Xiaozhuo Chen

List of Publications by Year in descending order

48 papers	2,940 citations	218677 26 h-index	223800 46 g-index
49 all docs	49 docs citations	49 times ranked	4425 citing authors

#	Article	IF	Citations
1	A Small-Molecule Inhibitor of Glucose Transporter 1 Downregulates Glycolysis, Induces Cell-Cycle Arrest, and Inhibits Cancer Cell Growth In Vitro and In Vivo. Molecular Cancer Therapeutics, 2012, 11, 1672-1682.	4.1	439
2	Drug resistance and combating drug resistance in cancer. Cancer Drug Resistance (Alhambra, Calif), 2019, 2, 141-160.	2.1	388
3	Tannic Acid Stimulates Glucose Transport and Inhibits Adipocyte Differentiation in 3T3-L1 Cells. Journal of Nutrition, 2005, 135, 165-171.	2.9	162
4	The Warburg effect: Evolving interpretations of an established concept. Free Radical Biology and Medicine, 2015, 79, 253-263.	2.9	161
5	Antidiabetes and Anti-Obesity Activity ofLagerstroemia speciosa. Evidence-based Complementary and Alternative Medicine, 2007, 4, 401-407.	1.2	151
6	An Extract of Lagerstroemia speciosa L. Has Insulin-Like Glucose Uptakeâ€“Stimulatory and Adipocyte Differentiationâ€“Inhibitory Activities in 3T3-L1 Cells. Journal of Nutrition, 2001, 131, 2242-2247.	2.9	140
7	Extracellular ATP is internalized by macropinocytosis and induces intracellular ATP increase and drug resistance in cancer cells. Cancer Letters, 2014, 351, 242-251.	7.2	118
8	Dipeptide seryl-histidine and related oligopeptides cleave DNA, protein, and a carboxyl ester. Bioorganic and Medicinal Chemistry, 2000, 8, 2675-2680.	3.0	100
9	Active Compounds from Lagerstroemia speciosa, Insulin-like Glucose Uptake-Stimulatory/Inhibitory and Adipocyte Differentiation-Inhibitory Activities in 3T3-L1 Cells. Journal of Agricultural and Food Chemistry, 2008, 56, 11668-11674.	5.2	96
10	Natural anti-diabetic compound 1,2,3,4,6-penta-O-galloyl-d-glucopyranose binds to insulin receptor and activates insulin-mediated glucose transport signaling pathway. Biochemical and Biophysical Research Communications, 2005, 336, 430-437.	2.1	94
11	Extracellular ATP a New Player in Cancer Metabolism: NSCLC Cells Internalize ATP In Vitro and In Vivo Using Multiple Endocytic Mechanisms. Molecular Cancer Research, 2016, 14, 1087-1096.	3.4	81
12	Synthesis and Structureâ^'Activity Relationship Study of Antidiabetic Penta-O-galloyl-d-glucopyranose and Its Analogues. Journal of Medicinal Chemistry, 2006, 49, 2829-2837.	6.4	75
13	Small compound inhibitors of basal glucose transport inhibit cell proliferation and induce apoptosis in cancer cells via glucose-deprivation-like mechanisms. Cancer Letters, 2010, 298, 176-185.	7.2	66
14	Extracellular ATP, as an energy and phosphorylating molecule, induces different types of drug resistances in cancer cells through ATP internalization and intracellular ATP level increase. Oncotarget, 2017, 8, 87860-87877.	1.8	64
15	Extracellular and macropinocytosis internalized ATP work together to induce epithelialâ€“mesenchymal transition and other early metastatic activities in lung cancer. Cancer Cell International, 2019, 19, 254.	4.1	64
16	Transcription regulation of the vegf gene by the BMP/Smad pathway in the angioblast of zebrafish embryos. Biochemical and Biophysical Research Communications, 2005, 329, 324-330.	2.1	60
17	Novel inhibitors of basal glucose transport as potential anticancer agents. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2191-2194.	2.2	57
18	Iridoids from Fraxinus excelsior with Adipocyte Differentiation-Inhibitory and PPARÎ± Activation Activity. Journal of Natural Products, 2010, 73, 2-6.	3.0	55

#	Article	IF	Citations
19	Regulation of G1 Arrest and Apoptosis in Hypoxia by PERK and GCN2-Mediated eIF2Î± Phosphorylation. Neoplasia, 2010, 12, 61-IN6.	5.3	53
20	Cardiac Glycoside Constituents of Streblus asper with Potential Antineoplastic Activity. Journal of Natural Products, 2017, 80, 648-658.	3.0	49
21	Biological and biomedical functions of Penta-O-galloyl-d-glucose and its derivatives. Journal of Natural Medicines, 2014, 68, 465-472.	2.3	43
22	Oxime-based inhibitors of glucose transporter 1 displaying antiproliferative effects in cancer cells. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6923-6927.	2.2	42
23	Constituents of an Extract of Cryptocarya rubra Housed in a Repository with Cytotoxic and Glucose Transport Inhibitory Effects. Journal of Natural Products, 2014, 77, 550-556.	3.0	37
24	Variable Efficiency of the Thymidine Kinase/Ganciclovir System in Human Glioblastoma Cell Lines: Implications for Gene Therapy. Human Gene Therapy, 1997, 8, 1945-1953.	2.7	36
25	A self-initiating eukaryotic transient gene expression system based on cotransfection of bacteriophage T7 RNA polymerase and DNA vectors containing a T7 autogene. Nucleic Acids Research, 1994, 22, 2114-2120.	14.5	31
26	Cancer Gene Therapy by Direct Tumor Injections of a Nonviral T7 Vector Encoding a Thymidine Kinase Gene. Human Gene Therapy, 1998, 9, 729-736.	2.7	26
27	Na⁺/K⁺-ATPase-Targeted Cytotoxicity of (+)-Digoxin and Several Semisynthetic Derivatives. Journal of Natural Products, 2020, 83, 638-648.	3.0	23
28	A small-molecule pan-class I glucose transporter inhibitor reduces cancer cell proliferation in vitro and tumor growth in vivo by targeting glucose-based metabolism. Cancer & Metabolism, 2021, 9, 14.	5.0	22
29	Discovery, Structural Determination and Anticancer Activities of Lactucinlike Guaianolides. Letters in Drug Design and Discovery, 2005, 2, 444-450.	0.7	20
30	Salicylketoximes That Target Glucose Transporterâ€...1 Restrict Energy Supply to Lung Cancer Cells. ChemMedChem, 2015, 10, 1892-1900.	3.2	19
31	Distribution, Bioactivities and Therapeutical Potentials of Pentagalloylglucopyranose. Current Bioactive Compounds, 2007, 3, 81-89.	0.5	18
32	Orally efficacious novel small molecule 6-chloro-6-deoxy-1,2,3,4-tetra-O-galloyl-Î±-d-glucopyranose selectively and potently stimulates insulin receptor and alleviates diabetes. Journal of Molecular Endocrinology, 2013, 51, 15-26.	2.5	18
33	Insulin receptor signaling activated by penta-O-galloyl-Î±-d-glucopyranose induces p53 and apoptosis in cancer cells. Apoptosis: an International Journal on Programmed Cell Death, 2011, 16, 902-913.	4.9	16
34	Synthesis and Antitumor Activity of Ellagic Acid Peracetate. ACS Medicinal Chemistry Letters, 2012, 3, 631-636.	2.8	16
35	Seryl-histidine as an alternative DNA nicking agent in nick translation yields superior DNA probes and hybridizations. Bioorganic and Medicinal Chemistry, 2002, 10, 667-673.	3.0	15
36	Plantâ€derived glucose transport inhibitors with potential antitumor activity. Phytotherapy Research, 2020, 34, 1027-1040.	5.8	15

#	Article	IF	Citations
37	Cytotoxic and non-cytotoxic cardiac glycosides isolated from the combined flowers, leaves, and twigs of Streblus asper. Bioorganic and Medicinal Chemistry, 2020, 28, 115301.	3.0	14
38	A Novel Small Molecule 1,2,3,4,6-penta-O-galloyl-Î±-D-glucopyranose Mimics the Antiplatelet Actions of Insulin. PLoS ONE, 2011, 6, e26238.	2.5	13
39	The anti-diabetic effect of eightLagerstroemia speciosaleaf extracts based on the contents of ellagitannins and ellagic acid derivatives. Food and Function, 2020, 11, 1560-1571.	4.6	10
40	Cancer stem cells, epithelial-mesenchymal transition, ATP and their roles in drug resistance in cancer. , 2021, 4, 684-709.		9
41	Expression of the Na+/Ca2+ Exchanger Ameliorates Ionomycin-Induced Cell Death. Biochemical and Biophysical Research Communications, 2000, 276, 93-96.	2.1	5
42	Novel 1,5-diphenyl-6-substituted 1H-pyrazolo[3,4-d]pyrimidin-4(5H)-ones induced apoptosis in RKO colon cancer cells. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1286-1299.	5.2	5
43	Parameters Influencing the Efficiency of the Thymidine Kinase/Ganciclovir Strategy in Human Glioblastoma Cell Lines. Stereotactic and Functional Neurosurgery, 1997, 68, 252-257.	1.5	3
44	From Transcriptomics, Metabolomics to Functional Studies: Extracellular ATP Induces TGF-Î²-Like Epithelial Mesenchymal Transition in Lung Cancer Cells. Frontiers in Oncology, 0, 12, .	2.8	3
45	Isosteres of ester derived glucose uptake inhibitors. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127406.	2.2	2
46	Natural Compound Î±-PGG and Its Synthetic Derivative 6Cl-TGQ Alter Insulin Secretion: Evidence for Diminishing Glucose Uptake as a Mechanism. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2021, Volume 14, 759-772.	2.4	2
47	Fluorescence Microscopy for ATP Internalization Mediated by Macropinocytosis in Human Tumor Cells and Tumor-xenografted Mice. Journal of Visualized Experiments, 2021, , .	0.3	2
48	Extracellular ATP and Macropinocytosis: Their Interactive and Mutually Supportive Roles in Cell Growth, Drug Resistance, and EMT in Cancer. Sub-Cellular Biochemistry, 2022, 98, 61-83.	2.4	1