Michael Boutros

List of Publications by Citations

222 papers	18,213 citations	62 h-index	132 g-index
259 ext. papers	21,490 ext. citations	11.1 avg, IF	6.98 L-index

#	Paper	IF	Citations
222	Wnt signaling in cancer. *Oncogene*, **2017**, 36, 1461-1473	9.2	1238
221	REST: a mammalian silencer protein that restricts sodium channel gene expression to neurons. *Cell*, **1995**, 80, 949-57	56.2	922
220	The promise and perils of Wnt signaling through beta-catenin. *Science*, **2002**, 296, 1644-6	33.3	862
219	Dishevelled activates JNK and discriminates between JNK pathways in planar polarity and wingless signaling. *Cell*, **1998**, 94, 109-18	56.2	668
218	Active Wnt proteins are secreted on exosomes. *Nature Cell Biology*, **2012**, 14, 1036-45	23.4	652
217	A global genetic interaction network maps a wiring diagram of cellular function. *Science*, **2016**, 353,	33.3	626
216	Genome-wide RNAi analysis of growth and viability in Drosophila cells. *Science*, **2004**, 303, 832-5	33.3	611
215	E-CRISP: fast CRISPR target site identification. *Nature Methods*, **2014**, 11, 122-3	21.6	526
214	Secretion of Wnt ligands requires Evi, a conserved transmembrane protein. *Cell*, **2006**, 125, 523-33	56.2	439
213	Requirement of prorenin receptor and vacuolar H+-ATPase-mediated acidification for Wnt signaling. *Science*, **2010**, 327, 459-63	33.3	432
212	EBImage--an R package for image processing with applications to cellular phenotypes. *Bioinformatics*, **2010**, 26, 979-81	7.2	425
211	LGR4 and LGR5 are R-spondin receptors mediating Wnt/Ecatenin and Wnt/PCP signalling. *EMBO Reports*, **2011**, 12, 1055-61	6.5	402
210	Sequential activation of signaling pathways during innate immune responses in Drosophila. *Developmental Cell*, **2002**, 3, 711-22	10.2	395
209	Minimizing the risk of reporting false positives in large-scale RNAi screens. *Nature Methods*, **2006**, 3, 777-9	21.6	362
208	The art and design of genetic screens: RNA interference. *Nature Reviews Genetics*, **2008**, 9, 554-66	30.1	348
207	Signaling role of hemocytes in Drosophila JAK/STAT-dependent response to septic injury. *Developmental Cell*, **2003**, 5, 441-50	10.2	344
206	Preferred analysis methods for Affymetrix GeneChips revealed by a wholly defined control dataset. *Genome Biology*, **2005**, 6, R16	18.3	293

205	Identification of JAK/STAT signalling components by genome-wide RNA interference. *Nature*, **2005**, 436, 871-5	50.4	244
204	Analysis of cell-based RNAi screens. *Genome Biology*, **2006**, 7, R66	18.3	234
203	Target-specific requirements for enhancers of decapping in miRNA-mediated gene silencing. *Genes and Development*, **2007**, 21, 2558-70	12.6	230
202	Dishevelled: at the crossroads of divergent intracellular signaling pathways. *Mechanisms of Development*, **1999**, 83, 27-37	1.7	229
201	Microscopy-Based High-Content Screening. *Cell*, **2015**, 163, 1314-25	56.2	205
200	Cell cycle control of wnt receptor activation. *Developmental Cell*, **2009**, 17, 788-99	10.2	199
199	Akirins are highly conserved nuclear proteins required for NF-kappaB-dependent gene expression in drosophila and mice. *Nature Immunology*, **2008**, 9, 97-104	19.1	177
198	Wnt secretion is required to maintain high levels of Wnt activity in colon cancer cells. *Nature Communications*, **2013**, 4, 2610	17.4	176
197	Control of proinflammatory gene programs by regulated trimethylation and demethylation of histone H4K20. *Molecular Cell*, **2012**, 48, 28-38	17.6	155
196	Mapping of signaling networks through synthetic genetic interaction analysis by RNAi. *Nature Methods*, **2011**, 8, 341-6	21.6	150
195	Electrochemical cues regulate assembly of the Frizzled/Dishevelled complex at the plasma membrane during planar epithelial polarization. *Nature Cell Biology*, **2009**, 11, 286-94	23.4	141
194	Neutral sphingomyelinases control extracellular vesicles budding from the plasma membrane. *Journal of Extracellular Vesicles*, **2017**, 6, 1378056	16.4	140
193	Smed-Evi/Wntless is required for beta-catenin-dependent and -independent processes during planarian regeneration. *Development (Cambridge)*, **2009**, 136, 905-10	6.6	139
192	Proteins required for centrosome clustering in cancer cells. *Science Translational Medicine*, **2010**, 2, 33ra38	17.5	123
191	Clustering phenotype populations by genome-wide RNAi and multiparametric imaging. *Molecular Systems Biology*, **2010**, 6, 370	12.2	119
190	A combined ex vivo and in vivo RNAi screen for notch regulators in Drosophila reveals an extensive notch interaction network. *Developmental Cell*, **2010**, 18, 862-76	10.2	115
189	A novel inflammatory pathway mediating rapid hepcidin-independent hypoferremia. *Blood*, **2015**, 125, 2265-75	2.2	114
188	CRISPR/Cas9 for cancer research and therapy. *Seminars in Cancer Biology*, **2019**, 55, 106-119	12.7	112

187	GenomeRNAi: a database for cell-based and in vivo RNAi phenotypes, 2013 update. *Nucleic Acids Research*, **2013**, 41, D1021-6	20.1	111
186	An RNA interference screen identifies Inhibitor of Apoptosis Protein 2 as a regulator of innate immune signalling in Drosophila. *EMBO Reports*, **2005**, 6, 979-84	6.5	111
185	Signaling specificity by Frizzled receptors in Drosophila. *Science*, **2000**, 288, 1825-8	33.3	109
184	SMAD7 controls iron metabolism as a potent inhibitor of hepcidin expression. *Blood*, **2010**, 115, 2657-65	2.2	99
183	An integrated gene annotation and transcriptional profiling approach towards the full gene content of the Drosophila genome. *Genome Biology*, **2003**, 5, R3	18.3	98
182	E-RNAi: a web application for the multi-species design of RNAi reagents--2010 update. *Nucleic Acids Research*, **2010**, 38, W332-9	20.1	96
181	Wnt/Frizzled signaling requires dPRR, the Drosophila homolog of the prorenin receptor. *Current Biology*, **2010**, 20, 1263-8	6.3	96
180	Mapping genetic interactions in human cancer cells with RNAi and multiparametric phenotyping. *Nature Methods*, **2013**, 10, 427-31	21.6	94
179	The head-regeneration transcriptome of the planarian Schmidtea mediterranea. *Genome Biology*, **2011**, 12, R76	18.3	93
178	Identification of SUMO-dependent chromatin-associated transcriptional repression components by a genome-wide RNAi screen. *Molecular Cell*, **2008**, 29, 742-54	17.6	93
177	Endothelial cell-derived non-canonical Wnt ligands control vascular pruning in angiogenesis. *Development (Cambridge)*, **2014**, 141, 1757-66	6.6	88
176	Regulation of Wnt protein secretion and its role in gradient formation. *EMBO Reports*, **2008**, 9, 977-82	6.5	87
175	Endothelial RSPO3 Controls Vascular Stability and Pruning through Non-canonical WNT/Ca(2+)/NFAT Signaling. *Developmental Cell*, **2016**, 36, 79-93	10.2	86
174	The Drosophila STE20-like kinase misshapen is required downstream of the Frizzled receptor in planar polarity signaling. *EMBO Journal*, **1999**, 18, 4669-78	13	85
173	Machine learning and image-based profiling in drug discovery. *Current Opinion in Systems Biology*, **2018**, 10, 43-52	3.2	85
172	The Long Noncoding RNA Cancer Susceptibility 9 and RNA Binding Protein Heterogeneous Nuclear Ribonucleoprotein L Form a Complex and Coregulate Genes Linked to AKT Signaling. *Hepatology*, **2018**, 68, 1817-1832	11.2	85
171	Proteomic and functional analysis of the mitotic Drosophila centrosome. *EMBO Journal*, **2010**, 29, 3344-57	13	83
170	Drosophila Ras/MAPK signalling regulates innate immune responses in immune and intestinal stem cells. *EMBO Journal*, **2011**, 30, 1123-36	13	82

169	Wnk kinases are positive regulators of canonical Wnt/β-catenin signalling. *EMBO Reports*, **2013**, 14, 845-85	8.5	78
168	MEK inhibitors activate Wnt signalling and induce stem cell plasticity in colorectal cancer. *Nature Communications*, **2019**, 10, 2197	17.4	77
167	Genomic mapping of binding regions for the Ecdysone receptor protein complex. *Genome Research*, **2009**, 19, 1006-13	9.7	75
166	ERK7 is a negative regulator of protein secretion in response to amino-acid starvation by modulating Sec16 membrane association. *EMBO Journal*, **2011**, 30, 3684-700	13	72
165	FlyRNAi: the Drosophila RNAi screening center database. *Nucleic Acids Research*, **2006**, 34, D489-94	20.1	72
164	The Wnt secretion protein Evi/Gpr177 promotes glioma tumourigenesis. *EMBO Molecular Medicine*, **2012**, 4, 38-51	12	69
163	E-RNAi: a web application to design optimized RNAi constructs. *Nucleic Acids Research*, **2005**, 33, W582-8	20.1	69
162	The lncRNA VELUCT strongly regulates viability of lung cancer cells despite its extremely low abundance. *Nucleic Acids Research*, **2017**, 45, 5458-5469	20.1	64
161	Pooled In-Vitro and In-Vivo CRISPR-Cas9 Screening Identifies Tumor Suppressors in Human Colon Organoids. *Cell Stem Cell*, **2020**, 26, 782-792.e7	18	63
160	Mapping of Wnt-Frizzled interactions by multiplex CRISPR targeting of receptor gene families. *FASEB Journal*, **2017**, 31, 4832-4844	0.9	61
159	p24 proteins are required for secretion of Wnt ligands. *EMBO Reports*, **2011**, 12, 1265-72	6.5	60
158	The Sin3a repressor complex is a master regulator of STAT transcriptional activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 12058-63	11.5	60
157	Cytokine Diedel and a viral homologue suppress the IMD pathway in Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 698-703	11.5	59
156	Design and evaluation of genome-wide libraries for RNA interference screens. *Genome Biology*, **2010**, 11, R61	18.3	59
155	High-throughput RNA interference screens in Drosophila tissue culture cells. *Methods in Enzymology*, **2005**, 392, 55-73	1.7	59
154	A map of directional genetic interactions in a metazoan cell. *ELife*, **2015**, 4,	8.9	59
153	REPTOR and REPTOR-BP Regulate Organismal Metabolism and Transcription Downstream of TORC1. *Developmental Cell*, **2015**, 33, 272-84	10.2	57
152	The Role of Mitotic Cell-Substrate Adhesion Re-modeling in Animal Cell Division. *Developmental Cell*, **2018**, 45, 132-145.e3	10.2	55

151	RNA Interference (RNAi) Screening in. *Genetics*, **2018**, 208, 853-874	4	53
150	The microtubule affinity regulating kinase MARK4 promotes axoneme extension during early ciliogenesis. *Journal of Cell Biology*, **2013**, 200, 505-22	7.3	53
149	A large-scale resource for tissue-specific CRISPR mutagenesis in. *ELife*, **2020**, 9,	8.9	53
148	E-TALEN: a web tool to design TALENs for genome engineering. *Nucleic Acids Research*, **2013**, 41, e190	20.1	52
147	A chemical-genetic interaction map of small molecules using high-throughput imaging in cancer cells. *Molecular Systems Biology*, **2015**, 11, 846	12.2	51
146	Dpp/Gbb signaling is required for normal intestinal regeneration during infection. *Developmental Biology*, **2015**, 399, 189-203	3.1	51
145	Unbiased RNAi screen for hepcidin regulators links hepcidin suppression to proliferative Ras/RAF and nutrient-dependent mTOR signaling. *Blood*, **2014**, 123, 1574-85	2.2	50
144	web cellHTS2: a web-application for the analysis of high-throughput screening data. *BMC Bioinformatics*, **2010**, 11, 185	3.6	49
143	CRISPR library designer (CLD): software for multispecies design of single guide RNA libraries. *Genome Biology*, **2016**, 17, 55	18.3	47
142	Toward an integrated map of genetic interactions in cancer cells. *Molecular Systems Biology*, **2018**, 14, e7656	12.2	46
141	caRpools: an R package for exploratory data analysis and documentation of pooled CRISPR/Cas9 screens. *Bioinformatics*, **2016**, 32, 632-4	7.2	46
140	Robust RNAi enhancement via human Argonaute-2 overexpression from plasmids, viral vectors and cell lines. *Nucleic Acids Research*, **2013**, 41, e199	20.1	46
139	RAB8B is required for activity and caveolar endocytosis of LRP6. *Cell Reports*, **2013**, 4, 1224-34	10.6	45
138	GenomeCRISPR - a database for high-throughput CRISPR/Cas9 screens. *Nucleic Acids Research*, **2017** , 45, D679-D686	20.1	45
137	An RNAi screen identifies USP2 as a factor required for TNF-□nduced NF-B signaling. *International Journal of Cancer*, **2011**, 129, 607-18	7.5	44
136	A PP4 holoenzyme balances physiological and oncogenic nuclear factor-kappa B signaling in T lymphocytes. *Immunity*, **2012**, 37, 697-708	32.3	43
135	Database-augmented Mass Spectrometry Analysis of Exosomes Identifies Claudin 3 as a Putative Prostate Cancer Biomarker. *Molecular and Cellular Proteomics*, **2017**, 16, 998-1008	7.6	42
134	Secretion and extracellular space travel of Wnt proteins. *Current Opinion in Genetics and Development*, **2013**, 23, 385-90	4.9	42

133	Loss of epidermal Evi/Wls results in a phenotype resembling psoriasiform dermatitis. *Journal of Experimental Medicine*, **2013**, 210, 1761-77	16.6	42
132	Angiocrine Wnt signaling controls liver growth and metabolic maturation in mice. *Hepatology*, **2018**, 68, 707-722	11.2	41
131	High-throughput RNAi screening to dissect cellular pathways: a how-to guide. *Biotechnology Journal*, **2010**, 5, 368-76	5.6	41
130	Genome-wide RNAi as a route to gene function in Drosophila. *Briefings in Functional Genomics & Proteomics*, **2004**, 3, 168-76		41
129	HCF-1 amino- and carboxy-terminal subunit association through two separate sets of interaction modules: involvement of fibronectin type 3 repeats. *Molecular and Cellular Biology*, **2000**, 20, 6721-30	4.8	41
128	Wnt signaling signaling at and above the receptor level. *Current Topics in Developmental Biology*, **2011**, 97, 21-53	5.3	37
127	GenomeRNAi: a database for cell-based RNAi phenotypes. *Nucleic Acids Research*, **2007**, 35, D492-7	20.1	37
126	Ataxin-10 is part of a cachexokine cocktail triggering cardiac metabolic dysfunction in cancer cachexia. *Molecular Metabolism*, **2016**, 5, 67-78	8.8	37
125	The long non-coding RNA LINC00152 is essential for cell cycle progression through mitosis in HeLa cells. *Scientific Reports*, **2017**, 7, 2265	4.9	36
124	The cardiac microenvironment uses non-canonical WNT signaling to activate monocytes after myocardial infarction. *EMBO Molecular Medicine*, **2017**, 9, 1279-1293	12	36
123	A large-scale RNAi screen identifies Deaf1 as a regulator of innate immune responses in Drosophila. *Journal of Innate Immunity*, **2010**, 2, 181-94	6.9	34
122	A novel multiplex cell viability assay for high-throughput RNAi screening. *PLoS ONE*, **2011**, 6, e28338	3.7	34
121	SARS-CoV-2 infection induces a pro-inflammatory cytokine response through cGAS-STING and NF-B		34
120	Gene expression atlas of a developing tissue by single cell expression correlation analysis. *Nature Methods*, **2019**, 16, 750-756	21.6	33
119	Cellular phenotyping by RNAi. *Briefings in Functional Genomics & Proteomics*, **2006**, 5, 52-6		33
118	A synthetic lethal screen identifies FAT1 as an antagonist of caspase-8 in extrinsic apoptosis. *EMBO Journal*, **2014**, 33, 181-97	13	32
117	GenomeRNAi: a database for cell-based RNAi phenotypes. 2009 update. *Nucleic Acids Research*, **2010**, 38, D448-52	20.1	32
116	Transmembrane protein 198 promotes LRP6 phosphorylation and Wnt signaling activation. *Molecular and Cellular Biology*, **2011**, 31, 2577-90	4.8	32

115	ERAD-dependent control of the Wnt secretory factor Evi. *EMBO Journal*, **2018**, 37,	13	30
114	Towards a compendium of essential genes - From model organisms to synthetic lethality in cancer cells. *Critical Reviews in Biochemistry and Molecular Biology*, **2016**, 51, 74-85	8.7	30
113	Wnk kinases are positive regulators of canonical Wnt/β-catenin signalling. *EMBO Reports*, **2013**, 14, 718-25	6.5	30
112	A genome-wide RNA interference screen identifies a differential role of the mediator CDK8 module subunits for GATA/ RUNX-activated transcription in Drosophila. *Molecular and Cellular Biology*, **2010**, 30, 2837-48	4.8	30
111	Robust Wnt signaling is maintained by a Wg protein gradient and Fz2 receptor activity in the developing wing. *Development (Cambridge)*, **2019**, 146,	6.6	30
110	Ageing, metabolism and the intestine. *EMBO Reports*, **2020**, 21, e50047	6.5	29
109	A high-throughput RNAi screen for detection of immune-checkpoint molecules that mediate tumor resistance to cytotoxic T lymphocytes. *EMBO Molecular Medicine*, **2015**, 7, 450-63	12	28
108	Landscape of protein-protein interactions in Drosophila immune deficiency signaling during bacterial challenge. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 10717-22	11.5	28
107	miR-10a-5p and miR-29b-3p as Extracellular Vesicle-Associated Prostate Cancer Detection Markers. *Cancers*, **2019**, 12,	6.6	28
106	Cdk12 Is A Gene-Selective RNA Polymerase II Kinase That Regulates a Subset of the Transcriptome, Including Nrf2 Target Genes. *Scientific Reports*, **2016**, 6, 21455	4.9	27
105	A genome-wide RNA interference screen identifies caspase 4 as a factor required for tumor necrosis factor alpha signaling. *Molecular and Cellular Biology*, **2012**, 32, 3372-81	4.8	27
104	Amplicon sequencing of colorectal cancer: variant calling in frozen and formalin-fixed samples. *PLoS ONE*, **2015**, 10, e0127146	3.7	27
103	β-catenin-independent regulation of Wnt target genes by RoR2 and ATF2/ATF4 in colon cancer cells. *Scientific Reports*, **2018**, 8, 3178	4.9	26
102	Identification of ER proteins involved in the functional organisation of the early secretory pathway in Drosophila cells by a targeted RNAi screen. *PLoS ONE*, **2011**, 6, e17173	3.7	26
101	Gene knockdown studies revealed CCDC50 as a candidate gene in mantle cell lymphoma and chronic lymphocytic leukemia. *Leukemia*, **2009**, 23, 2018-26	10.7	26
100	Widespread Rewiring of Genetic Networks upon Cancer Signaling Pathway Activation. *Cell Systems*, **2018**, 6, 52-64.e4	10.6	26
99	ATF3 acts as a rheostat to control JNK signalling during intestinal regeneration. *Nature Communications*, **2017**, 8, 14289	17.4	25
98	Systematic characterization of pan-cancer mutation clusters. *Molecular Systems Biology*, **2018**, 14, e7974	12.2	25

97	Trafficking, acidification, and growth factor signaling. *Science Signaling*, **2010**, 3, pe26	8.8	24
96	Identification of JAK/STAT pathway regulators--insights from RNAi screens. *Seminars in Cell and Developmental Biology*, **2008**, 19, 360-9	7.5	24
95	JNK-dependent intestinal barrier failure disrupts host-microbe homeostasis during tumorigenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 9401-9412	11.5	23
94	Identification of human proteins that modify misfolding and proteotoxicity of pathogenic ataxin-1. *PLoS Genetics*, **2012**, 8, e1002897	6	23
93	Molecular dissection of Wnt3a-Frizzled8 interaction reveals essential and modulatory determinants of Wnt signaling activity. *BMC Biology*, **2014**, 12, 44	7.3	22
92	Keap1-Independent Regulation of Nrf2 Activity by Protein Acetylation and a BET Bromodomain Protein. *PLoS Genetics*, **2016**, 12, e1006072	6	21
91	Gut Microbiota-Derived Propionate Regulates the Expression of Reg3 Mucosal Lectins and Ameliorates Experimental Colitis in Mice. *Journal of Crohn's and Colitis*, **2020**, 14, 1462-1472	1.5	20
90	Managing the genome: microRNAs in Drosophila. *Differentiation*, **2004**, 72, 74-80	3.5	20
89	Stem Cell Intrinsic Hexosamine Metabolism Regulates Intestinal Adaptation to Nutrient Content. *Developmental Cell*, **2018**, 47, 112-121.e3	10.2	20
88	CRISPRAnalyzeR: Interactive analysis, annotation and documentation of pooled CRISPR screens		19
87	Loss of PAFAH1B2 reduces amyloid-β generation by promoting the degradation of amyloid precursor protein C-terminal fragments. *Journal of Neuroscience*, **2012**, 32, 18204-14	6.6	18
86	RNAi screening in cultured Drosophila cells. *Methods in Molecular Biology*, **2008**, 420, 139-53	1.4	17
85	Extracellular vesicles and oncogenic signaling. *Molecular Oncology*, **2021**, 15, 3-26	7.9	17
84	Immune cell recruitment in teratomas is impaired by increased Wnt secretion. *Stem Cell Research*, **2016**, 17, 607-615	1.6	16
83	Time-resolved mapping of genetic interactions to model rewiring of signaling pathways. *ELife*, **2018**, 7,	8.9	16
82	Pharmacological Inhibition of Centrosome Clustering by Slingshot-Mediated Cofilin Activation and Actin Cortex Destabilization. *Cancer Research*, **2016**, 76, 6690-6700	10.1	15
81	Measuring genetic interactions in human cells by RNAi and imaging. *Nature Protocols*, **2014**, 9, 2341-53	18.8	15
80	SARS-CoV-2 infection induces a pro-inflammatory cytokine response through cGAS-STING and NF-κB.. *Communications Biology*, **2022**, 5, 45	6.7	15

79	eIF4A inactivates TORC1 in response to amino acid starvation. *EMBO Journal*, **2016**, 35, 1058-76	13	15
78	gscreend: modelling asymmetric count ratios in CRISPR screens to decrease experiment size and improve phenotype detection. *Genome Biology*, **2020**, 21, 53	18.3	14
77	Screens, maps & networks: from genome sequences to personalized medicine. *Current Opinion in Genetics and Development*, **2012**, 22, 36-44	4.9	14
76	A spatial vascular transcriptomic, proteomic, and phosphoproteomic atlas unveils an angiocrine Tie-Wnt signaling axis in the liver. *Developmental Cell*, **2021**, 56, 1677-1693.e10	10.2	14
75	Autocrine Wnt regulates the survival and genomic stability of embryonic stem cells. *Science Signaling*, **2017**, 10,	8.8	13
74	Thymic Epithelial Cells Are a Nonredundant Source of Wnt Ligands for Thymus Development. *Journal of Immunology*, **2015**, 195, 5261-71	5.3	13
73	eGFP-tagged Wnt-3a enables functional analysis of Wnt trafficking and signaling and kinetic assessment of Wnt binding to full-length Frizzled. *Journal of Biological Chemistry*, **2020**, 295, 8759-8774	5.4	13
72	A kinome-wide RNAi screen identifies ALK as a target to sensitize neuroblastoma cells for HDAC8-inhibitor treatment. *Cell Death and Differentiation*, **2018**, 25, 2053-2070	12.7	13
71	A genetic interaction map of cell cycle regulators. *Molecular Biology of the Cell*, **2016**, 27, 1397-407	3.5	13
70	A novel phenotypic dissimilarity method for image-based high-throughput screens. *BMC Bioinformatics*, **2013**, 14, 336	3.6	13
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68	Sticking Around: Short-Range Activity of Wnt Ligands. *Developmental Cell*, **2016**, 36, 485-6	10.2	11
67	Innate immunity: regulation of caspases by IAP-dependent ubiquitylation. *EMBO Journal*, **2012**, 31, 2750-2	13	11
66	Multiplexed conditional genome editing with Cas12a in. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 22890-22899	11.5	11
65	Exocyst-mediated apical Wg secretion activates signaling in the Drosophila wing epithelium. *PLoS Genetics*, **2019**, 15, e1008351	6	10
64	Splicing stimulates siRNA formation at Drosophila DNA double-strand breaks. *PLoS Genetics*, **2017**, 13, e1006861	6	10
63	Systematic approaches to dissect biological processes in stem cells by image-based screening. *Biotechnology Journal*, **2012**, 7, 768-78	5.6	10
62	Phenotype databases for genetic screens in human cells. *Journal of Biotechnology*, **2017**, 261, 63-69	3.7	9

61	A Protocol for a High-Throughput Multiplex Cell Viability Assay. *Methods in Molecular Biology*, **2016**, 1470, 75-84	1.4	9
60	Oxygenation and adenosine deaminase support growth and proliferation of cultured wing imaginal discs. *Development (Cambridge)*, **2017**, 144, 2529-2538	6.6	8
59	On target: a public repository for large-scale RNAi experiments. *Nature Cell Biology*, **2012**, 14, 115	23.4	8
58	CAMK1D Triggers Immune Resistance of Human Tumor Cells Refractory to Anti-PD-L1 Treatment. *Cancer Immunology Research*, **2020**, 8, 1163-1179	12.5	8
57	Genome-scale CRISPR screening at high sensitivity with an empirically designed sgRNA library. *BMC Biology*, **2020**, 18, 174	7.3	8
56	Clinical relevance of gene expression in localized and metastatic prostate cancer exemplified by FABP5. *World Journal of Urology*, **2020**, 38, 637-645	4	8
55	Context-dependent genetic interactions in cancer. *Current Opinion in Genetics and Development*, **2019**, 54, 73-82	4.9	7
54	Hyd ubiquitinates the NF-B co-factor Akirin to operate an effective immune response in Drosophila. *PLoS Pathogens*, **2020**, 16, e1008458	7.6	7
53	Loxl2 is dispensable for dermal development, homeostasis and tumour stroma formation. *PLoS ONE*, **2018**, 13, e0199679	3.7	7
52	Cell perturbation screens for target identification by RNAi. *Methods in Molecular Biology*, **2012**, 910, 1-13	1.4	7
51	Multiparametric phenotyping of compound effects on patient derived organoids		7
50	Decoding the Regulatory Logic of the Drosophila Male Stem Cell System. *Cell Reports*, **2018**, 24, 3072-3086	6.6	7
49	Clinical and Histopathologic Features of Colorectal Adenocarcinoma in Crohn's Disease. *Journal of Clinical Gastroenterology*, **2018**, 52, 635-640	3	6
48	Functional analysis of the Drosophila embryonic germ cell transcriptome by RNA interference. *PLoS ONE*, **2014**, 9, e98579	3.7	6
47	Drosophila Wnt/Fz pathways. *Science Signaling*, **2005**, 2005, cm5	8.8	6
46	Wnt10b-GSK3-dependent Wnt/STOP signaling prevents aneuploidy in human somatic cells. *Life Science Alliance*, **2021**, 4,	5.8	6
45	Biochemical Methods to Analyze Wnt Protein Secretion. *Methods in Molecular Biology*, **2016**, 1481, 17-28	1.4	6
44	Methods for High-Throughput RNAi Screening in Drosophila Cells. *Methods in Molecular Biology*, **2016**, 1478, 95-116	1.4	6

43	EVI/WLS function is regulated by ubiquitylation and is linked to ER-associated degradation by ERLIN2. *Journal of Cell Science*, **2021**, 134,	5.3	6
42	HTSvis: a web app for exploratory data analysis and visualization of arrayed high-throughput screens. *Bioinformatics*, **2017**, 33, 2960-2962	7.2	5
41	Evolutionary conserved NSL complex/BRD4 axis controls transcription activation via histone acetylation. *Nature Communications*, **2020**, 11, 2243	17.4	5
40	Drosophila genome takes flight. *Nature Cell Biology*, **2000**, 2, E53-4	23.4	5
39	Refining Pathways: A Model Comparison Approach. *PLoS ONE*, **2016**, 11, e0155999	3.7	5
38	Systematic functional analysis of rab GTPases reveals limits of neuronal robustness to environmental challenges in flies. *ELife*, **2021**, 10,	8.9	5
37	The Role of Organelles in Intestinal Function, Physiology, and Disease. *Trends in Cell Biology*, **2021**, 31, 485-499	18.3	5
36	An RNAi Screen Reveals an Essential Role for HIPK4 in Human Skin Epithelial Differentiation from iPSCs. *Stem Cell Reports*, **2017**, 9, 1234-1245	8	4
35	Detection of mutational patterns in cell-free DNA of colorectal cancer by custom amplicon sequencing. *Molecular Oncology*, **2019**, 13, 1669-1683	7.9	4
34	Multi-omics integration identifies a selective vulnerability of colorectal cancer subtypes to YM155. *International Journal of Cancer*, **2021**, 148, 1948-1963	7.5	4
33	PPAR□nduces PD-L1 expression in MSS+ colorectal cancer cells. *OncoImmunology*, **2021**, 10, 1906500	7.2	4
32	Functional fingerprinting of human mesenchymal stem cells using high-throughput RNAi screening. *Genome Medicine*, **2015**, 7, 46	14.4	3
31	Single-cell phenotyping of human induced pluripotent stem cells by high-throughput imaging		3
30	Modelling asymmetric count ratios in CRISPR screens to decrease experiment size and improve phenotype detection		3
29	Design of RNAi reagents for invertebrate model organisms and human disease vectors. *Methods in Molecular Biology*, **2013**, 942, 315-46	1.4	2
28	Celebrating 100 years of Drosophila research. *EMBO Reports*, **2010**, 11, 724-6	6.5	2
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