Stephanie E Mohr

List of Publications by Year
in descending order

55 papers	4,878 citations	159585 30 h-index	175258 52 g-index
67 all docs	67 docs citations	67 times ranked	7895 citing authors

#	Article	IF	Citations
1	An integrative approach to ortholog prediction for disease-focused and other functional studies. BMC Bioinformatics, 2011, 12, 357.	2.6	629
2	The Transgenic RNAi Project at Harvard Medical School: Resources and Validation. Genetics, 2015, 201, 843-852.	2.9	502
3	Optimized gene editing technology for *Drosophila melanogaster* using germ line-specific Cas9. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19012-19017.	7.1	365
4	RNAi screening comes of age: improved techniques and complementary approaches. Nature Reviews Molecular Cell Biology, 2014, 15, 591-600.	37.0	289
5	Genomic Screening with RNAi: Results and Challenges. Annual Review of Biochemistry, 2010, 79, 37-64.	11.1	260
6	A gene-specific T2A-GAL4 library for Drosophila. ELife, 2018, 7, .	6.0	203
7	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
8	Loss-of-function genetic tools for animal models: cross-species and cross-platform differences. Nature Reviews Genetics, 2017, 18, 24-40.	16.3	159
9	Methionine metabolism and methyltransferases in the regulation of aging and lifespan extension across species. Aging Cell, 2019, 18, e13034.	6.7	151
10	Integrating protein-protein interaction networks with phenotypes reveals signs of interactions. Nature Methods, 2014, 11, 94-99.	19.0	130
11	FlyPrimerBank: An Online Database for *Drosophila melanogaster* Gene Expression Analysis and Knockdown Evaluation of RNAi Reagents. G3: Genes, Genomes, Genetics, 2013, 3, 1607-1616.	1.8	129
12	RNAi screening: new approaches, understandings, and organisms. Wiley Interdisciplinary Reviews RNA, 2012, 3, 145-158.	6.4	120
13	Identification of potential drug targets for tuberous sclerosis complex by synthetic screens combining CRISPR-based knockouts with RNAi. Science Signaling, 2015, 8, rs9.	3.6	113
14	Protein Complex–Based Analysis Framework for High-Throughput Data Sets. Science Signaling, 2013, 6, rs5.	3.6	110
15	An efficient CRISPR-based strategy to insert small and large fragments of DNA using short homology arms. ELife, 2019, 8, .	6.0	105
16	Approaching a complete repository of sequence-verified protein-encoding clones for Saccharomyces cerevisiae. Genome Research, 2007, 17, 536-543.	5.5	99
17	Stringent Analysis of Gene Function and Protein–Protein Interactions Using Fluorescently Tagged Genes. Genetics, 2012, 190, 931-940.	2.9	92
18	Large-Scale Transgenic *Drosophila* Resource Collections for Loss- and Gain-of-Function Studies. Genetics, 2020, 214, 755-767.	2.9	81

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19	GLAD: an Online Database of <u>G</u>ene <u>L</u>ist <u>A</u>nnotation for <i><u>D</u>rosophila</i>. Journal of Genomics, 2015, 3, 75-81.	0.9	79
20	An Integrative Analysis of the InR/PI3K/Akt Network Identifies the Dynamic Response to Insulin Signaling. Cell Reports, 2016, 16, 3062-3074.	6.4	78
21	Optimized strategy for in vivo Cas9-activation in <i>Drosophila</i>. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9409-9414.	7.1	75
22	<scp>CRISPR</scp> guide <scp>RNA</scp> design for research applications. FEBS Journal, 2016, 283, 3232-3238.	4.7	74
23	Molecular Interaction Search Tool (MIST): an integrated resource for mining gene and protein interaction data. Nucleic Acids Research, 2018, 46, D567-D574.	14.5	66
24	Resources for Functional Genomics Studies in <i>Drosophila melanogaster</i>. Genetics, 2014, 197, 1-18.	2.9	61
25	FlyRNAi.orgâ€"the database of the <i>Drosophila</i> RNAi screening center and transgenic RNAi project: 2017 update. Nucleic Acids Research, 2017, 45, D672-D678.	14.5	51
26	The Drosophila Gene Expression Tool (DGET) for expression analyses. BMC Bioinformatics, 2017, 18, 98.	2.6	49
27	FlyRNAi.org--the database of the Drosophila RNAi screening center: 2012 update. Nucleic Acids Research, 2012, 40, D715-D719.	14.5	48
28	UP-TORR: Online Tool for Accurate and Up-to-Date Annotation of RNAi Reagents. Genetics, 2013, 195, 37-45.	2.9	47
29	False negative rates in Drosophila cell-based RNAi screens: a case study. BMC Genomics, 2011, 12, 50.	2.8	43
30	FlyRNAi.orgâ€"the database of the Drosophila RNAi screening center and transgenic RNAi project: 2021 update. Nucleic Acids Research, 2021, 49, D908-D915.	14.5	36
31	Accessing the Phenotype Gap: Enabling Systematic Investigation of Paralog Functional Complexity with CRISPR. Developmental Cell, 2017, 43, 6-9.	7.0	35
32	SNP-CRISPR: A Web Tool for SNP-Specific Genome Editing. G3: Genes, Genomes, Genetics, 2020, 10, 489-494.	1.8	35
33	Coordination of tumor growth and host wasting by tumor-derived Upd3. Cell Reports, 2021, 36, 109553.	6.4	35
34	PlasmID: a centralized repository for plasmid clone information and distribution. Nucleic Acids Research, 2007, 35, D680-D684.	14.5	32
35	Online GESS: prediction of miRNA-like off-target effects in large-scale RNAi screen data by seed region analysis. BMC Bioinformatics, 2014, 15, 192.	2.6	32
36	RNAi screening in Drosophila cells and in vivo. Methods, 2014, 68, 82-88.	3.8	32

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37	Targeting metabolic pathways for extension of lifespan and healthspan across multiple species. Ageing Research Reviews, 2020, 64, 101188.	10.9	30
38	Gene2Function: An Integrated Online Resource for Gene Function Discovery. G3: Genes, Genomes, Genetics, 2017, 7, 2855-2858.	1.8	27
39	State-of-the-art CRISPR for in vivo and cell-based studies in Drosophila. Trends in Genetics, 2022, 38, 437-453.	6.7	26
40	Protein visualization and manipulation in Drosophila through the use of epitope tags recognized by nanobodies. ELife, 2022, 11, .	6.0	22
41	Zinc Detoxification: A Functional Genomics and Transcriptomics Analysis in <i>Drosophila melanogaster</i> Cultured Cells. G3: Genes, Genomes, Genetics, 2018, 8, 631-641.	1.8	19
42	DRscDB: A single-cell RNA-seq resource for data mining and data comparison across species. Computational and Structural Biotechnology Journal, 2021, 19, 2018-2026.	4.1	17
43	Intestinal response to dietary manganese depletion in <i>Drosophila</i>. Metallomics, 2020, 12, 218-240.	2.4	16
44	<i>Drosophila melanogaster</i>: a simple system for understanding complexity. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	15
45	Pooled CRISPR Screens in Drosophila Cells. Current Protocols in Molecular Biology, 2019, 129, e111.	2.9	13
46	Methods and tools for spatial mapping of single-cell RNAseq clusters in<i>Drosophila</i>. Genetics, 2021, 217, .	2.9	10
47	BioLitMine: Advanced Mining of Biomedical and Biological Literature About Human Genes and Genes from Major Model Organisms. G3: Genes, Genomes, Genetics, 2020, 10, 4531-4539.	1.8	9
48	Reagent and Data Resources for Investigation of RNA Binding Protein Functions in Drosophila melanogaster Cultured Cells. G3: Genes, Genomes, Genetics, 2015, 5, 1919-1924.	1.8	7
49	Use of the CRISPRâ€€Cas9 System in Drosophila Cultured Cells to Introduce Fluorescent Tags into Endogenous Genes. Current Protocols in Molecular Biology, 2020, 130, e112.	2.9	6
50	CRISPR-based engineering of gene knockout cells by homology-directed insertion in polyploid Drosophila S2R+ cells. Nature Protocols, 2020, 15, 3478-3498.	12.0	5
51	Editorial: Metal Biology Takes Flight: The Study of Metal Homeostasis and Detoxification in Insects. Frontiers in Genetics, 2018, 9, 221.	2.3	4
52	Bioinformatic and cell-based tools for pooled CRISPR knockout screening in mosquitos. Nature Communications, 2021, 12, 6825.	12.8	3
53	Inferring genetic architecture from systems genetics studies. , 0, , 139-160.		0
54	Functional Genomics Screens in Drosophila Cells. , 2018, , 165-191.		0

#	ARTICLE	IF	CITATIONS
55	CRISPR-Based Perturbation of Gene Function in Drosophila Cells. , 2018, , 193-206.		0