Michael Boutros

List of Publications by Year
in descending order

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228 papers	23,575 citations	15001 68 h-index	10399 144 g-index
259 all docs	259 docs citations	259 times ranked	37802 citing authors

#	Article	IF	Citations
1	Allele-specific endogenous tagging and quantitative analysis of Î²-catenin in colorectal cancer cells. ELife, 2022, 11, .	2.8	3
2	Bacterial recognition by PGRP-SA and downstream signalling by Toll/DIF sustain commensal gut bacteria in Drosophila. PLoS Genetics, 2022, 18, e1009992.	1.5	7
3	SARS-CoV-2 infection induces a pro-inflammatory cytokine response through cGAS-STING and NF-Î¹B. Communications Biology, 2022, 5, 45.	2.0	133
4	Salt-inducible kinase 3 protects tumor cells from cytotoxic T-cell attack by promoting TNF-induced NF-Î¹B activation. , 2022, 10, e004258.		8
5	The drug-induced phenotypic landscape of colorectal cancer organoids. Nature Communications, 2022, 13, .	5.8	22
6	Extracellular vesicles and oncogenic signaling. Molecular Oncology, 2021, 15, 3-26.	2.1	30
7	Multiâ€omics integration identifies a selective vulnerability of colorectal cancer subtypes to <scp>YM155</scp>. International Journal of Cancer, 2021, 148, 1948-1963.	2.3	11
8	PPARÎ³ induces PD-L1 expression in MSS+ colorectal cancer cells. OncoImmunology, 2021, 10, 1906500.	2.1	15
9	Systematic functional analysis of rab GTPases reveals limits of neuronal robustness to environmental challenges in flies. ELife, 2021, 10, .	2.8	20
10	The Role of Organelles in Intestinal Function, Physiology, and Disease. Trends in Cell Biology, 2021, 31, 485-499.	3.6	12
11	A spatial vascular transcriptomic, proteomic, and phosphoproteomic atlas unveils an angiocrine Tieâ€“Wnt signaling axis in the liver. Developmental Cell, 2021, 56, 1677-1693.e10.	3.1	58
12	Microenvironmental innate immune signaling and cell mechanical responses promote tumor growth. Developmental Cell, 2021, 56, 1884-1899.e5.	3.1	20
13	EVI/WLS function is regulated by ubiquitylation and is linked to ER-associated degradation by ERLIN2. Journal of Cell Science, 2021, 134, .	1.2	13
14	Wnt10b-GSK3Î²â€“dependent Wnt/STOP signaling prevents aneuploidy in human somatic cells. Life Science Alliance, 2021, 4, e202000855.	1.3	14
15	Cloud-Based Design of Short Guide RNA (sgRNA) Libraries for CRISPR Experiments. Methods in Molecular Biology, 2021, 2162, 3-22.	0.4	0
16	Conditional CRISPR-Cas Genome Editing in Drosophila to Generate Intestinal Tumors. Cells, 2021, 10, 3156.	1.8	4
17	Clinical relevance of gene expression in localized and metastatic prostate cancer exemplified by FABP5. World Journal of Urology, 2020, 38, 637-645.	1.2	12
18	miR-10a-5p and miR-29b-3p as Extracellular Vesicle-Associated Prostate Cancer Detection Markers. Cancers, 2020, 12, 43.	1.7	46

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19	Ageing, metabolism and the intestine. EMBO Reports, 2020, 21, e50047.	2.0	92
20	CAMK1D Triggers Immune Resistance of Human Tumor Cells Refractory to Antiâ€“PD-L1 Treatment. Cancer Immunology Research, 2020, 8, 1163-1179.	1.6	17
21	Genome-scale CRISPR screening at high sensitivity with an empirically designed sgRNA library. BMC Biology, 2020, 18, 174.	1.7	24
22	Cancer-Associated Mutations in Normal Colorectal Mucosa Adjacent to Sporadic Neoplasia. Clinical and Translational Gastroenterology, 2020, 11, e00212.	1.3	3
23	Multiplexed conditional genome editing with Cas12a in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22890-22899.	3.3	42
24	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.	1.6	26
25	Evolutionary conserved NSL complex/BRD4 axis controls transcription activation via histone acetylation. Nature Communications, 2020, 11, 2243.	5.8	21
26	gscreend: modelling asymmetric count ratios in CRISPR screens to decrease experiment size and improve phenotype detection. Genome Biology, 2020, 21, 53.	3.8	34
27	Hyd ubiquitinates the NF-ÎºB co-factor Akirin to operate an effective immune response in Drosophila. PLoS Pathogens, 2020, 16, e1008458.	2.1	17
28	Pooled InÂVitro and InÂVivo CRISPR-Cas9 Screening Identifies Tumor Suppressors in Human Colon Organoids. Cell Stem Cell, 2020, 26, 782-792.e7.	5.2	131
29	JNK-dependent intestinal barrier failure disrupts hostâ€“microbe homeostasis during tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9401-9412.	3.3	47
30	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.	0.6	63
31	A large-scale resource for tissue-specific CRISPR mutagenesis in Drosophila. ELife, 2020, 9, .	2.8	115
32	Gene expression atlas of a developing tissue by single cell expression correlation analysis. Nature Methods, 2019, 16, 750-756.	9.0	58
33	Editorial overview: Functionalizing cancer genomes in the era of big data. Current Opinion in Genetics and Development, 2019, 54, iii-vi.	1.5	1
34	Detection of mutational patterns in cellâ€free DNA of colorectal cancer by custom amplicon sequencing. Molecular Oncology, 2019, 13, 1669-1683.	2.1	8
35	Exocyst-mediated apical Wg secretion activates signaling in the Drosophila wing epithelium. PLoS Genetics, 2019, 15, e1008351.	1.5	13
36	MEK inhibitors activate Wnt signalling and induce stem cell plasticity in colorectal cancer. Nature Communications, 2019, 10, 2197.	5.8	126

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37	Context-dependent genetic interactions in cancer. Current Opinion in Genetics and Development, 2019, 54, 73-82.	1.5	16
38	Robust Wnt signaling is maintained by a Wg protein gradient and Fz2 receptor activity in the developing Drosophila wing. Development (Cambridge), 2019, 146, .	1.2	51
39	CRISPR/Cas9 for cancer research and therapy. Seminars in Cancer Biology, 2019, 55, 106-119.	4.3	206
40	Toward an integrated map of genetic interactions in cancer cells. Molecular Systems Biology, 2018, 14, e7656.	3.2	64
41	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.	5.0	22
42	RNA Interference (RNAi) Screening inDrosophila. Genetics, 2018, 208, 853-874.	1.2	90
43	The Role of Mitotic Cell-Substrate Adhesion Re-modeling in Animal Cell Division. Developmental Cell, 2018, 45, 132-145.e3.	3.1	111
44	Î²-catenin-independent regulation of Wnt target genes by RoR2 and ATF2/ATF4 in colon cancer cells. Scientific Reports, 2018, 8, 3178.	1.6	45
45	ERADâ€dependent control of the Wnt secretory factor Evi. EMBO Journal, 2018, 37, .	3.5	42
46	Systematic characterization of panâ€cancer mutation clusters. Molecular Systems Biology, 2018, 14, e7974.	3.2	39
47	Clinical and Histopathologic Features of Colorectal Adenocarcinoma in Crohnâ€™s Disease. Journal of Clinical Gastroenterology, 2018, 52, 635-640.	1.1	9
48	Angiocrine Wnt signaling controls liver growth and metabolic maturation in mice. Hepatology, 2018, 68, 707-722.	3.6	73
49	Widespread Rewiring of Genetic Networks upon Cancer Signaling Pathway Activation. Cell Systems, 2018, 6, 52-64.e4.	2.9	33
50	WEADE: A workflow for enrichment analysis and data exploration. PLoS ONE, 2018, 13, e0204016.	1.1	3
51	Stem Cell Intrinsic Hexosamine Metabolism Regulates Intestinal Adaptation to Nutrient Content. Developmental Cell, 2018, 47, 112-121.e3.	3.1	34
52	Decoding the Regulatory Logic of the Drosophila Male Stem Cell System. Cell Reports, 2018, 24, 3072-3086.	2.9	12
53	Machine learning and image-based profiling in drug discovery. Current Opinion in Systems Biology, 2018, 10, 43-52.	1.3	128
54	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.	3.6	110

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55	Loxl2 is dispensable for dermal development, homeostasis and tumour stroma formation. PLoS ONE, 2018, 13, e0199679.	1.1	10
56	Time-resolved mapping of genetic interactions to model rewiring of signaling pathways. ELife, 2018, 7, .	2.8	21
57	Autocrine Wnt regulates the survival and genomic stability of embryonic stem cells. Science Signaling, 2017, 10, .	1.6	21
58	The State of Systems Genetics in 2017. Cell Systems, 2017, 4, 7-15.	2.9	29
59	ATF3 acts as a rheostat to control JNK signalling during intestinal regeneration. Nature Communications, 2017, 8, 14289.	5.8	46
60	Database-augmented Mass Spectrometry Analysis of Exosomes Identifies Claudin 3 as a Putative Prostate Cancer Biomarker. Molecular and Cellular Proteomics, 2017, 16, 998-1008.	2.5	58
61	The lncRNA VELUCT strongly regulates viability of lung cancer cells despite its extremely low abundance. Nucleic Acids Research, 2017, 45, 5458-5469.	6.5	84
62	HTSvis: a web app for exploratory data analysis and visualization of arrayed high-throughput screens. Bioinformatics, 2017, 33, 2960-2962.	1.8	5
63	Oxygenation and adenosine deaminase support growth and proliferation of ex vivo cultured Drosophila wing imaginal discs. Development (Cambridge), 2017, 144, 2529-2538.	1.2	14
64	Phenotype databases for genetic screens in human cells. Journal of Biotechnology, 2017, 261, 63-69.	1.9	10
65	The long non-coding RNA LINC00152 is essential for cell cycle progression through mitosis in HeLa cells. Scientific Reports, 2017, 7, 2265.	1.6	51
66	An RNAi Screen Reveals an Essential Role for HIPK4 in Human Skin Epithelial Differentiation from iPSCs. Stem Cell Reports, 2017, 9, 1234-1245.	2.3	8
67	Mapping of Wntâ€Frizzled interactions by multiplex CRISPR targeting of receptor gene families. FASEB Journal, 2017, 31, 4832-4844.	0.2	92
68	The cardiac microenvironment uses nonâ€canonical <scp>WNT</scp> signaling to activate monocytes after myocardial infarction. EMBO Molecular Medicine, 2017, 9, 1279-1293.	3.3	55
69	Neutral sphingomyelinases control extracellular vesicles budding from the plasma membrane. Journal of Extracellular Vesicles, 2017, 6, 1378056.	5.5	237
70	Systematic epistatic mapping of cellular processes. Cell Division, 2017, 12, 2.	1.1	4
71	GenomeCRISPR - a database for high-throughput CRISPR/Cas9 screens. Nucleic Acids Research, 2017, 45, D679-D686.	6.5	65
72	Wnt signaling in cancer. Oncogene, 2017, 36, 1461-1473.	2.6	1,975

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73	Splicing stimulates siRNA formation at Drosophila DNA double-strand breaks. PLoS Genetics, 2017, 13, e1006861.	1.5	15
74	Abstract 5766: High-content microscopy-based screening of colorectal organoids. , 2017, , .		0
75	Abstract A10: CRISPR-AnalyzeR (caR): Web-based, interactive and exploratory analysis and documentation of pooled CRISPR/Cas9 screens. , 2017, , .		0
76	Abstract B16: Epistatic mapping of signaling and chromatin regulators. , 2017, , .		0
77	Abstract B06: HTSvis: An user-friendly application for analysis of arrayed high-throughput experiments by interactive data representations. , 2017, , .		0
78	Abstract IA12: Widespread rewiring of genetic interaction networks upon cancer pathway activation. , 2017, , .		0
79	Abstract A23: Multi-parametric genetic interactions map dynamic genetic network rewiring upon anti-proliferative treatment. , 2017, , .		0
80	<scp>eIF</scp>4A inactivates <scp>TORC</scp>1 in response to amino acidÂstarvation. EMBO Journal, 2016, 35, 1058-1076.	3.5	26
81	Ataxin-10 is part of a cachexokine cocktail triggering cardiac metabolic dysfunction in cancer cachexia. Molecular Metabolism, 2016, 5, 67-78.	3.0	51
82	A Protocol for a High-Throughput Multiplex Cell Viability Assay. Methods in Molecular Biology, 2016, 1470, 75-84.	0.4	13
83	Biochemical Methods to Analyze Wnt Protein Secretion. Methods in Molecular Biology, 2016, 1481, 17-28.	0.4	8
84	Methods for High-Throughput RNAi Screening in Drosophila Cells. Methods in Molecular Biology, 2016, 1478, 95-116.	0.4	8
85	A global genetic interaction network maps a wiring diagram of cellular function. Science, 2016, 353, .	6.0	979
86	Pharmacological Inhibition of Centrosome Clustering by Slingshot-Mediated Cofilin Activation and Actin Cortex Destabilization. Cancer Research, 2016, 76, 6690-6700.	0.4	24
87	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.	1.6	33
88	Immune cell recruitment in teratomas is impaired by increased Wnt secretion. Stem Cell Research, 2016, 17, 607-615.	0.3	32
89	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.	3.3	67
90	Towards a compendium of essential genes â€“ From model organisms to synthetic lethality in cancer cells. Critical Reviews in Biochemistry and Molecular Biology, 2016, 51, 74-85.	2.3	42

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91	CRISPR library designer (CLD): software for multispecies design of single guide RNA libraries. Genome Biology, 2016, 17, 55.	3.8	68
92	A genetic interaction map of cell cycle regulators. Molecular Biology of the Cell, 2016, 27, 1397-1407.	0.9	22
93	Sticking Around: Short-Range Activity of Wnt Ligands. Developmental Cell, 2016, 36, 485-486.	3.1	13
94	Endothelial RSPO3 Controls Vascular Stability and Pruning through Non-canonical WNT/Ca 2+ /NFAT Signaling. Developmental Cell, 2016, 36, 79-93.	3.1	133
95	caRpools: an R package for exploratory data analysis and documentation of pooled CRISPR/Cas9 screens. Bioinformatics, 2016, 32, 632-634.	1.8	54
96	Keap1-Independent Regulation of Nrf2 Activity by Protein Acetylation and a BET Bromodomain Protein. PLoS Genetics, 2016, 12, e1006072.	1.5	26
97	Refining Pathways: A Model Comparison Approach. PLoS ONE, 2016, 11, e0155999.	1.1	5
98	Abstract A070: Genetic knockdown screens across tumor types unravel a diverse tumor â€œimmune-modulatomeâ€•landscape. , 2016, , .		0
99	Abstract 2339: RNAi discovery platform to identify novel genes that prevent immune surveillance in pancreatic ductal adenocarcinoma (PDAC). , 2016, , .		0
100	A novel inflammatory pathway mediating rapid hepcidin-independent hypoferremia. Blood, 2015, 125, 2265-2275.	0.6	144
101	A highâ€throughput <scp>RNA</scp> i screen for detection of immuneâ€checkpoint molecules that mediate tumor resistance to cytotoxic T lymphocytes. EMBO Molecular Medicine, 2015, 7, 450-463.	3.3	39
102	A chemicalâ€“genetic interaction map of small molecules using highâ€throughput imaging in cancer cells. Molecular Systems Biology, 2015, 11, 846.	3.2	79
103	Functional fingerprinting of human mesenchymal stem cells using high-throughput RNAi screening. Genome Medicine, 2015, 7, 46.	3.6	4
104	Microscopy-Based High-Content Screening. Cell, 2015, 163, 1314-1325.	13.5	312
105	Dpp/Gbb signaling is required for normal intestinal regeneration during infection. Developmental Biology, 2015, 399, 189-203.	0.9	65
106	REPTOR and REPTOR-BP Regulate Organismal Metabolism and Transcription Downstream of TORC1. Developmental Cell, 2015, 33, 272-284.	3.1	86
107	Thymic Epithelial Cells Are a Nonredundant Source of Wnt Ligands for Thymus Development. Journal of Immunology, 2015, 195, 5261-5271.	0.4	19
108	Amplicon Sequencing of Colorectal Cancer: Variant Calling in Frozen and Formalin-Fixed Samples. PLoS ONE, 2015, 10, e0127146.	1.1	34

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109	A map of directional genetic interactions in a metazoan cell. ELife, 2015, 4, .	2.8	78
110	Functional Analysis of the Drosophila Embryonic Germ Cell Transcriptome by RNA Interference. PLoS ONE, 2014, 9, e98579.	1.1	9
111	A synthetic lethal screen identifies FAT1 as an antagonist of caspase-8 in extrinsic apoptosis. EMBO Journal, 2014, 33, n/a-n/a.	3.5	37
112	Endothelial cell-derived non-canonical Wnt ligands control vascular pruning in angiogenesis. Development (Cambridge), 2014, 141, 1757-1766.	1.2	111
113	Molecular dissection of Wnt3a-Frizzled8 interaction reveals essential and modulatory determinants of Wnt signaling activity. BMC Biology, 2014, 12, 44.	1.7	24
114	E-CRISP: fast CRISPR target site identification. Nature Methods, 2014, 11, 122-123.	9.0	719
115	Measuring genetic interactions in human cells by RNAi and imaging. Nature Protocols, 2014, 9, 2341-2353.	5.5	16
116	Unbiased RNAi screen for hepcidin regulators links hepcidin suppression to proliferative Ras/RAF and nutrient-dependent mTOR signaling. Blood, 2014, 123, 1574-1585.	0.6	62
117	Endothelial cell-derived non-canonical Wnt ligands control vascular pruning in angiogenesis. Journal of Cell Science, 2014, 127, e1-e1.	1.2	0
118	Wnk kinases are positive regulators of canonical Wnt/Î²â€catenin signalling. EMBO Reports, 2013, 14, 718-725.	2.0	35
119	Wnt secretion is required to maintain high levels of Wnt activity in colon cancer cells. Nature Communications, 2013, 4, 2610.	5.8	213
120	Secretion and extracellular space travel of Wnt proteins. Current Opinion in Genetics and Development, 2013, 23, 385-390.	1.5	48
121	A novel phenotypic dissimilarity method for image-based high-throughput screens. BMC Bioinformatics, 2013, 14, 336.	1.2	15
122	RAB8B Is Required for Activity and Caveolar Endocytosis of LRP6. Cell Reports, 2013, 4, 1224-1234.	2.9	65
123	The microtubule affinity regulating kinase MARK4 promotes axoneme extension during early ciliogenesis. Journal of Cell Biology, 2013, 200, 505-522.	2.3	71
124	Mapping genetic interactions in human cancer cells with RNAi and multiparametric phenotyping. Nature Methods, 2013, 10, 427-431.	9.0	122
125	Design of RNAi Reagents for Invertebrate Model Organisms and Human Disease Vectors. Methods in Molecular Biology, 2013, 942, 315-346.	0.4	4
126	E-TALEN: a web tool to design TALENs for genome engineering. Nucleic Acids Research, 2013, 41, e190-e190.	6.5	60

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127	Robust RNAi enhancement via human Argonaute-2 overexpression from plasmids, viral vectors and cell lines. Nucleic Acids Research, 2013, 41, e199-e199.	6.5	53
128	Loss of epidermal Evi/Wls results in a phenotype resembling psoriasiform dermatitis. Journal of Experimental Medicine, 2013, 210, 1761-1777.	4.2	50
129	Landscape of proteinâ€“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, 10717-10722.	3.3	37
130	GenomeRNAi: a database for cell-based and in vivo RNAi phenotypes, 2013 update. Nucleic Acids Research, 2013, 41, D1021-D1026.	6.5	135
131	Wnk kinases are positive regulators of canonical Wnt/Î²â€catenin signalling. EMBO Reports, 2013, 14, 845-845.	2.0	2
132	Loss of epidermal Evi/Wls results in a phenotype resembling psoriasiform dermatitis. Journal of Cell Biology, 2013, 202, 2024OIA67.	2.3	0
133	Genetic and Genomic Dissection of Apoptosis Signaling. , 2012, , 181-197.		0
134	Identification of Human Proteins That Modify Misfolding and Proteotoxicity of Pathogenic Ataxin-1. PLoS Genetics, 2012, 8, e1002897.	1.5	29
135	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, 3372-3381.	1.1	36
136	On target: A public repository for large-scale RNAi experiments. Nature Cell Biology, 2012, 14, 115-115.	4.6	9
137	Loss of PAFAH1B2 Reduces Amyloid-Î² Generation by Promoting the Degradation of Amyloid Precursor Protein C-Terminal Fragments. Journal of Neuroscience, 2012, 32, 18204-18214.	1.7	23
138	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, 12058-12063.	3.3	74
139	A PP4 Holoenzyme Balances Physiological and Oncogenic Nuclear Factor-Kappa B Signaling in T Lymphocytes. Immunity, 2012, 37, 697-708.	6.6	53
140	Active Wnt proteins are secreted on exosomes. Nature Cell Biology, 2012, 14, 1036-1045.	4.6	809
141	Screens, maps & networks: from genome sequences to personalized medicine. Current Opinion in Genetics and Development, 2012, 22, 36-44.	1.5	15
142	Control of Proinflammatory Gene Programs by Regulated Trimethylation and Demethylation of Histone H4K20. Molecular Cell, 2012, 48, 28-38.	4.5	193
143	Cell Perturbation Screens for Target Identification by RNAi. Methods in Molecular Biology, 2012, 910, 1-13.	0.4	7
144	Innate immunity: regulation of caspases by IAP-dependent ubiquitylation. EMBO Journal, 2012, 31, 2750-2752.	3.5	12

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145	Systematic approaches to dissect biological processes in stem cells by imageâ€based screening. Biotechnology Journal, 2012, 7, 768-778.	1.8	12
146	The Wnt secretion protein Evi/Gpr177 promotes glioma tumourigenesis. EMBO Molecular Medicine, 2012, 4, 38-51.	3.3	81
147	The head-regeneration transcriptome of the planarian Schmidtea mediterranea. Genome Biology, 2011, 12, R76.	13.9	109
148	LGR4 and LGR5 are Râ€spondin receptors mediating Wnt/Î²â€catenin and Wnt/PCP signalling. EMBO Reports, 2011, 12, 1055-1061.	2.0	497
149	CS16-4. STAT3 transcriptional activity is controlled by regulated acetylation. Cytokine, 2011, 56, 105.	1.4	1
150	Design of RNAi reagents for invertebrate model organisms and human disease vectors. Nature Precedings, 2011, , .	0.1	0
151	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.	1.1	34
152	Mapping of signaling networks through synthetic genetic interaction analysis by RNAi. Nature Methods, 2011, 8, 341-346.	9.0	173
153	DrosophilaRas/MAPK signalling regulates innate immune responses in immune and intestinal stem cells. EMBO Journal, 2011, 30, 1123-1136.	3.5	109
154	Extracting quantitative genetic interaction phenotypes from matrix combinatorial RNAi. BMC Bioinformatics, 2011, 12, 342.	1.2	14
155	An RNAi screen identifies USP2 as a factor required for TNFâ€Î±â€induced NFâ€ºB signaling. International Journal of Cancer, 2011, 129, 607-618.	2.3	49
156	Wnt Signaling. Current Topics in Developmental Biology, 2011, 97, 21-53.	1.0	47
157	Transmembrane Protein 198 Promotes LRP6 Phosphorylation and Wnt Signaling Activation. Molecular and Cellular Biology, 2011, 31, 2577-2590.	1.1	37
158	p24 proteins are required for secretion of Wnt ligands. EMBO Reports, 2011, 12, 1265-1272.	2.0	81
159	ERK7 is a negative regulator of protein secretion in response to amino-acid starvation by modulating Sec16 membrane association. EMBO Journal, 2011, 30, 3684-3700.	3.5	100
160	Large-Scale RNAi Screens to Dissect TNF and NF-ÎºB Signaling Pathways. Advances in Experimental Medicine and Biology, 2011, 691, 131-139.	0.8	2
161	A Novel Multiplex Cell Viability Assay for High-Throughput RNAi Screening. PLoS ONE, 2011, 6, e28338.	1.1	39
162	Polymorphisms in CTNNBL1 in relation to colorectal cancer with evolutionary implications. International Journal of Molecular Epidemiology and Genetics, 2011, 2, 36-50.	0.4	2

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163	Clustering phenotype populations by genomeâ€wide RNAi and multiparametric imaging. Molecular Systems Biology, 2010, 6, 370.	3.2	141
164	SMAD7 controls iron metabolism as a potent inhibitor of hepcidin expression. Blood, 2010, 115, 2657-2665.	0.6	112
165	Highâ€throughput RNAi screening to dissect cellular pathways: A howâ€to guide. Biotechnology Journal, 2010, 5, 368-376.	1.8	45
166	web cellHTS2: A web-application for the analysis of high-throughput screening data. BMC Bioinformatics, 2010, 11, 185.	1.2	58
167	Wnt/Frizzled Signaling Requires dPRR, the Drosophila Homolog of the Prorenin Receptor. Current Biology, 2010, 20, 1263-1268.	1.8	115
168	Proteomic and functional analysis of the mitotic Drosophila centrosome. EMBO Journal, 2010, 29, 3344-3357.	3.5	97
169	Celebrating 100 years of Drosophila research. EMBO Reports, 2010, 11, 724-726.	2.0	2
170	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, 2837-2848.	1.1	34
171	Proteins Required for Centrosome Clustering in Cancer Cells. Science Translational Medicine, 2010, 2, 33ra38.	5.8	152
172	EBImageâ€”an R package for image processing with applications to cellular phenotypes. Bioinformatics, 2010, 26, 979-981.	1.8	616
173	GenomeRNAi: a database for cell-based RNAi phenotypes. 2009 update. Nucleic Acids Research, 2010, 38, D448-D452.	6.5	37
174	E-RNAi: a web application for the multi-species design of RNAi reagentsâ€”2010 update. Nucleic Acids Research, 2010, 38, W332-W339.	6.5	136
175	A Large-Scale RNAi Screen Identifies <i>Deaf1 </i>as a Regulator of Innate Immune Responses in <i>Drosophila</i>. Journal of Innate Immunity, 2010, 2, 181-194.	1.8	39
176	A Combined Ex Vivo and In Vivo RNAi Screen for Notch Regulators in Drosophila Reveals an Extensive Notch Interaction Network. Developmental Cell, 2010, 18, 862-876.	3.1	139
177	Trafficking, Acidification, and Growth Factor Signaling. Science Signaling, 2010, 3, pe26.	1.6	25
178	Requirement of Prorenin Receptor and Vacuolar H ⁺ -ATPaseâ€“Mediated Acidification for Wnt Signaling. Science, 2010, 327, 459-463.	6.0	514
179	Design and evaluation of genome-wide libraries for RNA interference screens. Genome Biology, 2010, 11, R61.	13.9	69
180	Genomic mapping of binding regions for the Ecdysone receptor protein complex. Genome Research, 2009, 19, 1006-1013.	2.4	90

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181	Smed-Evi/Wntless is required for Î²-catenin-dependent and-independent processes during planarian regeneration. Development (Cambridge), 2009, 136, 905-910.	1.2	164
182	Gene knockdown studies revealed CCDC50 as a candidate gene in mantle cell lymphoma and chronic lymphocytic leukemia. Leukemia, 2009, 23, 2018-2026.	3.3	40
183	Electrochemical cues regulate assembly of the Frizzled/Dishevelled complex at the plasma membrane during planar epithelial polarization. Nature Cell Biology, 2009, 11, 286-294.	4.6	160
184	Cell Cycle Control of Wnt Receptor Activation. Developmental Cell, 2009, 17, 788-799.	3.1	238
185	Regulation of Wnt protein secretion and its role in gradient formation. EMBO Reports, 2008, 9, 977-982.	2.0	94
186	Akirins are highly conserved nuclear proteins required for NF-ÎºB-dependent gene expression in drosophila and mice. Nature Immunology, 2008, 9, 97-104.	7.0	223
187	The art and design of genetic screens: RNA interference. Nature Reviews Genetics, 2008, 9, 554-566.	7.7	413
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