

Michael W Chan

List of Publications by Citations

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114
papers

5,168
citations

36
h-index

70
g-index

131
ext. papers

5,745
ext. citations

7.8
avg, IF

4.86
L-index

#	Paper	IF	Citations
114	Identification and characterization of ovarian cancer-initiating cells from primary human tumors. <i>Cancer Research</i> , 2008 , 68, 4311-20	10.1	1014
113	FOXP3 is an X-linked breast cancer suppressor gene and an important repressor of the HER-2/ErbB2 oncogene. <i>Cell</i> , 2007 , 129, 1275-86	56.2	312
112	Hypermethylation of multiple genes in tumor tissues and voided urine in urinary bladder cancer patients. <i>Clinical Cancer Research</i> , 2002 , 8, 464-70	12.9	197
111	Fibroblasts isolated from common sites of breast cancer metastasis enhance cancer cell growth rates and invasiveness in an interleukin-6-dependent manner. <i>Cancer Research</i> , 2008 , 68, 9087-95	10.1	192
110	Identification of novel DNA methylation markers in cervical cancer. <i>International Journal of Cancer</i> , 2008 , 123, 161-7	7.5	155
109	Combinatorial analysis of transcription factor partners reveals recruitment of c-MYC to estrogen receptor-alpha responsive promoters. <i>Molecular Cell</i> , 2006 , 21, 393-404	17.6	154
108	Quantitative detection of promoter hypermethylation in multiple genes in the serum of patients with colorectal cancer. <i>American Journal of Gastroenterology</i> , 2005 , 100, 2274-9	0.7	123
107	Epithelial progeny of estrogen-exposed breast progenitor cells display a cancer-like methylome. <i>Cancer Research</i> , 2008 , 68, 1786-96	10.1	120
106	Promoter hypermethylation of tumor-related genes in gastric intestinal metaplasia of patients with and without gastric cancer. <i>International Journal of Cancer</i> , 2002 , 102, 623-8	7.5	120
105	Detection of gene promoter hypermethylation in the tumor and serum of patients with gastric carcinoma. <i>Clinical Cancer Research</i> , 2002 , 8, 1761-6	12.9	117
104	Helicobacter pylori causes epigenetic dysregulation of FOXD3 to promote gastric carcinogenesis. <i>Gastroenterology</i> , 2013 , 144, 122-133.e9	13.3	106
103	Promoter hypermethylation of FBXO32, a novel TGF-beta/SMAD4 target gene and tumor suppressor, is associated with poor prognosis in human ovarian cancer. <i>Laboratory Investigation</i> , 2010 , 90, 414-25	5.9	97
102	Growth inhibition of ovarian tumor-initiating cells by niclosamide. <i>Molecular Cancer Therapeutics</i> , 2012 , 11, 1703-12	6.1	94
101	Detection of hypermethylated DNA or cyclooxygenase-2 messenger RNA in fecal samples of patients with colorectal cancer or polyps. <i>American Journal of Gastroenterology</i> , 2007 , 102, 1070-6	0.7	92
100	Expression of trefoil peptides (TFF1, TFF2, and TFF3) in gastric carcinomas, intestinal metaplasia, and non-neoplastic gastric tissues. <i>Journal of Pathology</i> , 2002 , 197, 582-8	9.4	90
99	Frequent hypermethylation of promoter region of RASSF1A in tumor tissues and voided urine of urinary bladder cancer patients. <i>International Journal of Cancer</i> , 2003 , 104, 611-6	7.5	87
98	Potential diagnostic and prognostic values of detecting promoter hypermethylation in the serum of patients with gastric cancer. <i>British Journal of Cancer</i> , 2005 , 92, 2190-4	8.7	86

97	Hypermethylation of the TGF- β target, ABCA1 is associated with poor prognosis in ovarian cancer patients. <i>Clinical Epigenetics</i> , 2015 , 7, 1	7.7	79
96	DNA Methylation as a Noninvasive Epigenetic Biomarker for the Detection of Cancer. <i>Disease Markers</i> , 2017 , 2017, 3726595	3.2	75
95	Constitutional activation of IL-6-mediated JAK/STAT pathway through hypermethylation of SOCS-1 in human gastric cancer cell line. <i>British Journal of Cancer</i> , 2004 , 91, 1335-41	8.7	73
94	Promoter hypermethylation of tumor-related genes in the progression of colorectal neoplasia. <i>International Journal of Cancer</i> , 2004 , 112, 846-53	7.5	72
93	Hypermethylation of 18S and 28S ribosomal DNAs predicts progression-free survival in patients with ovarian cancer. <i>Clinical Cancer Research</i> , 2005 , 11, 7376-83	12.9	62
92	Quantitative Epstein-Barr virus DNA analysis and detection of gene promoter hypermethylation in nasopharyngeal (NP) brushing samples from patients with NP carcinoma. <i>Clinical Cancer Research</i> , 2002 , 8, 2612-9	12.9	60
91	Putative tumour-suppressor gene DAB2 is frequently down regulated by promoter hypermethylation in nasopharyngeal carcinoma. <i>BMC Cancer</i> , 2010 , 10, 253	4.8	58
90	Hypermethylation of the tumor suppressor gene RASSF1A and frequent concomitant loss of heterozygosity at 3p21 in cervical cancers. <i>International Journal of Cancer</i> , 2003 , 105, 204-9	7.5	58
89	Effect of peroxisome proliferator activated receptor gamma ligands on growth and gene expression profiles of gastric cancer cells. <i>Gut</i> , 2004 , 53, 331-8	19.2	56
88	Epigenetic silencing of PTPRR activates MAPK signaling, promotes metastasis and serves as a biomarker of invasive cervical cancer. <i>Oncogene</i> , 2013 , 32, 15-26	9.2	54
87	An integrative ChIP-chip and gene expression profiling to model SMAD regulatory modules. <i>BMC Systems Biology</i> , 2009 , 3, 73	3.5	54
86	Aberrant transforming growth factor beta1 signaling and SMAD4 nuclear translocation confer epigenetic repression of ADAM19 in ovarian cancer. <i>Neoplasia</i> , 2008 , 10, 908-19	6.4	52
85	Aberrant enhancer hypomethylation contributes to hepatic carcinogenesis through global transcriptional reprogramming. <i>Nature Communications</i> , 2019 , 10, 335	17.4	49
84	Hypomethylation signature of tumor-initiating cells predicts poor prognosis of ovarian cancer patients. <i>Human Molecular Genetics</i> , 2014 , 23, 1894-906	5.6	45
83	Alterations of frizzled (FzE3) and secreted frizzled related protein (hsFRP) expression in gastric cancer. <i>Life Sciences</i> , 2001 , 70, 483-9	6.8	45
82	Epigenetic silencing of ARNTL, a circadian gene and potential tumor suppressor in ovarian cancer. <i>International Journal of Oncology</i> , 2014 , 45, 2101-7	4.4	44
81	DNA methylation profiles and biomarkers of oral squamous cell carcinoma. <i>Epigenetics</i> , 2015 , 10, 229-36	5.7	44
80	Detection of epigenetic changes in fecal DNA as a molecular screening test for colorectal cancer: a feasibility study. <i>Clinical Chemistry</i> , 2004 , 50, 2179-82	5.5	44

79	Low-dose 5-aza-2-Deoxycytidine pretreatment inhibits experimental autoimmune encephalomyelitis by induction of regulatory T cells. <i>Molecular Medicine</i> , 2014 , 20, 248-56	6.2	38
78	Association between cytokines and methylation of SOCS-1 in serum of patients with ankylosing spondylitis. <i>Molecular Biology Reports</i> , 2014 , 41, 3773-80	2.8	36
77	Quantitative detection of methylated SOCS-1, a tumor suppressor gene, by a modified protocol of quantitative real time methylation-specific PCR using SYBR green and its use in early gastric cancer detection. <i>Biotechnology Letters</i> , 2004 , 26, 1289-93	3	36
76	Absence of cyclin D2 expression is associated with promoter hypermethylation in gastric cancer. <i>British Journal of Cancer</i> , 2003 , 88, 1560-5	8.7	35
75	Distinct DNA methylation epigenotypes in bladder cancer from different Chinese sub-populations and its implication in cancer detection using voided urine. <i>BMC Medical Genomics</i> , 2011 , 4, 45	3.7	34
74	Epigenetic silencing of the NR4A3 tumor suppressor, by aberrant JAK/STAT signaling, predicts prognosis in gastric cancer. <i>Scientific Reports</i> , 2016 , 6, 31690	4.9	32
73	TGF- β friend or foe? The role of TGF- β /SMAD signaling in epigenetic silencing of ovarian cancer and its implication in epigenetic therapy. <i>Expert Opinion on Therapeutic Targets</i> , 2010 , 14, 1213-23	6.4	30
72	NKCC1 mediates traumatic brain injury-induced hippocampal neurogenesis through CREB phosphorylation and HIF-1 α expression. <i>Pflugers Archiv European Journal of Physiology</i> , 2015 , 467, 1651-61	4.6	29
71	Aberrant TGF- β /SMAD4 signaling contributes to epigenetic silencing of a putative tumor suppressor, RunX1T1 in ovarian cancer. <i>Epigenetics</i> , 2011 , 6, 727-39	5.7	28
70	Promoter methylation of IGFBP-3 and p53 expression in ovarian endometrioid carcinoma. <i>Molecular Cancer</i> , 2009 , 8, 120	42.1	28
69	Intestinal trefoil factor promotes invasion in non-tumorigenic Rat-2 fibroblast cell. <i>Regulatory Peptides</i> , 2005 , 127, 87-94		28
68	Methylomics analysis identifies ZNF671 as an epigenetically repressed novel tumor suppressor and a potential non-invasive biomarker for the detection of urothelial carcinoma. <i>Oncotarget</i> , 2015 , 6, 29555-29572	3.7	27
67	ChIP-seq defined genome-wide map of TGF- β /SMAD4 targets: implications with clinical outcome of ovarian cancer. <i>PLoS ONE</i> , 2011 , 6, e22606	3.7	24
66	Identification of candidate epigenetic biomarkers for ovarian cancer detection. <i>Oncology Reports</i> , 2009 , 22, 853-61	3.5	23
65	E2F6 functions as a competing endogenous RNA, and transcriptional repressor, to promote ovarian cancer stemness. <i>Cancer Science</i> , 2019 , 110, 1085-1095	6.9	22
64	GATA3 as a master regulator and therapeutic target in ovarian high-grade serous carcinoma stem cells. <i>International Journal of Cancer</i> , 2018 , 143, 3106-3119	7.5	22
63	Anti-sense trefoil factor family-3 (intestinal trefoil factor) inhibits cell growth and induces chemosensitivity to adriamycin in human gastric cancer cells. <i>Life Sciences</i> , 2005 , 76, 2581-92	6.8	22
62	Aberrant JAK/STAT Signaling Suppresses TFF1 and TFF2 through Epigenetic Silencing of GATA6 in Gastric Cancer. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	22

61	Cyproheptadine exhibits antitumor activity in urothelial carcinoma cells by targeting GSK3 β to suppress mTOR and Eatenin signaling pathways. <i>Cancer Letters</i> , 2016 , 370, 56-65	9.9	20
60	Inactivation of helicase-like transcription factor by promoter hypermethylation in human gastric cancer. <i>Molecular Carcinogenesis</i> , 2003 , 37, 91-7	5	20
59	DNA methylome analysis identifies epigenetic silencing of FHIT as a determining factor for radiosensitivity in oral cancer: an outcome-predicting and treatment-implicating study. <i>Oncotarget</i> , 2015 , 6, 915-34	3.3	20
58	ZNF671 DNA methylation as a molecular predictor for the early recurrence of serous ovarian cancer. <i>Cancer Science</i> , 2019 , 110, 1105-1116	6.9	19
57	Epigenetic silencing of the dual-role signal mediator, ANGPTL4 in tumor tissues and its overexpression in the urothelial carcinoma microenvironment. <i>Oncogene</i> , 2018 , 37, 673-686	9.2	18
56	Epigenetic silencing of GDF1 disrupts SMAD signaling to reinforce gastric cancer development. <i>Oncogene</i> , 2016 , 35, 2133-44	9.2	17
55	Dysregulated Lysine Acetyltransferase 2B Promotes Inflammatory Bowel Disease Pathogenesis Through Transcriptional Repression of Interleukin-10. <i>Journal of Crohns and Colitis</i> , 2016 , 10, 726-34	1.5	17
54	Dust mite allergen-specific immunotherapy increases IL4 DNA methylation and induces Der p-specific T cell tolerance in children with allergic asthma. <i>Cellular and Molecular Immunology</i> , 2018 , 15, 963-972	15.4	16
53	Paired Box-1 (PAX1) Activates Multiple Phosphatases and Inhibits Kinase Cascades in Cervical Cancer. <i>Scientific Reports</i> , 2019 , 9, 9195	4.9	16
52	Long-term low-dose exposure of human urothelial cells to sodium arsenite activates lipocalin-2 via promoter hypomethylation. <i>Archives of Toxicology</i> , 2014 , 88, 1549-59	5.8	16
51	Methods for high-throughput MethylCap-Seq data analysis. <i>BMC Genomics</i> , 2012 , 13 Suppl 6, S14	4.5	15
50	Promoter hypermethylation and silencing of tissue factor pathway inhibitor-2 in oral squamous cell carcinoma. <i>Journal of Translational Medicine</i> , 2014 , 12, 237	8.5	14
49	The high incidence of JC virus infection in urothelial carcinoma tissue in Taiwan. <i>Journal of Medical Virology</i> , 2011 , 83, 2191-9	19.7	14
48	Bacteria pathogens drive host colonic epithelial cell promoter hypermethylation of tumor suppressor genes in colorectal cancer. <i>Microbiome</i> , 2020 , 8, 108	16.6	14
47	Hemolytic E. coli Promotes Colonic Tumorigenesis in Females. <i>Cancer Research</i> , 2016 , 76, 2891-900	10.1	12
46	Review on the Role of Epigenetic Modifications in Doxorubicin-Induced Cardiotoxicity. <i>Frontiers in Cardiovascular Medicine</i> , 2020 , 7, 56	5.4	11
45	Progressive increase of genetic alteration in urinary bladder cancer by combined allelotyping analysis and comparative genomic hybridization. <i>International Journal of Oncology</i> , 2009 , 34, 963-70	1	11
44	Acts as a Competing Endogenous RNA to Sponge , in the Upregulation of CD44, in Urothelial Carcinoma. <i>Cancers</i> , 2019 , 11,	6.6	10

43	TET1 reprograms the epithelial ovarian cancer epigenome and reveals casein kinase 2 as a therapeutic target. <i>Journal of Pathology</i> , 2019 , 248, 363-376	9.4	10
42	Unexpected close surgical margin in resected buccal cancer: very close margin and DAPK promoter hypermethylation predict poor clinical outcomes. <i>Oral Oncology</i> , 2013 , 49, 336-44	4.4	10
41	The investigation of a traditional Chinese medicine, Guizhi Fuling Wan (GFW) as an intravesical therapeutic agent for urothelial carcinoma of the bladder. <i>BMC Complementary and Alternative Medicine</i> , 2013 , 13, 44	4.7	10
40	Global profiling of histone modifications in the polyomavirus BK virion minichromosome. <i>Virology</i> , 2015 , 483, 1-12	3.6	9
39	A mathematical model of bimodal epigenetic control of miR-193a in ovarian cancer stem cells. <i>PLoS ONE</i> , 2014 , 9, e116050	3.7	9
38	FGF18-FGFR2 signaling triggers the activation of c-Jun-YAP1 axis to promote carcinogenesis in a subgroup of gastric cancer patients and indicates translational potential. <i>Oncogene</i> , 2020 , 39, 6647-6663	9.2	9
37	High Dickkopf-1 expression is associated with poor prognosis in patients with advanced urothelial carcinoma. <i>Experimental and Therapeutic Medicine</i> , 2010 , 1, 893-898	2.1	8
36	Methylomics analysis identifies a putative STAT3 target, SPG20, as a noninvasive epigenetic biomarker for early detection of gastric cancer. <i>PLoS ONE</i> , 2019 , 14, e0218338	3.7	7
35	SOCS-1 promoter methylation and treatment response in chronic hepatitis C patients receiving pegylated-interferon/ribavirin. <i>Journal of Clinical Immunology</i> , 2013 , 33, 1110-6	5.7	7
34	FT-IR microspectrometry reveals the variation of membrane polarizability due to epigenomic effect on epithelial ovarian cancer. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 17963-73	6.3	7
33	Dichotomy effects of Akt signaling in breast cancer. <i>Molecular Cancer</i> , 2012 , 11, 61	42.1	6
32	Deciphering Bacterial Community Structure, Functional Prediction and Food Safety Assessment in Fermented Fruits Using Next-Generation 16S rRNA Amplicon Sequencing. <i>Microorganisms</i> , 2021 , 9,	4.9	6
31	Guizhi Fuling Wan as a Novel Agent for Intravesical Treatment for Bladder Cancer in a Mouse Model. <i>Molecular Medicine</i> , 2016 , 22, 64-73	6.2	6
30	NOTCH3, a crucial target of miR-491-5p/miR-875-5p, promotes gastric carcinogenesis by upregulating PHLDB2 expression and activating Akt pathway. <i>Oncogene</i> , 2021 , 40, 1578-1594	9.2	6
29	Prokineticin Receptor-1 Signaling Inhibits Dose- and Time-Dependent Anthracycline-Induced Cardiovascular Toxicity Via Myocardial and Vascular Protection. <i>JACC: CardioOncology</i> , 2019 , 1, 84-102	3.8	5
28	Environmental Factor-Mediated Transgenerational Inheritance of Hypomethylation and Pulmonary Allergic Response Targeting Dendritic Cells. <i>Frontiers in Immunology</i> , 2020 , 11, 603831	8.4	5
27	Analysis of DNA methylation in human BK virus. <i>Virus Genes</i> , 2011 , 43, 201-7	2.3	5
26	IRAK2, an IL1R/TLR Immune Mediator, Enhances Radiosensitivity Modulating Caspase 8/3-Mediated Apoptosis in Oral Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2021 , 11, 647175	5.3	5

25	Depth-resolved microbial diversity and functional profiles of trichloroethylene-contaminated soils for Biolog EcoPlate-based biostimulation strategy. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127266	12.8	5
24	Significant symptoms alleviation and tumor volume reduction after combined simultaneously integrated inner-escalated boost and volumetric-modulated arc radiotherapy in a patient with unresectable bulky hepatocellular carcinoma: A care-compliant case report. <i>Medicine (United States)</i> , 2016 , 95, e4717	1.8	4
23	Hard clam extracts induce atypical apoptosis in human gastric cancer cells. <i>Experimental and Therapeutic Medicine</i> , 2017 , 14, 1409-1418	2.1	4
22	Targeted inhibition of COX-2 expression by RNA interference suppresses tumor growth and potentiates chemosensitivity to cisplatin in human gastric cancer cells. <i>Oncology Reports</i> , 2007 ,	3.5	4
21	Promoter hypermethylation of Death-associated protein-kinase gene associated with advance stage gastric cancer. <i>Oncology Reports</i> ,	3.5	4
20	Dendritic cell upregulation of programmed death ligand-1 via DNA demethylation inhibits experimental autoimmune encephalomyelitis. <i>Journal of Autoimmunity</i> , 2020 , 107, 102362	15.5	4
19	Epigenetic Silencing of STAT3-Targeted miR-193a, by Constitutive Activation of JAK/STAT Signaling, Leads to Tumor Progression Through Overexpression of YWHAZ in Gastric Cancer. <i>Frontiers in Oncology</i> , 2021 , 11, 575667	5.3	4
18	SH2B1 modulates chromatin state and MyoD occupancy to enhance expressions of myogenic genes. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017 , 1860, 270-281	6	3
17	Emerging Challenges of Radiation-Associated Cardiovascular Dysfunction (RACVD) in Modern Radiation Oncology: Clinical Practice, Bench Investigation, and Multidisciplinary Care. <i>Frontiers in Cardiovascular Medicine</i> , 2020 , 7, 16	5.4	3
16	Identification of candidate epigenetic biomarkers for ovarian cancer detection. <i>Oncology Reports</i> , 2009 , 22,	3.5	3
15	Aberrant epigenetic modifications in radiation-resistant head and neck cancers. <i>Methods in Molecular Biology</i> , 2015 , 1238, 321-32	1.4	3
14	2,4-Diamino-Quinazoline, a Wnt Signaling Inhibitor, Suppresses Gastric Cancer Progression and Metastasis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
13	Irradiation enhanced risks of hospitalised pneumonopathy in lung cancer patients: a population-based surgical cohort study. <i>BMJ Open</i> , 2017 , 7, e015022	3	2
12	Differential DNA methylation profiles of peripheral blood mononuclear cells in allergic asthmatic children following dust mite immunotherapy. <i>Journal of Microbiology, Immunology and Infection</i> , 2020 , 53, 986-995	8.5	2
11	Decreased risk of colorectal cancer among patients with type 2 diabetes receiving Chinese herbal medicine: a population-based cohort study. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	2
10	PCDHB15 as a potential tumor suppressor and epigenetic biomarker for breast cancer.. <i>Oncology Letters</i> , 2022 , 23, 117	2.6	2
9	Combinatorial Epigenetic and Immunotherapy in Breast Cancer Management: A Literature Review.. <i>Epigenomes</i> , 2020 , 4,	2.3	2
8	Cyproheptadine, an epigenetic modifier, exhibits anti-tumor activity by reversing the epigenetic silencing of IRF6 in urothelial carcinoma. <i>Cancer Cell International</i> , 2021 , 21, 226	6.4	2

7	Neonatal Dexamethasone Treatment Suppresses Hippocampal Estrogen Receptor β Expression in Adolescent Female Rats. <i>Molecular Neurobiology</i> , 2019 , 56, 2224-2233	6.2	1
6	Effect of NVP-BEZ235, dual phosphatidylinositol 3-kinase/mammalian target of rapamycin inhibitor, on radiosensitivity of oral cancer cell line through G2/M phase checkpoint regulation.. <i>Journal of Clinical Oncology</i> , 2014 , 32, e13558-e13558	2.2	1
5	Oncogene-tumor suppressor gene feedback interactions and their control. <i>Mathematical Biosciences and Engineering</i> , 2015 , 12, 1277-88	2.1	1
4	Methylomic analysis identifies C11orf87 as a novel epigenetic biomarker for GI cancers. <i>PLoS ONE</i> , 2021 , 16, e0250499	3.7	1
3	CCRK-a hub for liver metastasis and cancer. <i>Cellular and Molecular Immunology</i> , 2021 , 18, 1341-1342	15.4	1
2	Epigenetics in Cancer Stem Cell Development197-215		
1	Methods of Global Epigenomic Profiling427-443		