Ming-Derg Lai

List of Publications by Year
in descending order

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95	3,786	117625	149698
papers	citations	34 h-index	56 g-index

96	96	96	5770
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pre-S mutant surface antigens in chronic hepatitis B virus infection induce oxidative stress and DNA damage. Carcinogenesis, 2004, 25, 2023-2032.	2.8	264
2	Endoplasmic Reticulum Stress Stimulates the Expression of Cyclooxygenase-2 through Activation of NF-ÎºB and pp38 Mitogen-activated Protein Kinase. Journal of Biological Chemistry, 2004, 279, 46384-46392.	3.4	223
3	Molecular basis of genetic variation in debrisoquin hydroxylation in Chinese subjects: Polymorphism in RFLP and DNA sequence of CYP2D6. Clinical Pharmacology and Therapeutics, 1993, 53, 410-418.	4.7	153
4	Biosignaling of mammalian Ste20-related kinases. Cellular Signalling, 2008, 20, 1237-1247.	3.6	125
5	Voltage-gated calcium channels: Novel targets for cancer therapy. Oncology Letters, 2017, 14, 2059-2074.	1.8	124
6	Hepatitis B virus pre-S2 mutant upregulates cyclin A expression and induces nodular proliferation of hepatocytes. Hepatology, 2005, 41, 761-770.	7.3	119
7	Systematic Analysis of Gene Expression Alterations and Clinical Outcomes for Long-Chain Acyl-Coenzyme A Synthetase Family in Cancer. PLoS ONE, 2016, 11, e0155660.	2.5	107
8	Endoplasmic Reticulum Stress Stimulates p53 Expression through NF-ÎºB Activation. PLoS ONE, 2012, 7, e39120.	2.5	86
9	Meta-Analysis of Public Microarray Datasets Reveals Voltage-Gated Calcium Gene Signatures in Clinical Cancer Patients. PLoS ONE, 2015, 10, e0125766.	2.5	84
10	Caspase Activation of Mammalian Sterile 20-like Kinase 3 (Mst3). Journal of Biological Chemistry, 2002, 277, 34367-34374.	3.4	79
11	A Novel Cancer Therapy by Skin Delivery of Indoleamine 2,3-Dioxygenase siRNA. Clinical Cancer Research, 2009, 15, 641-649.	7.0	79
12	Hepatitis B Virus Pre-S2 Mutant Surface Antigen Induces Degradation of Cyclin-Dependent Kinase Inhibitor p27Kip1 through c-Jun Activation Domain-Binding Protein 1. Molecular Cancer Research, 2007, 5, 1063-1072.	3.4	75
13	Inhibition of Cell Migration by Autophosphorylated Mammalian Sterile 20-Like Kinase 3 (MST3) Involves Paxillin and Protein-tyrosine Phosphatase-PEST. Journal of Biological Chemistry, 2006, 281, 38405-38417.	3.4	70
14	A Novel Mechanism by Which Thiazolidinediones Facilitate the Proteasomal Degradation of Cyclin D1 in Cancer Cells. Journal of Biological Chemistry, 2008, 283, 26759-26770.	3.4	67
15	Differential Expression Pattern of THBS1 and THBS2 in Lung Cancer: Clinical Outcome and a Systematic-Analysis of Microarray Databases. PLoS ONE, 2016, 11, e0161007.	2.5	67
16	Aberrant cyclin A expression and centrosome overduplication induced by hepatitis B virus Pre-S2 mutants and its implication in hepatocarcinogenesis. Carcinogenesis, 2012, 33, 466-472.	2.8	64
17	Comparative proteomic profiling of plasma very-low-density and low-density lipoproteins. Clinica Chimica Acta, 2010, 411, 336-344.	1.1	61
18	Cyclin D1 overexpression correlates with poor tumor differentiation and prognosis in gastric cancer. Oncology Letters, 2017, 14, 4517-4526.	1.8	55

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19	Formation of morphine from codeine in Chinese subjects of different CYP2D6 genotypes*. Clinical Pharmacology and Therapeutics, 1996, 60, 177-182.	4.7	53
20	Propranolol disposition in Chinese subjects of different CYP2D6 genotypes*. Clinical Pharmacology and Therapeutics, 1995, 58, 264-268.	4.7	51
21	Therapeutic HER2/Neu DNA Vaccine Inhibits Mouse Tumor Naturally Overexpressing Endogenous Neu. Molecular Therapy, 2004, 10, 290-301.	8.2	51
22	Gene signatures of SARS-CoV/SARS-CoV-2-infected ferret lungs in short- and long-term models. Infection, Genetics and Evolution, 2020, 85, 104438.	2.3	50
23	An unusual function of RON receptor tyrosine kinase as a transcriptional regulator in cooperation with EGFR in human cancer cells. Carcinogenesis, 2010, 31, 1456-1464.	2.8	48
24	ACSL3 and GSKâ€3Î² are essential for lipid upregulation induced by endoplasmic reticulum stress in liver cells. Journal of Cellular Biochemistry, 2011, 112, 881-893.	2.6	47
25	Single-cell RNA sequencing reveals gene expression signatures of breast cancer-associated endothelial cells. Oncotarget, 2018, 9, 10945-10961.	1.8	45
26	Microarray profiling of gene expression patterns in bladder tumor cells treated with genistein. Journal of Biomedical Science, 2001, 8, 214-222.	7.0	41
27	Therapeutics targeting CD90-integrin-AMPK-CD133 signal axis in liver cancer. Oncotarget, 2015, 6, 42923-42937.	1.8	41
28	Mucin 2 silencing promotes colon cancer metastasis through interleukin-6 signaling. Scientific Reports, 2017, 7, 5823.	3.3	40
29	Very low-density lipoprotein/lipo-viro particles reverse lipoprotein lipase-mediated inhibition of hepatitis C virus infection via apolipoprotein C-III. Gut, 2013, 62, 1193-1203.	12.1	39
30	Cancer stem cell marker CD90 inhibits ovarian cancer formation via Î²3 integrin. International Journal of Oncology, 2016, 49, 1881-1889.	3.3	39
31	Increase of Zinc Finger Protein 179 in Response to CCAAT/Enhancer Binding Protein Delta Conferring an Antiapoptotic Effect in Astrocytes of Alzheimerâ€™s Disease. Molecular Neurobiology, 2015, 51, 370-382.	4.0	37
32	MST3 promotes proliferation and tumorigenicity through the VAV2/Rac1 signal axis in breast cancer. Oncotarget, 2016, 7, 14586-14604.	1.8	37
33	Overexpression ofMDM-2 mRNA and mutation of thep53 tumor suppressor gene in bladder carcinoma cell lines. Molecular Carcinogenesis, 1995, 13, 173-181.	2.7	35
34	A Novel Cancer Therapeutic Using Thrombospondin 1 in Dendritic Cells. Molecular Therapy, 2014, 22, 292-302.	8.2	35
35	Argininosuccinate synthetase 1 suppression and arginine restriction inhibit cell migration in gastric cancer cell lines. Scientific Reports, 2015, 5, 9783.	3.3	35
36	Amelioration of Rat Collagen-Induced Arthritis Through CD4⁺ T Cells Apoptosis and Synovial Interleukin-17 Reduction by Indoleamine 2,3-Dioxygenase Gene Therapy. Human Gene Therapy, 2011, 22, 145-154.	2.7	34

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37	SH3BGRL3 Protein as a Potential Prognostic Biomarker for Urothelial Carcinoma: A Novel Binding Partner of Epidermal Growth Factor Receptor. Clinical Cancer Research, 2015, 21, 5601-5611.	7.0	34
38	Differential endoplasmic reticulum stress signaling pathways mediated by iNOS. Biochemical and Biophysical Research Communications, 2007, 359, 643-648.	2.1	33
39	Argininosuccinate lyase is a potential therapeutic target in breast cancer. Oncology Reports, 2015, 34, 3131-3139.	2.6	33
40	ZNF50 3/ Zpo2 drives aggressive breast cancer progression by down-regulation of GATA3 expression. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3169-3174.	7.1	32
41	Loss of Eâ€cadherin and Î²â€catenin is correlated with poor prognosis of ampullary neoplasms. Journal of Surgical Oncology, 2010, 101, 356-362.	1.7	31
42	Fatty acid metabolic enzyme acyl-CoA thioesterase 8 promotes the development of hepatocellular carcinoma. Oncology Reports, 2014, 31, 2797-2803.	2.6	31
43	Depletion of CD4+CD25+ regulatory T cells can promote local immunity to suppress tumor growth in benzo[a]pyrene-induced forestomach carcinoma. World Journal of Gastroenterology, 2008, 14, 5797.	3.3	31
44	Skin delivery of short hairpin RNA of indoleamine 2,3 dioxygenase induces antitumor immunity against orthotopic and metastatic liver cancer. Cancer Science, 2011, 102, 2214-2220.	3.9	30
45	Potential Significance of EMP3 in Patients with Upper Urinary Tract Urothelial Carcinoma: Crosstalk with ErbB2-PI3K-Akt Pathway. Journal of Urology, 2014, 192, 242-251.	0.4	29
46	Astrocytic CCAAT/Enhancer-binding protein delta contributes to reactive oxygen species formation in neuroinflammation. Redox Biology, 2018, 16, 104-112.	9.0	29
47	A combination of the metabolic enzyme inhibitor APO866 and the immune adjuvant L-1-methyl tryptophan induces additive antitumor activity. Experimental Biology and Medicine, 2010, 235, 869-876.	2.4	28
48	Hypoxia Promotes Nuclear Translocation and Transcriptional Function in the Oncogenic Tyrosine Kinase RON. Cancer Research, 2014, 74, 4549-4562.	0.9	27
49	Homoharringtonine induced immune alteration for an Efficient Anti-tumor Response in Mouse Models of Non-small Cell Lung Adenocarcinoma Expressing Kras Mutation. Scientific Reports, 2018, 8, 8216.	3.3	27
50	PSMB5 plays a dual role in cancer development and immunosuppression. American Journal of Cancer Research, 2017, 7, 2103-2120.	1.4	27
51	Delivery of noncarrier naked DNA vaccine into the skin by supersonic flow induces a polarized T helper type 1 immune response to cancer. Journal of Gene Medicine, 2008, 10, 679-689.	2.8	26
52	A novel derivative of betulinic acid, SYK023, suppresses lung cancer growth and malignancy. Oncotarget, 2015, 6, 13671-13687.	1.8	26
53	Gene signatures and potential therapeutic targets of amino acid metabolism in estrogen receptor-positive breast cancer. American Journal of Cancer Research, 2020, 10, 95-113.	1.4	26
54	Osteopontin-positive infiltrating tumor-associated macrophages in bulky ampullary cancer predict survival. Cancer Biology and Therapy, 2010, 10, 144-154.	3.4	25

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55	Attenuation of Argininosuccinate Lyase Inhibits Cancer Growth via Cyclin A2 and Nitric Oxide. Molecular Cancer Therapeutics, 2013, 12, 2505-2516.	4.1	25
56	Suppression of mucin 2 promotes interleukin-6 secretion and tumor growth in an orthotopic immune-competent colon cancer animal model. Oncology Reports, 2014, 32, 2335-2342.	2.6	24
57	The role of inducible nitric oxide synthase in a murine acute hepatitis B virus (HBV) infection model induced by hydrodynamics-based in vivo transfection of HBV-DNA. Journal of Hepatology, 2003, 39, 834-842.	3.7	23
58	Therapeutic inhibition of hepatitis B virus surface antigen expression by RNA interference. Biochemical and Biophysical Research Communications, 2005, 336, 820-830.	2.1	23
59	Increased expression of argininosuccinate synthetase protein predicts poor prognosis in human gastric cancer. Oncology Reports, 2015, 33, 49-57.	2.6	23
60	Argininosuccinate lyase interacts with cyclin A2 in cytoplasm and modulates growth of liver tumor cells. Oncology Reports, 2017, 37, 969-978.	2.6	23
61	Systematic analysis of the achaete-scute complex-like gene signature in clinical cancer patients. Molecular and Clinical Oncology, 2017, 6, 7-18.	1.0	23
62	Upregulation of peroxisome proliferator-activated receptor-Î± and the lipid metabolism pathway promotes carcinogenesis of ampullary cancer. International Journal of Medical Sciences, 2021, 18, 256-269.	2.5	23
63	CCDC167 as a potential therapeutic target and regulator of cell cycle-related networks in breast cancer. Aging, 2021, 13, 4157-4181.	3.1	22
64	Zinc ion acts as a cofactor for serine/threonine kinase MST3 and has a distinct role in autophosphorylation of MST3. Journal of Inorganic Biochemistry, 2005, 99, 1306-1313.	3.5	21
65	Astrocytic CCAAT/Enhancer-Binding Protein Delta Contributes to Glial Scar Formation and Impairs Functional Recovery After Spinal Cord Injury. Molecular Neurobiology, 2016, 53, 5912-5927.	4.0	21
66	Silencing of argininosuccinate lyase inhibits colorectal cancer formation. Oncology Reports, 2017, 37, 163-170.	2.6	21
67	The effects of glucocorticoid hormone on the expression of c-jun. FEBS Letters, 1991, 280, 134-136.	2.8	20
68	Inhibitor of Heat-shock Protein 90 Enhances the Antitumor Effect of DNA Vaccine Targeting Clients of Heat-shock Protein. Molecular Therapy, 2007, 15, 404-410.	8.2	20
69	Structures of human MST3 kinase in complex with adenine, ADP and Mn²⁺. Acta Crystallographica Section D: Biological Crystallography, 2010, 66, 145-154.	2.5	20
70	Autologous neu DNA vaccine can be as effective as xenogenic neu DNA vaccine by altering administration route. Vaccine, 2007, 25, 719-728.	3.8	19
71	The effects of DNA formulation and administration route on cancer therapeutic efficacy with xenogenic EGFR DNA vaccine in a lung cancer animal model. Genetic Vaccines and Therapy, 2009, 7, 2.	1.5	19
72	Membrane bile acid receptor TGR5 predicts good prognosis in ampullary adenocarcinoma patients with hyperbilirubinemia. Oncology Reports, 2016, 36, 1997-2008.	2.6	19

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73	Gene signatures and potential therapeutic targets of Middle East respiratory syndrome coronavirus (MERS-CoV)-infected human lung adenocarcinoma epithelial cells. Journal of Microbiology, Immunology and Infection, 2021, 54, 845-857.	3.1	17
74	Optimization protein productivity of human interleukin-2 through codon usage, gene copy number and intracellular tRNA concentration in CHO cells. Biochemical and Biophysical Research Communications, 2014, 454, 347-352.	2.1	16
75	PODXL2 maintains cellular stemness and promotes breast cancer development through the Rac1/Akt pathway. International Journal of Medical Sciences, 2020, 17, 1639-1651.	2.5	16
76	The Inducible Lactose Operator-Repressor System Is Functional in the Whole Animal. DNA and Cell Biology, 1997, 16, 17-22.	1.9	15
77	Dual role of CD44 isoforms in ampullary adenocarcinoma: CD44s predicts poor prognosis in early cancer and CD44Î½ is an indicator for recurrence in advanced cancer. BMC Cancer, 2015, 15, 903.	2.6	15
78	Establishment of an orthotopic transplantable gastric cancer animal model for studying the immunological effects of new cancer therapeutic modules. Molecular Carcinogenesis, 2011, 50, 739-750.	2.7	13
79	Determination of dextromethorphan metabolic phenotype by salivary analysis with a reference to genotype in Chinese patients receiving renal hemodialysis*. Clinical Pharmacology and Therapeutics, 1996, 59, 411-417.	4.7	12
80	Toll-like receptor 4 plays an anti-HBV role in a murine model of acute hepatitis B virus expression. World Journal of Gastroenterology, 2005, 11, 6631.	3.3	12
81	Endovascular biopsy: Strategy for analyzing gene expression profiles of individual endothelial cells obtained from human vessels. Biotechnology Reports (Amsterdam, Netherlands), 2015, 7, 157-165.	4.4	11
82	Cancer-Derived Transforming Growth Factor-Î² Modulates Tumor-Associated Macrophages in Ampullary Cancer . OncoTargets and Therapy, 2020, Volume 13, 7503-7516.	2.0	11
83	Overexpressed gene signature of EPH receptor A/B family in cancer patients-comprehensive analyses from the public high-throughput database. International Journal of Clinical and Experimental Pathology, 2020, 13, 1220-1242.	0.5	11
84	R296C and other CYP2D6 mutations in Chinese. Pharmacogenetics and Genomics, 1995, 5, 385-388.	5.7	10
85	Estrogen Stimulates Expression of p21^{Waf1/Cip1} in Mouse Uterine Luminal Epithelium. Endocrine, 2002, 17, 233-240.	2.2	10
86	Nestin predicts a favorable prognosis in early ampullary adenocarcinoma and functions as a promoter of metastasis in advanced cancer. Oncology Reports, 2015, 33, 40-48.	2.6	9
87	Skin Delivery of Clec4a Small Hairpin RNA Elicited an Effective Antitumor Response by Enhancing CD8 + Immunity InÂVivo. Molecular Therapy - Nucleic Acids, 2017, 9, 419-427.	5.1	9
88	Hepatitis B virus surface antigen interacts with acid alphaâ€glucosidase and alters glycogen metabolism. Hepatology Research, 2010, 40, 633-640.	3.4	7
89	Phosphorylated and hypoacetylated mutant p53 enhances cisplatin-induced apoptosis through caspase-9 pathway in the absence of transcriptional activation or translation. International Journal of Molecular Medicine, 2005, 15, 725-34.	4.0	7
90	Biolistic DNA Delivery to Mice with the Low Pressure Gene Gun. Methods in Molecular Biology, 2013, 940, 169-174.	0.9	4

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91	The Opposing Effects of Lipopolysaccharide on the Antitumor Therapeutic Efficacy of DNA Vaccine. DNA and Cell Biology, 2008, 27, 151-157.	1.9	3
92	Cancer Immunotherapy: Silencing Intracellular Negative Immune Regulators of Dendritic Cells. Cancers, 2019, 11, 108.	3.7	3
93	The oncogenic role of MST3 in human gastric cancer. American Journal of Cancer Research, 2018, 8, 2130-2139.	1.4	1
94	Modulating tumor immune microenvironment by the STK11/LKB1 signaling in breast cancer.. Journal of Clinical Oncology, 2020, 38, e15185-e15185.	1.6	0
95	Semaphorin 4C promotes motility and immunosuppressive activity of cancer cells via CRMP3 and PD-L1.. American Journal of Cancer Research, 2022, 12, 713-728.	1.4	0