

Guang-Cheng Wang

List of Publications by Year in descending order

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81
papers

2,553
citations

126907

33
h-index

214800

47
g-index

82
all docs

82
docs citations

82
times ranked

3119
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, in vitro evaluation and molecular docking studies of novel triazine-triazole derivatives as potential α -glucosidase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017, 125, 423-429.	5.5	126
2	Design, synthesis and biological evaluation of a series of pyrano chalcone derivatives containing indole moiety as novel anti-tubulin agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2060-2079.	3.0	96
3	Millepachine, a novel chalcone, induces G2/M arrest by inhibiting CDK1 activity and causing apoptosis via ROS-mitochondrial apoptotic pathway in human hepatocarcinoma cells in vitro and in vivo. <i>Carcinogenesis</i> , 2013, 34, 1636-1643.	2.8	90
4	Association between particulate matter and its chemical constituents of urban air pollution and daily mortality or morbidity in Beijing City. <i>Environmental Science and Pollution Research</i> , 2015, 22, 358-368.	5.3	88
5	Synthesis, antioxidant and anti-tyrosinase activity of 1,2,4-triazole hydrazones as antibrowning agents. <i>Food Chemistry</i> , 2021, 341, 128265.	8.2	87
6	Synthesis and Biological Evaluation of Novel 5-Benzylidenethiazolidine-2,4-dione Derivatives for the Treatment of Inflammatory Diseases. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 2060-2068.	6.4	86
7	Synthesis and biological activity of novel barbituric and thiobarbituric acid derivatives against non-alcoholic fatty liver disease. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 2003-2010.	5.5	73
8	Synthesis, biological evaluation and molecular docking studies of chromone hydrazone derivatives as α -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2957-2961.	2.2	69
9	Inclusion complex of barbigerone with hydroxypropyl- β -cyclodextrin: Preparation and in vitro evaluation. <i>Carbohydrate Polymers</i> , 2014, 101, 623-630.	10.2	65
10	Synthesis and biological evaluation of novel 2,4,5-triarylimidazole-1,2,3-triazole derivatives via click chemistry as α -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5719-5723.	2.2	64
11	Calcium carbonate microspheres as carriers for the anticancer drug camptothecin. <i>Materials Science and Engineering C</i> , 2012, 32, 2634-2640.	7.3	63
12	Synthesis, in vitro α -glucosidase inhibitory activity and docking studies of novel chromone-isatin derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 113-116.	2.2	62
13	Synthesis, biological evaluation, and molecular modelling of new naphthalene-chalcone derivatives as potential anticancer agents on MCF-7 breast cancer cells by targeting tubulin colchicine binding site. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 139-144.	5.2	59
14	A phosphoinositide 3-kinase- β inhibitor, AS605240 prevents bleomycin-induced pulmonary fibrosis in rats. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 311-317.	2.1	54
15	Synthesis and biological evaluation of novel 1,2,4-triazine derivatives bearing carbazole moiety as potent α -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2806-2809.	2.2	54
16	Synthesis and Biological Evaluation of Novel Millepachine Derivatives As a New Class of Tubulin Polymerization Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7977-7989.	6.4	52
17	Synthesis, α -glucosidase inhibition and molecular docking studies of novel thiazolidine-2,4-dione or rhodanine derivatives. <i>MedChemComm</i> , 2017, 8, 1477-1484.	3.4	50
18	Design, synthesis, biological evaluation and molecular docking studies of new chalcone derivatives containing diaryl ether moiety as potential anticancer agents and tubulin polymerization inhibitors. <i>Bioorganic Chemistry</i> , 2020, 95, 103565.	4.1	50

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19	Design, synthesis and biological evaluation of millepachine derivatives as a new class of tubulin polymerization inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6844-6854.	3.0	49
20	Design, synthesis and biological evaluation of thiazole- and indole-based derivatives for the treatment of type II diabetes. <i>European Journal of Medicinal Chemistry</i> , 2012, 52, 70-81.	5.5	48
21	Cytotoxic and apoptotic effects of constituents from <i>Millettia pachycarpa</i> Benth. <i>FITOTERAPIA</i> , 2012, 83, 1402-1408.	2.2	47
22	Distribution of carbon and nitrogen in water-stable aggregates and soil stability under long-term manure application in solonchic soils of the Songnen plain, northeast China. <i>Journal of Soils and Sediments</i> , 2014, 14, 1041-1049.	3.0	45
23	Synthesis, biological evaluation and molecular docking studies of a new series of chalcones containing naphthalene moiety as anticancer agents. <i>Bioorganic Chemistry</i> , 2018, 76, 249-257.	4.1	45
24	A systematic review of synthetic tyrosinase inhibitors and their structure-activity relationship. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 4053-4094.	10.3	45
25	Synthesis, In Vitro α -Glucosidase Inhibitory Activity and Molecular Docking Studies of Novel Benzothiazole-Triazole Derivatives. <i>Molecules</i> , 2017, 22, 1555.	3.8	42
26	Synthesis, biological evaluation and molecular docking studies of aminochalcone derivatives as potential anticancer agents by targeting tubulin colchicine binding site. <i>Bioorganic Chemistry</i> , 2018, 78, 332-340.	4.1	41
27	Can Nonspecific Host-Guest Interaction Lead to Highly Specific Encapsulation by a Supramolecular Nanocapsule?. <i>Macromolecules</i> , 2009, 42, 6448-6456.	4.8	39
28	Synthesis, Biological Evaluation, and Molecular Docking Studies of Novel Isatin-Thiazole Derivatives as α -Glucosidase Inhibitors. <i>Molecules</i> , 2017, 22, 659.	3.8	39
29	Synthesis, biological evaluation and molecular docking study of N-arylbenzo[d]oxazol-2-amines as potential α -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 5374-5379.	3.0	38
30	Synthesis, biological evaluation, and docking studies of novel 5,6-diaryl-1,2,4-triazine thiazole derivatives as a new class of α -glucosidase inhibitors. <i>Bioorganic Chemistry</i> , 2018, 78, 195-200.	4.1	38
31	Synthesis and biological evaluation of novel pyranochalcone derivatives as a new class of microtubule stabilizing agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 579-589.	5.5	37
32	Design, synthesis and biological evaluation of novel coumarin thiazole derivatives as α -glucosidase inhibitors. <i>Bioorganic Chemistry</i> , 2016, 65, 167-174.	4.1	37
33	Discovery of 3,3-di(indolyl)indolin-2-one as a novel scaffold for α -glucosidase inhibitors: In silico studies and SAR predictions. <i>Bioorganic Chemistry</i> , 2017, 72, 228-233.	4.1	36
34	Design, synthesis, molecular modeling, and biological evaluation of pyrazole-naphthalene derivatives as potential anticancer agents on MCF-7 breast cancer cells by inhibiting tubulin polymerization. <i>Bioorganic Chemistry</i> , 2020, 103, 104141.	4.1	35
35	Design, synthesis, and structure-activity relationship studies of novel millepachine derivatives as potent antiproliferative agents. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 793-803.	5.5	33
36	A review on synthetic chalcone derivatives as tubulin polymerisation inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 9-38.	5.2	33

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37	Design, synthesis, molecular modeling, and biological evaluation of novel kojic acid derivatives containing bioactive heterocycle moiety as inhibitors of tyrosinase and antibrowning agents. <i>Food Chemistry</i> , 2021, 362, 130241.	8.2	32
38	Synthesis, molecular docking and α -glucosidase inhibition of 2-((5,6-diphenyl-1,2,4-triazin-3-yl)thio)-N-arylacetamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1115-1118.	2.2	29
39	Synthesis, <i>in vitro</i> evaluation and molecular docking studies of novel coumarin α -glucosidase inhibitors. <i>Chemical Biology and Drug Design</i> , 2017, 89, 456-463.	3.2	26
40	An overview on the synthetic urease inhibitors with structure-activity relationship and molecular docking. <i>European Journal of Medicinal Chemistry</i> , 2022, 234, 114273.	5.5	24
41	Effects of Soil Water Deficit on Insecticidal Protein Expression in Boll Shells of Transgenic Bt Cotton and the Mechanism. <i>Frontiers in Plant Science</i> , 2017, 8, 2107.	3.6	23
42	Rational design, synthesis, and pharmacological properties of pyranochalcone derivatives as potent anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 272-280.	5.5	22
43	Soil properties and corn (<i>Zea mays</i> L.) production under manure application combined with deep tillage management in solonchic soils of Songnen Plain, Northeast China. <i>Journal of Integrative Agriculture</i> , 2016, 15, 879-890.	3.5	22
44	Synthesis, Anticancer Activity and Molecular Modeling Studies of Novel Chalcone Derivatives Containing Indole and Naphthalene Moieties as Tubulin Polymerization Inhibitors. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 725-728.	1.3	22
45	Design, synthesis, and anticancer evaluation of benzophenone derivatives bearing naphthalene moiety as novel tubulin polymerization inhibitors. <i>Bioorganic Chemistry</i> , 2020, 104, 104265.	4.1	21
46	Design, synthesis and biological evaluation of isoxazole-naphthalene derivatives as anti-tubulin agents. <i>Arabian Journal of Chemistry</i> , 2020, 13, 5765-5775.	4.9	21
47	Synthesis, structural and <i>in vitro</i> studies of well-dispersed monomethoxy-poly(ethylene) Tj ETQq1 1 0.784314 rgBT. <i>Overlock</i> , 10 Tf 503	3.3	17
48	Synthesis and evaluation of N-analogs of 1,2-diarylethane as <i>Helicobacter pylori</i> urease inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4508-4513.	3.0	17
49	Design, synthesis and biological evaluation of novel thiazole-naphthalene derivatives as potential anticancer agents and tubulin polymerisation inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 1693-1701.	5.2	17
50	Synthesis and Antiangiogenic Activity of Novel Gambogic Acid Derivatives. <i>Molecules</i> , 2012, 17, 6249-6268.	3.8	15
51	Barbigerone-in-hydroxypropyl- β -cyclodextrin-liposomal α -nanoparticle: preparation, characterization and anti-cancer activities. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 82, 505-514.	1.6	14
52	One-Pot and Three-Component Synthesis, Characterization and Biological Evaluation of Some New 1,2,4-Triazine-coumarins. <i>Heterocycles</i> , 2016, 92, 1430.	0.7	14
53	Perceptual evaluation of single-image super-resolution reconstruction. , 2017, , .		14
54	Occurrence, synthesis and biological activity of 2-(2-phenylethyl)chromones. <i>European Journal of Medicinal Chemistry</i> , 2022, 237, 114397.	5.5	14

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55	Influence of Organic Amendments on Adsorption, Desorption and Leaching of Methiopyrisulfuron in Soils. <i>Journal of Integrative Agriculture</i> , 2013, 12, 1589-1597.	3.5	13
56	An overview of hydroxypyranone and hydroxypyridinone as privileged scaffolds for novel drug discovery. <i>European Journal of Medicinal Chemistry</i> , 2021, 221, 113546.	5.5	13
57	Synthesis, Biological Evaluation and Molecular Docking Study of 2-Substituted-4,6-Diarylpyrimidines as α -Glucosidase Inhibitors. <i>Molecules</i> , 2017, 22, 1865.	3.8	12
58	Semi-synthesis and Biological Evaluation of 1,2,3-Triazole-Based Podophyllotoxin Congeners as Potent Antitumor Agents Inducing Apoptosis in HepG2 Cells. <i>Archiv Der Pharmazie</i> , 2012, 345, 945-956.	4.1	11
59	Synthesis and Biological Evaluation of Novel Urea- and Guanidine-Based Derivatives for the Treatment of Obesity-Related Hepatic Steatosis. <i>Molecules</i> , 2014, 19, 6163-6183.	3.8	11
60	Synthesis and biological evaluation of pyranoisoflavone derivatives as anti-inflammatory agents. <i>FÄ-toterapÄ-tÄt</i> , 2014, 97, 172-183.	2.2	11
61	Design, Synthesis, and Anti-Proliferative Evaluation of [1,1'-biphenyl]-4-ols as Inhibitor of HUVEC Migration and Tube Formation. <i>Molecules</i> , 2012, 17, 8091-8104.	3.8	10
62	Synthesis and evaluation of new tyrosyl-tRNA synthetase inhibitors as antibacterial agents based on a N2-(arylacetyl)glycinanilide scaffold. <i>European Journal of Medicinal Chemistry</i> , 2015, 102, 631-638.	5.5	10
63	In Vivo and In Vitro Anti-Arthritic Effects of Cardenolide-Rich and Caffeoylquinic Acid-Rich Fractions of <i>Periploca forrestii</i> . <i>Molecules</i> , 2018, 23, 1988.	3.8	10
64	Synthesis, structure-activity relationships and biological evaluation of barbigerone analogues as anti-proliferative and anti-angiogenesis agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3158-3163.	2.2	9
65	Synthesis and biological evaluation of novel dimethyl[1,1'-biphenyl]-2,2'-dicarboxylate derivatives containing thiazolidine-2,4-dione for the treatment of concanavalin A-induced acute liver injury of BALB/c mice. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5941-5948.	5.5	8
66	Three new acenaphthene derivatives from rhizomes of <i>Musa basjoo</i> and their cytotoxic activity. <i>Natural Product Research</i> , 2021, 35, 1307-1312.	1.8	8
67	(E)-N-Aryl-2-oxo-2-(3,4,5-trimethoxyphenyl)acetohydrazonoyl cyanides as tubulin polymerization inhibitors: Structure-based bioisosterism design, synthesis, biological evaluation, molecular docking and in silico ADME prediction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3350-3355.	2.2	7
68	Design, synthesis and biological evaluation of novel 2-phenyl-4,5,6,7-tetrahydro-1H-indole derivatives as potential anticancer agents and tubulin polymerization inhibitors. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103504.	4.9	7
69	A Novel Small Molecule, (E)-5-(2,4-di-tert-butyl-6-((2,4-dioxothiazolidin-5-ylidene)methyl)phenyl)-5-methyl-7,7-dimethoxy-4,4'-bibenzo[<i>d</i>][<i>k</i>], Alleviates the Development of d-Galactosamine/Lipopolysaccharide-Induced Acute Liver Failure by Inhibiting Macrophage Infiltration and Regulating Cytokine Expression. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 341, 116-125.	2.5	5
70	Tissue Distribution Comparison of Six Active Ingredients from an <i>Eucommiae Cortex</i> Extract between Normal and Spontaneously Hypertensive Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-16.	1.2	5
71	(Z)-5-(4-Methoxybenzylidene)thiazolidine-2,4-dione, a Novel Readily Available and Orally Active Clitazone, Attenuates the Bleomycin-Induced Pulmonary Fibrosis in Vivo. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 219-225.	1.4	4
72	Synthesis of N-Aryl-2-aminobenzoxazoles from Substituted Benzoxazole-2-thiol and 2-Chloro-N-arylacetamides in KOH-DMF System. <i>Heterocycles</i> , 2017, 94, 1257.	0.7	4

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73	Comparative absorption kinetics of seven active ingredients of <i>Eucommia ulmoides</i> extracts by intestinal in situ circulatory perfusion in normal and spontaneous hypertensive rats. <i>Biomedical Chromatography</i> , 2020, 34, e4714.	1.7	3
74	Design, Synthesis and Biological Evaluation of Novel 4-(4-Methoxynaphthalen-1-yl)-5-arylpyrimidin-2-amines as Tubulin Polymerization Inhibitors. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 1184-1192.	1.3	3
75	Allicin attenuates tunicamycin-induced cognitive deficits in rats via its synaptic plasticity regulatory activity. <i>Iranian Journal of Basic Medical Sciences</i> , 2017, 20, 676-682.	1.0	3
76	Synthesis and Biological Evaluation of 3-Methyl-5-phenylthieno[2,3- <i>d</i>]pyrimidine-2,4(1 <i>H</i> ,3 <i>H</i>)-dione Derivatives for the Treatment of Diet-Induced Obesity. <i>Chemical and Pharmaceutical Bulletin</i> , 2014, 62, 883-891.	1.3	2
77	Synthesis, biological evaluation and molecular docking investigation of new sulphonamide derivatives bearing naphthalene moiety as potent tubulin polymerisation inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 1401-1409.	5.2	2
78	(E)-1-(5-Hydroxy-2,2-dimethyl-2H-chromen-6-yl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1265-o1265.	0.2	1
79	Identification, Separation and Characterization of Process-Related Impurities of Bifendate Derivative (DB-6), an Investigational Agent Combating Acute Liver Failure. <i>Journal of Chromatographic Science</i> , 2015, 53, 716-724.	1.4	0
80	Two new compounds from rhizomes of <i>Musa basjoo</i> . <i>Journal of Asian Natural Products Research</i> , 2021, , 1-5.	1.4	0
81	Study on Mine Ecological Restoration Deposit System Based on Evolutionary Game. , 2015, , .		0