Ming Tan

List of Publications by Citations

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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
80	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
79	Targeting cellular metabolism to improve cancer therapeutics. *Cell Death and Disease*, **2013**, 4, e532	9.8	695
78	Upregulation of CXCR4 is essential for HER2-mediated tumor metastasis. *Cancer Cell*, **2004**, 6, 459-69	24.3	443
77	The Warburg effect in tumor progression: mitochondrial oxidative metabolism as an anti-metastasis mechanism. *Cancer Letters*, **2015**, 356, 156-64	9.9	381
76	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
75	Overexpression of ErbB2 blocks Taxol-induced apoptosis by upregulation of p21Cip1, which inhibits p34Cdc2 kinase. *Molecular Cell*, **1998**, 2, 581-91	17.6	311
74	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
73	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
72	Warburg effect in chemosensitivity: targeting lactate dehydrogenase-A re-sensitizes taxol-resistant cancer cells to taxol. *Molecular Cancer*, **2010**, 9, 33	42.1	243
71	Diverse Roles of Mitochondria in Immune Responses: Novel Insights Into Immuno-Metabolism. *Frontiers in Immunology*, **2018**, 9, 1605	8.4	186
70	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
69	Overcoming trastuzumab resistance in breast cancer by targeting dysregulated glucose metabolism. *Cancer Research*, **2011**, 71, 4585-97	10.1	180
68	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
67	Glucose oxidation modulates anoikis and tumor metastasis. *Molecular and Cellular Biology*, **2012**, 32, 1893-907	4.8	146
66	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
65	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

64	Tissue-specific isoform switch and DNA hypomethylation of the pyruvate kinase PKM gene in human cancers. *Oncotarget*, **2014**, 5, 8202-10	3.3	101
63	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
62	Molecular mechanisms of erbB2-mediated breast cancer chemoresistance. *Advances in Experimental Medicine and Biology*, **2007**, 608, 119-29	3.6	96
61	High-dose methotrexate pharmacokinetics and outcome of children and young adults with osteosarcoma. *Cancer*, **2004**, 100, 1724-33	6.4	96
60	Stalling the engine of resistance: targeting cancer metabolism to overcome therapeutic resistance. *Cancer Research*, **2013**, 73, 2709-17	10.1	95
59	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
58	B7-H3 silencing increases paclitaxel sensitivity by abrogating Jak2/Stat3 phosphorylation. *Molecular Cancer Therapeutics*, **2011**, 10, 960-71	6.1	90
57	Manganese superoxide dismutase promotes anoikis resistance and tumor metastasis. *Cell Death and Disease*, **2013**, 4, e504	9.8	89
56	Receptor tyrosine kinase ErbB2 translocates into mitochondria and regulates cellular metabolism. *Nature Communications*, **2012**, 3, 1271	17.4	83
55	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
54	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
53	Mitotic deregulation by survivin in ErbB2-overexpressing breast cancer cells contributes to Taxol resistance. *Clinical Cancer Research*, **2009**, 15, 1326-34	12.9	68
52	Emerging metabolic targets in cancer therapy. *Frontiers in Bioscience - Landmark*, **2011**, 16, 1844-60	2.8	65
51	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
50	Regulation of mitochondrial functions by protein phosphorylation and dephosphorylation. *Cell and Bioscience*, **2016**, 6, 25	9.8	60
49	Interplay between Immune Checkpoint Proteins and Cellular Metabolism. *Cancer Research*, **2017**, 77, 1245-1249	10.1	58
48	B7-H3 in Cancer - Beyond Immune Regulation. *Trends in Cancer*, **2018**, 4, 401-404	12.5	57
47	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

46	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
45	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
44	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
43	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
42	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
41	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
40	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
39	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
38	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
37	Elevated microRNA-125b levels predict a worse prognosis in HER2-positive breast cancer patients. *Oncology Letters*, **2017**, 13, 867-874	2.6	33
36	Knockout of BRD7 results in impaired spermatogenesis and male infertility. *Scientific Reports*, **2016**, 6, 21776	4.9	33
35	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
34	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
33	Mitochondrial DNA Repair through OGG1 Activity Attenuates Breast Cancer Progression and Metastasis. *Cancer Research*, **2016**, 76, 30-4	10.1	29
32	MicroRNA-16 sensitizes breast cancer cells to paclitaxel through suppression of IKBKB expression. *Oncotarget*, **2016**, 7, 23668-83	3.3	29
31	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
30	Src drives the Warburg effect and therapy resistance by inactivating pyruvate dehydrogenase through tyrosine-289 phosphorylation. *Oncotarget*, **2016**, 7, 25113-24	3.3	26
29	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

28	Lactotransferrin could be a novel independent molecular prognosticator of nasopharyngeal carcinoma. *Tumor Biology*, **2015**, 36, 675-83	2.9	23
27	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
26	ErbB2-intronic microRNA-4728: a novel tumor suppressor and antagonist of oncogenic MAPK signaling. *Cell Death and Disease*, **2015**, 6, e1742	9.8	22
25	BRD7 inhibits the Warburg effect and tumor progression through inactivation of HIF1/LDHA axis in breast cancer. *Cell Death and Disease*, **2018**, 9, 519	9.8	22
24	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
23	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
22	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
21	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
20	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
19	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
18	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
17	OMIT: dynamic, semi-automated ontology development for the microRNA domain. *PLoS ONE*, **2014**, 9, e100855	3.7	14
16	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
15	OMIT: a domain-specific knowledge base for microRNA target prediction. *Pharmaceutical Research*, **2011**, 28, 3101-4	4.5	12
14	LATS kinase-mediated CTCF phosphorylation and selective loss of genomic binding. *Science Advances*, **2020**, 6, eaaw4651	14.3	10
13	The development of non-coding RNA ontology. *International Journal of Data Mining and Bioinformatics*, **2016**, 15, 214-232	0.5	7
12	A semantic approach for knowledge capture of MIcroRNA-Target gene interactions **2015**,		6
11	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

10	**2012**,		4
9	Determination of Breast Cancer Cell Migratory Ability. *Methods in Molecular Biology*, **2016**, 1406, 171-80	1.4	3
8	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
7	Testing for differentially-expressed microRNAs with errors-in-variables nonparametric regression. *PLoS ONE*, **2012**, 7, e37537	3.7	3
6	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
5	OMIT: Domain Ontology and Knowledge Acquisition in MicroRNA Target Prediction. *Lecture Notes in Computer Science*, **2010**, 1160-1167	0.9	3
4	Ontology for MicroRNA Target prediction in human cancer **2010**,		2
3	Semi-automated microRNA ontology development based on artificial neural networks **2013**,		1
2	Exploiting multi-layered vector spaces for signal peptide detection. *International Journal of Data Mining and Bioinformatics*, **2015**, 13, 141-57	0.5	0
1	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		