite Arborization but Does Not Act as a Proneural Gene in the Drosophila Brain. Neuron, 2000, 25, 549-561.	8.1	156
70	Control of Synaptic Connectivity by a Network of Drosophila IgSF Cell Surface Proteins. Cell, 2015, 163, 1770-1782.	28.9	155
71	Evolutionary conservation of sequence and expression of the bHLH protein Atonal suggests a conserved role in neurogenesis. Human Molecular Genetics, 1996, 5, 1207-1216.	2.9	151
72	Fruit Flies in Biomedical Research. Genetics, 2015, 199, 639-653.	2.9	149

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73	Mutations in the Mitochondrial Methionyl-tRNA Synthetase Cause a Neurodegenerative Phenotype in Flies and a Recessive Ataxia (ARSAL) in Humans. PLoS Biology, 2012, 10, e1001288.	5.6	147
74	Recurrent De Novo and Biallelic Variation of ATAD3A , Encoding a Mitochondrial Membrane Protein, Results in Distinct Neurological Syndromes. American Journal of Human Genetics, 2016, 99, 831-845.	6.2	146
75	Mutations affecting the pattern of the PNS in drosophila reveal novel aspects of neuronal development. Neuron, 1994, 13, 269-287.	8.1	143
76	Suppression of Neurodegeneration and Increased Neurotransmission Caused by Expanded Full-Length Huntingtin Accumulating in the Cytoplasm. Neuron, 2008, 57, 27-40.	8.1	143
77	Internalization is required for proper Wingless signaling in Drosophila melanogaster. Journal of Cell Biology, 2006, 173, 95-106.	5.2	142
78	The Undiagnosed Diseases Network: Accelerating Discovery about Health and Disease. American Journal of Human Genetics, 2017, 100, 185-192.	6.2	142
79	Synaptotagmin controls and modulates synaptic-vesicle fusion in a Ca2+-dependent manner. Trends in Neurosciences, 1995, 18, 177-183.	8.6	140
80	A Synaptic Vesicle-Associated Ca2+ Channel Promotes Endocytosis and Couples Exocytosis to Endocytosis. Cell, 2009, 138, 947-960.	28.9	138
81	A genetic toolkit for tagging intronic MiMIC containing genes. ELife, 2015, 4, .	6.0	134
82	Transgenesis upgrades forDrosophila melanogaster. Development (Cambridge), 2007, 134, 3571-3584.	2.5	133
83	Phospholipase PLA2G6, a Parkinsonism-Associated Gene, Affects Vps26 and Vps35, Retromer Function, and Ceramide Levels, Similar to Î±-Synuclein Gain. Cell Metabolism, 2018, 28, 605-618.e6.	16.2	133
84	Mutations in Drosophila sec15 Reveal a Function in Neuronal Targeting for a Subset of Exocyst Components. Neuron, 2005, 46, 219-232.	8.1	129
85	Aberrant lysosomal carbohydrate storage accompanies endocytic defects and neurodegeneration inDrosophila benchwarmer. Journal of Cell Biology, 2005, 170, 127-139.	5.2	128
86	Senseless acts as a binary switch during sensory organ precursor selection. Genes and Development, 2003, 17, 2966-2978.	5.9	126
87	The Nicotinic Acetylcholine Receptor DÎ±7 Is Required for an Escape Behavior inDrosophila. PLoS Biology, 2006, 4, e63.	5.6	124
88	Neurexin IV, caspr and paranodinâ€"novel members of the neurexin family: encounters of axons and glia. Trends in Neurosciences, 1998, 21, 444-449.	8.6	122
89	senseless Repression of rough Is Required for R8 Photoreceptor Differentiation in the Developing Drosophila Eye. Neuron, 2001, 32, 403-414.	8.1	121
90	Eps15 and Dap160 control synaptic vesicle membrane retrieval and synapse development. Journal of Cell Biology, 2007, 178, 309-322.	5.2	117

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91	A Mitocentric View of Parkinson's Disease. Annual Review of Neuroscience, 2014, 37, 137-159.	10.7	115
92	Doing the MATH: is the mouse a good model for fly development?. Genes and Development, 2000, 14, 1852-1865.	5.9	114
93	Quantitative Analysis of Bristle Number in Drosophila Mutants Identifies Genes Involved in Neural Development. Current Biology, 2003, 13, 1388-1396.	3.9	113
94	Endocytosis and Intracellular Trafficking of Notch and Its Ligands. Current Topics in Developmental Biology, 2010, 92, 165-200.	2.2	113
95	Mitochondrial fusion but not fission regulates larval growth and synaptic development through steroid hormone production. ELife, 2014, 3, .	6.0	109
96	The Psychiatric Cell Map Initiative: A Convergent Systems Biological Approach to Illuminating Key Molecular Pathways in Neuropsychiatric Disorders. Cell, 2018, 174, 505-520.	28.9	108
97	A Genome-Wide Search for Synaptic Vesicle Cycle Proteins in Drosophila. Neuron, 2000, 26, 45-50.	8.1	105
98	Mapping and identification of essential gene functions on the X chromosome ofDrosophila. EMBO Reports, 2002, 3, 34-38.	4.5	105
99	NMNAT2:HSP90 Complex Mediates Proteostasis in Proteinopathies. PLoS Biology, 2016, 14, e1002472.	5.6	105
100	An efficient CRISPR-based strategy to insert small and large fragments of DNA using short homology arms. ELife, 2019, 8, .	6.0	105
101	Drosophila atonal Fully Rescues the Phenotype of Math1 Null Mice. Current Biology, 2002, 12, 1611-1616.	3.9	104
102	Tweek, an Evolutionarily Conserved Protein, Is Required for Synaptic Vesicle Recycling. Neuron, 2009, 63, 203-215.	8.1	104
103	Spectraplakins Promote Microtubule-Mediated Axonal Growth by Functioning As Structural Microtubule-Associated Proteins and EB1-Dependent +TIPs (Tip Interacting Proteins). Journal of Neuroscience, 2012, 32, 9143-9158.	3.6	104
104	Ubiquilins regulate autophagic flux through mTOR signalling and lysosomal acidification. Nature Cell Biology, 2019, 21, 384-396.	10.3	102
105	Tilting the Balance between Facilitatory and Inhibitory Functions of Mammalian and Drosophila Complexins Orchestrates Synaptic Vesicle Exocytosis. Neuron, 2009, 64, 367-380.	8.1	101
106	A Novel Neuronal Pathway for Visually Guided Escape inDrosophila melanogaster. Journal of Neurophysiology, 2009, 102, 875-885.	1.8	100
107	FM 1-43 Labeling of Synaptic Vesicle Pools at the Drosophila Neuromuscular Junction. Methods in Molecular Biology, 2008, 440, 349-369.	0.9	100
108	miR-9a Minimizes the Phenotypic Impact of Genomic Diversity by Buffering a Transcription Factor. Cell, 2013, 155, 1556-1567.	28.9	99

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109	The Arp2/3 complex and WASp are required for apical trafficking of Delta into microvilli during cell fate specification of sensory organ precursors. Nature Cell Biology, 2009, 11, 815-824.	10.3	98
110	Huntingtin-interacting protein 14, a palmitoyl transferase required for exocytosis and targeting of CSP to synaptic vesicles. Journal of Cell Biology, 2007, 179, 1481-1496.	5.2	97
111	A Molecularly Defined Duplication Set for the X Chromosome of Drosophila melanogaster. Genetics, 2010, 186, 1111-1125.	2.9	97
112	Activity-Independent Prespecification of Synaptic Partners in the Visual Map of Drosophila. Current Biology, 2006, 16, 1835-1843.	3.9	96
113	Probing Mechanisms That Underlie Human Neurodegenerative Diseases inDrosophila. Annual Review of Genetics, 2012, 46, 371-396.	7.6	96
114	A Syndromic Neurodevelopmental Disorder Caused by De Novo Variants in EBF3. American Journal of Human Genetics, 2017, 100, 128-137.	6.2	96
115	Loss of Nardilysin, a Mitochondrial Co-chaperone for Î±-Ketoglutarate Dehydrogenase, Promotes mTORC1 Activation and Neurodegeneration. Neuron, 2017, 93, 115-131.	8.1	95
116	Drosophila P elements preferentially transpose to replication origins. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15948-15953.	7.1	93
117	Crag Is a GEF for Rab11 Required for Rhodopsin Trafficking and Maintenance of Adult Photoreceptor Cells. PLoS Biology, 2012, 10, e1001438.	5.6	93
118	Stringent Analysis of Gene Function and Proteinâ€“Protein Interactions Using Fluorescently Tagged Genes. Genetics, 2012, 190, 931-940.	2.9	92
119	A Mutation in EGF Repeat-8 of Notch Discriminates Between Serrate/Jagged and Delta Family Ligands. Science, 2012, 338, 1229-1232.	12.6	92
120	Pri sORF peptides induce selective proteasome-mediated protein processing. Science, 2015, 349, 1356-1358.	12.6	90
121	Ten Years of Enhancer Detection: Lessons from the Fly. Plant Cell, 1999, 11, 2271-2281.	6.6	89
122	Mapping Drosophila mutations with molecularly defined P element insertions. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10860-10865.	7.1	89
123	Cell Adhesion, the Backbone of the Synapse: "Vertebrate" and "Invertebrate" Perspectives. Cold Spring Harbor Perspectives in Biology, 2009, 1, a003079-a003079.	5.5	89
124	Bonus, a Drosophila Homolog of TIF1 Proteins, Interacts with Nuclear Receptors and Can Inhibit Î²FTZ-F1-Dependent Transcription. Molecular Cell, 2001, 7, 753-765.	9.7	88
125	P-Element Insertion Alleles of Essential Genes on the Third Chromosome of Drosophila melanogaster: Mutations Affecting Embryonic PNS Development. Genetics, 1997, 147, 1723-1741.	2.9	87
126	Endophilin Promotes a Late Step in Endocytosis at Glial Invaginations inDrosophilaPhotoreceptor Terminals. Journal of Neuroscience, 2003, 23, 10732-10744.	3.6	86

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127	NMNATs, evolutionarily conserved neuronal maintenance factors. Trends in Neurosciences, 2013, 36, 632-640.	8.6	85
128	A Voltage-Gated Calcium Channel Regulates Lysosomal Fusion with Endosomes and Autophagosomes and Is Required for Neuronal Homeostasis. PLoS Biology, 2015, 13, e1002103.	5.6	85
129	Low doses of the neonicotinoid insecticide imidacloprid induce ROS triggering neurological and metabolic impairments in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25840-25850.	7.1	85
130	The ins and outs of Wingless signaling. Trends in Cell Biology, 2004, 14, 45-53.	7.9	82
131	The BMP signaling pathway at the Drosophila neuromuscular junction and its links to neurodegenerative diseases. Current Opinion in Neurobiology, 2011, 21, 182-188.	4.2	82
132	Sphingolipids in the Pathogenesis of Parkinsonâ€™s Disease and Parkinsonism. Trends in Endocrinology and Metabolism, 2019, 30, 106-117.	7.1	82
133	Clinically severe CACNA1A alleles affect synaptic function and neurodegeneration differentially. PLoS Genetics, 2017, 13, e1006905.	3.5	80
134	Morganâ€™s Legacy: Fruit Flies and the Functional Annotation of Conserved Genes. Cell, 2015, 163, 12-14.	28.9	79
135	Lysosomal Degradation Is Required for Sustained Phagocytosis of Bacteria by Macrophages. Cell Host and Microbe, 2017, 21, 719-730.e6.	11.0	79
136	Introduction to Notch Signaling. Methods in Molecular Biology, 2014, 1187, 1-14.	0.9	78
137	Untying the Gordian Knot of Cytokinesis. Journal of Cell Biology, 2000, 148, 843-848.	5.2	77
138	Uncoupling neuronal death and dysfunction in Drosophila models of neurodegenerative disease. Acta Neuropathologica Communications, 2016, 4, 62.	5.2	77
139	The Retromer Complex Is Required for Rhodopsin Recycling and Its Loss Leads to Photoreceptor Degeneration. PLoS Biology, 2014, 12, e1001847.	5.6	75
140	Loss of Frataxin induces iron toxicity, sphingolipid synthesis, and Pdk1/Mef2 activation, leading to neurodegeneration. ELife, 2016, 5, .	6.0	74
141	Two Drosophila learning mutants, dunce and rutabaga, provide evidence of a maternal role for cAMP on embryogenesis. Developmental Biology, 1987, 121, 432-444.	2.0	73
142	The retromer complex in development and disease. Development (Cambridge), 2015, 142, 2392-2396.	2.5	73
143	The fruit fly at the interface of diagnosis and pathogenic mechanisms of rare and common human diseases. Human Molecular Genetics, 2019, 28, R207-R214.	2.9	72
144	Growth Factor Independence-1 Is Expressed in Primary Human Neuroendocrine Lung Carcinomas and Mediates the Differentiation of Murine Pulmonary Neuroendocrine Cells. Cancer Research, 2004, 64, 6874-6882.	0.9	71

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145	Mutations in ANKLE2, a ZIKA Virus Target, Disrupt an Asymmetric Cell Division Pathway in Drosophila Neuroblasts to Cause Microcephaly. Developmental Cell, 2019, 51, 713-729.e6.	7.0	71
146	Loss- or Gain-of-Function Mutations in ACOX1 Cause Axonal Loss via Different Mechanisms. Neuron, 2020, 106, 589-606.e6.	8.1	71
147	skittles, a Drosophila Phosphatidylinositol 4-Phosphate 5-Kinase, Is Required for Cell Viability, Germline Development and Bristle Morphology, But Not for Neurotransmitter Release. Genetics, 1998, 150, 1527-1537.	2.9	70
148	IRF2BPL Is Associated with Neurological Phenotypes. American Journal of Human Genetics, 2018, 103, 245-260.	6.2	69
149	Primordium specific requirement of the homeotic gene fork head in the developing gut of the Drosophila embryo. Roux's Archives of Developmental Biology, 1989, 198, 201-210.	1.2	68
150	Secreted VAPB/ALS8 Major Sperm Protein Domains Modulate Mitochondrial Localization and Morphology via Growth Cone Guidance Receptors. Developmental Cell, 2012, 22, 348-362.	7.0	68
151	Rhodopsin homeostasis and retinal degeneration: lessons from the fly. Trends in Neurosciences, 2013, 36, 652-660.	8.6	68
152	A TRPV Channel in Drosophila Motor Neurons Regulates Presynaptic Resting Ca2+ Levels, Synapse Growth, and Synaptic Transmission. Neuron, 2014, 84, 764-777.	8.1	68
153	De Novo Truncating Variants in ASXL2 Are Associated with a Unique and Recognizable Clinical Phenotype. American Journal of Human Genetics, 2016, 99, 991-999.	6.2	68
154	Mutations Affecting the Development of the Peripheral Nervous System in Drosophila: A Molecular Screen for Novel Proteins. Genetics, 2000, 156, 1691-1715.	2.9	68
155	Large-scale identification of chemically induced mutations in Drosophila melanogaster. Genome Research, 2014, 24, 1707-1718.	5.5	67
156	The Drosophila deoxyhypusine hydroxylase homologue nero and its target eIF5A are required for cell growth and the regulation of autophagy. Journal of Cell Biology, 2009, 185, 1181-1194.	5.2	66
157	Genome-Wide Manipulations of Drosophila melanogaster with Transposons, Flp Recombinase, and Î¦C31 Integrase. Methods in Molecular Biology, 2012, 859, 203-228.	0.9	65
158	Chemical mutagens, transposons, and transgenes to interrogate gene function in Drosophila melanogaster. Methods, 2014, 68, 15-28.	3.8	65
159	Neuron-Subtype-Specific Expression, Interaction Affinities, and Specificity Determinants of DIP/Dpr Cell Recognition Proteins. Neuron, 2018, 100, 1385-1400.e6.	8.1	65
160	Ero1L, a thiol oxidase, is required for Notch signaling through cysteine bridge formation of the Lin12-Notch repeats in Drosophila melanogaster . Journal of Cell Biology, 2008, 182, 1113-1125.	5.2	64
161	Interactions between the Ig-Superfamily Proteins DIP-Î± and Dpr6/10 Regulate Assembly of Neural Circuits. Neuron, 2018, 100, 1369-1384.e6.	8.1	64
162	Senseless and Daughterless confer neuronal identity to epithelial cells in the Drosophila wing margin. Development (Cambridge), 2006, 133, 1683-1692.	2.5	62

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163	Senseless physically interacts with proneural proteins and functions as a transcriptional co-activator. Development (Cambridge), 2006, 133, 1979-1989.	2.5	62
164	Missense variants in the middle domain ofDNM1Lin cases of infantile encephalopathy alter peroxisomes and mitochondria when assayed inDrosophila. Human Molecular Genetics, 2016, 25, 1846-1856.	2.9	62
165	straightjacket is required for the synaptic stabilization of cacophony, a voltage-gated calcium channel Î±1 subunit. Journal of Cell Biology, 2008, 181, 157-170.	5.2	61
166	Genetic strategies to tackle neurological diseases in fruit flies. Current Opinion in Neurobiology, 2018, 50, 24-32.	4.2	61
167	Loss of Frataxin activates the iron/sphingolipid/PDK1/Mef2 pathway in mammals. ELife, 2016, 5, .	6.0	61
168	DrosophilaNeuroligin 2 is Required Presynaptically and Postsynaptically for Proper Synaptic Differentiation and Synaptic Transmission. Journal of Neuroscience, 2012, 32, 16018-16030.	3.6	60
169	A comprehensive iterative approach is highly effective in diagnosing individuals who are exome negative. Genetics in Medicine, 2019, 21, 161-172.	2.4	60
170	The amyotrophic lateral sclerosis 8 protein, VAP, is required for ER protein quality control. Human Molecular Genetics, 2014, 23, 1975-1989.	2.9	59
171	Biallelic Mutations in ATP5F1D, which Encodes a Subunit of ATP Synthase, Cause a Metabolic Disorder. American Journal of Human Genetics, 2018, 102, 494-504.	6.2	59
172	An expanded toolkit for gene tagging based on MiMIC and scarless CRISPR tagging in Drosophila. ELife, 2018, 7, .	6.0	59
173	Neuronal ROS-induced glial lipid droplet formation is altered by loss of Alzheimerâ€™s diseaseâ€“associated genes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	59
174	The C8ORF38 homologue Sicily is a cytosolic chaperone for a mitochondrial complex I subunit. Journal of Cell Biology, 2013, 200, 807-820.	5.2	56
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