Ming Tan

List of Publications by Year in Descending Order

81 papers	11,739 citations	41 h-index	89 g-index
89 ext. papers	13,325 ext. citations	7.9 avg, IF	5.73 L-index

#	Paper	IF	Citations
81	LATS kinase-mediated CTCF phosphorylation and selective loss of genomic binding. *Science Advances*, **2020**, 6, eaaw4651	14.3	10
80	Hypoxia induces cancer cell-specific chromatin interactions and increases MALAT1 expression in breast cancer cells. *Journal of Biological Chemistry*, **2019**, 294, 11213-11224	5.4	26
79	p53/Lactate dehydrogenase A axis negatively regulates aerobic glycolysis and tumor progression in breast cancer expressing wild-type p53. *Cancer Science*, **2019**, 110, 939-949	6.9	31
78	Immunoregulatory protein B7-H3 regulates cancer stem cell enrichment and drug resistance through MVP-mediated MEK activation. *Oncogene*, **2019**, 38, 88-102	9.2	36
77	APLNR is involved in ATRA-induced growth inhibition of nasopharyngeal carcinoma and may suppress EMT through PI3K-Akt-mTOR signaling. *FASEB Journal*, **2019**, 33, 11959-11972	0.9	17
76	Coamplification of protects -amplified breast cancers from targeted therapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E2594-E2603	11.5	15
75	BRD7 inhibits the Warburg effect and tumor progression through inactivation of HIF1ALDHA axis in breast cancer. *Cell Death and Disease*, **2018**, 9, 519	9.8	22
74	B7-H3 in Cancer - Beyond Immune Regulation. *Trends in Cancer*, **2018**, 4, 401-404	12.5	57
73	Diverse Roles of Mitochondria in Immune Responses: Novel Insights Into Immuno-Metabolism. *Frontiers in Immunology*, **2018**, 9, 1605	8.4	186
72	BRD7 plays an anti-inflammatory role during early acute inflammation by inhibiting activation of the NF-B signaling pathway. *Cellular and Molecular Immunology*, **2017**, 14, 830-841	15.4	34
71	Elevated microRNA-125b levels predict a worse prognosis in HER2-positive breast cancer patients. *Oncology Letters*, **2017**, 13, 867-874	2.6	33
70	Interplay between Immune Checkpoint Proteins and Cellular Metabolism. *Cancer Research*, **2017**, 77, 1245-1249	10.1	58
69	The reverse Warburg effect is likely to be an AchillesTheel of cancer that can be exploited for cancer therapy. *Oncotarget*, **2017**, 8, 57813-57825	3.3	135
68	Epstein-Barr virus-encoded small RNA 1 (EBER-1) could predict good prognosis in nasopharyngeal carcinoma. *Clinical and Translational Oncology*, **2016**, 18, 206-11	3.6	38
67	The development of non-coding RNA ontology. *International Journal of Data Mining and Bioinformatics*, **2016**, 15, 214-232	0.5	7
66	Knockout of BRD7 results in impaired spermatogenesis and male infertility. *Scientific Reports*, **2016**, 6, 21776	4.9	33
65	A regulatory circuit of miR-125b/miR-20b and Wnt signalling controls glioblastoma phenotypes through FZD6-modulated pathways. *Nature Communications*, **2016**, 7, 12885	17.4	51

64	OmniSearch: a semantic search system based on the Ontology for MIcroRNA Target (OMIT) for microRNA-target gene interaction data. *Journal of Biomedical Semantics*, **2016**, 7, 25	2.2	16
63	Regulation of mitochondrial functions by protein phosphorylation and dephosphorylation. *Cell and Bioscience*, **2016**, 6, 25	9.8	60
62	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
61	SON and Its Alternatively Spliced Isoforms Control MLL Complex-Mediated H3K4me3 and Transcription of Leukemia-Associated Genes. *Molecular Cell*, **2016**, 61, 859-73	17.6	30
60	miR-141 is involved in BRD7-mediated cell proliferation and tumor formation through suppression of the PTEN/AKT pathway in nasopharyngeal carcinoma. *Cell Death and Disease*, **2016**, 7, e2156	9.8	47
59	Determination of Breast Cancer Cell Migratory Ability. *Methods in Molecular Biology*, **2016**, 1406, 171-80	1.4	3
58	Mitochondrial DNA Repair through OGG1 Activity Attenuates Breast Cancer Progression and Metastasis. *Cancer Research*, **2016**, 76, 30-4	10.1	29
57	Decreased expression of B7-H3 reduces the glycolytic capacity and sensitizes breast cancer cells to AKT/mTOR inhibitors. *Oncotarget*, **2016**, 7, 6891-901	3.3	45
56	Src drives the Warburg effect and therapy resistance by inactivating pyruvate dehydrogenase through tyrosine-289 phosphorylation. *Oncotarget*, **2016**, 7, 25113-24	3.3	26
55	MicroRNA-16 sensitizes breast cancer cells to paclitaxel through suppression of IKBKB expression. *Oncotarget*, **2016**, 7, 23668-83	3.3	29
54	miR-125b regulates differentiation and metabolic reprogramming of T cell acute lymphoblastic leukemia by directly targeting A20. *Oncotarget*, **2016**, 7, 78667-78679	3.3	18
53	Immunoregulatory Protein B7-H3 Reprograms Glucose Metabolism in Cancer Cells by ROS-Mediated Stabilization of HIF1 *Cancer Research*, **2016**, 76, 2231-42	10.1	65
52	The Non-Coding RNA Ontology (NCRO): a comprehensive resource for the unification of non-coding RNA biology. *Journal of Biomedical Semantics*, **2016**, 7, 24	2.2	5
51	Inactivation of BRD7 results in impaired cognitive behavior and reduced synaptic plasticity of the medial prefrontal cortex. *Behavioural Brain Research*, **2015**, 286, 1-10	3.4	16
50	ErbB2-intronic microRNA-4728: a novel tumor suppressor and antagonist of oncogenic MAPK signaling. *Cell Death and Disease*, **2015**, 6, e1742	9.8	22
49	The Warburg effect in tumor progression: mitochondrial oxidative metabolism as an anti-metastasis mechanism. *Cancer Letters*, **2015**, 356, 156-64	9.9	381
48	Lactotransferrin could be a novel independent molecular prognosticator of nasopharyngeal carcinoma. *Tumor Biology*, **2015**, 36, 675-83	2.9	23
47	Exploiting multi-layered vector spaces for signal peptide detection. *International Journal of Data Mining and Bioinformatics*, **2015**, 13, 141-57	0.5	0

46	Caveolin-1 Dependent Endocytosis Enhances the Chemosensitivity of HER-2 Positive Breast Cancer Cells to Trastuzumab Emtansine (T-DM1). *PLoS ONE*, **2015**, 10, e0133072	3.7	25
45	A semantic approach for knowledge capture of MIcroRNA-Target gene interactions **2015**,		6
44	High Bak Expression Is Associated with a Favorable Prognosis in Breast Cancer and Sensitizes Breast Cancer Cells to Paclitaxel. *PLoS ONE*, **2015**, 10, e0138955	3.7	23
43	Inhibition of the Warburg effect with a natural compound reveals a novel measurement for determining the metastatic potential of breast cancers. *Oncotarget*, **2015**, 6, 662-78	3.3	36
42	Identification of candidate biomarkers for the early detection of nasopharyngeal carcinoma by quantitative proteomic analysis. *Journal of Proteomics*, **2014**, 109, 162-75	3.9	22
41	Panepoxydone targets NF-kB and FOXM1 to inhibit proliferation, induce apoptosis and reverse epithelial to mesenchymal transition in breast cancer. *PLoS ONE*, **2014**, 9, e98370	3.7	57
40	OMIT: dynamic, semi-automated ontology development for the microRNA domain. *PLoS ONE*, **2014**, 9, e100855	3.7	14
39	LOC401317, a p53-regulated long non-coding RNA, inhibits cell proliferation and induces apoptosis in the nasopharyngeal carcinoma cell line HNE2. *PLoS ONE*, **2014**, 9, e110674	3.7	82
38	SPLUNC1 is associated with nasopharyngeal carcinoma prognosis and plays an important role in all-trans-retinoic acid-induced growth inhibition and differentiation in nasopharyngeal cancer cells. *FEBS Journal*, **2014**, 281, 4815-29	5.7	14
37	Preparation of polyclonal antibody highly specific for mouse BRD7 protein and its application. *Acta Biochimica Et Biophysica Sinica*, **2014**, 46, 163-6	2.8	3
36	Tissue-specific isoform switch and DNA hypomethylation of the pyruvate kinase PKM gene in human cancers. *Oncotarget*, **2014**, 5, 8202-10	3.3	101
35	Semi-automated microRNA ontology development based on artificial neural networks **2013**,		1
34	Targeting cellular metabolism to improve cancer therapeutics. *Cell Death and Disease*, **2013**, 4, e532	9.8	695
33	Stalling the engine of resistance: targeting cancer metabolism to overcome therapeutic resistance. *Cancer Research*, **2013**, 73, 2709-17	10.1	95
32	Heat shock factor 1 (HSF1) controls chemoresistance and autophagy through transcriptional regulation of autophagy-related protein 7 (ATG7). *Journal of Biological Chemistry*, **2013**, 288, 9165-76	5.4	92
31	miR-125b functions as a key mediator for snail-induced stem cell propagation and chemoresistance. *Journal of Biological Chemistry*, **2013**, 288, 4334-45	5.4	45
30	Manganese superoxide dismutase promotes anoikis resistance and tumor metastasis. *Cell Death and Disease*, **2013**, 4, e504	9.8	89
29	Receptor tyrosine kinase ErbB2 translocates into mitochondria and regulates cellular metabolism. *Nature Communications*, **2012**, 3, 1271	17.4	83

28	Testing for differentially-expressed microRNAs with errors-in-variables nonparametric regression. *PLoS ONE*, **2012**, 7, e37537	3.7	3
27	**2012**,		4
26	Glucose oxidation modulates anoikis and tumor metastasis. *Molecular and Cellular Biology*, **2012**, 32, 1893-907	4.8	146
25	Knowledge acquisition, semantic text mining, and security risks in health and biomedical informatics. *World Journal of Biological Chemistry*, **2012**, 3, 27-33	3.8	3
24	Emerging metabolic targets in cancer therapy. *Frontiers in Bioscience - Landmark*, **2011**, 16, 1844-60	2.8	65
23	OMIT: a domain-specific knowledge base for microRNA target prediction. *Pharmaceutical Research*, **2011**, 28, 3101-4	4.5	12
22	Overcoming trastuzumab resistance in breast cancer by targeting dysregulated glucose metabolism. *Cancer Research*, **2011**, 71, 4585-97	10.1	180
21	B7-H3 silencing increases paclitaxel sensitivity by abrogating Jak2/Stat3 phosphorylation. *Molecular Cancer Therapeutics*, **2011**, 10, 960-71	6.1	90
20	MicroRNA-125b confers the resistance of breast cancer cells to paclitaxel through suppression of pro-apoptotic Bcl-2 antagonist killer 1 (Bak1) expression. *Journal of Biological Chemistry*, **2010**, 285, 21496-507	5.4	325
19	Ontology for MicroRNA Target prediction in human cancer **2010**,		2
18	Warburg effect in chemosensitivity: targeting lactate dehydrogenase-A re-sensitizes taxol-resistant cancer cells to taxol. *Molecular Cancer*, **2010**, 9, 33	42.1	243
17	OMIT: Domain Ontology and Knowledge Acquisition in MicroRNA Target Prediction. *Lecture Notes in Computer Science*, **2010**, 1160-1167	0.9	3
16	Mitotic deregulation by survivin in ErbB2-overexpressing breast cancer cells contributes to Taxol resistance. *Clinical Cancer Research*, **2009**, 15, 1326-34	12.9	68
15	Upregulation of lactate dehydrogenase A by ErbB2 through heat shock factor 1 promotes breast cancer cell glycolysis and growth. *Oncogene*, **2009**, 28, 3689-701	9.2	182
14	Molecular mechanisms of erbB2-mediated breast cancer chemoresistance. *Advances in Experimental Medicine and Biology*, **2007**, 608, 119-29	3.6	96
13	Selective inhibition of ErbB2-overexpressing breast cancer in vivo by a novel TAT-based ErbB2-targeting signal transducers and activators of transcription 3-blocking peptide. *Cancer Research*, **2006**, 66, 3764-72	10.1	96
12	ErbB2 increases vascular endothelial growth factor protein synthesis via activation of mammalian target of rapamycin/p70S6K leading to increased angiogenesis and spontaneous metastasis of human breast cancer cells. *Cancer Research*, **2006**, 66, 2028-37	10.1	157
11	Upregulation and activation of PKC alpha by ErbB2 through Src promotes breast cancer cell invasion that can be blocked by combined treatment with PKC alpha and Src inhibitors. *Oncogene*, **2006**, 25, 3286-95	9.2	81

10	1□2 The Role of PTEN and Its Signalling Pathways, Including AKT, in Breast Cancer; An Assessment of Relationships With Other Prognostic Factors and With Outcome. *Breast Diseases*, **2005**, 16, 53-54		
9	ErbB2 promotes Src synthesis and stability: novel mechanisms of Src activation that confer breast cancer metastasis. *Cancer Research*, **2005**, 65, 1858-67	10.1	249
8	Activation of the Akt/mammalian target of rapamycin/4E-BP1 pathway by ErbB2 overexpression predicts tumor progression in breast cancers. *Clinical Cancer Research*, **2004**, 10, 6779-88	12.9	263
7	PTEN activation contributes to tumor inhibition by trastuzumab, and loss of PTEN predicts trastuzumab resistance in patients. *Cancer Cell*, **2004**, 6, 117-27	24.3	1462
6	Upregulation of CXCR4 is essential for HER2-mediated tumor metastasis. *Cancer Cell*, **2004**, 6, 459-69	24.3	443
5	High-dose methotrexate pharmacokinetics and outcome of children and young adults with osteosarcoma. *Cancer*, **2004**, 100, 1724-33	6.4	96
4	Phosphorylation on tyrosine-15 of p34(Cdc2) by ErbB2 inhibits p34(Cdc2) activation and is involved in resistance to taxol-induced apoptosis. *Molecular Cell*, **2002**, 9, 993-1004	17.6	118
3	Heregulin beta1-activated phosphatidylinositol 3-kinase enhances aggregation of MCF-7 breast cancer cells independent of extracellular signal-regulated kinase. *Cancer Research*, **1999**, 59, 1620-5	10.1	42
2	Overexpression of ErbB2 blocks Taxol-induced apoptosis by upregulation of p21Cip1, which inhibits p34Cdc2 kinase. *Molecular Cell*, **1998**, 2, 581-91	17.6	311
1	Wild-type p53 and a p53 temperature-sensitive mutant suppress human soft tissue sarcoma by enhancing cell cycle control. *Clinical Cancer Research*, **1998**, 4, 1985-94	12.9	18