

Norbert Perrimon

List of Publications by Year in Descending Order

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

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	Protein visualization and manipulation in through the use of epitope tags recognized by nanobodies.. <i>ELife</i> , 2022 , 11,	8.9	3
472	The Yun/Prohibitin complex regulates adult intestinal stem cell proliferation through the transcription factor E2F1.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	1
471	A salivary gland-secreted peptide regulates insect systemic growth.. <i>Cell Reports</i> , 2022 , 38, 110397	10.6	1
470	Lysosomal cystine mobilization shapes the response of TORC1 and tissue growth to fasting.. <i>Science</i> , 2022 , 375, eabc4203	33.3	4
469	Fly Cell Atlas: A single-nucleus transcriptomic atlas of the adult fruit fly.. <i>Science</i> , 2022 , 375, eabk2432	33.3	23
468	Trans-omics analysis of insulin action reveals a cell growth subnetwork which co-regulates anabolic processes.. <i>Science</i> , 2022 , 25, 104231	6.1	0
467	Bioinformatic and cell-based tools for pooled CRISPR knockout screening in mosquitos. <i>Nature Communications</i> , 2021 , 12, 6825	17.4	0
466	Precise genome engineering in using prime editing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	27
465	FlyBase: updates to the Drosophila melanogaster knowledge base. <i>Nucleic Acids Research</i> , 2021 , 49, D899-D907	10.6	0
464	mTORC1-chaperonin CCT signaling regulates mA RNA methylation to suppress autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	10
463	Methods and tools for spatial mapping of single-cell RNAseq clusters in Drosophila. <i>Genetics</i> , 2021 , 217,	4	5
462	Proteomics of protein trafficking by in vivo tissue-specific labeling. <i>Nature Communications</i> , 2021 , 12, 2382	17.4	13
461	mTORC1 promotes cell growth via mA-dependent mRNA degradation. <i>Molecular Cell</i> , 2021 , 81, 2064-2075	15.68	9
460	Optimized CRISPR tools and site-directed transgenesis towards gene drive development in Culex quinquefasciatus mosquitoes. <i>Nature Communications</i> , 2021 , 12, 2960	17.4	8
459	TIMEOR: a web-based tool to uncover temporal regulatory mechanisms from multi-omics data. <i>Nucleic Acids Research</i> , 2021 , 49, W641-W653	20.1	1
458	What fuels the fly: Energy metabolism in and its application to the study of obesity and diabetes. <i>Science Advances</i> , 2021 , 7,	14.3	9
457	FlyRNAi.org-the database of the Drosophila RNAi screening center and transgenic RNAi project: 2021 update. <i>Nucleic Acids Research</i> , 2021 , 49, D908-D915	20.1	8

456	Proximity-dependent labeling methods for proteomic profiling in living cells: An update. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2021 , 10, e392	5.9	16
455	Endonuclease G promotes autophagy by suppressing mTOR signaling and activating the DNA damage response. <i>Nature Communications</i> , 2021 , 12, 476	17.4	13
454	DRscDB: A single-cell RNA-seq resource for data mining and data comparison across species. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 2018-2026	6.8	3
453	Preparation of Larval Blood Cells for Single-cell RNA Sequencing. <i>Bio-protocol</i> , 2021 , 11, e4127	0.9	1
452	Cross-species identification of PIP5K1-, splicing- and ubiquitin-related pathways as potential targets for RB1-deficient cells. <i>PLoS Genetics</i> , 2021 , 17, e1009354	6	1
451	Coordination of tumor growth and host wasting by tumor-derived Upd3. <i>Cell Reports</i> , 2021 , 36, 109553	10.6	3
450	Metabolic decisions in development and disease-a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021 ,	6.5	1
449	Defining cell types and lineage in the Drosophila midgut using single cell transcriptomics. <i>Current Opinion in Insect Science</i> , 2021 , 47, 12-17	5.1	4
448	FlyPhoneDB: an integrated web-based resource for cell-cell communication prediction in Drosophila.. <i>Genetics</i> , 2021 ,	4	2
447	A model of oral peptide therapeutics for adult intestinal stem cell tumors. <i>DMM Disease Models and Mechanisms</i> , 2020 , 13,	4.1	3
446	CG14906 (mettl4) mediates mA methylation of U2 snRNA in. <i>Cell Discovery</i> , 2020 , 6, 44	22.3	16
445	as a model for studying cystic fibrosis pathophysiology of the gastrointestinal system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 10357-10367	11.5	8
444	Large-Scale Transgenic Resource Collections for Loss- and Gain-of-Function Studies. <i>Genetics</i> , 2020 , 214, 755-767	4	20
443	A single-cell survey of blood. <i>ELife</i> , 2020 , 9,	8.9	53
442	Author response: A single-cell survey of Drosophila blood 2020 ,		4
441	PDGF/VEGF signaling from muscles to hepatocyte-like cells protects against obesity. <i>ELife</i> , 2020 , 9,	8.9	13
440	Downregulation of the tyrosine degradation pathway extends lifespan. <i>ELife</i> , 2020 , 9,	8.9	7
439	Probe-Seq: Method for RNA Sequencing of Specific Cell Types from Animal Tissue. <i>Bio-protocol</i> , 2020 , 10, e3749	0.9	

438	SNP-CRISPR: A Web Tool for SNP-Specific Genome Editing. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 489-494	19.4	19
437	A cell atlas of the adult midgut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 1514-1523	11.5	67
436	Gene Knock-Ins in Using Homology-Independent Insertion of Universal Donor Plasmids. <i>Genetics</i> , 2020 , 214, 75-89	4	12
435	Intestinal response to dietary manganese depletion in <i>Drosophila</i> . <i>Metallomics</i> , 2020 , 12, 218-240	4.5	11
434	Use of the CRISPR-Cas9 System in <i>Drosophila</i> Cultured Cells to Introduce Fluorescent Tags into Endogenous Genes. <i>Current Protocols in Molecular Biology</i> , 2020 , 130, e112	2.9	5
433	An in vivo RNAi screen uncovers the role of AdoR signaling and adenosine deaminase in controlling intestinal stem cell activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 464-471	11.5	5
432	No Evidence that Wnt Ligands Are Required for Planar Cell Polarity in <i>Drosophila</i> . <i>Cell Reports</i> , 2020 , 32, 108121	10.6	17
431	Targeting metabolic pathways for extension of lifespan and healthspan across multiple species. <i>Ageing Research Reviews</i> , 2020 , 64, 101188	12	11
430	BioLitMine: Advanced Mining of Biomedical and Biological Literature About Human Genes and Genes from Major Model Organisms. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 4531-4539	3.2	5
429	Fat Body p53 Regulates Systemic Insulin Signaling and Autophagy under Nutrient Stress via <i>Drosophila</i> Upd2 Repression. <i>Cell Reports</i> , 2020 , 33, 108321	10.6	6
428	Expanding the horizons of genome editing in the fruit fly with Cas12a. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24019-24021	11.5	
427	CRISPR-based engineering of gene knockout cells by homology-directed insertion in polyploid <i>Drosophila</i> S2R+ cells. <i>Nature Protocols</i> , 2020 , 15, 3478-3498	18.8	1
426	Single-cell transcriptome maps of myeloid blood cell lineages in <i>Drosophila</i> . <i>Nature Communications</i> , 2020 , 11, 4483	17.4	39
425	Alliance of Genome Resources Portal: unified model organism research platform. <i>Nucleic Acids Research</i> , 2020 , 48, D650-D658	20.1	71
424	Regulation of insulin and adipokinetic hormone/glucagon production in flies. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2020 , 9, e360	5.9	27
423	Apical polarity proteins recruit the RhoGEF Cysts to promote junctional myosin assembly. <i>Journal of Cell Biology</i> , 2019 , 218, 3397-3414	7.3	12
422	HIF-independent synthetic lethality between CDK4/6 inhibition and VHL loss across species. <i>Science Signaling</i> , 2019 , 12,	8.8	25
421	iProteinDB: An Integrative Database of Post-translational Modifications. <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 1-11	3.2	10

4 ²⁰	An Evolutionarily Conserved uORF Regulates PGC1 β and Oxidative Metabolism in Mice, Flies, and Bluefin Tuna. <i>Cell Metabolism</i> , 2019 , 30, 190-200.e6	24.6	19
4 ¹⁹	Conserved phosphorylation hotspots in eukaryotic protein domain families. <i>Nature Communications</i> , 2019 , 10, 1977	17.4	18
4 ¹⁸	The Multidimensional Organization of Interorgan Communication Networks. <i>Developmental Cell</i> , 2019 , 50, 395-396	10.2	4
4 ¹⁷	Interspecies analysis of MYC targets identifies tRNA synthetases as mediators of growth and survival in MYC-overexpressing cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 14614-14619	11.5	10
4 ¹⁶	Pooled CRISPR Screens in Drosophila Cells. <i>Current Protocols in Molecular Biology</i> , 2019 , 129, e111	2.9	5
4 ¹⁵	Methionine metabolism and methyltransferases in the regulation of aging and lifespan extension across species. <i>Aging Cell</i> , 2019 , 18, e13034	9.9	64
4 ¹⁴	In vivo study of gene expression with an enhanced dual-color fluorescent transcriptional timer. <i>ELife</i> , 2019 , 8,	8.9	24
4 ¹³	Probe-Seq enables transcriptional profiling of specific cell types from heterogeneous tissue by RNA-based isolation. <i>ELife</i> , 2019 , 8,	8.9	14
4 ¹²	An efficient CRISPR-based strategy to insert small and large fragments of DNA using short homology arms. <i>ELife</i> , 2019 , 8,	8.9	41
4 ¹¹	Loss of CDK4/6 Activity Is Synthetic Lethal with VHL Inactivation in Clear Cell Renal Cell Carcinoma. <i>FASEB Journal</i> , 2019 , 33, 674.9	0.9	
4 ¹⁰	Drosophila as a Model for Tumor-Induced Organ Wasting. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1167, 191-205	3.6	5
4 ⁰⁹	A role for actomyosin contractility in Notch signaling. <i>BMC Biology</i> , 2019 , 17, 12	7.3	17
4 ⁰⁸	The role of translationally controlled tumor protein in proliferation of intestinal stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	8
4 ⁰⁷	Tumor-Derived Ligands Trigger Tumor Growth and Host Wasting via Differential MEK Activation. <i>Developmental Cell</i> , 2019 , 48, 277-286.e6	10.2	24
4 ⁰⁶	The Septate Junction Protein Tsp2A Restricts Intestinal Stem Cell Activity via Endocytic Regulation of aPKC and Hippo Signaling. <i>Cell Reports</i> , 2019 , 26, 670-688.e6	10.6	27
4 ⁰⁵	FlyBase 2.0: the next generation. <i>Nucleic Acids Research</i> , 2019 , 47, D759-D765	20.1	429
4 ⁰⁴	Mechanosensitive channels and their functions in stem cell differentiation. <i>Experimental Cell Research</i> , 2019 , 374, 259-265	4.2	18
4 ⁰³	Next-generation CRISPR/Cas9 transcriptional activation in using flySAM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4719-4724	11.5	31

402	Phosphorylation of Beta-3 adrenergic receptor at serine 247 by ERK MAP kinase drives lipolysis in obese adipocytes. <i>Molecular Metabolism</i> , 2018 , 12, 25-38	8.8	39
401	Mechanical regulation of stem-cell differentiation by the stretch-activated Piezo channel. <i>Nature</i> , 2018 , 555, 103-106	50.4	162
400	Molecular Interaction Search Tool (MIST): an integrated resource for mining gene and protein interaction data. <i>Nucleic Acids Research</i> , 2018 , 46, D567-D574	20.1	39
399	Zinc Detoxification: A Functional Genomics and Transcriptomics Analysis in Cultured Cells. <i>G3: Genes, Genomes, Genetics</i> , 2018 , 8, 631-641	3.2	9
398	The TORC1-Regulated CPA Complex Rewires an RNA Processing Network to Drive Autophagy and Metabolic Reprogramming. <i>Cell Metabolism</i> , 2018 , 27, 1040-1054.e8	24.6	28
397	Krüppel homolog 1 represses insect ecdysone biosynthesis by directly inhibiting the transcription of steroidogenic enzymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3960-3965	11.5	50
396	Xio is a component of the sex determination pathway and RNA -methyladenosine methyltransferase complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3674-3679	11.5	55
395	Understanding cellular signaling and systems biology with precision: A perspective from ultrastructure and organelle studies in the midgut. <i>Current Opinion in Systems Biology</i> , 2018 , 11, 24-31	3.2	4
394	Functional Genomics Screens in Drosophila Cells 2018 , 165-191		
393	CRISPR-Based Perturbation of Gene Function in Drosophila Cells 2018 , 193-206		
392	Efficient proximity labeling in living cells and organisms with TurboID. <i>Nature Biotechnology</i> , 2018 , 36, 880-887	44.5	448
391	Blocking p62-dependent SMN degradation ameliorates spinal muscular atrophy disease phenotypes. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3008-3023	15.9	16
390	Pooled genome-wide CRISPR screening for basal and context-specific fitness gene essentiality in cells. <i>ELife</i> , 2018 , 7,	8.9	36
389	intestinal stem and progenitor cells are major sources and regulators of homeostatic niche signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12218-12223	11.5	40
388	Intestinal Stem Cells Exhibit Conditional Circadian Clock Function. <i>Stem Cell Reports</i> , 2018 , 11, 1287-1308		21
387	Endocrine Regulation of Energy Balance by Drosophila TGF- β Activins. <i>BioEssays</i> , 2018 , 40, e1800044	4.1	3
386	A Membrane Transporter Is Required for Steroid Hormone Uptake in Drosophila. <i>Developmental Cell</i> , 2018 , 47, 294-305.e7	10.2	57
385	Co-selection: A Method for Enriching CRISPR/Cas9-Edited Alleles in. <i>G3: Genes, Genomes, Genetics</i> , 2018 , 8, 2749-2756	3.2	11

384	A gene-specific library for. <i>ELife</i> , 2018 , 7,	8.9	85
383	Midgut-Derived Activin Regulates Glucagon-like Action in the Fat Body and Glycemic Control. <i>Cell Metabolism</i> , 2017 , 25, 386-399	24.6	74
382	eUnaG: a new ligand-inducible fluorescent reporter to detect drug transporter activity in live cells. <i>Scientific Reports</i> , 2017 , 7, 41619	4.9	11
381	Thermogenesis by THADA. <i>Developmental Cell</i> , 2017 , 41, 1-2	10.2	7
380	Proximity-dependent labeling methods for proteomic profiling in living cells. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2017 , 6, e272	5.9	35
379	An Evolutionarily Conserved Role of Presenilin in Neuronal Protection in the Aging Brain. <i>Genetics</i> , 2017 , 206, 1479-1493	4	8
378	Development of an optimized synthetic Notch receptor as an in vivo cell-cell contact sensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5467-5472	11.5	11
377	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
376	miR-263a Regulates ENaC to Maintain Osmotic and Intestinal Stem Cell Homeostasis in Drosophila. <i>Developmental Cell</i> , 2017 , 40, 23-36	10.2	20
375	FlyRNAi.org-the database of the Drosophila RNAi screening center and transgenic RNAi project: 2017 update. <i>Nucleic Acids Research</i> , 2017 , 45, D672-D678	20.1	31
374	A Mechanism Coupling Systemic Energy Sensing to Adipokine Secretion. <i>Developmental Cell</i> , 2017 , 43, 83-98.e6	10.2	20
373	Accessing the Phenotype Gap: Enabling Systematic Investigation of Paralog Functional Complexity with CRISPR. <i>Developmental Cell</i> , 2017 , 43, 6-9	10.2	23
372	mTORC1 Couples Nucleotide Synthesis to Nucleotide Demand Resulting in a Targetable Metabolic Vulnerability. <i>Cancer Cell</i> , 2017 , 32, 624-638.e5	24.3	73
371	Synthetic Lethality Screens Using RNAi in Combination with CRISPR-based Knockout in Cells. <i>Bio-protocol</i> , 2017 , 7,	0.9	8
370	Proteomic and Metabolomic Characterization of a Mammalian Cellular Transition from Quiescence to Proliferation. <i>Cell Reports</i> , 2017 , 20, 721-736	10.6	25
369	Optimized strategy for in vivo Cas9-activation in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9409-9414	11.5	41
368	The Drosophila Gene Expression Tool (DGET) for expression analyses. <i>BMC Bioinformatics</i> , 2017 , 18, 98	3.6	26
367	Open questions: completing the parts list and finding the integrating signals. <i>BMC Biology</i> , 2017 , 15, 47	7.3	2

366	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
365	Improved detection of synthetic lethal interactions in cells using variable dose analysis (VDA). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E10755-E10762	11.5	7
364	Gene2Function: An Integrated Online Resource for Gene Function Discovery. <i>G3: Genes, Genomes, Genetics</i> , 2017 , 7, 2855-2858	3.2	15
363	Oxidative stress induces stem cell proliferation via TRPA1/RyR-mediated Ca signaling in the midgut. <i>ELife</i> , 2017 , 6,	8.9	46
362	Author response: Oxidative stress induces stem cell proliferation via TRPA1/RyR-mediated Ca ²⁺ signaling in the Drosophila midgut 2017 ,		2
361	Activin signaling mediates muscle-to-adipose communication in a mitochondria dysfunction-associated obesity model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8596-8601	11.5	32
360	Mapping signaling pathway cross-talk in Drosophila cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9940-5	11.5	25
359	An Integrative Analysis of the InR/PI3K/Akt Network Identifies the Dynamic Response to Insulin Signaling. <i>Cell Reports</i> , 2016 , 16, 3062-3074	10.6	44
358	A Cross-Species Study of PI3K Protein-Protein Interactions Reveals the Direct Interaction of P85 and SHP2. <i>Scientific Reports</i> , 2016 , 6, 20471	4.9	30
357	Comparing CRISPR and RNAi-based screening technologies. <i>Nature Biotechnology</i> , 2016 , 34, 621-3	44.5	24
356	Tissue-specific down-regulation of S-adenosyl-homocysteine via suppression of dAhcyL1/dAhcyL2 extends health span and life span in Drosophila. <i>Genes and Development</i> , 2016 , 30, 1409-22	12.6	51
355	Wildtype adult stem cells, unlike tumor cells, are resistant to cellular damages in Drosophila. <i>Developmental Biology</i> , 2016 , 411, 207-216	3.1	19
354	miR-190 Enhances HIF-Dependent Responses to Hypoxia in Drosophila by Inhibiting the Prolyl-4-hydroxylase Fatiga. <i>PLoS Genetics</i> , 2016 , 12, e1006073	6	20
353	The postsynaptic t-SNARE Syntaxin 4 controls traffic of Neuroligin 1 and Synaptotagmin 4 to regulate retrograde signaling. <i>ELife</i> , 2016 , 5,	8.9	24
352	Seipin is required for converting nascent to mature lipid droplets. <i>ELife</i> , 2016 , 5,	8.9	196
351	CRISPR guide RNA design for research applications. <i>FEBS Journal</i> , 2016 , 283, 3232-8	5.7	56
350	Coordinated control of Notch/Delta signalling and cell cycle progression drives lateral inhibition-mediated tissue patterning. <i>Development (Cambridge)</i> , 2016 , 143, 2305-10	6.6	24
349	Advances and Future Directions for Tuberous Sclerosis Complex Research: Recommendations From the 2015 Strategic Planning Conference. <i>Pediatric Neurology</i> , 2016 , 60, 1-12	2.9	34

348	Comparison of Cas9 activators in multiple species. <i>Nature Methods</i> , 2016 , 13, 563-567	21.6	308
347	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
346	Cas9-Mediated Genome Engineering in <i>Drosophila melanogaster</i> . <i>Cold Spring Harbor Protocols</i> , 2016 , 2016,	1.2	16
345	Design and Generation of <i>Drosophila</i> Single Guide RNA Expression Constructs. <i>Cold Spring Harbor Protocols</i> , 2016 , 2016,	1.2	11
344	Design and Generation of Donor Constructs for Genome Engineering in <i>Drosophila</i> . <i>Cold Spring Harbor Protocols</i> , 2016 , 2016,	1.2	11
343	Detection of Indel Mutations in <i>Drosophila</i> by High-Resolution Melt Analysis (HRMA). <i>Cold Spring Harbor Protocols</i> , 2016 , 2016,	1.2	10
342	Toward a Systems Understanding of Signaling Pathway Function. <i>Current Topics in Developmental Biology</i> , 2016 , 117, 221-36	5.3	1
341	Interorgan Communication Pathways in Physiology: Focus on <i>Drosophila</i> . <i>Annual Review of Genetics</i> , 2016 , 50, 539-570	14.5	103
340	Oncogenic transformation of <i>Drosophila</i> somatic cells induces a functional piRNA pathway. <i>Genes and Development</i> , 2016 , 30, 1623-35	12.6	29
339	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
338	BIOSAFETY. Safeguarding gene drive experiments in the laboratory. <i>Science</i> , 2015 , 349, 927-9	33.3	215
337	A systems-level interrogation identifies regulators of <i>Drosophila</i> blood cell number and survival. <i>PLoS Genetics</i> , 2015 , 11, e1005056	6	12
336	Regulators of autophagosome formation in <i>Drosophila</i> muscles. <i>PLoS Genetics</i> , 2015 , 11, e1005006	6	18
335	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
334	Highly efficient Cas9-mediated transcriptional programming. <i>Nature Methods</i> , 2015 , 12, 326-8	21.6	856
333	In Vivo Transcriptional Activation Using CRISPR/Cas9 in <i>Drosophila</i> . <i>Genetics</i> , 2015 , 201, 433-42	4	83
332	A transgenic resource for conditional competitive inhibition of conserved <i>Drosophila</i> microRNAs. <i>Nature Communications</i> , 2015 , 6, 7279	17.4	44
331	Discovery of progenitor cell signatures by time-series synexpression analysis during <i>Drosophila</i> embryonic cell immortalization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12974-9	11.5	16

330	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
329	Stress signaling between organs in metazoa. <i>Annual Review of Cell and Developmental Biology</i> , 2015 , 31, 497-522	12.6	28
328	Proteomic mapping in live Drosophila 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	Reagent and Data Resources for Investigation of RNA Binding Protein Functions in Drosophila melanogaster Cultured Cells. <i>G3: Genes, Genomes, Genetics</i> , 2015 , 5, 1919-24	3.2	6
326	GLAD: an Online Database of Gene List Annotation for Drosophila. <i>Journal of Genomics</i> , 2015 , 3, 75-81	0.9	37
325	Mechanical Allosterity: Evidence for a Force Requirement in the Proteolytic Activation of Notch. <i>Developmental Cell</i> , 2015 , 33, 729-36	10.2	184
324	The Transgenic RNAi Project at Harvard Medical School: Resources and Validation. <i>Genetics</i> , 2015 , 201, 843-52	4	268
323	spenito is required for sex determination in Drosophila melanogaster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11606-11	11.5	29
322	Stable Force Balance between Epithelial Cells Arises from F-Actin Turnover. <i>Developmental Cell</i> , 2015 , 35, 685-97	10.2	65
321	The Atg1-Tor pathway regulates yolk catabolism in Drosophila embryos. <i>Development (Cambridge)</i> , 2015 , 142, 3869-78	6.6	17
320	The Atg1-Tor pathway regulates yolk catabolism in Drosophila embryos. <i>Journal of Cell Science</i> , 2015 , 128, e1.1-e1.1	5.3	
319	Diversity and dynamics of the Drosophila transcriptome. <i>Nature</i> , 2014 , 512, 393-9	50.4	418
318	A regulatory network of Drosophila germline stem cell self-renewal. <i>Developmental Cell</i> , 2014 , 28, 459-73	10.2	95
317	Mechanisms of muscle growth and atrophy in mammals and Drosophila. <i>Developmental Dynamics</i> , 2014 , 243, 201-15	2.9	90
316	Integrating protein-protein interaction networks with phenotypes reveals signs of interactions. <i>Nature Methods</i> , 2014 , 11, 94-9	21.6	92
315	Resources for functional genomics studies in Drosophila melanogaster. <i>Genetics</i> , 2014 , 197, 1-18	4	53
314	Comparative analysis of the transcriptome across distant species. <i>Nature</i> , 2014 , 512, 445-8	50.4	207
313	Functional screening in Drosophila identifies Alzheimer's disease susceptibility genes and implicates Tau-mediated mechanisms. <i>Human Molecular Genetics</i> , 2014 , 23, 870-7	5.6	113

312	Systematic screen of chemotherapeutics in Drosophila stem cell tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4530-5	11.5	79
311	RNAi screening comes of age: improved techniques and complementary approaches. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 591-600	48.7	241
310	Online GESS: prediction of miRNA-like off-target effects in large-scale RNAi screen data by seed region analysis. <i>BMC Bioinformatics</i> , 2014 , 15, 192	3.6	27
309	Combining genetic perturbations and proteomics to examine kinase-phosphatase networks in Drosophila embryos. <i>Developmental Cell</i> , 2014 , 31, 114-27	10.2	42
308	Spatial and temporal organization of signaling pathways. <i>Trends in Biochemical Sciences</i> , 2014 , 39, 457-64	10.3	41
307	Inducing RNAi in Drosophila cells by soaking with dsRNA. <i>Cold Spring Harbor Protocols</i> , 2014 , 2014,	1.2	5
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13	Gene knock-ins in <i>Drosophila</i> using homology-independent insertion of universal donor plasmids		2
12	SNP-CRISPR: a web tool for SNP-specific genome editing		1
11	<i>Drosophila</i> PDGF/VEGF signaling from muscles to hepatocyte-like cells protects against obesity		2
10	A single-cell survey of <i>Drosophila</i> blood		2
9	Single-cell transcriptome maps of myeloid blood cell lineages in <i>Drosophila</i>		5
8	BioLitMine: advanced mining of biomedical and biological literature about human genes and genes from major model organisms		1
7	Precise genome engineering in <i>Drosophila</i> using prime editing		5

6	CRISPR-Cas13 mediated Knock Down in Drosophila cultured cells	2
5	A cell atlas of the adult Drosophila midgut	2
4	FlyPhoneDB: An integrated web-based resource for cell-cell communication prediction in Drosophila	2
3	Fly Cell Atlas: a single-cell transcriptomic atlas of the adult fruit fly	16
2	DRscDB: A single-cell RNA-seq resource for data mining and data comparison across species	2
1	A cell atlas of the fly kidney	2