Ling-Zhi Liu

List of Publications by Year
in descending order

72 papers	6,798 citations	71102 41 h-index	85541 71 g-index
72 all docs	72 docs citations	72 times ranked	10737 citing authors

#	Article	IF	Citations
1	Chapter 2 PI3K/PTEN Signaling in Angiogenesis and Tumorigenesis. Advances in Cancer Research, 2009, 102, 19-65.	5.0	469
2	Reactive Oxygen Species Regulate Angiogenesis and Tumor Growth through Vascular Endothelial Growth Factor. Cancer Research, 2007, 67, 10823-10830.	0.9	433
3	MiR-21 Induced Angiogenesis through AKT and ERK Activation and HIF-1Î± Expression. PLoS ONE, 2011, 6, e19139.	2.5	408
4	Analysis of MiR-195 and MiR-497 Expression, Regulation and Role in Breast Cancer. Clinical Cancer Research, 2011, 17, 1722-1730.	7.0	293
5	MiR-145 directly targets p70S6K1 in cancer cells to inhibit tumor growth and angiogenesis. Nucleic Acids Research, 2012, 40, 761-774.	14.5	287
6	PI3K/PTEN signaling in tumorigenesis and angiogenesis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 150-158.	2.3	282
7	A regulatory circuit of miR-148a/152 and DNMT1 in modulating cell transformation and tumor angiogenesis through IGF-IR and IRS1. Journal of Molecular Cell Biology, 2013, 5, 3-13.	3.3	242
8	Role of mTOR in anticancer drug resistance: Perspectives for improved drug treatment. Drug Resistance Updates, 2008, 11, 63-76.	14.4	215
9	Reactive oxygen species regulate epidermal growth factor-induced vascular endothelial growth factor and hypoxia-inducible factor-1Î± expression through activation of AKT and P70S6K1 in human ovarian cancer cells. Free Radical Biology and Medicine, 2006, 41, 1521-1533.	2.9	202
10	Apigenin inhibits tumor angiogenesis through decreasing HIF-1Â and VEGF expression. Carcinogenesis, 2006, 28, 858-864.	2.8	193
11	PI3K/PTEN/AKT signaling regulates prostate tumor angiogenesis. Cellular Signalling, 2007, 19, 2487-2497.	3.6	182
12	Cadmium Increases HIF-1 and VEGF Expression through ROS, ERK, and AKT Signaling Pathways and Induces Malignant Transformation of Human Bronchial Epithelial Cells. Toxicological Sciences, 2012, 125, 10-19.	3.1	182
13	Apigenin Inhibits Expression of Vascular Endothelial Growth Factor and Angiogenesis in Human Lung Cancer Cells: Implication of Chemoprevention of Lung Cancer. Molecular Pharmacology, 2005, 68, 635-643.	2.3	177
14	AKT1 Amplification Regulates Cisplatin Resistance in Human Lung Cancer Cells through the Mammalian Target of Rapamycin/p70S6K1 Pathway. Cancer Research, 2007, 67, 6325-6332.	0.9	176
15	AKT Signaling in Regulating Angiogenesis. Current Cancer Drug Targets, 2008, 8, 19-26.	1.6	163
16	MicroRNA-143 inhibits tumor growth and angiogenesis and sensitizes chemosensitivity to oxaliplatin in colorectal cancers. Cell Cycle, 2013, 12, 1385-1394.	2.6	143
17	Downregulation of ATG14 by EGR1-MIR152 sensitizes ovarian cancer cells to cisplatin-induced apoptosis by inhibiting cyto-protective autophagy. Autophagy, 2015, 11, 373-384.	9.1	138
18	MiR-128 Inhibits Tumor Growth and Angiogenesis by Targeting p70S6K1. PLoS ONE, 2012, 7, e32709.	2.5	137

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19	MiR-145 inhibits tumor angiogenesis and growth by N-RAS and VEGF. Cell Cycle, 2012, 11, 2137-2145.	2.6	125
20	MiR-143 acts as a tumor suppressor by targeting N-RAS and enhances temozolomide-induced apoptosis in glioma. Oncotarget, 2014, 5, 5416-5427.	1.8	125
21	Reactive oxygen species regulate ERBB2 and ERBB3 expression via miRâ€199a/125b and DNA methylation. EMBO Reports, 2012, 13, 1116-1122.	4.5	122
22	MiR-124 governs glioma growth and angiogenesis and enhances chemosensitivity by targeting R-Ras and N-Ras. Neuro-Oncology, 2014, 16, 1341-1353.	1.2	120
23	A KLF4â€“miRNA-206 Autoregulatory Feedback Loop Can Promote or Inhibit Protein Translation Depending upon Cell Context. Molecular and Cellular Biology, 2011, 31, 2513-2527.	2.3	102
24	Roles and Mechanism of miR-199a and miR-125b in Tumor Angiogenesis. PLoS ONE, 2013, 8, e56647.	2.5	102
25	Chronic Arsenic Exposure and Angiogenesis in Human Bronchial Epithelial Cells via the ROS/miR-199a-5p/HIF-1 Î± /COX-2 Pathway. Environmental Health Perspectives, 2014, 122, 255-261.	6.0	96
26	Regulation of survivin by PI3K/Akt/p70S6K1 pathway. Biochemical and Biophysical Research Communications, 2010, 395, 219-224.	2.1	89
27	Reactive oxygen species regulate insulin-induced VEGF and HIF-1Â expression through the activation of p70S6K1 in human prostate cancer cells. Carcinogenesis, 2007, 28, 28-37.	2.8	88
28	Obesity-associated inflammation promotes angiogenesis and breast cancer via angiopoietin-like 4. Oncogene, 2019, 38, 2351-2363.	5.9	83
29	Downregulation of miR-145 associated with cancer progression and VEGF transcriptional activation by targeting N-RAS and IRS1. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2013, 1829, 239-247.	1.9	81
30	Insulin-like growth factor-I induces cyclooxygenase-2 expression via PI3K, MAPK and PKC signaling pathways in human ovarian cancer cellsâ˜†. Cellular Signalling, 2007, 19, 1542-1553.	3.6	76
31	Hypoxia-mediated mitochondria apoptosis inhibition induces temozolomide treatment resistance through miR-26a/Bad/Bax axis. Cell Death and Disease, 2018, 9, 1128.	6.3	74
32	Repression of miR-143 Mediates Cr (VI)â€Induced Tumor Angiogenesis via IGF-IR/IRS1/ERK/IL-8 Pathway. Toxicological Sciences, 2013, 134, 26-38.	3.1	73
33	Estrogen-induced miR-196a elevation promotes tumor growth and metastasis via targeting SPRED1 in breast cancer. Molecular Cancer, 2018, 17, 83.	19.2	70
34	Arsenite induces cell transformation by reactive oxygen species, AKT, ERK1/2, and p70S6K1. Biochemical and Biophysical Research Communications, 2011, 414, 533-538.	2.1	63
35	Role and Mechanism of Arsenic in Regulating Angiogenesis. PLoS ONE, 2011, 6, e20858.	2.5	62
36	P70S6K 1 regulation of angiogenesis through VEGF and HIF-1Î± expression. Biochemical and Biophysical Research Communications, 2010, 398, 395-399.	2.1	55

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37	Micro<scp>RNA</scp>â€26a Promotes Tumor Growth and Angiogenesis in Glioma by Directly Targeting Prohibitin. CNS Neuroscience and Therapeutics, 2013, 19, 804-812.	3.9	55
38	Acacetin inhibits VEGF expression, tumor angiogenesis and growth through AKT/HIF-1Î± pathway. Biochemical and Biophysical Research Communications, 2011, 413, 299-305.	2.1	46
39	Oral Administration of Apigenin Inhibits Metastasis through AKT/P70S6K1/MMP-9 Pathway in Orthotopic Ovarian Tumor Model. International Journal of Molecular Sciences, 2012, 13, 7271-7282.	4.1	46
40	MicroRNA-497 inhibits tumor growth and increases chemosensitivity to 5-fluorouracil treatment by targeting KSR1. Oncotarget, 2016, 7, 2660-2671.	1.8	45
41	Endothelial p70 S6 Kinase 1 in Regulating Tumor Angiogenesis. Cancer Research, 2008, 68, 8183-8188.	0.9	43
42	Estrogen regulates miRNA expression: implication of estrogen receptor and miR-124/AKT2 in tumor growth and angiogenesis. Oncotarget, 2016, 7, 36940-36955.	1.8	41
43	NADPH oxidase subunit p22 phox -mediated reactive oxygen species contribute to angiogenesis and tumor growth through AKT and ERK1/2 signaling pathways in prostate cancer. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3375-3385.	4.1	39
44	GSK-3Î² regulates tumor growth and angiogenesis in human glioma cells. Oncotarget, 2015, 6, 31901-31915.	1.8	38
45	Insulin Promotes Glucose Consumption via Regulation of miR-99a/mTOR/PKM2 Pathway. PLoS ONE, 2013, 8, e64924.	2.5	38
46	Apigenin Inhibits IL-6 Transcription and Suppresses Esophageal Carcinogenesis. Frontiers in Pharmacology, 2019, 10, 1002.	3.5	35
47	Insulin Regulates Glucose Consumption and Lactate Production through Reactive Oxygen Species and Pyruvate Kinase M2. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-10.	4.0	33
48	Tungsten Carbide-Cobalt Nanoparticles Induce Reactive Oxygen Species, AKT, ERK, AP-1, NF-ÎºB, VEGF, and Angiogenesis. Biological Trace Element Research, 2015, 166, 57-65.	3.5	31
49	IGF-1-mediated PKM2/Î²-catenin/miR-152 regulatory circuit in breast cancer. Scientific Reports, 2017, 7, 15897.	3.3	31
50	Suppression of miR-143 contributes to overexpression of IL-6, HIF-1Î± and NF-ÎºB p65 in Cr(VI)-induced human exposure and tumor growth. Toxicology and Applied Pharmacology, 2019, 378, 114603.	2.8	25
51	Role and mechanism of miR-222 in arsenic-transformed cells for inducing tumor growth. Oncotarget, 2016, 7, 17805-17814.	1.8	25
52	Benzo[a]pyrene-3,6-dione inhibited VEGF expression through inducing HIF-1Î± degradation. Biochemical and Biophysical Research Communications, 2007, 357, 517-523.	2.1	24
53	Insulin-like growth factor-I induces chemoresistence to docetaxel by inhibiting miR-143 in human prostate cancer. Oncotarget, 2017, 8, 107157-107166.	1.8	24
54	Arsenic exposure-related hyperglycemia is linked to insulin resistance with concomitant reduction of skeletal muscle mass. Environment International, 2020, 143, 105890.	10.0	24

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55	Deficiency of Mkrn2 causes abnormal spermiogenesis and spermiation, and impairs male fertility. Scientific Reports, 2016, 6, 39318.	3.3	21
56	MiRNA-145 increases therapeutic sensibility to gemcitabine treatment of pancreatic adenocarcinoma cells. Oncotarget, 2016, 7, 70857-70868.	1.8	21
57	MiR-199a Inhibits Tumor Growth and Attenuates Chemoresistance by Targeting K-RAS via AKT and ERK Signalings. Frontiers in Oncology, 2019, 9, 1071.	2.8	19
58	Arsenic-induced metabolic shift triggered by the loss of miR-199a-5p through Sp1-dependent DNA methylation. Toxicology and Applied Pharmacology, 2019, 378, 114606.	2.8	18
59	TBX15/miR-152/KIF2C pathway regulates breast cancer doxorubicin resistance via promoting PKM2 ubiquitination. Cancer Cell International, 2021, 21, 542.	4.1	18
60	Mechanism of vascular endothelial growth factor expression mediated by cisplatin in human ovarian cancer cells. Biochemical and Biophysical Research Communications, 2007, 358, 92-98.	2.1	17
61	NOX4 Signaling Mediates Cancer Development and Therapeutic Resistance through HER3 in Ovarian Cancer Cells. Cells, 2021, 10, 1647.	4.1	16
62	Dysregulation of microRNAs in metal-induced angiogenesis and carcinogenesis. Seminars in Cancer Biology, 2021, 76, 279-286.	9.6	15
63	Redox sensitive miR-27a/b/Nrf2 signaling in Cr(VI)-induced carcinogenesis. Science of the Total Environment, 2022, 809, 151118.	8.0	15
64	ROS and miRNA Dysregulation in Ovarian Cancer Development, Angiogenesis and Therapeutic Resistance. International Journal of Molecular Sciences, 2022, 23, 6702.	4.1	15
65	Label-free and sensitive detection of RNA demethylase FTO with primer generation rolling circle amplification. Chemical Communications, 2022, 58, 1565-1568.	4.1	12
66	Epigenetic alterations of CXCL5 in Cr(VI)-induced carcinogenesis. Science of the Total Environment, 2022, 838, 155713.	8.0	10
67	Regulation of MicroRNA-497-Targeting AKT2 Influences Tumor Growth and Chemoresistance to Cisplatin in Lung Cancer. Frontiers in Cell and Developmental Biology, 2020, 8, 840.	3.7	9
68	MiRNA-30e downregulation increases cancer cell proliferation, invasion and tumor growth through targeting RPS6KB1. Aging, 2021, 13, 24037-24049.	3.1	9
69	Human endothelial cells promote arsenic-transformed lung epithelial cells to induce tumor growth and angiogenesis through interleukin-8 induction. Aging, 2022, 14, 2113-2130.	3.1	6
70	A novel role for 3, 4-dichloropropionanilide (DCPA) in the inhibition of prostate cancer cell migration, proliferation, and hypoxia-inducible factor 1alpha expression. BMC Cancer, 2006, 6, 204.	2.6	5
71	Bsu polymerase-mediated fluorescence coding for rapid and sensitive detection of 8-oxo-7,8-dihydroguanine in telomeres of cancer cells. Talanta, 2022, 243, 123340.	5.5	1
72	Cadmium regulates angiogenesis through AKT, ERK1/2, and HIFâ€1 pathways in human lung epithelial cells. FASEB Journal, 2011, 25, .	0.5	0