

Norbert Perrimon

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473
papers

45,813
citations

113
h-index

200
g-index

540
ext. papers

53,747
ext. citations

14.1
avg, IF

7.68
L-index

#	Paper	IF	Citations
473	The developmental transcriptome of <i>Drosophila melanogaster</i> . <i>Nature</i> , 2011 , 471, 473-9	50.4	1094
472	Identification of functional elements and regulatory circuits by <i>Drosophila</i> modENCODE. <i>Science</i> , 2010 , 330, 1787-97	33.3	892
471	The promise and perils of Wnt signaling through beta-catenin. <i>Science</i> , 2002 , 296, 1644-6	33.3	862
470	Highly efficient Cas9-mediated transcriptional programming. <i>Nature Methods</i> , 2015 , 12, 326-8	21.6	856
469	Droplet microfluidic technology for single-cell high-throughput screening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 14195-200	11.5	817
468	Evidence that stem cells reside in the adult <i>Drosophila</i> midgut epithelium. <i>Nature</i> , 2006 , 439, 475-9	50.4	793
467	Cooperative regulation of cell polarity and growth by <i>Drosophila</i> tumor suppressors. <i>Science</i> , 2000 , 289, 113-6	33.3	740
466	Specificities of heparan sulphate proteoglycans in developmental processes. <i>Nature</i> , 2000 , 404, 725-8	50.4	638
465	Genome-wide RNAi analysis of growth and viability in <i>Drosophila</i> cells. <i>Science</i> , 2004 , 303, 832-5	33.3	611
464	The autosomal FLP-DFS technique for generating germline mosaics in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 1996 , 144, 1673-9	4	564
463	Localization of apical epithelial determinants by the basolateral PDZ protein Scribble. <i>Nature</i> , 2000 , 403, 676-80	50.4	561
462	A genome-scale shRNA resource for transgenic RNAi in <i>Drosophila</i> . <i>Nature Methods</i> , 2011 , 8, 405-7	21.6	558
461	An endogenous small interfering RNA pathway in <i>Drosophila</i> . <i>Nature</i> , 2008 , 453, 798-802	50.4	542
460	Heparan sulphate proteoglycans: the sweet side of development. <i>Nature Reviews Molecular Cell Biology</i> , 2005 , 6, 530-41	48.7	540
459	Multispectral opto-acoustic tomography of deep-seated fluorescent proteins in vivo. <i>Nature Photonics</i> , 2009 , 3, 412-417	33.9	492
458	Efficient proximity labeling in living cells and organisms with TurboID. <i>Nature Biotechnology</i> , 2018 , 36, 880-887	44.5	448
457	Tout-velu is a <i>Drosophila</i> homologue of the putative tumour suppressor EXT-1 and is needed for Hh diffusion. <i>Nature</i> , 1998 , 394, 85-8	50.4	441

456	FOXO/4E-BP signaling in <i>Drosophila</i> muscles regulates organism-wide proteostasis during aging. <i>Cell</i> , 2010 , 143, 813-25	56.2	429
455	FlyBase 2.0: the next generation. <i>Nucleic Acids Research</i> , 2019 , 47, D759-D765	20.1	429
454	Diversity and dynamics of the <i>Drosophila</i> transcriptome. <i>Nature</i> , 2014 , 512, 393-9	50.4	418
453	Dally cooperates with <i>Drosophila</i> Frizzled 2 to transduce Wingless signalling. <i>Nature</i> , 1999 , 400, 281-4	50.4	413
452	Sequential activation of signaling pathways during innate immune responses in <i>Drosophila</i> . <i>Developmental Cell</i> , 2002 , 3, 711-22	10.2	395
451	Exploiting position effects and the gypsy retrovirus insulator to engineer precisely expressed transgenes. <i>Nature Genetics</i> , 2008 , 40, 476-83	36.3	381
450	corkscrew encodes a putative protein tyrosine phosphatase that functions to transduce the terminal signal from the receptor tyrosine kinase torso. <i>Cell</i> , 1992 , 70, 225-36	56.2	378
449	wingless signaling acts through zeste-white 3, the <i>Drosophila</i> homolog of glycogen synthase kinase-3, to regulate engrailed and establish cell fate. <i>Cell</i> , 1992 , 71, 1167-79	56.2	376
448	An integrative approach to ortholog prediction for disease-focused and other functional studies. <i>BMC Bioinformatics</i> , 2011 , 12, 357	3.6	362
447	Minimizing the risk of reporting false positives in large-scale RNAi screens. <i>Nature Methods</i> , 2006 , 3, 777-9.6	9.6	362
446	Integrated activity of PDZ protein complexes regulates epithelial polarity. <i>Nature Cell Biology</i> , 2003 , 5, 53-8	23.4	348
445	Signaling role of hemocytes in <i>Drosophila</i> JAK/STAT-dependent response to septic injury. <i>Developmental Cell</i> , 2003 , 5, 441-50	10.2	344
444	Hedgehog movement is regulated through tout velu-dependent synthesis of a heparan sulfate proteoglycan. <i>Molecular Cell</i> , 1999 , 4, 633-9	17.6	327
443	dishevelled and armadillo act in the wingless signalling pathway in <i>Drosophila</i> . <i>Nature</i> , 1994 , 367, 80-3	50.4	323
442	Marelle acts downstream of the <i>Drosophila</i> HOP/JAK kinase and encodes a protein similar to the mammalian STATs. <i>Cell</i> , 1996 , 84, 411-9	56.2	322
441	<i>Drosophila</i> cytokine unpaired 2 regulates physiological homeostasis by remotely controlling insulin secretion. <i>Cell</i> , 2012 , 151, 123-37	56.2	318
440	The emergence of geometric order in proliferating metazoan epithelia. <i>Nature</i> , 2006 , 442, 1038-41	50.4	311
439	Comparison of Cas9 activators in multiple species. <i>Nature Methods</i> , 2016 , 13, 563-567	21.6	308

438	Drosophila RNAi screen reveals CD36 family member required for mycobacterial infection. <i>Science</i> , 2005 , 309, 1251-3	33.3	307
437	High-throughput RNAi screening in cultured cells: a user's guide. <i>Nature Reviews Genetics</i> , 2006 , 7, 373-84	30.1	304
436	Functional genomic analysis of the Wnt-wingless signaling pathway. <i>Science</i> , 2005 , 308, 826-33	33.3	294
435	Components of wingless signalling in Drosophila. <i>Nature</i> , 1994 , 367, 76-80	50.4	291
434	Functional genomics reveals genes involved in protein secretion and Golgi organization. <i>Nature</i> , 2006 , 439, 604-7	50.4	276
433	The Transgenic RNAi Project at Harvard Medical School: Resources and Validation. <i>Genetics</i> , 2015 , 201, 843-52	4	268
432	The roles of JAK/STAT signaling in Drosophila immune responses. <i>Immunological Reviews</i> , 2004 , 198, 72-82	11.3	263
431	GFP reporters detect the activation of the Drosophila JAK/STAT pathway in vivo. <i>Gene Expression Patterns</i> , 2007 , 7, 323-31	1.5	261
430	Muscle mitohormesis promotes longevity via systemic repression of insulin signaling. <i>Cell</i> , 2013 , 155, 699-712	56.2	258
429	Optimized gene editing technology for Drosophila melanogaster using germ line-specific Cas9. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19012-7	11.5	258
428	Parallel chemical genetic and genome-wide RNAi screens identify cytokinesis inhibitors and targets. <i>PLoS Biology</i> , 2004 , 2, e379	9.7	252
427	Genome-wide RNAi screen for host factors required for intracellular bacterial infection. <i>Science</i> , 2005 , 309, 1248-51	33.3	250
426	Ectopic expression in Drosophila. <i>Methods in Cell Biology</i> , 1994 , 44, 635-54	1.8	247
425	The Hippo tumor suppressor pathway regulates intestinal stem cell regeneration. <i>Development (Cambridge)</i> , 2010 , 137, 4135-45	6.6	243
424	A Drosophila resource of transgenic RNAi lines for neurogenetics. <i>Genetics</i> , 2009 , 182, 1089-100	4	243
423	RNAi screening comes of age: improved techniques and complementary approaches. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 591-600	48.7	241
422	Quantitative morphological signatures define local signaling networks regulating cell morphology. <i>Science</i> , 2007 , 316, 1753-6	33.3	238
421	Genomic screening with RNAi: results and challenges. <i>Annual Review of Biochemistry</i> , 2010 , 79, 37-64	29.1	229

4 ²⁰	The orthodenticle gene is regulated by bicoid and torso and specifies Drosophila head development. <i>Nature</i> , 1990 , 346, 485-8	50.4	226
4 ¹⁹	Signaling mechanisms controlling cell fate and embryonic patterning. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012 , 4, a005975	10.2	222
4 ¹⁸	Evidence of off-target effects associated with long dsRNAs in Drosophila melanogaster cell-based assays. <i>Nature Methods</i> , 2006 , 3, 833-8	21.6	222
4 ¹⁷	BIOSAFETY. Safeguarding gene drive experiments in the laboratory. <i>Science</i> , 2015 , 349, 927-9	33.3	215
4 ¹⁶	Hierarchical rules for Argonaute loading in Drosophila. <i>Molecular Cell</i> , 2009 , 36, 445-56	17.6	212
4 ¹⁵	Comparative analysis of the transcriptome across distant species. <i>Nature</i> , 2014 , 512, 445-8	50.4	207
4 ¹⁴	Vector and parameters for targeted transgenic RNA interference in Drosophila melanogaster. <i>Nature Methods</i> , 2008 , 5, 49-51	21.6	207
4 ¹³	Drosophila Stardust interacts with Crumbs to control polarity of epithelia but not neuroblasts. <i>Nature</i> , 2001 , 414, 634-8	50.4	206
4 ¹²	Molecular mechanisms of epithelial morphogenesis. <i>Annual Review of Cell and Developmental Biology</i> , 2002 , 18, 463-93	12.6	199
4 ¹¹	The PDGF/VEGF receptor controls blood cell survival in Drosophila. <i>Developmental Cell</i> , 2004 , 7, 73-84	10.2	197
4 ¹⁰	The Jak/STAT pathway in model organisms: emerging roles in cell movement. <i>Developmental Cell</i> , 2002 , 3, 765-78	10.2	197
4 ⁰⁹	Seipin is required for converting nascent to mature lipid droplets. <i>ELife</i> , 2016 , 5,	8.9	196
4 ⁰⁸	The transmembrane molecule kekkon 1 acts in a feedback loop to negatively regulate the activity of the Drosophila EGF receptor during oogenesis. <i>Cell</i> , 1999 , 96, 847-56	56.2	186
4 ⁰⁷	Deep annotation of Drosophila melanogaster microRNAs yields insights into their processing, modification, and emergence. <i>Genome Research</i> , 2011 , 21, 203-15	9.7	185
4 ⁰⁶	Mechanical Allostery: Evidence for a Force Requirement in the Proteolytic Activation of Notch. <i>Developmental Cell</i> , 2015 , 33, 729-36	10.2	184
4 ⁰⁵	A functional RNAi screen for regulators of receptor tyrosine kinase and ERK signalling. <i>Nature</i> , 2006 , 444, 230-4	50.4	183
4 ⁰⁴	Multiple functions of segment polarity genes in Drosophila. <i>Developmental Biology</i> , 1987 , 119, 587-600	3.1	176
4 ⁰³	Genome-wide RNAi screen reveals a specific sensitivity of IRES-containing RNA viruses to host translation inhibition. <i>Genes and Development</i> , 2005 , 19, 445-52	12.6	175

402	Genome-wide RNAi analysis of JAK/STAT signaling components in <i>Drosophila</i> . <i>Genes and Development</i> , 2005 , 19, 1861-70	12.6	174
401	The transcriptional diversity of 25 <i>Drosophila</i> cell lines. <i>Genome Research</i> , 2011 , 21, 301-14	9.7	171
400	Requirement of the <i>Drosophila</i> raf homologue for torso function. <i>Nature</i> , 1989 , 342, 288-91	50.4	170
399	The nuclear hormone receptor Ftz-F1 is a cofactor for the <i>Drosophila</i> homeodomain protein Ftz. <i>Nature</i> , 1997 , 385, 552-5	50.4	168
398	The genetic basis of patterned baldness in <i>Drosophila</i> . <i>Cell</i> , 1994 , 76, 781-4	56.2	165
397	Mechanical regulation of stem-cell differentiation by the stretch-activated Piezo channel. <i>Nature</i> , 2018 , 555, 103-106	50.4	162
396	A genome-wide RNA interference screen in <i>Drosophila melanogaster</i> cells for new components of the Hh signaling pathway. <i>Nature Genetics</i> , 2005 , 37, 1323-32	36.3	159
395	Activation of posterior gap gene expression in the <i>Drosophila</i> blastoderm. <i>Nature</i> , 1995 , 376, 253-6	50.4	159
394	Frizzled signaling and the developmental control of cell polarity. <i>Trends in Genetics</i> , 1998 , 14, 452-8	8.5	158
393	Notch modulates Wnt signalling by associating with Armadillo/beta-catenin and regulating its transcriptional activity. <i>Development (Cambridge)</i> , 2005 , 132, 1819-30	6.6	156
392	Isolation and characterization of a mouse homolog of the <i>Drosophila</i> segment polarity gene dishevelled. <i>Developmental Biology</i> , 1994 , 166, 73-86	3.1	156
391	Control of proinflammatory gene programs by regulated trimethylation and demethylation of histone H4K20. <i>Molecular Cell</i> , 2012 , 48, 28-38	17.6	155
390	Controllability analysis of the directed human protein interaction network identifies disease genes and drug targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4976-81	11.5	155
389	Synergy between bacterial infection and genetic predisposition in intestinal dysplasia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20883-8	11.5	154
388	Extrusion and death of DPP/BMP-compromised epithelial cells in the developing <i>Drosophila</i> wing. <i>Science</i> , 2005 , 307, 1785-9	33.3	154
387	Mechanisms of skeletal muscle aging: insights from <i>Drosophila</i> and mammalian models. <i>DMM Disease Models and Mechanisms</i> , 2013 , 6, 1339-52	4.1	153
386	Control of the mitotic cleavage plane by local epithelial topology. <i>Cell</i> , 2011 , 144, 427-38	56.2	153
385	Hedgehog signal transduction: recent findings. <i>Current Opinion in Genetics and Development</i> , 2002 , 12, 503-11	4.9	152

384	Putative protein kinase product of the Drosophila segment-polarity gene zeste-white3. <i>Nature</i> , 1990 , 345, 825-9	50.4	151
383	Genetic screening for signal transduction in the era of network biology. <i>Cell</i> , 2007 , 128, 225-31	56.2	145
382	X-linked female-sterile loci in Drosophila melanogaster. <i>Genetics</i> , 1986 , 113, 695-712	4	145
381	Zygotic lethal mutations with maternal effect phenotypes in Drosophila melanogaster. II. Loci on the second and third chromosomes identified by P-element-induced mutations. <i>Genetics</i> , 1996 , 144, 1684-92	145	
380	In vivo RNAi: today and tomorrow. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010 , 2, a003640	10.2	142
379	Temperature-sensitive control of protein activity by conditionally splicing inteins. <i>Nature Biotechnology</i> , 2004 , 22, 871-6	44.5	142
378	neurotic, a novel maternal neurogenic gene, encodes an O-fucosyltransferase that is essential for Notch-Delta interactions. <i>Development (Cambridge)</i> , 2003 , 130, 4785-95	6.6	142
377	Systemic organ wasting induced by localized expression of the secreted insulin/IGF antagonist ImpL2. <i>Developmental Cell</i> , 2015 , 33, 36-46	10.2	140
376	Drosophila and the genetics of the internal milieu. <i>Nature</i> , 2007 , 450, 186-8	50.4	140
375	The influence of skeletal muscle on systemic aging and lifespan. <i>Aging Cell</i> , 2013 , 12, 943-9	9.9	137
374	Drosophila wingless: a paradigm for the function and mechanism of Wnt signaling. <i>BioEssays</i> , 1994 , 16, 395-404	4.1	137
373	Gamma-secretase/presenilin inhibitors for Alzheimer's disease phenocopy Notch mutations in Drosophila. <i>FASEB Journal</i> , 2003 , 17, 79-81	0.9	127
372	Simple and efficient generation of marked clones in Drosophila. <i>Current Biology</i> , 1993 , 3, 424-33	6.3	125
371	A screen for morphological complexity identifies regulators of switch-like transitions between discrete cell shapes. <i>Nature Cell Biology</i> , 2013 , 15, 860-71	23.4	124
370	Integration of Insulin receptor/Foxo signaling and dMyc activity during muscle growth regulates body size in Drosophila. <i>Development (Cambridge)</i> , 2009 , 136, 983-93	6.6	124
369	There must be 50 ways to rule the signal: the case of the Drosophila EGF receptor. <i>Cell</i> , 1997 , 89, 13-6	56.2	124
368	The roles of the Drosophila JAK/STAT pathway. <i>Oncogene</i> , 2000 , 19, 2598-606	9.2	120
367	The four-jointed gene is required in the Drosophila eye for ommatidial polarity specification. <i>Current Biology</i> , 1999 , 9, 1363-72	6.3	120

366	Control of lipid metabolism by tachykinin in <i>Drosophila</i> . <i>Cell Reports</i> , 2014 , 9, 40-47	10.6	118
365	Intramyocellular fatty-acid metabolism plays a critical role in mediating responses to dietary restriction in <i>Drosophila melanogaster</i> . <i>Cell Metabolism</i> , 2012 , 16, 97-103	24.6	118
364	The Hippo signaling pathway interactome. <i>Science</i> , 2013 , 342, 737-40	33.3	117
363	Multiple roles for four-jointed in planar polarity and limb patterning. <i>Developmental Biology</i> , 2000 , 228, 181-96	3.1	117
362	Heparan sulfate proteoglycan modulation of developmental signaling in <i>Drosophila</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002 , 1573, 280-91	4	114
361	Functional screening in <i>Drosophila</i> identifies Alzheimer's disease susceptibility genes and implicates Tau-mediated mechanisms. <i>Human Molecular Genetics</i> , 2014 , 23, 870-7	5.6	113
360	Loss-of-function genetic tools for animal models: cross-species and cross-platform differences. <i>Nature Reviews Genetics</i> , 2017 , 18, 24-40	30.1	113
359	Conserved microRNA targeting in <i>Drosophila</i> is as widespread in coding regions as in 3'UTRs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 15751-6	11.5	113
358	Direct inhibition of oncogenic KRAS by hydrocarbon-stapled SOS1 helices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1761-6	11.5	111
357	Negative feedback mechanisms and their roles during pattern formation. <i>Cell</i> , 1999 , 97, 13-6	56.2	110
356	The torso receptor tyrosine kinase can activate Raf in a Ras-independent pathway. <i>Cell</i> , 1995 , 81, 63-71	56.2	110
355	Recruitment of scribble to the synaptic scaffolding complex requires GUK-holder, a novel DLG binding protein. <i>Current Biology</i> , 2002 , 12, 531-9	6.3	109
354	A sensitized genetic screen to identify novel regulators and components of the <i>Drosophila</i> janus kinase/signal transducer and activator of transcription pathway. <i>Genetics</i> , 2003 , 165, 1149-66	4	109
353	Clonal analysis of the tissue specificity of recessive female-sterile mutations of <i>Drosophila melanogaster</i> using a dominant female-sterile mutation Fs(1)K1237. <i>Developmental Biology</i> , 1983 , 100, 365-73	3.1	108
352	Spatial control of the actin cytoskeleton in <i>Drosophila</i> epithelial cells. <i>Nature Cell Biology</i> , 2001 , 3, 883-90	3.4	107
351	Modeling metabolic homeostasis and nutrient sensing in <i>Drosophila</i> : implications for aging and metabolic diseases. <i>DMM Disease Models and Mechanisms</i> , 2014 , 7, 343-50	4.1	106
350	Comparative analysis of argonaute-dependent small RNA pathways in <i>Drosophila</i> . <i>Molecular Cell</i> , 2008 , 32, 592-9	17.6	106
349	Dual role of the fringe connection gene in both heparan sulphate and fringe-dependent signalling events. <i>Nature Cell Biology</i> , 2001 , 3, 809-15	23.4	106

348	FlyBase: updates to the <i>Drosophila melanogaster</i> knowledge base. <i>Nucleic Acids Research</i> , 2021 , 49, D899-D907	10.6	106
347	RNAi screening: new approaches, understandings, and organisms. <i>Wiley Interdisciplinary Reviews RNA</i> , 2012 , 3, 145-58	9.3	105
346	wingless refines its own expression domain on the <i>Drosophila</i> wing margin. <i>Nature</i> , 1996 , 384, 72-4	50.4	105
345	MARRVEL: Integration of Human and Model Organism Genetic Resources to Facilitate Functional Annotation of the Human Genome. <i>American Journal of Human Genetics</i> , 2017 , 100, 843-853	11	104
344	COPI activity coupled with fatty acid biosynthesis is required for viral replication. <i>PLoS Pathogens</i> , 2006 , 2, e102	7.6	104
343	Stress signaling in <i>Drosophila</i> . <i>Oncogene</i> , 1999 , 18, 6172-82	9.2	103
342	Interorgan Communication Pathways in Physiology: Focus on <i>Drosophila</i> . <i>Annual Review of Genetics</i> , 2016 , 50, 539-570	14.5	103
341	Unusually effective microRNA targeting within repeat-rich coding regions of mammalian mRNAs. <i>Genome Research</i> , 2011 , 21, 1395-403	9.7	102
340	The nonreceptor protein tyrosine phosphatase corkscrew functions in multiple receptor tyrosine kinase pathways in <i>Drosophila</i> . <i>Developmental Biology</i> , 1996 , 180, 63-81	3.1	102
339	The torso pathway in <i>Drosophila</i> : lessons on receptor tyrosine kinase signaling and pattern formation. <i>Developmental Biology</i> , 1994 , 166, 380-95	3.1	102
338	A genomewide RNA interference screen for modifiers of aggregates formation by mutant Huntingtin in <i>Drosophila</i> . <i>Genetics</i> , 2010 , 184, 1165-79	4	101
337	The <i>Drosophila</i> kekkon genes: novel members of both the leucine-rich repeat and immunoglobulin superfamilies expressed in the CNS. <i>Developmental Biology</i> , 1996 , 178, 63-76	3.1	100
336	The torso receptor protein-tyrosine kinase signaling pathway: an endless story. <i>Cell</i> , 1993 , 74, 219-22	56.2	100
335	Phosphorylation networks regulating JNK activity in diverse genetic backgrounds. <i>Science</i> , 2008 , 322, 453-6	33.3	98
334	Apicobasal polarization: epithelial form and function. <i>Current Opinion in Cell Biology</i> , 2003 , 15, 747-52	9	98
333	Complementary genomic screens identify SERCA as a therapeutic target in NOTCH1 mutated cancer. <i>Cancer Cell</i> , 2013 , 23, 390-405	24.3	97
332	A regulatory network of <i>Drosophila</i> germline stem cell self-renewal. <i>Developmental Cell</i> , 2014 , 28, 459-73	30.2	95
331	The Wingless morphogen gradient is established by the cooperative action of Frizzled and Heparan Sulfate Proteoglycan receptors. <i>Developmental Biology</i> , 2004 , 276, 89-100	3.1	95

330	Functional binding of secreted molecules to heparan sulfate proteoglycans in <i>Drosophila</i> . <i>Current Opinion in Cell Biology</i> , 2000 , 12, 575-80	9	95
329	Entry is a rate-limiting step for viral infection in a <i>Drosophila melanogaster</i> model of pathogenesis. <i>Nature Immunology</i> , 2004 , 5, 81-7	19.1	94
328	Proteomic mapping in live <i>Drosophila</i> tissues using an engineered ascorbate peroxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12093-8	11.5	93
327	Design and implementation of high-throughput RNAi screens in cultured <i>Drosophila</i> cells. <i>Nature Protocols</i> , 2007 , 2, 2245-64	18.8	93
326	Cellular functions of proteoglycans--an overview. <i>Seminars in Cell and Developmental Biology</i> , 2001 , 12, 65-7	7.5	93
325	l(1)hopscotch, A larval-pupal zygotic lethal with a specific maternal effect on segmentation in <i>Drosophila</i> . <i>Developmental Biology</i> , 1986 , 118, 28-41	3.1	93
324	Integrating protein-protein interaction networks with phenotypes reveals signs of interactions. <i>Nature Methods</i> , 2014 , 11, 94-9	21.6	92
323	Generating lineage-specific markers to study <i>Drosophila</i> development. <i>Genesis</i> , 1991 , 12, 238-52		92
322	The effects of zygotic lethal mutations on female germ-line functions in <i>Drosophila</i> . <i>Developmental Biology</i> , 1984 , 105, 404-14	3.1	92
321	rasp, a putative transmembrane acyltransferase, is required for Hedgehog signaling. <i>Development (Cambridge)</i> , 2002 , 129, 843-851	6.6	92
320	Mechanisms of muscle growth and atrophy in mammals and <i>Drosophila</i> . <i>Developmental Dynamics</i> , 2014 , 243, 201-15	2.9	90
319	The circadian clock gates the intestinal stem cell regenerative state. <i>Cell Reports</i> , 2013 , 3, 996-1004	10.6	90
318	FlyPrimerBank: an online database for <i>Drosophila melanogaster</i> gene expression analysis and knockdown evaluation of RNAi reagents. <i>G3: Genes, Genomes, Genetics</i> , 2013 , 3, 1607-16	3.2	89
317	Activation of the JNK pathway during dorsal closure in <i>Drosophila</i> requires the mixed lineage kinase, slipper. <i>Genes and Development</i> , 2002 , 16, 377-87	12.6	89
316	The evolutionarily conserved porcupine gene family is involved in the processing of the Wnt family. <i>FEBS Journal</i> , 2000 , 267, 4300-11		89
315	Developmental genetics of the 2C-D region of the <i>Drosophila</i> X chromosome. <i>Genetics</i> , 1985 , 111, 23-414		88
314	Signalling pathways initiated by receptor protein tyrosine kinases in <i>Drosophila</i> . <i>Current Opinion in Cell Biology</i> , 1994 , 6, 260-6	9	87
313	Identification of potential drug targets for tuberous sclerosis complex by synthetic screens combining CRISPR-based knockouts with RNAi. <i>Science Signaling</i> , 2015 , 8, rs9	8.8	86

312	In vivo imaging of <i>Drosophila melanogaster</i> pupae with mesoscopic fluorescence tomography. <i>Nature Methods</i> , 2008 , 5, 45-7	21.6	85
311	A gene-specific library for. <i>ELife</i> , 2018 , 7,	8.9	85
310	The molecular genetics of head development in <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 1991 , 112, 899-912	6.6	84
309	In Vivo Transcriptional Activation Using CRISPR/Cas9 in <i>Drosophila</i> . <i>Genetics</i> , 2015 , 201, 433-42	4	83
308	Applications of high-throughput RNA interference screens to problems in cell and developmental biology. <i>Genetics</i> , 2007 , 175, 7-16	4	83
307	Evidence for engrailed-independent wingless autoregulation in <i>Drosophila</i> . <i>Developmental Biology</i> , 1995 , 170, 636-50	3.1	83
306	A cyclase-associated protein regulates actin and cell polarity during <i>Drosophila</i> oogenesis and in yeast. <i>Current Biology</i> , 2000 , 10, 964-73	6.3	82
305	Role of heparan sulfate proteoglycans in cell-cell signaling in <i>Drosophila</i> . <i>Matrix Biology</i> , 2000 , 19, 303-7	11.4	82
304	Opposing actions of CSW and RasGAP modulate the strength of Torso RTK signaling in the <i>Drosophila</i> terminal pathway. <i>Molecular Cell</i> , 1998 , 2, 719-27	17.6	80
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