Michael Boutros

List of Publications by Year in Descending Order

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	Bacterial recognition by PGRP-SA and downstream signalling by Toll/DIF sustain commensal gut bacteria in Drosophila.. *PLoS Genetics*, **2022**, 18, e1009992	6	1
221	SARS-CoV-2 infection induces a pro-inflammatory cytokine response through cGAS-STING and NF-B.. *Communications Biology*, **2022**, 5, 45	6.7	15
220	Allele-specific endogenous tagging and quantitative analysis of catenin in colorectal cancer cells.. *ELife*, **2022**, 11,	8.9	1
219	Salt-inducible kinase 3 protects tumor cells from cytotoxic T-cell attack by promoting TNF-induced NF-B activation **2022**, 10, e004258		
218	Cloud-Based Design of Short Guide RNA (sgRNA) Libraries for CRISPR Experiments. *Methods in Molecular Biology*, **2021**, 2162, 3-22	1.4	
217	Wnt10b-GSK3dependent Wnt/STOP signaling prevents aneuploidy in human somatic cells. *Life Science Alliance*, **2021**, 4,	5.8	6
216	Analyse von Zellfunktionen mit Hochdurchsatz-Mikroskopie und KI. *BioSpektrum*, **2021**, 27, 607-610	0.1	
215	Systematic functional analysis of rab GTPases reveals limits of neuronal robustness to environmental challenges in flies. *ELife*, **2021**, 10,	8.9	5
214	The Role of Organelles in Intestinal Function, Physiology, and Disease. *Trends in Cell Biology*, **2021**, 31, 485-499	18.3	5
213	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
212	Microenvironmental innate immune signaling and cell mechanical responses promote tumor growth. *Developmental Cell*, **2021**, 56, 1884-1899.e5	10.2	2
211	Extracellular vesicles and oncogenic signaling. *Molecular Oncology*, **2021**, 15, 3-26	7.9	17
210	Multi-omics integration identifies a selective vulnerability of colorectal cancer subtypes to YM155. *International Journal of Cancer*, **2021**, 148, 1948-1963	7.5	4
209	PPARinduces PD-L1 expression in MSS+ colorectal cancer cells. *OncoImmunology*, **2021**, 10, 1906500	7.2	4
208	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
207	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
206	Evolutionary conserved NSL complex/BRD4 axis controls transcription activation via histone acetylation. *Nature Communications*, **2020**, 11, 2243	17.4	5

205	gscreend: modelling asymmetric count ratios in CRISPR screens to decrease experiment size and improve phenotype detection. *Genome Biology*, **2020**, 21, 53	18.3	14
204	Hyd ubiquitinates the NF-B co-factor Akirin to operate an effective immune response in Drosophila. *PLoS Pathogens*, **2020**, 16, e1008458	7.6	7
203	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
202	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
201	Gut Microbiota-Derived Propionate Regulates the Expression of Reg3 Mucosal Lectins and Ameliorates Experimental Colitis in Mice. *Journal of Crohns and Colitis*, **2020**, 14, 1462-1472	1.5	20
200	A large-scale resource for tissue-specific CRISPR mutagenesis in. *ELife*, **2020**, 9,	8.9	53
199	Ageing, metabolism and the intestine. *EMBO Reports*, **2020**, 21, e50047	6.5	29
198	CAMK1D Triggers Immune Resistance of Human Tumor Cells Refractory to Anti-PD-L1 Treatment. *Cancer Immunology Research*, **2020**, 8, 1163-1179	12.5	8
197	Genome-scale CRISPR screening at high sensitivity with an empirically designed sgRNA library. *BMC Biology*, **2020**, 18, 174	7.3	8
196	Cancer-Associated Mutations in Normal Colorectal Mucosa Adjacent to Sporadic Neoplasia. *Clinical and Translational Gastroenterology*, **2020**, 11, e00212	4.2	2
195	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
194	Clinical relevance of gene expression in localized and metastatic prostate cancer exemplified by FABP5. *World Journal of Urology*, **2020**, 38, 637-645	4	8
193	Exocyst-mediated apical Wg secretion activates signaling in the Drosophila wing epithelium. *PLoS Genetics*, **2019**, 15, e1008351	6	10
192	MEK inhibitors activate Wnt signalling and induce stem cell plasticity in colorectal cancer. *Nature Communications*, **2019**, 10, 2197	17.4	77
191	Context-dependent genetic interactions in cancer. *Current Opinion in Genetics and Development*, **2019**, 54, 73-82	4.9	7
190	Gene expression atlas of a developing tissue by single cell expression correlation analysis. *Nature Methods*, **2019**, 16, 750-756	21.6	33
189	Detection of mutational patterns in cell-free DNA of colorectal cancer by custom amplicon sequencing. *Molecular Oncology*, **2019**, 13, 1669-1683	7.9	4
188	miR-10a-5p and miR-29b-3p as Extracellular Vesicle-Associated Prostate Cancer Detection Markers. *Cancers*, **2019**, 12,	6.6	28

187	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
186	CRISPR/Cas9 for cancer research and therapy. *Seminars in Cancer Biology*, **2019**, 55, 106-119	12.7	112
185	Toward an integrated map of genetic interactions in cancer cells. *Molecular Systems Biology*, **2018**, 14, e7656	12.2	46
184	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
183	RNA Interference (RNAi) Screening in. *Genetics*, **2018**, 208, 853-874	4	53
182	The Role of Mitotic Cell-Substrate Adhesion Re-modeling in Animal Cell Division. *Developmental Cell*, **2018**, 45, 132-145.e3	10.2	55
181	Ecatenin-independent regulation of Wnt target genes by RoR2 and ATF2/ATF4 in colon cancer cells. *Scientific Reports*, **2018**, 8, 3178	4.9	26
180	ERAD-dependent control of the Wnt secretory factor Evi. *EMBO Journal*, **2018**, 37,	13	30
179	Systematic characterization of pan-cancer mutation clusters. *Molecular Systems Biology*, **2018**, 14, e7974	12.2	25
178	Clinical and Histopathologic Features of Colorectal Adenocarcinoma in Crohn's Disease. *Journal of Clinical Gastroenterology*, **2018**, 52, 635-640	3	6
177	Angiocrine Wnt signaling controls liver growth and metabolic maturation in mice. *Hepatology*, **2018**, 68, 707-722	11.2	41
176	Loxl2 is dispensable for dermal development, homeostasis and tumour stroma formation. *PLoS ONE*, **2018**, 13, e0199679	3.7	7
175	Time-resolved mapping of genetic interactions to model rewiring of signaling pathways. *ELife*, **2018** , 7,	8.9	16
174	Widespread Rewiring of Genetic Networks upon Cancer Signaling Pathway Activation. *Cell Systems*, **2018**, 6, 52-64.e4	10.6	26
173	WEADE: A workflow for enrichment analysis and data exploration. *PLoS ONE*, **2018**, 13, e0204016	3.7	2
172	Stem Cell Intrinsic Hexosamine Metabolism Regulates Intestinal Adaptation to Nutrient Content. *Developmental Cell*, **2018**, 47, 112-121.e3	10.2	20
171	Decoding the Regulatory Logic of the Drosophila Male Stem Cell System. *Cell Reports*, **2018**, 24, 3072-3086	8.6	7
170	Machine learning and image-based profiling in drug discovery. *Current Opinion in Systems Biology*, **2018**, 10, 43-52	3.2	85

169	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
168	Autocrine Wnt regulates the survival and genomic stability of embryonic stem cells. *Science Signaling*, **2017**, 10,	8.8	13
167	ATF3 acts as a rheostat to control JNK signalling during intestinal regeneration. *Nature Communications*, **2017**, 8, 14289	17.4	25
166	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
165	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
164	HTSvis: a web app for exploratory data analysis and visualization of arrayed high-throughput screens. *Bioinformatics*, **2017**, 33, 2960-2962	7.2	5
163	Oxygenation and adenosine deaminase support growth and proliferation of cultured wing imaginal discs. *Development (Cambridge)*, **2017**, 144, 2529-2538	6.6	8
162	Phenotype databases for genetic screens in human cells. *Journal of Biotechnology*, **2017**, 261, 63-69	3.7	9
161	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
160	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
159	Splicing stimulates siRNA formation at Drosophila DNA double-strand breaks. *PLoS Genetics*, **2017**, 13, e1006861	6	10
158	Mapping of Wnt-Frizzled interactions by multiplex CRISPR targeting of receptor gene families. *FASEB Journal*, **2017**, 31, 4832-4844	0.9	61
157	The cardiac microenvironment uses non-canonical WNT signaling to activate monocytes after myocardial infarction. *EMBO Molecular Medicine*, **2017**, 9, 1279-1293	12	36
156	Neutral sphingomyelinases control extracellular vesicles budding from the plasma membrane. *Journal of Extracellular Vesicles*, **2017**, 6, 1378056	16.4	140
155	GenomeCRISPR - a database for high-throughput CRISPR/Cas9 screens. *Nucleic Acids Research*, **2017** , 45, D679-D686	20.1	45
154	Wnt signaling in cancer. *Oncogene*, **2017**, 36, 1461-1473	9.2	1238
153	Pharmacological Inhibition of Centrosome Clustering by Slingshot-Mediated Cofilin Activation and Actin Cortex Destabilization. *Cancer Research*, **2016**, 76, 6690-6700	10.1	15
152	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

151	Immune cell recruitment in teratomas is impaired by increased Wnt secretion. *Stem Cell Research*, **2016**, 17, 607-615	1.6	16
150	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
149	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
148	CRISPR library designer (CLD): software for multispecies design of single guide RNA libraries. *Genome Biology*, **2016**, 17, 55	18.3	47
147	A genetic interaction map of cell cycle regulators. *Molecular Biology of the Cell*, **2016**, 27, 1397-407	3.5	13
146	Sticking Around: Short-Range Activity of Wnt Ligands. *Developmental Cell*, **2016**, 36, 485-6	10.2	11
145	Endothelial RSPO3 Controls Vascular Stability and Pruning through Non-canonical WNT/Ca(2+)/NFAT Signaling. *Developmental Cell*, **2016**, 36, 79-93	10.2	86
144	caRpools: an R package for exploratory data analysis and documentation of pooled CRISPR/Cas9 screens. *Bioinformatics*, **2016**, 32, 632-4	7.2	46
143	Keap1-Independent Regulation of Nrf2 Activity by Protein Acetylation and a BET Bromodomain Protein. *PLoS Genetics*, **2016**, 12, e1006072	6	21
142	Refining Pathways: A Model Comparison Approach. *PLoS ONE*, **2016**, 11, e0155999	3.7	5
141	eIF4A inactivates TORC1 in response to amino acid starvation. *EMBO Journal*, **2016**, 35, 1058-76	13	15
140	Ataxin-10 is part of a cachexokine cocktail triggering cardiac metabolic dysfunction in cancer cachexia. *Molecular Metabolism*, **2016**, 5, 67-78	8.8	37
139	A Protocol for a High-Throughput Multiplex Cell Viability Assay. *Methods in Molecular Biology*, **2016**, 1470, 75-84	1.4	9
138	Biochemical Methods to Analyze Wnt Protein Secretion. *Methods in Molecular Biology*, **2016**, 1481, 17-28	1.4	6
137	Methods for High-Throughput RNAi Screening in Drosophila Cells. *Methods in Molecular Biology*, **2016**, 1478, 95-116	1.4	6
136	A global genetic interaction network maps a wiring diagram of cellular function. *Science*, **2016**, 353,	33.3	626
135	REPTOR and REPTOR-BP Regulate Organismal Metabolism and Transcription Downstream of TORC1. *Developmental Cell*, **2015**, 33, 272-84	10.2	57
134	Thymic Epithelial Cells Are a Nonredundant Source of Wnt Ligands for Thymus Development. *Journal of Immunology*, **2015**, 195, 5261-71	5.3	13

133	A novel inflammatory pathway mediating rapid hepcidin-independent hypoferremia. *Blood*, **2015**, 125, 2265-75	2.2	114
132	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
131	A chemical-genetic interaction map of small molecules using high-throughput imaging in cancer cells. *Molecular Systems Biology*, **2015**, 11, 846	12.2	51
130	Functional fingerprinting of human mesenchymal stem cells using high-throughput RNAi screening. *Genome Medicine*, **2015**, 7, 46	14.4	3
129	Microscopy-Based High-Content Screening. *Cell*, **2015**, 163, 1314-25	56.2	205
128	Dpp/Gbb signaling is required for normal intestinal regeneration during infection. *Developmental Biology*, **2015**, 399, 189-203	3.1	51
127	Amplicon sequencing of colorectal cancer: variant calling in frozen and formalin-fixed samples. *PLoS ONE*, **2015**, 10, e0127146	3.7	27
126	A map of directional genetic interactions in a metazoan cell. *ELife*, **2015**, 4,	8.9	59
125	E-CRISP: fast CRISPR target site identification. *Nature Methods*, **2014**, 11, 122-3	21.6	526
124	Measuring genetic interactions in human cells by RNAi and imaging. *Nature Protocols*, **2014**, 9, 2341-53	18.8	15
123	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
122	Functional analysis of the Drosophila embryonic germ cell transcriptome by RNA interference. *PLoS ONE*, **2014**, 9, e98579	3.7	6
121	A synthetic lethal screen identifies FAT1 as an antagonist of caspase-8 in extrinsic apoptosis. *EMBO Journal*, **2014**, 33, 181-97	13	32
120	Endothelial cell-derived non-canonical Wnt ligands control vascular pruning in angiogenesis. *Development (Cambridge)*, **2014**, 141, 1757-66	6.6	88
119	Molecular dissection of Wnt3a-Frizzled8 interaction reveals essential and modulatory determinants of Wnt signaling activity. *BMC Biology*, **2014**, 12, 44	7.3	22
118	Endothelial cell-derived non-canonical Wnt ligands control vascular pruning in angiogenesis. *Journal of Cell Science*, **2014**, 127, e1-e1	5.3	
117	Wnk kinases are positive regulators of canonical Wnt/β-catenin signalling. *EMBO Reports*, **2013**, 14, 718-25	8.5	30
116	Wnt secretion is required to maintain high levels of Wnt activity in colon cancer cells. *Nature Communications*, **2013**, 4, 2610	17.4	176

115	Secretion and extracellular space travel of Wnt proteins. *Current Opinion in Genetics and Development*, **2013**, 23, 385-90	4.9	42
114	A novel phenotypic dissimilarity method for image-based high-throughput screens. *BMC Bioinformatics*, **2013**, 14, 336	3.6	13
113	RAB8B is required for activity and caveolar endocytosis of LRP6. *Cell Reports*, **2013**, 4, 1224-34	10.6	45
112	The microtubule affinity regulating kinase MARK4 promotes axoneme extension during early ciliogenesis. *Journal of Cell Biology*, **2013**, 200, 505-22	7.3	53
111	Mapping genetic interactions in human cancer cells with RNAi and multiparametric phenotyping. *Nature Methods*, **2013**, 10, 427-31	21.6	94
110	Design of RNAi reagents for invertebrate model organisms and human disease vectors. *Methods in Molecular Biology*, **2013**, 942, 315-46	1.4	2
109	E-TALEN: a web tool to design TALENs for genome engineering. *Nucleic Acids Research*, **2013**, 41, e190	20.1	52
108	Robust RNAi enhancement via human Argonaute-2 overexpression from plasmids, viral vectors and cell lines. *Nucleic Acids Research*, **2013**, 41, e199	20.1	46
107	Loss of epidermal Evi/Wls results in a phenotype resembling psoriasiform dermatitis. *Journal of Experimental Medicine*, **2013**, 210, 1761-77	16.6	42
106	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
105	GenomeRNAi: a database for cell-based and in vivo RNAi phenotypes, 2013 update. *Nucleic Acids Research*, **2013**, 41, D1021-6	20.1	111
104	Wnk kinases are positive regulators of canonical Wnt/β-catenin signalling. *EMBO Reports*, **2013**, 14, 845-845	8.5	78
103	Loss of epidermal Evi/Wls results in a phenotype resembling psoriasiform dermatitis. *Journal of Cell Biology*, **2013**, 202, 2024OIA67	7.3	
102	The Wnt secretion protein Evi/Gpr177 promotes glioma tumourigenesis. *EMBO Molecular Medicine*, **2012**, 4, 38-51	12	69
101	A PP4 holoenzyme balances physiological and oncogenic nuclear factor-kappa B signaling in T lymphocytes. *Immunity*, **2012**, 37, 697-708	32.3	43
100	Active Wnt proteins are secreted on exosomes. *Nature Cell Biology*, **2012**, 14, 1036-45	23.4	652
99	Screens, maps & networks: from genome sequences to personalized medicine. *Current Opinion in Genetics and Development*, **2012**, 22, 36-44	4.9	14
98	Control of proinflammatory gene programs by regulated trimethylation and demethylation of histone H4K20. *Molecular Cell*, **2012**, 48, 28-38	17.6	155

97	Cell perturbation screens for target identification by RNAi. *Methods in Molecular Biology*, **2012**, 910, 1-13	1.4	7
96	Innate immunity: regulation of caspases by IAP-dependent ubiquitylation. *EMBO Journal*, **2012**, 31, 2750-63	9	11
95	Systematic approaches to dissect biological processes in stem cells by image-based screening. *Biotechnology Journal*, **2012**, 7, 768-78	5.6	10
94	Genetic and Genomic Dissection of Apoptosis Signaling **2012**, 181-197		
93	Identification of human proteins that modify misfolding and proteotoxicity of pathogenic ataxin-1. *PLoS Genetics*, **2012**, 8, e1002897	6	23
92	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
91	On target: a public repository for large-scale RNAi experiments. *Nature Cell Biology*, **2012**, 14, 115	23.4	8
90	Loss of PAFAH1B2 reduces amyloid- generation by promoting the degradation of amyloid precursor protein C-terminal fragments. *Journal of Neuroscience*, **2012**, 32, 18204-14	6.6	18
89	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
88	The head-regeneration transcriptome of the planarian Schmidtea mediterranea. *Genome Biology*, **2011**, 12, R76	18.3	93
87	LGR4 and LGR5 are R-spondin receptors mediating Wnt/ catenin and Wnt/PCP signalling. *EMBO Reports*, **2011**, 12, 1055-61	6.5	402
86	CS16-4. STAT3 transcriptional activity is controlled by regulated acetylation. *Cytokine*, **2011**, 56, 105	4	1
85	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
84	Mapping of signaling networks through synthetic genetic interaction analysis by RNAi. *Nature Methods*, **2011**, 8, 341-6	21.6	150
83	Drosophila Ras/MAPK signalling regulates innate immune responses in immune and intestinal stem cells. *EMBO Journal*, **2011**, 30, 1123-36	13	82
82	Extracting quantitative genetic interaction phenotypes from matrix combinatorial RNAi. *BMC Bioinformatics*, **2011**, 12, 342	3.6	12
81	An RNAi screen identifies USP2 as a factor required for TNF- induced NF- B signaling. *International Journal of Cancer*, **2011**, 129, 607-18	7.5	44
80	Wnt signaling signaling at and above the receptor level. *Current Topics in Developmental Biology*, **2011**, 97, 21-53	5.3	37

79	Transmembrane protein 198 promotes LRP6 phosphorylation and Wnt signaling activation. *Molecular and Cellular Biology*, **2011**, 31, 2577-90	4.8	32
78	p24 proteins are required for secretion of Wnt ligands. *EMBO Reports*, **2011**, 12, 1265-72	6.5	60
77	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
76	A novel multiplex cell viability assay for high-throughput RNAi screening. *PLoS ONE*, **2011**, 6, e28338	3.7	34
75	Polymorphisms in CTNNBL1 in relation to colorectal cancer with evolutionary implications. *International Journal of Molecular Epidemiology and Genetics*, **2011**, 2, 36-50	0.9	2
74	Large-scale RNAi screens to dissect TNF and NF-B signaling pathways. *Advances in Experimental Medicine and Biology*, **2011**, 691, 131-9	3.6	2
73	Proteomic and functional analysis of the mitotic Drosophila centrosome. *EMBO Journal*, **2010**, 29, 3344-57	13	83
72	Celebrating 100 years of Drosophila research. *EMBO Reports*, **2010**, 11, 724-6	6.5	2
71	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
70	Proteins required for centrosome clustering in cancer cells. *Science Translational Medicine*, **2010**, 2, 33ra38	17.5	123
69	EBImage--an R package for image processing with applications to cellular phenotypes. *Bioinformatics*, **2010**, 26, 979-81	7.2	425
68	GenomeRNAi: a database for cell-based RNAi phenotypes. 2009 update. *Nucleic Acids Research*, **2010**, 38, D448-52	20.1	32
67	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
66	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
65	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
64	Trafficking, acidification, and growth factor signaling. *Science Signaling*, **2010**, 3, pe26	8.8	24
63	Requirement of prorenin receptor and vacuolar H+-ATPase-mediated acidification for Wnt signaling. *Science*, **2010**, 327, 459-63	33.3	432
62	Design and evaluation of genome-wide libraries for RNA interference screens. *Genome Biology*, **2010**, 11, R61	18.3	59

61	Clustering phenotype populations by genome-wide RNAi and multiparametric imaging. *Molecular Systems Biology*, **2010**, 6, 370	12.2	119
60	SMAD7 controls iron metabolism as a potent inhibitor of hepcidin expression. *Blood*, **2010**, 115, 2657-65	2.2	99
59	High-throughput RNAi screening to dissect cellular pathways: a how-to guide. *Biotechnology Journal*, **2010**, 5, 368-76	5.6	41
58	web cellHTS2: a web-application for the analysis of high-throughput screening data. *BMC Bioinformatics*, **2010**, 11, 185	3.6	49
57	Wnt/Frizzled signaling requires dPRR, the Drosophila homolog of the prorenin receptor. *Current Biology*, **2010**, 20, 1263-8	6.3	96
56	Genomic mapping of binding regions for the Ecdysone receptor protein complex. *Genome Research*, **2009**, 19, 1006-13	9.7	75
55	Smed-Evi/Wntless is required for beta-catenin-dependent and -independent processes during planarian regeneration. *Development (Cambridge)*, **2009**, 136, 905-10	6.6	139
54	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
53	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
52	Cell cycle control of wnt receptor activation. *Developmental Cell*, **2009**, 17, 788-99	10.2	199
51	Regulation of Wnt protein secretion and its role in gradient formation. *EMBO Reports*, **2008**, 9, 977-82	6.5	87
50	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
49	The art and design of genetic screens: RNA interference. *Nature Reviews Genetics*, **2008**, 9, 554-66	30.1	348
48	Identification of JAK/STAT pathway regulators--insights from RNAi screens. *Seminars in Cell and Developmental Biology*, **2008**, 19, 360-9	7.5	24
47	Identification of SUMO-dependent chromatin-associated transcriptional repression components by a genome-wide RNAi screen. *Molecular Cell*, **2008**, 29, 742-54	17.6	93
46	RNAi screening in cultured Drosophila cells. *Methods in Molecular Biology*, **2008**, 420, 139-53	1.4	17
45	GenomeRNAi: a database for cell-based RNAi phenotypes. *Nucleic Acids Research*, **2007**, 35, D492-7	20.1	37
44	Target-specific requirements for enhancers of decapping in miRNA-mediated gene silencing. *Genes and Development*, **2007**, 21, 2558-70	12.6	230

43	FlyRNAi: the Drosophila RNAi screening center database. *Nucleic Acids Research*, **2006**, 34, D489-94	20.1	72
42	Cellular phenotyping by RNAi. *Briefings in Functional Genomics & Proteomics*, **2006**, 5, 52-6		33
41	Analysis of cell-based RNAi screens. *Genome Biology*, **2006**, 7, R66	18.3	234
40	Secretion of Wnt ligands requires Evi, a conserved transmembrane protein. *Cell*, **2006**, 125, 523-33	56.2	439
39	Minimizing the risk of reporting false positives in large-scale RNAi screens. *Nature Methods*, **2006**, 3, 777-9	21.6	362
38	Preferred analysis methods for Affymetrix GeneChips revealed by a wholly defined control dataset. *Genome Biology*, **2005**, 6, R16	18.3	293
37	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
36	Identification of JAK/STAT signalling components by genome-wide RNA interference. *Nature*, **2005**, 436, 871-5	50.4	244
35	Tools for integrative genomics: Genome-wide RNAi and expression profiling in Drosophila **2005**, 433-446		
34	E-RNAi: a web application to design optimized RNAi constructs. *Nucleic Acids Research*, **2005**, 33, W582-8	20.1	69
33	High-throughput RNA interference screens in Drosophila tissue culture cells. *Methods in Enzymology*, **2005**, 392, 55-73	1.7	59
32	Drosophila Wnt/Fz pathways. *Science Signaling*, **2005**, 2005, cm5	8.8	6
31	Genome-wide RNAi as a route to gene function in Drosophila. *Briefings in Functional Genomics & Proteomics*, **2004**, 3, 168-76		41
30	Managing the genome: microRNAs in Drosophila. *Differentiation*, **2004**, 72, 74-80	3.5	20
29	Genome-wide RNAi analysis of growth and viability in Drosophila cells. *Science*, **2004**, 303, 832-5	33.3	611
28	Signaling role of hemocytes in Drosophila JAK/STAT-dependent response to septic injury. *Developmental Cell*, **2003**, 5, 441-50	10.2	344
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