

Zhenyu Cai

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,579
citations

257357

24
h-index

143943

57
g-index

58
all docs

58
docs citations

58
times ranked

4467
citing authors

#	ARTICLE	IF	CITATIONS
1	Prenylated phenolic compounds from licorice (<i>Glycyrrhiza uralensis</i>) and their anti-inflammatory activity against osteoarthritis. <i>Food and Function</i> , 2022, 13, 795-805.	2.1	9
2	Gandi Capsule Improved Podocyte Lipid Metabolism of Diabetic Nephropathy Mice through SIRT1/AMPK/HNF4A Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-17.	1.9	3
3	Targeting Necroptosis as a Promising Therapy for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1697-1713.	1.7	13
4	Identifying potential anti-COVID-19 pharmacological components of traditional Chinese medicine Lianhuaqingwen capsule based on human exposure and ACE2 biochromatography screening. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 222-236.	5.7	112
5	Comparative two-dimensional GPC3 overexpressing SK-Hep1 cell membrane chromatography /C18/ time-of-flight mass spectrometry for screening selective GPC3 inhibitor components from <i>Scutellariae Radix</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1163, 122492.	1.2	7
6	BCL6 confers KRAS-mutant non-small-cell lung cancer resistance to BET inhibitors. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	27
7	A stop-flow comprehensive two-dimensional HK-2 and HK-2/CIK1 cell membrane chromatography comparative analysis system for screening the active ingredients from <i>Pyrosia calvata</i> (Bak.) Ching against crystal-induced kidney injury. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113825.	1.4	11
8	Surface plasmon resonance biosensor combined with lentiviral particle stabilization strategy for rapid and specific screening of P-Glycoprotein ligands. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2021-2031.	1.9	6
9	<i>Morus alba</i> leaves ethanol extract protects pancreatic islet cells against dysfunction and death by inducing autophagy in type 2 diabetes. <i>Phytomedicine</i> , 2021, 83, 153478.	2.3	24
10	ZBP1 not RIPK1 mediates tumor necroptosis in breast cancer. <i>Nature Communications</i> , 2021, 12, 2666.	5.8	74
11	Tumor necroptosis is correlated with a favorable immune cell signature and programmed death-ligand 1 expression in cholangiocarcinoma. <i>Scientific Reports</i> , 2021, 11, 11743.	1.6	24
12	The multitargeted kinase inhibitor KW-2449 ameliorates cisplatin-induced nephrotoxicity by targeting RIPK1-mediated necroptosis. <i>Biochemical Pharmacology</i> , 2021, 188, 114542.	2.0	12
13	Integrated metabolomics and network pharmacology approach to exploring the potential mechanism of tianxiang capsule for treating motion sickness. <i>Journal of Ethnopharmacology</i> , 2021, 275, 114107.	2.0	9
14	Stem Cell Factor SOX2 Confers Ferroptosis Resistance in Lung Cancer via Upregulation of SLC7A11. <i>Cancer Research</i> , 2021, 81, 5217-5229.	0.4	99
15	Shenjinhuoxue Mixture Attenuates Inflammation, Pain, and Cartilage Degeneration by Inhibiting TLR-4 and NF- κ B Activation in Rats with Osteoarthritis: A Synergistic Combination of Multitarget Active Phytochemicals. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-21.	1.9	11
16	Different Reaction Patterns of Caregivers of Children With Imperforate Anus: A Latent Profile Analysis. <i>Frontiers in Pediatrics</i> , 2021, 9, 796725.	0.9	2
17	Targeting actin-bundling protein L-plastin as an anabolic therapy for bone loss. <i>Science Advances</i> , 2020, 6, .	4.7	59
18	Guaiacol suppresses osteoclastogenesis by blocking interactions of RANK with TRAF6 and Ca^{2+} /Rc and inhibiting NF- κ B, MAPK and AKT pathways. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 5122-5134.	1.6	12

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19	Neobavaisoflavone inhibits osteoclastogenesis through blocking RANKL signalling-mediated TRAF6 and Src recruitment and NF- κ B, MAPK and Akt pathways. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 9067-9084.	1.6	45
20	Covalent Design of Cell Membrane Stationary Phase with Enhanced Stability for Fast Screening P-Glycoprotein Inhibitors. <i>ACS Applied Bio Materials</i> , 2020, 3, 5000-5006.	2.3	9
21	Development of 3-mercaptopropyltrimethoxysilane (MPTS)-modified bone marrow mononuclear cell membrane chromatography for screening anti-osteoporosis components from <i>Scutellariae Radix</i> . <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1856-1865.	5.7	27
22	Surface Plasmon Resonance-Based Membrane Protein-Targeted Active Ingredients Recognition Strategy: Construction and Implementation in Ligand Screening from Herbal Medicines. <i>Analytical Chemistry</i> , 2020, 92, 3972-3980.	3.2	17
23	The Bcr-Abl inhibitor GNF-7 inhibits necroptosis and ameliorates acute kidney injury by targeting RIPK1 and RIPK3 kinases. <i>Biochemical Pharmacology</i> , 2020, 177, 113947.	2.0	20
24	Nuclear magnetic resonance-based plasma metabolomics revealed the protective effect of tea polyphenols on sulfur mustard-induced injury in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113278.	1.4	6
25	Suppression of the SLC7A11/glutathione axis causes synthetic lethality in KRAS-mutant lung adenocarcinoma. <i>Journal of Clinical Investigation</i> , 2020, 130, 1752-1766.	3.9	200
26	Metabolomic study of the protective effect of Gandi capsule for diabetic nephropathy. <i>Chemico-Biological Interactions</i> , 2019, 314, 108815.	1.7	28
27	The role of necroptosis in cancer: A double-edged sword?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019, 1871, 259-266.	3.3	86
28	Cardioprotective mechanism study of salvianic acid A sodium based on a proteome microarray approach and metabolomic profiling of rat serum after myocardial infarction. <i>Molecular Omics</i> , 2019, 15, 271-279.	1.4	6
29	<i>N</i> -(7-Cyano-6-(4-fluoro-3-(2-(3-(trifluoromethyl)phenyl)acetamido)phenoxy)benzo[<i>d</i>]thiazol-2-yl)cyclopropanecarboxamide (TAK-632) Analogues as Novel Necroptosis Inhibitors by Targeting Receptor-Interacting Protein Kinase 3 (RIPK3): Synthesis, Structure-Activity Relationships, and in Vivo Efficacy. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 6665-6681.	2.9	39
30	Identification of eupatilin and ginkgolide B as p38 ligands from medicinal herbs by surface plasmon resonance biosensor-based active ingredients recognition system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 171, 35-42.	1.4	7
31	Identification of the Raf kinase inhibitor TAK-632 and its analogues as potent inhibitors of necroptosis by targeting RIPK1 and RIPK3. <i>British Journal of Pharmacology</i> , 2019, 176, 2095-2108.	2.7	41
32	Comparative two-dimensional HepG2 and LO2/ cell membrane chromatography/ C18/ time-of-flight mass spectrometry for screening selective anti-hepatoma components from <i>Scutellariae Radix</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 550-556.	1.4	19
33	Methodology of drug screening and target identification for new necroptosis inhibitors. <i>Journal of Pharmaceutical Analysis</i> , 2019, 9, 71-76.	2.4	10
34	A distinct glycerophospholipid metabolism signature of acute graft versus host disease with predictive value. <i>JCI Insight</i> , 2019, 4, .	2.3	14
35	A method for screening active components from Chinese herbs by cell membrane chromatography-offline-high performance liquid chromatography/mass spectrometry and an online statistical tool for data processing. <i>Journal of Chromatography A</i> , 2018, 1540, 68-76.	1.8	21
36	Salvianic acid A sodium protects HUVEC cells against tert-butyl hydroperoxide induced oxidative injury via mitochondria-dependent pathway. <i>Chemico-Biological Interactions</i> , 2018, 279, 234-242.	1.7	18

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37	Simulation Strategies for Characterizing Phosphodiesterase-5 Inhibitors in Botanical Dietary Supplements. <i>Analytical Chemistry</i> , 2018, 90, 10765-10770.	3.2	6
38	Revealing Synergistic Mechanism of Multiple Components in Gandi Capsule for Diabetic Nephropathy Therapeutics by Network Pharmacology. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-11.	0.5	10
39	Biosensor-Based Active Ingredients Recognition System for Screening STAT3 Ligands from Medical Herbs. <i>Analytical Chemistry</i> , 2018, 90, 8936-8945.	3.2	29
40	Necroptosis of tumor cells leads to tumor necrosis and promotes tumor metastasis. <i>Cell Research</i> , 2018, 28, 868-870.	5.7	121
41	Combination of comprehensive two-dimensional prostate cancer cell membrane chromatographic system and network pharmacology for characterizing membrane binding active components from <i>Radix et Rhizoma Rhei</i> and their targets. <i>Journal of Chromatography A</i> , 2018, 1564, 145-154.	1.8	15
42	Assessment of the Intestinal Permeability of Major Phytocomponents Contained in Gandi Capsules Using Ultra-High Performance Liquid Chromatography Coupled with Electrospray Ionization-Quadrupole-Time of Flight Mass Spectrometry. <i>Chromatographia</i> , 2018, 81, 1013-1021.	0.7	2
43	Dynamic metabolic and transcriptomic profiling of methyl jasmonate-treated hairy roots reveals synthetic characters and regulators of lignan biosynthesis in <i>Isatis indigotica</i> . <i>Fort. Plant Biotechnology Journal</i> , 2016, 14, 2217-2227.	4.1	51
44	Characterization of anti-leukemia components from <i>Indigo naturalis</i> using comprehensive two-dimensional K562/cell membrane chromatography and in silico target identification. <i>Scientific Reports</i> , 2016, 6, 25491.	1.6	19
45	A novel strategy of profiling the mechanism of herbal medicines by combining network pharmacology with plasma concentration determination and affinity constant measurement. <i>Molecular BioSystems</i> , 2016, 12, 3347-3356.	2.9	22
46	Development of APTES-Decorated HepG2 Cancer Stem Cell Membrane Chromatography for Screening Active Components from <i>Salvia miltiorrhiza</i> . <i>Analytical Chemistry</i> , 2016, 88, 12081-12089.	3.2	56
47	Cardiovascular Disease Chemogenomics Knowledgebase-guided Target Identification and Drug Synergy Mechanism Study of an Herbal Formula. <i>Scientific Reports</i> , 2016, 6, 33963.	1.6	32
48	On-line comprehensive two-dimensional HepG2 cell membrane chromatographic analysis system for charactering anti-hepatoma components from rat serum after oral administration of <i>Radix scutellariae</i> : A strategy for rapid screening active compounds in vivo. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 118, 27-33.	1.4	37
49	Activity ranking of synthetic analogs targeting vascular endothelial growth factor receptor 2 by an integrated cell membrane chromatography system. <i>Journal of Separation Science</i> , 2015, 38, 4159-4165.	1.3	10
50	Assessment of the hemolysis and endothelial cell cytotoxicity induced by residual linear alkylbenzene sulfonates on pharmaceutical rubber stoppers based on HPLC-ESI-MS. <i>Biomedical Chromatography</i> , 2015, 29, 1350-1355.	0.8	2
51	Execution of RIPK3-regulated necrosis. <i>Molecular and Cellular Oncology</i> , 2014, 1, e960759.	0.3	30
52	Plasma membrane translocation of trimerized MLKL protein is required for TNF-induced necroptosis. <i>Nature Cell Biology</i> , 2014, 16, 55-65.	4.6	1,022
53	Characterization of Nucleotides and Nucleotide Sugars in <i>Candida albicans</i> by High Performance Liquid Chromatography-Mass Spectrometry with a Porous Graphite Carbon Column. <i>Analytical Letters</i> , 2014, 47, 234-249.	1.0	4
54	Quality improvements of cell membrane chromatographic column. <i>Journal of Chromatography A</i> , 2014, 1359, 330-335.	1.8	38

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55	Comparative Normal/Failing Rat Myocardium Cell Membrane Chromatographic Analysis System for Screening Specific Components That Counteract Doxorubicin-Induced Heart Failure from <i>Acontium carmichaeli</i> . <i>Analytical Chemistry</i> , 2014, 86, 4748-4757.	3.2	87
56	Mixed lineage kinase domain-like is a key receptor interacting protein 3 downstream component of TNF-induced necrosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5322-5327.	3.3	728
57	Comprehensive two-dimensional HepG2/cell membrane chromatography/monolithic column/time-of-flight mass spectrometry system for screening anti-tumor components from herbal medicines. <i>Journal of Chromatography A</i> , 2012, 1242, 67-74.	1.8	85
58	Identification of multiple components in <i>Guanxinning</i> injection using hydrophilic interaction liquid chromatography/time-of-flight mass spectrometry and reversed-phase liquid chromatography/time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1661-1674.	0.7	46