

# 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  | MicroRNA-378 promotes hepatic inflammation and fibrosis via modulation of the NF- $\kappa$ B-TNF $\alpha$ pathway. <i>Journal of Hepatology</i> , 2019, 70, 87-96.  | 3.7 | 129       |
| 2  | 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       |
| 3  | ( $\alpha$ )-Epigallocatechin Gallate (EGCG) Enhances the Sensitivity of Colorectal Cancer Cells to 5-FU by Inhibiting GRP78/NF- $\kappa$ B/miR-155-5p/MDR1 Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2510-2518. | 5.2 | 100       |
| 4  | 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        |
| 5  | 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        |
| 6  | 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        |
| 7  | 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        |
| 8  | 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        |
| 9  | 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        |
| 10 | 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        |
| 11 | 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        |
| 12 | 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        |
| 13 | Acetylation modification regulates GRP78 secretion in colon cancer cells. <i>Scientific Reports</i> , 2016, 6, 30406.   | 3.3 | 60        |
| 14 | Berberine-induced autophagic cell death by elevating GRP78 levels in cancer cells. <i>Oncotarget</i> , 2017, 8, 20909-20924.  | 1.8 | 57        |
| 15 | 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

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|----|---|-----|-----------|
| 19 | Anti-inflammatory effects of millet bran derived-bound polyphenols in LPS-induced HT-29 cell via ROS/miR-149/Akt/NF- $\kappa$ B signaling pathway. <i>Oncotarget</i> , 2017, 8, 74582-74594.  | 1.8 | 48        |
| 20 | 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        |
| 21 | PKM2 depletion induces the compensation of glutaminolysis through $\beta$ -catenin/c-Myc pathway in tumor cells. <i>Cellular Signalling</i> , 2014, 26, 2397-2405.  | 3.6 | 44        |
| 22 | Protective Efficacy of Vitamins C and E on p,p'-DDT-Induced Cytotoxicity via the ROS-Mediated Mitochondrial Pathway and NF- $\kappa$ B/FasL Pathway. <i>PLoS ONE</i> , 2014, 9, e113257.  | 2.5 | 44        |
| 23 | 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        |
| 24 | Secreted pyruvate kinase M2 facilitates cell migration via PI3K/Akt and Wnt/ $\beta$ -catenin pathway in colon cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 327-332.                       | 2.1 | 39        |
| 25 | 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        |
| 26 | GRP78 enhances the glutamine metabolism to support cell survival from glucose deficiency by modulating the $\beta$ -catenin signaling. <i>Oncotarget</i> , 2014, 5, 5369-5380.  | 1.8 | 37        |
| 27 | 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        |
| 28 | Overexpression of PKM2 promotes mitochondrial fusion through attenuated p53 stability. <i>Oncotarget</i> , 2016, 7, 78069-78082.  | 1.8 | 34        |
| 29 | 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        |
| 30 | 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        |
| 31 | 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        |
| 32 | 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        |
| 33 | 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        |
| 34 | The evaluation of p,p'-DDT exposure on cell adhesion of hepatocellular carcinoma. <i>Toxicology</i> , 2014, 322, 99-108.  | 4.2 | 28        |
| 35 | GRP78 is implicated in the modulation of tumor aerobic glycolysis by promoting autophagic degradation of IKK $\beta$ . <i>Cellular Signalling</i> , 2015, 27, 1237-1245.  | 3.6 | 28        |
| 36 | LXR $\beta$ Promotes Hepatosteatosis in Part Through Activation of MicroRNA-378 Transcription and Inhibition of Ppargc1 $\beta$ Expression. <i>Hepatology</i> , 2019, 69, 1488-1503.  | 7.3 | 27        |

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|----|---|------|-----------|
| 37 | The organochlorine p,p'-dichlorodiphenyltrichloroethane induces colorectal cancer growth through Wnt/ $\beta$ -catenin signaling. <i>Toxicology Letters</i> , 2014, 229, 284-291.   | 0.8  | 26        |
| 38 | p,p'-Dichlorodiphenyldichloroethylene Induces Colorectal Adenocarcinoma Cell Proliferation through Oxidative Stress. <i>PLoS ONE</i> , 2014, 9, e112700.  | 2.5  | 26        |
| 39 | Truncations of gelonin lead to a reduction in its cytotoxicity. <i>Toxicology</i> , 2007, 231, 129-136.   | 4.2  | 24        |
| 40 | 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        |
| 41 | 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        |
| 42 | 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        |
| 43 | Cucurbitacin E Chemosensitizes Colorectal Cancer Cells via Mitigating TFAP4/Wnt/ $\beta$ -Catenin Signaling. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14148-14160.   | 5.2  | 23        |
| 44 | 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        |
| 45 | 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        |
| 46 | 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        |
| 47 | 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        |
| 48 | 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        |
| 49 | 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        |
| 50 | 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        |
| 51 | Bisphenol a exposure promotes the migration of NCM460 cells via estrogen receptor-mediated integrin $\beta$ 1/MMP9 pathway. <i>Environmental Toxicology</i> , 2016, 31, 799-807.  | 4.0  | 19        |
| 52 | 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        |
| 53 | Fine particles cause the abnormality of cardiac ATP levels via PPAR $\delta$ -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        |
| 54 | 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        |

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|----|--|------|-----------|
| 55 | Toxicological effects of bisphenol A exposure-induced cancer cells migration via activating directly integrin $\alpha 5 \beta 1$ . <i>Chemosphere</i> , 2019, 220, 783-792.  | 8.2  | 16        |
| 56 | 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        |
| 57 | 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        |
| 58 | 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        |
| 59 | Expression, purification and renaturation of truncated human integrin $\alpha 5 \beta 1$ from inclusion bodies of <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2015, 107, 13-19.                       | 1.3  | 14        |
| 60 | 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        |
| 61 | 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        |
| 62 | 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        |
| 63 | 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        |
| 64 | 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        |
| 65 | 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        |
| 66 | 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        |
| 67 | 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        |
| 68 | Dichlorodiphenyldichloroethylene exposure reduces r-GCS via suppressed Nrf2 in HepG2 cells. <i>Environmental Toxicology</i> , 2016, 31, 350-359.   | 4.0  | 11        |
| 69 | 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        |
| 70 | Enantioselective Phytotoxicity and the Relative Mechanism of Current Chiral Herbicides. <i>Current Protein and Peptide Science</i> , 2016, 18, 15-21.  | 1.4  | 10        |
| 71 | 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         |
| 72 | 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         |

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|----|--|------|-----------|
| 73 | 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         |
| 74 | Bowman-Birk Major Type Trypsin Inhibitor Derived from Foxtail Millet Bran Attenuate Atherosclerosis via Remodeling Gut Microbiota in ApoE <sup>-/-</sup> Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 507-519.                                  | 5.2  | 8         |
| 75 | Analysis of metabonomic 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         |
| 76 | Integration of Polylactide into Polyethylenimine Facilitates the Safe and Effective Intracellular siRNA Delivery. <i>Polymers</i> , 2020, 12, 445.   | 4.5  | 7         |
| 77 | 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         |
| 78 | 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         |
| 79 | 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         |
| 80 | 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         |
| 81 | 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         |
| 82 | 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         |
| 83 | 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         |
| 84 | Avenanthramide C induces cellular senescence in colorectal cancer cells via suppressing $\beta$ -catenin-mediated the transcription of miR-183/96/182 cluster. <i>Biochemical Pharmacology</i> , 2022, 199, 115021.  | 4.4  | 5         |
| 85 | 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         |
| 86 | 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         |
| 87 | 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         |
| 88 | Rutin ameliorates the promotion effect of fine particulate matter on vascular calcification in calcifying vascular cells and ApoE <sup>-/-</sup> mice. <i>Ecotoxicology and Environmental Safety</i> , 2022, 234, 113410.  | 6.0  | 2         |
| 89 | Lanthanum Chloride Promoted Proliferation with Enhanced S-phase Entry and Inhibited Potassium Currents of NIH 3T3 Cells. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1411-1416.  | 4.9  | 0         |
| 90 | 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         |