Michael Hallett

List of Publications by Year
in descending order

97 papers	**9,369** citations	53794 **45** h-index	39675 **94** g-index
102 all docs	**102** docs citations	**102** times ranked	**15399** citing authors

#	ARTICLE	IF	CITATIONS
1	Stromal gene expression predicts clinical outcome in breast cancer. Nature Medicine, 2008, 14, 518-527.	30.7	1,497
2	Pten in stromal fibroblasts suppresses mammary epithelial tumours. Nature, 2009, 461, 1084-1091.	27.8	475
3	Global Survey of Organ and Organelle Protein Expression in Mouse: Combined Proteomic and Transcriptomic Profiling. Cell, 2006, 125, 173-186.	28.9	429
4	Disruption of histone methylation in developing sperm impairs offspring health transgenerationally. Science, 2015, 350, aab2006.	12.6	426
5	Quantitative Proteomics Analysis of the Secretory Pathway. Cell, 2006, 127, 1265-1281.	28.9	425
6	Broad Epigenetic Signature of Maternal Care in the Brain of Adult Rats. PLoS ONE, 2011, 6, e14739.	2.5	406
7	Associations with early-life socio-economic position in adult DNA methylation. International Journal of Epidemiology, 2012, 41, 62-74.	1.9	380
8	The Signature of Maternal Rearing in the Methylome in Rhesus Macaque Prefrontal Cortex and T Cells. Journal of Neuroscience, 2012, 32, 15626-15642.	3.6	340
9	Spatially distinct tumor immune microenvironments stratify triple-negative breast cancers. Journal of Clinical Investigation, 2019, 129, 1785-1800.	8.2	266
10	Tools for visually exploring biological networks. Bioinformatics, 2007, 23, 2651-2659.	4.1	220
11	Met induces mammary tumors with diverse histologies and is associated with poor outcome and human basal breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12903-12908.	7.1	188
12	Definition of the Landscape of Promoter DNA Hypomethylation in Liver Cancer. Cancer Research, 2011, 71, 5891-5903.	0.9	187
13	Glycoprotein Nonmetastatic B Is an Independent Prognostic Indicator of Recurrence and a Novel Therapeutic Target in Breast Cancer. Clinical Cancer Research, 2010, 16, 2147-2156.	7.0	172
14	Simultaneous Identification of Duplications and Lateral Gene Transfers. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 517-535.	3.0	155
15	ADAM10 Releases a Soluble Form of the GPNMB/Osteoactivin Extracellular Domain with Angiogenic Properties. PLoS ONE, 2010, 5, e12093.	2.5	149
16	Osteoactivin Promotes Breast Cancer Metastasis to Bone. Molecular Cancer Research, 2007, 5, 1001-1014.	3.4	146
17	Genome-Wide Identification of Direct Target Genes Implicates Estrogen-Related Receptor Î± as a Determinant of Breast Cancer Heterogeneity. Cancer Research, 2009, 69, 6149-6157.	0.9	146
18	Role of DNA Methylation in the Nucleus Accumbens in Incubation of Cocaine Craving. Journal of Neuroscience, 2015, 35, 8042-8058.	3.6	137

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19	Claudin-2 is selectively enriched in and promotes the formation of breast cancer liver metastases through engagement of integrin complexes. Oncogene, 2011, 30, 1318-1328.	5.9	130
20	Gene expression signatures of morphologically normal breast tissue identify basal-like tumors. Breast Cancer Research, 2006, 8, R58.	5.0	122
21	Posttranscriptional Regulation of *PER1* Underlies the Oncogenic Function of IREÎ±. Cancer Research, 2013, 73, 4732-4743.	0.9	115
22	Molecular diversity in ductal carcinoma *in situ* (DCIS) and early invasive breast cancer. Molecular Oncology, 2010, 4, 357-368.	4.6	107
23	Maternal depression is associated with DNA methylation changes in cord blood T lymphocytes and adult hippocampi. Translational Psychiatry, 2015, 5, e545-e545.	4.8	106
24	Identification of a Stat3-Dependent Transcription Regulatory Network Involved in Metastatic Progression. Cancer Research, 2009, 69, 6823-6830.	0.9	96
25	Predicting Subcellular Localization via Protein Motif Co-Occurrence. Genome Research, 2004, 14, 1957-1966.	5.5	92
26	Refining Protein Subcellular Localization. PLoS Computational Biology, 2005, 1, e66.	3.2	90
27	STAT3 Establishes an Immunosuppressive Microenvironment during the Early Stages of Breast Carcinogenesis to Promote Tumor Growth and Metastasis. Cancer Research, 2016, 76, 1416-1428.	0.9	87
28	Genome-Wide Study of Hypomethylated and Induced Genes in Patients with Liver Cancer Unravels Novel Anticancer Targets. Clinical Cancer Research, 2014, 20, 3118-3132.	7.0	85
29	Molecular Features of Subtype-Specific Progression from Ductal Carcinoma In Situ to Invasive Breast Cancer. Cell Reports, 2016, 16, 1166-1179.	6.4	85
30	Glucocorticoid Programming of the Fetal Male Hippocampal Epigenome. Endocrinology, 2013, 154, 1168-1180.	2.8	83
31	DNA Methylation Signature of Childhood Chronic Physical Aggression in T Cells of Both Men and Women. PLoS ONE, 2014, 9, e86822.	2.5	81
32	Association of Childhood Chronic Physical Aggression with a DNA Methylation Signature in Adult Human T Cells. PLoS ONE, 2014, 9, e89839.	2.5	76
33	Chemogenomic profiling predicts antifungal synergies. Molecular Systems Biology, 2009, 5, 338.	7.2	71
34	PTEN Deficiency in a Luminal ErbB-2 Mouse Model Results in Dramatic Acceleration of Mammary Tumorigenesis and Metastasis. Journal of Biological Chemistry, 2009, 284, 19018-19026.	3.4	66
35	Î²-Catenin Signaling Is a Critical Event in ErbB2-Mediated Mammary Tumor Progression. Cancer Research, 2013, 73, 4474-4487.	0.9	65
36	The Prognostic Ease and Difficulty of Invasive Breast Carcinoma. Cell Reports, 2014, 9, 129-142.	6.4	64

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37	Effects of Antenatal Synthetic Glucocorticoid on Glucocorticoid Receptor Binding, DNA Methylation, and Genome-Wide mRNA Levels in the Fetal Male Hippocampus. Endocrinology, 2013, 154, 4170-4181.	2.8	62
38	Identifying Regulatory Subnetworks for a Set of Genes. Molecular and Cellular Proteomics, 2005, 4, 683-692.	3.8	61
39	Met synergizes with p53 loss to induce mammary tumors that possess features of claudin-low breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1301-E1310.	7.1	61
40	Differential DNA Methylation Regions in Cytokine and Transcription Factor Genomic Loci Associate with Childhood Physical Aggression. PLoS ONE, 2013, 8, e71691.	2.5	60
41	Towards a Theory of Mathematical Research Programmes (I). British Journal for the Philosophy of Science, 1979, 30, 1-25.	2.3	59
42	Inferring models of gene expression dynamics. Journal of Theoretical Biology, 2004, 230, 289-299.	1.7	55
43	The ErbB2Î"Ex16 splice variant is a major oncogenic driver in breast cancer that promotes a pro-metastatic tumor microenvironment. Oncogene, 2016, 35, 6053-6064.	5.9	54
44	Chordin-Like 1 Suppresses Bone Morphogenetic Protein 4-Induced Breast Cancer Cell Migration and Invasion. Molecular and Cellular Biology, 2016, 36, 1509-1525.	2.3	53
45	Reverse Genetics in Candida albicans Predicts ARF Cycling Is Essential for Drug Resistance and Virulence. PLoS Pathogens, 2010, 6, e1000753.	4.7	51
46	Phosphatase and Tensin Homologue Deleted on Chromosome 10 Deficiency Accelerates Tumor Induction in a Mouse Model of ErbB-2 Mammary Tumorigenesis. Cancer Research, 2008, 68, 2122-2131.	0.9	45
47	Intracellular Eukaryotic Parasites Have a Distinct Unfolded Protein Response. PLoS ONE, 2011, 6, e19118.	2.5	45
48	Analogs & duals of the MAST problem for sequences & trees. Journal of Algorithms, 2003, 49, 192-216.	0.9	44
49	Cut homeobox 1 causes chromosomal instability by promoting bipolar division after cytokinesis failure. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1949-1954.	7.1	43
50	DNA demethylation induced by the methyl-CpG-binding domain protein MBD3. Gene, 2008, 420, 99-106.	2.2	41
51	Autocrine Activation of the Wnt/Î²-Catenin Pathway by CUX1 and GLIS1 in Breast Cancers. Biology Open, 2014, 3, 937-946.	1.2	41
52	Murine candidate bleomycin induced pulmonary fibrosis susceptibility genes identified by gene expression and sequence analysis of linkage regions. Journal of Medical Genetics, 2005, 42, 464-473.	3.2	40
53	ABCC5 supports osteoclast formation and promotes breast cancer metastasis to bone. Breast Cancer Research, 2012, 14, R149.	5.0	40
54	Dynamic Reprogramming of Signaling Upon Met Inhibition Reveals a Mechanism of Drug Resistance in Gastric Cancer. Science Signaling, 2014, 7, ra38.	3.6	40

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55	Stromal retinoic acid receptor Î² promotes mammary gland tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 774-779.	7.1	35
56	Ets2 in Tumor Fibroblasts Promotes Angiogenesis in Breast Cancer. PLoS ONE, 2013, 8, e71533.	2.5	33
57	Transcription onset of genes critical in liver carcinogenesis is epigenetically regulated by methylated DNA-binding protein MBD2. Carcinogenesis, 2013, 34, 2738-2749.	2.8	32
58	Rab11-FIP1C Is a Critical Negative Regulator in ErbB2-Mediated Mammary Tumor Progression. Cancer Research, 2016, 76, 2662-2674.	0.9	31
59	A Fixed-Parameter Approach to 2-Layer Planarization. Algorithmica, 2006, 45, 159-182.	1.3	30
60	The Complex Subtype-Dependent Role of Connexin 43 (GJA1) in Breast Cancer. International Journal of Molecular Sciences, 2018, 19, 693.	4.1	30
61	Strain-dependent pulmonary gene expression profiles of a cystic fibrosis mouse model. Physiological Genomics, 2006, 25, 336-345.	2.3	28
62	Towards a Theory of Mathematical Research Programmes (II). British Journal for the Philosophy of Science, 1979, 30, 135-159.	2.3	25
63	Receptor Tyrosine Kinase Signaling Favors a Protumorigenic State in Breast Cancer Cells by Inhibiting the Adaptive Immune Response. Cancer Research, 2010, 70, 7776-7787.	0.9	25
64	Discovery of Stromal Regulatory Networks that Suppress Ras-Sensitized Epithelial Cell Proliferation. Developmental Cell, 2017, 41, 392-407.e6.	7.0	25
65	Identification of Interacting Stromal Axes in Triple-Negative Breast Cancer. Cancer Research, 2017, 77, 4673-4683.	0.9	25
66	Reflections on the Purity of Method in Hilbert's Grundlagen der Geometrie. , 2008, , 198-255.		25
67	Distinct ErbB-2â€"Coupled Signaling Pathways Promote Mammary Tumors with Unique Pathologic and Transcriptional Profiles. Cancer Research, 2007, 67, 7579-7588.	0.9	23
68	CrkII Transgene Induces Atypical Mammary Gland Development and Tumorigenesis. American Journal of Pathology, 2010, 176, 446-460.	3.8	23
69	Naive CD4 T-cell activation identifies MS patients having rapid transition to progressive MS. Neurology, 2014, 82, 681-690.	1.1	22
70	Interactions between the tumor and the blood systemic response of breast cancer patients. PLoS Computational Biology, 2017, 13, e1005680.	3.2	22
71	Mapping cis-acting regulatory variation in recombinant congenic strains. Physiological Genomics, 2006, 25, 294-302.	2.3	20
72	Peptides you can count on. Nature Biotechnology, 2007, 25, 61-62.	17.5	20

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73	p66ShcA Promotes Breast Cancer Plasticity by Inducing an Epithelial-to-Mesenchymal Transition. Molecular and Cellular Biology, 2014, 34, 3689-3701.	2.3	19
74	A Faster FPT Algorithm for the Maximum Agreement Forest Problem. Theory of Computing Systems, 2007, 41, 539-550.	1.1	18
75	Cell fingerprinting: An approach to classifying cells according to mass profiles of digests of protein extracts. Proteomics, 2001, 1, 683-690.	2.2	17
76	ANCESTRAL MAXIMUM LIKELIHOOD OF EVOLUTIONARY TREES IS HARD. Journal of Bioinformatics and Computational Biology, 2004, 02, 257-271.	0.8	17
77	Synergistic effects of combined DNA methyltransferase inhibition and MBD2 depletion on breast cancer cells; MBD2 depletion blocks 5-aza-2Ê¹-deoxycytidine-triggered invasiveness. Carcinogenesis, 2014, 35, 2436-2446.	2.8	16
78	A functional in vitro model of heterotypic interactions reveals a role for interferon-positive carcinoma associated fibroblasts in breast cancer. BMC Cancer, 2015, 15, 130.	2.6	16
79	The ShcA PTB Domain Functions as a Biological Sensor of Phosphotyrosine Signaling during Breast Cancer Progression. Cancer Research, 2013, 73, 4521-4532.	0.9	13
80	Analogs and Duals of the MAST Problem for Sequences and Trees. Lecture Notes in Computer Science, 1998, , 103-114.	1.3	12
81	Discovery and Validation of DNA Hypomethylation Biomarkers for Liver Cancer Using HRM-Specific Probes. PLoS ONE, 2013, 8, e68439.	2.5	12
82	Searching for Signaling Balance through the Identification of Genetic Interactors of the Rab Guanine-Nucleotide Dissociation Inhibitor gdi-1. PLoS ONE, 2010, 5, e10624.	2.5	11
83	Dynamical properties of model gene networks and implications for the inverse problem. BioSystems, 2006, 84, 115-123.	2.0	9
84	Frege and Hilbert. , 2010, , 413-464.		9
85	Epigenomic socioeconomic studies more similar than different. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1246.	7.1	8
86	A 12â€gene signature to distinguish colon cancer patients with better clinical outcome following treatment with 5â€fluorouracil or FOLFIRI. Journal of Pathology: Clinical Research, 2015, 1, 160-172.	3.0	8
87	DePIE: Designing Primers for Protein Interaction Experiments. Nucleic Acids Research, 2003, 31, 3755-3757.	14.5	6
88	SOCIO-ETHICAL ISSUES IN PERSONALIZED MEDICINE: A SYSTEMATIC REVIEW OF ENGLISH LANGUAGE HEALTH TECHNOLOGY ASSESSMENTS OF GENE EXPRESSION PROFILING TESTS FOR BREAST CANCER PROGNOSIS. International Journal of Technology Assessment in Health Care, 2015, 31, 36-50.	0.5	5
89	Towards Quality Control for DNA Microarrays. Journal of Computational Biology, 2004, 11, 945-970.	1.6	3
90	Structural and Functional Characterization of a Caenorhabditis elegans Genetic Interaction Network within Pathways. PLoS Computational Biology, 2016, 12, e1004738.	3.2	3

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91	The time-varying effect of radiotherapy after breast-conserving surgery for DCIS. Breast Cancer Research and Treatment, 2019, 178, 221-230.	2.5	3
92	A Biochemical Genomics Screen for Substrates of Ste20p Kinase Enables the In Silico Prediction of Novel Substrates. PLoS ONE, 2009, 4, e8279.	2.5	2
93	Reproducible Data Analysis Pipelines for Precision Medicine. , 2019, , .		2
94	More on Frege and Hilbert. The Western Ontario Series in Philosophy of Science, 2012, , 135-162.	0.2	2
95	Stromal signature identifies basal breast cancers. Nature Medicine, 2009, 15, 238-238.	30.7	1
96	Building Applications for Interactive Data Exploration in Systems Biology. , 2017, , .		1
97	Identifying the most significant pairwise correlations of residues in different positions of helices. , 2001, , .		0