

Xiaozhuo Chen

List of Publications by Year in descending order

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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	Extracellular ATP and Macropinocytosis: Their Interactive and Mutually Supportive Roles in Cell Growth, Drug Resistance, and EMT in Cancer. <i>Sub-Cellular Biochemistry</i> , 2022, 98, 61-83.	2.4	1
2	Cancer stem cells, epithelial-mesenchymal transition, ATP and their roles in drug resistance in cancer. <i>Journal of Cellular Biochemistry</i> , 2021, 4, 684-709.		9
3	Natural Compound Î±-PGG and Its Synthetic Derivative 6Cl-TGQ Alter Insulin Secretion: Evidence for Diminishing Glucose Uptake as a Mechanism. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 759-772.	2.4	2
4	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. <i>Cancer & Metabolism</i> , 2021, 9, 14.	5.0	22
5	Fluorescence Microscopy for ATP Internalization Mediated by Macropinocytosis in Human Tumor Cells and Tumor-xenografted Mice. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	2
6	Cytotoxic and non-cytotoxic cardiac glycosides isolated from the combined flowers, leaves, and twigs of <i>Streblus asper</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115301.	3.0	14
7	Plant-derived glucose transport inhibitors with potential antitumor activity. <i>Phytotherapy Research</i> , 2020, 34, 1027-1040.	5.8	15
8	Isosteres of ester derived glucose uptake inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127406.	2.2	2
9	Na ⁺ /K ⁺ -ATPase-Targeted Cytotoxicity of (+)-Digoxin and Several Semisynthetic Derivatives. <i>Journal of Natural Products</i> , 2020, 83, 638-648.	3.0	23
10	The anti-diabetic effect of eight <i>Lagerstroemia speciosa</i> leaf extracts based on the contents of ellagitannins and ellagic acid derivatives. <i>Food and Function</i> , 2020, 11, 1560-1571.	4.6	10
11	Extracellular and macropinocytosis internalized ATP work together to induce epithelialâ€“mesenchymal transition and other early metastatic activities in lung cancer. <i>Cancer Cell International</i> , 2019, 19, 254.	4.1	64
12	Drug resistance and combating drug resistance in cancer. <i>Cancer Drug Resistance (Alhambra, Calif)</i> , 2019, 2, 141-160.	2.1	388
13	Cardiac Glycoside Constituents of <i>Streblus asper</i> with Potential Antineoplastic Activity. <i>Journal of Natural Products</i> , 2017, 80, 648-658.	3.0	49
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. <i>Oncotarget</i> , 2017, 8, 87860-87877.	1.8	64
15	Extracellular ATP a New Player in Cancer Metabolism: NSCLC Cells Internalize ATP <i>In Vitro</i> and <i>In Vivo</i> Using Multiple Endocytic Mechanisms. <i>Molecular Cancer Research</i> , 2016, 14, 1087-1096.	3.4	81
16	Novel 1,5-diphenyl-6-substituted 1H-pyrazolo[3,4- <i>d</i>]pyrimidin-4(5 <i>H</i>)-ones induced apoptosis in RKO colon cancer cells. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1286-1299.	5.2	5
17	Salicylketoximes That Target Glucose Transporterâ€“1 Restrict Energy Supply to Lung Cancer Cells. <i>ChemMedChem</i> , 2015, 10, 1892-1900.	3.2	19
18	The Warburg effect: Evolving interpretations of an established concept. <i>Free Radical Biology and Medicine</i> , 2015, 79, 253-263.	2.9	161

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19	Biological and biomedical functions of Penta-O-galloyl-d-glucose and its derivatives. <i>Journal of Natural Medicines</i> , 2014, 68, 465-472.	2.3	43
20	Extracellular ATP is internalized by macropinocytosis and induces intracellular ATP increase and drug resistance in cancer cells. <i>Cancer Letters</i> , 2014, 351, 242-251.	7.2	118
21	Constituents of an Extract of <i>Cryptocarya rubra</i> Housed in a Repository with Cytotoxic and Glucose Transport Inhibitory Effects. <i>Journal of Natural Products</i> , 2014, 77, 550-556.	3.0	37
22	Oxime-based inhibitors of glucose transporter 1 displaying antiproliferative effects in cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6923-6927.	2.2	42
23	Orally efficacious novel small molecule 6-chloro-6-deoxy-1,2,3,4-tetra-O-galloyl- β -D-glucopyranose selectively and potently stimulates insulin receptor and alleviates diabetes. <i>Journal of Molecular Endocrinology</i> , 2013, 51, 15-26.	2.5	18
24	A Small-Molecule Inhibitor of Glucose Transporter 1 Downregulates Glycolysis, Induces Cell-Cycle Arrest, and Inhibits Cancer Cell Growth <i>In Vitro</i> and <i>In Vivo</i> . <i>Molecular Cancer Therapeutics</i> , 2012, 11, 1672-1682.	4.1	439
25	Synthesis and Antitumor Activity of Ellagic Acid Peracetate. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 631-636.	2.8	16
26	Insulin receptor signaling activated by penta-O-galloyl- β -D-glucopyranose induces p53 and apoptosis in cancer cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2011, 16, 902-913.	4.9	16
27	A Novel Small Molecule 1,2,3,4,6-penta-O-galloyl- β -D-glucopyranose Mimics the Antiplatelet Actions of Insulin. <i>PLoS ONE</i> , 2011, 6, e26238.	2.5	13
28	Novel inhibitors of basal glucose transport as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 2191-2194.	2.2	57
29	Regulation of G1 Arrest and Apoptosis in Hypoxia by PERK and GCN2-Mediated eIF2 β Phosphorylation. <i>Neoplasia</i> , 2010, 12, 61-IN6.	5.3	53
30	Iridoids from <i>Fraxinus excelsior</i> with Adipocyte Differentiation-Inhibitory and PPAR β Activation Activity. <i>Journal of Natural Products</i> , 2010, 73, 2-6.	3.0	55
31	Small compound inhibitors of basal glucose transport inhibit cell proliferation and induce apoptosis in cancer cells via glucose-deprivation-like mechanisms. <i>Cancer Letters</i> , 2010, 298, 176-185.	7.2	66
32	Active Compounds from <i>Lagerstroemia speciosa</i> , Insulin-like Glucose Uptake-Stimulatory/Inhibitory and Adipocyte Differentiation-Inhibitory Activities in 3T3-L1 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 11668-11674.	5.2	96
33	Antidiabetes and Anti-Obesity Activity of <i>Lagerstroemia speciosa</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2007, 4, 401-407.	1.2	151
34	Distribution, Bioactivities and Therapeutical Potentials of Pentagalloylglucopyranose. <i>Current Bioactive Compounds</i> , 2007, 3, 81-89.	0.5	18
35	Synthesis and Structure-Activity Relationship Study of Antidiabetic Penta-O-galloyl-d-glucopyranose and Its Analogues. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2829-2837.	6.4	75
36	Tannic Acid Stimulates Glucose Transport and Inhibits Adipocyte Differentiation in 3T3-L1 Cells. <i>Journal of Nutrition</i> , 2005, 135, 165-171.	2.9	162

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37	Discovery, Structural Determination and Anticancer Activities of Lactucinlike Guaianolides. <i>Letters in Drug Design and Discovery</i> , 2005, 2, 444-450.	0.7	20
38	Transcription regulation of the vegf gene by the BMP/Smad pathway in the angioblast of zebrafish embryos. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 324-330.	2.1	60
39	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. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 430-437.	2.1	94
40	Seryl-histidine as an alternative DNA nicking agent in nick translation yields superior DNA probes and hybridizations. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 667-673.	3.0	15
41	An Extract of <i>Lagerstroemia speciosa</i> L. Has Insulin-Like Glucose Uptakeâ€“Stimulatory and Adipocyte Differentiationâ€“Inhibitory Activities in 3T3-L1 Cells. <i>Journal of Nutrition</i> , 2001, 131, 2242-2247.	2.9	140
42	Dipeptide seryl-histidine and related oligopeptides cleave DNA, protein, and a carboxyl ester. <i>Bioorganic and Medicinal Chemistry</i> , 2000, 8, 2675-2680.	3.0	100
43	Expression of the Na ⁺ /Ca ²⁺ Exchanger Ameliorates Ionomycin-Induced Cell Death. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 93-96.	2.1	5
44	Cancer Gene Therapy by Direct Tumor Injections of a Nonviral T7 Vector Encoding a Thymidine Kinase Gene. <i>Human Gene Therapy</i> , 1998, 9, 729-736.	2.7	26
45	Variable Efficiency of the Thymidine Kinase/Ganciclovir System in Human Glioblastoma Cell Lines: Implications for Gene Therapy. <i>Human Gene Therapy</i> , 1997, 8, 1945-1953.	2.7	36
46	Parameters Influencing the Efficiency of the Thymidine Kinase/Ganciclovir Strategy in Human Glioblastoma Cell Lines. <i>Stereotactic and Functional Neurosurgery</i> , 1997, 68, 252-257.	1.5	3
47	A self-initiating eukaryotic transient gene expression system based on cotransfection of bacteriophage T7 RNA polymerase and DNA vectors containing a T7 autogene. <i>Nucleic Acids Research</i> , 1994, 22, 2114-2120.	14.5	31
48	From Transcriptomics, Metabolomics to Functional Studies: Extracellular ATP Induces TGF- β -Like Epithelial Mesenchymal Transition in Lung Cancer Cells. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	3