

Gang Bai

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,128
citations

471509

17
h-index

414414

32
g-index

54
all docs

54
docs citations

54
times ranked

1420
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave Absorption of Single-Walled Carbon Nanotubes/Soluble Cross-Linked Polyurethane Composites. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13696-13700.	3.1	324
2	Qingfei Xiaoyan Wan, a traditional Chinese medicine formula, ameliorates <i>Pseudomonas aeruginosa</i> -induced acute lung inflammation by regulation of PI3K/AKT and Ras/MAPK pathways. <i>Acta Pharmaceutica Sinica B</i> , 2016, 6, 212-221.	12.0	51
3	From quality markers to data mining and intelligence assessment: A smart quality-evaluation strategy for traditional Chinese medicine based on quality markers. <i>Phytomedicine</i> , 2018, 44, 109-116.	5.3	45
4	Ursolic Acid, a Natural Nutraceutical Agent, Targets Caspase3 and Alleviates Inflammation-Associated Downstream Signal Transduction. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700332.	3.3	40
5	A rapid integrated bioactivity evaluation system based on near-infrared spectroscopy for quality control of <i>Flos Chrysanthemi</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 391-399.	2.8	39
6	From chemical markers to quality markers: an integrated approach of UPLC/Q-TOF, NIRS, and chemometrics for the quality assessment of honeysuckle buds. <i>RSC Advances</i> , 2017, 7, 22034-22044.	3.6	39
7	Chlorogenic Acid Targeting of the AKT PH Domain Activates AKT/GSK3 β /FOXO1 Signaling and Improves Glucose Metabolism. <i>Nutrients</i> , 2018, 10, 1366.	4.1	33
8	Searching for synergistic calcium antagonists and novel therapeutic regimens for coronary heart disease therapy from a Traditional Chinese Medicine, Suxiao Jiuxin Pill. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 220-227.	2.3	31
9	The Screening Research of Anti-Inflammatory Bioactive Markers from Different Flowering Phases of <i>Flos Lonicerae Japonicae</i> . <i>PLoS ONE</i> , 2014, 9, e96214.	2.5	29
10	The rich pharmacological activities of <i>Magnolia officinalis</i> and secondary effects based on significant intestinal contributions. <i>Journal of Ethnopharmacology</i> , 2021, 281, 114524.	4.1	27
11	Comprehensive TCM molecular networking based on MS/MS in silico spectra with integration of virtual screening and affinity MS screening for discovering functional ligands from natural herbs. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5785-5797.	3.7	26
12	Phthalides, senkyunolide A and ligustilide, show immunomodulatory effect in improving atherosclerosis, through inhibiting AP-1 and NF- κ B expression. <i>Biomedicine and Pharmacotherapy</i> , 2019, 117, 109074.	5.6	26
13	An integrated global chemomics and system biology approach to analyze the mechanisms of the traditional Chinese medicinal preparation <i>Eriobotrya japonica</i> "Fritillaria usuriensis dropping pills for pulmonary diseases. <i>BMC Complementary and Alternative Medicine</i> , 2015, 16, 4.	3.7	25
14	Comparison and evaluation of antimuscarinic and anti-inflammatory effects of five <i>Bulbus fritillariae</i> species based on UPLC-Q/TOF integrated dual-luciferase reporter assay, PCA and ANN analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1041-1042, 60-69.	2.3	24
15	A natural AKT inhibitor swertiamarin targets AKT- PH domain, inhibits downstream signaling, and alleviates inflammation. <i>FEBS Journal</i> , 2020, 287, 1816-1829.	4.7	20
16	Chemomics-Integrated Proteomics Analysis of Jie-Geng-Tang to Ameliorate Lipopolysaccharide-Induced Acute Lung Injury in Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-12.	1.2	19
17	An integrated strategy of marker ingredients searching and near infrared spectroscopy rapid evaluation for the quality control of Chinese eaglewood. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 114, 462-470.	2.8	18
18	Active fragments-guided drug discovery and design of selective tropane alkaloids using ultra-high performance liquid chromatography-quadrupole time-of-flight tandem mass spectrometry coupled with virtual calculation and biological evaluation. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1145-1157.	3.7	18

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19	Effect of N-methyltyramine on the regulation of adrenergic receptors via enzymatic epinephrine synthesis for the treatment of gastrointestinal disorders. <i>Biomedicine and Pharmacotherapy</i> , 2019, 111, 1393-1398.	5.6	18
20	Glycyrrhetic acid binds to the conserved P-loop region and interferes with the interaction of RAS-effector proteins. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 294-303.	12.0	18
21	20(S)-Protopanaxatriol promotes the binding of P53 and DNA to regulate the antitumor network via multiomic analysis. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1020-1035.	12.0	18
22	Metabolite identification of ursolic acid in mouse plasma and urine after oral administration by ultra-high performance liquid chromatography/quadrupole time-of-flight mass spectrometry. <i>RSC Advances</i> , 2018, 8, 6532-6539.	3.6	17
23	Micelles self-assembled by 3-O- β -D-glucopyranosyl platycodigenin enhance cell membrane permeability, promote antibiotic pulmonary targeting and improve anti-infective efficacy. <i>Journal of Nanobiotechnology</i> , 2020, 18, 140.	9.1	15
24	Cinnamaldehyde Enhances Antimelanoma Activity through Covalently Binding ENO1 and Exhibits a Promoting Effect with Dacarbazine. <i>Cancers</i> , 2020, 12, 311.	3.7	14
25	Lepidiline A Improves the Balance of Endogenous Sex Hormones and Increases Fecundity by Targeting HSD17B1. <i>Molecular Nutrition and Food Research</i> , 2020, 64, 1900706.	3.3	13
26	Small-Molecule Fluorogenic Probe for the Detection of Mitochondrial Temperature <i>in Vivo</i> . <i>Analytical Chemistry</i> , 2021, 93, 13417-13420.	6.5	13
27	Phillygenin attenuates inflammatory responses and influences glucose metabolic parameters by inhibiting Akt activity. <i>RSC Advances</i> , 2017, 7, 40418-40426.	3.6	12
28	Natural product puerarin activates Akt and ameliorates glucose and lipid metabolism dysfunction in hepatic cells. <i>Journal of Functional Foods</i> , 2019, 55, 296-304.	3.4	12
29	Functional characterization of pfmin protein secretion and lung infection of <i>Pseudomonas aeruginosa</i> . <i>Canadian Journal of Microbiology</i> , 2011, 57, 829-837.	1.7	10
30	CaMKII, that binds with ligustilide, as a potential drug target of Suxiao jiuXin pill, a traditional Chinese medicine to dilate thoracic aorta. <i>Clinical and Translational Medicine</i> , 2022, 12, .	4.0	10
31	Genipin, a natural AKT inhibitor, targets the PH domain to affect downstream signaling and alleviates inflammation. <i>Biochemical Pharmacology</i> , 2019, 170, 113660.	4.4	9
32	Micro-PET Imaging Demonstrates 3-O- β -D-Glucopyranosyl Platycodigenin as an Effective Metabolite Affects Permeability of Cell Membrane and Improves Dosimetry of [18 F]-Phillygenin in Lung Tissue. <i>Frontiers in Pharmacology</i> , 2019, 10, 1020.	3.5	9
33	Chemical proteomics reveals ligustilide targets SMAD3, inhibiting collagen synthesis in aortic endothelial cells. <i>Chinese Chemical Letters</i> , 2021, 32, 190-193.	9.0	9
34	Magnolol and honokiol target TRPC4 to regulate extracellular calcium influx and relax intestinal smooth muscle. <i>Journal of Ethnopharmacology</i> , 2022, 290, 115105.	4.1	9
35	Discrimination and quantification analysis of <i>Acorus calamus</i> L. and <i>Acorus tatarinowii</i> Schott with near-infrared reflection spectroscopy. <i>Analytical Methods</i> , 2014, 6, 4212.	2.7	8
36	Mahuannin B an adenylate cyclase inhibitor attenuates hyperhidrosis via suppressing β 2 -adrenoceptor/cAMP signaling pathway. <i>Phytomedicine</i> , 2017, 30, 18-27.	5.3	8

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37	Okicamelliaside targets the N-terminal chaperone pocket of HSP90 disrupts the chaperone protein interaction of HSP90-CDC37 and exerts antitumor activity. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 1046-1058.	6.1	8
38	Attractylenolide-I covalently binds to CYP11B2, selectively inhibits aldosterone synthesis, and improves hyperaldosteronism. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 135-148.	12.0	8
39	GSH-Responsive Drug Delivery System for Active Therapy and Reducing the Side Effects of Bleomycin. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 417-427.	8.0	7
40	On-line near-infrared spectroscopy optimizing and monitoring biotransformation process of β -aminobutyric acid. <i>Journal of Pharmaceutical Analysis</i> , 2016, 6, 171-178.	5.3	6
41	Cimicifugamide from Cimicifuga rhizomes functions as a nonselective β -AR agonist for cardiac and sudorific effects. <i>Biomedicine and Pharmacotherapy</i> , 2017, 90, 122-130.	5.6	6
42	Phillygenin, a lignan compound, inhibits hypertension by reducing PLC β 3-dependent Ca ²⁺ oscillation. <i>Journal of Functional Foods</i> , 2019, 60, 103432.	3.4	6
43	The Screening Research of NF- κ B Inhibitors from Moutan Cortex Based on Bioactivity-Integrated UPLC-Q/TOF-MS. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-7.	1.2	6
44	Mechanism Assay of Honeysuckle for Heat-Clearing Based on Metabolites and Metabolomics. <i>Metabolites</i> , 2022, 12, 121.	2.9	6
45	Ursolic acid alleviates tetrandrine-induced hepatotoxicity by competitively binding to the substrate-binding site of glutathione S-transferases. <i>Phytomedicine</i> , 2022, 104, 154325.	5.3	5
46	Screening and evaluation of antioxidants from lees by micro-injector systems combined with a fluorescent probe, N-borylbenzyloxycarbonyl-3,7-dihydroxyphenoxazine, in living <i>Drosophila</i> . <i>Chinese Chemical Letters</i> , 2018, 29, 1521-1527.	9.0	4
47	Dietary Flavone Baicalein Combine with Genipin Attenuates Inflammation Stimulated by Lipopolysaccharide in RAW264.7 Cells or <i>Pseudomonas aeruginosa</i> in Mice via Regulating the Expression and Phosphorylation of AKT. <i>Nutrients</i> , 2021, 13, 4462.	4.1	4
48	Integrated molecular network and HPLC-UV-FLD analysis to explore antioxidant ingredients in <i>Camellia nitidissima</i> . <i>Journal of Food Science</i> , 2021, 86, 1296-1305.	3.1	3
49	Characterization of deglycosylated metabolites of platycosides reveals their biotransformation after oral administration. <i>Food Chemistry</i> , 2022, 393, 133383.	8.2	1
50	Chemical proteomics combined with metabolomics reveals berberine targets NDUFV1 of complex I in the respiratory chain to regulate energy metabolism. <i>Chinese Chemical Letters</i> , 2023, 34, 107595.	9.0	1
51	Integrated Network Pharmacology and UPLC/Q-TOF-MS Screen System to Exploring Anti-Inflammatory Active Components and Mechanism of Shunaoxin Pills. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-9.	1.2	0