

Zhuoyu Li

List of Publications by Year in descending order

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90
papers

2,667
citations

172457

29
h-index

223800

46
g-index

90
all docs

90
docs citations

90
times ranked

4293
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole grain cereals: the potential roles of functional components in human health. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8388-8402.	10.3	23
2	Peroxidase from foxtail millet bran exerts anti-colorectal cancer activity via targeting cell-surface GRP78 to inactivate STAT3 pathway. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 1254-1270.	12.0	4
3	Bowman-Birk Major Type Trypsin Inhibitor Derived from Foxtail Millet Bran Attenuate Atherosclerosis via Remodeling Gut Microbiota in ApoE ^{-/-} Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 507-519.	5.2	8
4	Molecularly engineered tumor acidity-responsive plant toxin gelonin for safe and efficient cancer therapy. <i>Bioactive Materials</i> , 2022, 18, 42-55.	15.6	7
5	Cucurbitacin E Triggers Cellular Senescence in Colon Cancer Cells via Regulating the miR-371b-5p/TFAP4 Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2936-2947.	5.2	7
6	Kaempferol Can Reverse the 5-Fu Resistance of Colorectal Cancer Cells by Inhibiting PKM2-Mediated Glycolysis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3544.	4.1	35
7	Rutin ameliorates the promotion effect of fine particulate matter on vascular calcification in calcifying vascular cells and ApoE ^{-/-} mice. <i>Ecotoxicology and Environmental Safety</i> , 2022, 234, 113410.	6.0	2
8	Avenanthramide C induces cellular senescence in colorectal cancer cells via suppressing β -catenin-mediated the transcription of miR-183/96/182 cluster. <i>Biochemical Pharmacology</i> , 2022, 199, 115021.	4.4	5
9	Inhibitory effect of bound polyphenol from foxtail millet bran on miR-149 methylation increases the chemosensitivity of human colorectal cancer HCT-8/Fu cells. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 513-523.	3.1	12
10	Polyphenol from millet bran increases the sensitivity of colorectal cancer cells to oxaliplatin by blocking the ganglioside GM3 catabolism. <i>Food and Function</i> , 2021, 12, 291-301.	4.6	12
11	Different co-culture models reveal the pivotal role of TBBPA-promoted M2 macrophage polarization in the deterioration of endometrial cancer. <i>Journal of Hazardous Materials</i> , 2021, 413, 125337.	12.4	13
12	The mechanisms of PM2.5 and its main components penetrate into HUVEC cells and effects on cell organelles. <i>Chemosphere</i> , 2020, 241, 125127.	8.2	46
13	Dichlorodiphenyltrichloroethane promotes aerobic glycolysis via reactive oxygen species-mediated extracellular signal-regulated kinase/M2 isoform of pyruvate kinase (PKM2) signaling in colorectal cancer cells. <i>Environmental Toxicology</i> , 2020, 35, 333-345.	4.0	8
14	Inhibitory Effects of Peroxidase from Foxtail Millet Bran on Colitis-Associated Colorectal Carcinogenesis by the Blockage of Glycerophospholipid Metabolism. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8295-8307.	5.2	21
15	Cucurbitacin E Chemosensitizes Colorectal Cancer Cells via Mitigating TFAP4/Wnt/ β -Catenin Signaling. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14148-14160.	5.2	23
16	A novel miR-206/hnRNPA1/PKM2 axis reshapes the Warburg effect to suppress colon cancer growth. <i>Biochemical and Biophysical Research Communications</i> , 2020, 531, 465-471.	2.1	30
17	Identification of polyphenol from <i>Ziziphi spinosae</i> semen against human colon cancer cells and colitis-associated colorectal cancer in mice. <i>Food and Function</i> , 2020, 11, 8259-8272.	4.6	5
18	Inhibitory Effects of Bound Polyphenol from Foxtail Millet Bran on Colitis-Associated Carcinogenesis by the Restoration of Gut Microbiota in a Mice Model. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 3506-3517.	5.2	30

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19	Integration of Polylactide into Polyethylenimine Facilitates the Safe and Effective Intracellular siRNA Delivery. <i>Polymers</i> , 2020, 12, 445.	4.5	7
20	TBBPA regulates calcium-mediated lysosomal exocytosis and thereby promotes invasion and migration in hepatocellular carcinoma. <i>Ecotoxicology and Environmental Safety</i> , 2020, 192, 110255.	6.0	19
21	Avenanthramide A triggers potent ROS-mediated anti-tumor effects in colorectal cancer by directly targeting DDX3. <i>Cell Death and Disease</i> , 2019, 10, 593.	6.3	31
22	2,3,4,5-Pentachlorobiphenyl induces hepatocellular carcinoma cell proliferation through pyruvate kinase M2-dependent glycolysis. <i>Toxicology Letters</i> , 2019, 313, 108-119.	0.8	22
23	The potential immunotoxicity of fine particulate matter based on SD rat spleen. <i>Environmental Science and Pollution Research</i> , 2019, 26, 23958-23966.	5.3	12
24	Avenanthramide A Induces Cellular Senescence via miR-129-3p/Pirh2/p53 Signaling Pathway To Suppress Colon Cancer Growth. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4808-4816.	5.2	41
25	Polychlorinated biphenyls promote cell survival through pyruvate kinase M2-dependent glycolysis in HeLa cells. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 428-437.	2.7	8
26	Cloning, expression of the truncation of recombinant peroxidase derived from millet bran and its reversal effects on 5-Fu resistance in colorectal cancer. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 871-879.	7.5	5
27	Tumor-secreted GRP78 facilitates the migration of macrophages into tumors by promoting cytoskeleton remodeling. <i>Cellular Signalling</i> , 2019, 60, 1-16.	3.6	21
28	Exposure to ambient fine particles causes abnormal energy metabolism and ATP decrease in lung tissues. <i>Chemosphere</i> , 2019, 224, 29-38.	8.2	24
29	($\hat{\sim}$)-Epigallocatechin Gallate (EGCG) Enhances the Sensitivity of Colorectal Cancer Cells to 5-FU by Inhibiting GRP78/NF- $\hat{\imath}$ B/miR-155-5p/MDR1 Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2510-2518.	5.2	100
30	Pyruvate kinase M2: A multifarious enzyme in non-canonical localization to promote cancer progression. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019, 1871, 331-341.	7.4	56
31	Fine particles cause the abnormality of cardiac ATP levels via PPAR $\hat{\epsilon}$ -mediated utilization of fatty acid and glucose using in vivo and in vitro models. <i>Environmental Pollution</i> , 2019, 249, 286-294.	7.5	17
32	Macrophage Colony-stimulating Factor Mediates the Recruitment of Macrophages in Triple negative Breast Cancer. <i>International Journal of Biological Sciences</i> , 2019, 15, 2859-2871.	6.4	20
33	MicroRNA-378 promotes hepatic inflammation and fibrosis via modulation of the NF- $\hat{\imath}$ B-TNF $\hat{\alpha}$ pathway. <i>Journal of Hepatology</i> , 2019, 70, 87-96.	3.7	129
34	Salvianolic acid A inhibits tumor-associated angiogenesis by blocking GRP78 secretion. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2019, 392, 467-480.	3.0	11
35	High-yield expression in <i>Escherichia coli</i> , biophysical characterization, and biological evaluation of plant toxin gelonin. <i>3 Biotech</i> , 2019, 9, 19.	2.2	6
36	Toxicological effects of bisphenol A exposure-induced cancer cells migration via activating directly integrin I $\hat{2}$ 1. <i>Chemosphere</i> , 2019, 220, 783-792.	8.2	16

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37	LXR β Promotes Hepatosteatosis in Part Through Activation of MicroRNA-378 Transcription and Inhibition of Pparg1 β Expression. <i>Hepatology</i> , 2019, 69, 1488-1503.	7.3	27
38	A Novel Doxorubicin Prodrug with GRP78 Recognition and Nucleus-Targeting Ability for Safe and Effective Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2018, 15, 238-246.	4.6	15
39	Tannic acid directly targets pyruvate kinase isoenzyme M2 to attenuate colon cancer cell proliferation. <i>Food and Function</i> , 2018, 9, 5547-5559.	4.6	39
40	Migration inhibition of water stress proteins from <i>Nostoc commune</i> Vauch. via activation of autophagy in DLD-1 cells. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 669-676.	7.5	13
41	Ajuba receptor mediates the internalization of tumor-secreted GRP78 into macrophages through different endocytosis pathways. <i>Oncotarget</i> , 2018, 9, 15464-15479.	1.8	15
42	Never deem lightly the "less harmful" low-molecular-weight PAH, NPAH, and OPAH " Disturbance of the immune response at real environmental levels. <i>Chemosphere</i> , 2017, 168, 568-577.	8.2	21
43	GRP78 plays an integral role in tumor cell inflammation-related migration induced by M2 macrophages. <i>Cellular Signalling</i> , 2017, 37, 136-148.	3.6	14
44	Molecular mechanisms of 3,3',4,4',5-pentachlorobiphenyl-induced epithelial-mesenchymal transition in human hepatocellular carcinoma cells. <i>Toxicology and Applied Pharmacology</i> , 2017, 322, 75-88.	2.8	20
45	MicroRNA-206 prevents hepatosteatosis and hyperglycemia by facilitating insulin signaling and impairing lipogenesis. <i>Journal of Hepatology</i> , 2017, 66, 816-824.	3.7	75
46	A positive feedback loop between GRP78 and VPS34 is critical for GRP78-mediated autophagy in cancer cells. <i>Experimental Cell Research</i> , 2017, 351, 24-35.	2.6	12
47	Suppression of progesterone synthesis in human trophoblast cells by fine particulate matter primarily derived from industry. <i>Environmental Pollution</i> , 2017, 231, 1172-1180.	7.5	16
48	The reproductive toxicology of male SD rats after PM2.5 exposure mediated by the stimulation of endoplasmic reticulum stress. <i>Chemosphere</i> , 2017, 189, 547-555.	8.2	52
49	Tanshinone IIA Sodium sulfonate regulates antioxidant system, inflammation, and endothelial dysfunction in atherosclerosis by downregulation of CLIC1. <i>European Journal of Pharmacology</i> , 2017, 815, 427-436.	3.5	65
50	Apigenin Restrains Colon Cancer Cell Proliferation via Targeted Blocking of Pyruvate Kinase M2-Dependent Glycolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8136-8144.	5.2	63
51	MicroRNA-206 prevents the pathogenesis of hepatocellular carcinoma by modulating expression of met proto-oncogene and cyclin-dependent kinase 6 in mice. <i>Hepatology</i> , 2017, 66, 1952-1967.	7.3	65
52	Particulate matter exposure induces the autophagy of macrophages via oxidative stress-mediated PI3K/AKT/mTOR pathway. <i>Chemosphere</i> , 2017, 167, 444-453.	8.2	91
53	Berberine Inhibited the Proliferation of Cancer Cells by Suppressing the Activity of Tumor Pyruvate Kinase M2. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	4
54	Anti-inflammatory effects of millet bran derived-bound polyphenols in LPS-induced HT-29 cell via ROS/miR-149/Akt/NF- κ B signaling pathway. <i>Oncotarget</i> , 2017, 8, 74582-74594.	1.8	48

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55	Berberine-induced autophagic cell death by elevating GRP78 levels in cancer cells. <i>Oncotarget</i> , 2017, 8, 20909-20924.	1.8	57
56	Dichlorodiphenyldichloroethylene exposure reduces r-GCS via suppressed Nrf2 in HepG2 cells. <i>Environmental Toxicology</i> , 2016, 31, 350-359.	4.0	11
57	Acetylation modification regulates GRP78 secretion in colon cancer cells. <i>Scientific Reports</i> , 2016, 6, 30406.	3.3	60
58	Resveratrol Induces Cancer Cell Apoptosis through MiR-326/PKM2-Mediated ER Stress and Mitochondrial Fission. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9356-9367.	5.2	68
59	Migration Suppression of Small Cell Lung Cancer by Polysaccharides from <i>Nostoc commune</i> Vaucher. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6277-6285.	5.2	15
60	Design, purification and assessment of GRP78 binding peptide-linked Subunit A of Subtilase cytotoxic for targeting cancer cells. <i>BMC Biotechnology</i> , 2016, 16, 65.	3.3	12
61	Analysis of metabolomic profiling alterations in a mouse model of colitis-associated cancer and 2-deoxy-D-glucose treatment. <i>RSC Advances</i> , 2016, 6, 58862-58870.	3.6	7
62	Oxidative stress-related DNA damage and homologous recombination repairing induced by N,N-dimethylformamide. <i>Journal of Applied Toxicology</i> , 2016, 36, 936-945.	2.8	24
63	Bisphenol a exposure promotes the migration of NCM460 cells via estrogen receptor-mediated integrin β 1/MMP-9 pathway. <i>Environmental Toxicology</i> , 2016, 31, 799-807.	4.0	19
64	A metabolomic study of fipronil for the anxiety-like behavior in zebrafish larvae at environmentally relevant levels. <i>Environmental Pollution</i> , 2016, 211, 252-258.	7.5	52
65	A serine protease extracted from <i>Trichosanthes kirilowii</i> induces apoptosis via the PI3K/AKT-mediated mitochondrial pathway in human colorectal adenocarcinoma cells. <i>Food and Function</i> , 2016, 7, 843-854.	4.6	24
66	Amelioration of particulate matter-induced oxidative damage by vitamin c and quercetin in human bronchial epithelial cells. <i>Chemosphere</i> , 2016, 144, 459-466.	8.2	69
67	Overexpression of PKM2 promotes mitochondrial fusion through attenuated p53 stability. <i>Oncotarget</i> , 2016, 7, 78069-78082.	1.8	34
68	Enantioselective Phytotoxicity and the Relative Mechanism of Current Chiral Herbicides. <i>Current Protein and Peptide Science</i> , 2016, 18, 15-21.	1.4	10
69	MiR-106b-mediated Mfn2 suppression is critical for PKM2 induced mitochondrial fusion. <i>American Journal of Cancer Research</i> , 2016, 6, 2221-2234.	1.4	9
70	p,p'-Dichlorodiphenyltrichloroethane inhibits the apoptosis of colorectal adenocarcinoma DLD1 cells through PI3K/AKT and Hedgehog/Gli1 signaling pathways. <i>Toxicology Research</i> , 2015, 4, 1214-1224.	2.1	2
71	Secreted pyruvate kinase M2 facilitates cell migration via PI3K/Akt and Wnt/ β -catenin pathway in colon cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 327-332.	2.1	39
72	GRP78 is implicated in the modulation of tumor aerobic glycolysis by promoting autophagic degradation of IKK β . <i>Cellular Signalling</i> , 2015, 27, 1237-1245.	3.6	28

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73	Pyruvate kinase M2 accelerates pro-inflammatory cytokine secretion and cell proliferation induced by lipopolysaccharide in colorectal cancer. <i>Cellular Signalling</i> , 2015, 27, 1525-1532.	3.6	68
74	Expression, purification and renaturation of truncated human integrin $\beta 1$ from inclusion bodies of <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2015, 107, 13-19.	1.3	14
75	Pluronic F127 as a drug vehicle used in chick embryo chorioallantoic membrane shell-less model. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2015, 28, 1997-9.	0.2	0
76	Reconstructed mung bean trypsin inhibitor targeting cell surface GRP78 induces apoptosis and inhibits tumor growth in colorectal cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 47, 68-75.	2.8	31
77	Pyruvate kinase M2 facilitates colon cancer cell migration via the modulation of STAT3 signalling. <i>Cellular Signalling</i> , 2014, 26, 1853-1862.	3.6	112
78	A novel protein extracted from foxtail millet bran displays anti-carcinogenic effects in human colon cancer cells. <i>Toxicology Letters</i> , 2014, 227, 129-138.	0.8	55
79	The multifaceted regulation and functions of PKM2 in tumor progression. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2014, 1846, 285-296.	7.4	85
80	The organochlorine p,p'-dichlorodiphenyltrichloroethane induces colorectal cancer growth through Wnt/ β -catenin signaling. <i>Toxicology Letters</i> , 2014, 229, 284-291.	0.8	26
81	Direct contacts with colon cancer cells regulate the differentiation of bone marrow mesenchymal stem cells into tumor associated fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 68-73.	2.1	30
82	PKM2 depletion induces the compensation of glutaminolysis through β -catenin/c-Myc pathway in tumor cells. <i>Cellular Signalling</i> , 2014, 26, 2397-2405.	3.6	44
83	N-terminal truncation mutations of adenomatous polyposis coli are associated with primary cilia defects. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 55, 79-86.	2.8	6
84	The evaluation of p,p'-DDT exposure on cell adhesion of hepatocellular carcinoma. <i>Toxicology</i> , 2014, 322, 99-108.	4.2	28
85	p,p'-Dichlorodiphenyldichloroethylene Induces Colorectal Adenocarcinoma Cell Proliferation through Oxidative Stress. <i>PLoS ONE</i> , 2014, 9, e112700.	2.5	26
86	Protective Efficacy of Vitamins C and E on p,p'-DDT-Induced Cytotoxicity via the ROS-Mediated Mitochondrial Pathway and NF- κ B/FasL Pathway. <i>PLoS ONE</i> , 2014, 9, e113257.	2.5	44
87	GRP78 enhances the glutamine metabolism to support cell survival from glucose deficiency by modulating the β -catenin signaling. <i>Oncotarget</i> , 2014, 5, 5369-5380.	1.8	37
88	Glucose regulated protein 78 promotes cell invasion via regulation of uPA production and secretion in colon cancer cells. <i>BMB Reports</i> , 2014, 47, 445-450.	2.4	6
89	Lanthanum Chloride Promoted Proliferation with Enhanced S ϕ phase Entry and Inhibited Potassium Currents of NIH 3T3 Cells. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1411-1416.	4.9	0
90	Truncations of gelonin lead to a reduction in its cytotoxicity. <i>Toxicology</i> , 2007, 231, 129-136.	4.2	24