Guang-Cheng Wang

List of Publications by Year
in descending order

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	A systematic review of synthetic tyrosinase inhibitors and their structure-activity relationship. Critical Reviews in Food Science and Nutrition, 2022, 62, 4053-4094.	10.3	45
2	Design, synthesis and biological evaluation of novel 2-phenyl-4,5,6,7-tetrahydro-1H-â€‹indole derivatives as potential anticancer agents and tubulin polymerization inhibitors. Arabian Journal of Chemistry, 2022, 15, 103504.	4.9	7
3	An overview on the synthetic urease inhibitors with structure-activity relationship and molecular docking. European Journal of Medicinal Chemistry, 2022, 234, 114273.	5.5	24
4	A review on synthetic chalcone derivatives as tubulin polymerisation inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 9-38.	5.2	33
5	Occurrence, synthesis and biological activity of 2-(2-phenyethyl)chromones. European Journal of Medicinal Chemistry, 2022, 237, 114397.	5.5	14
6	Synthesis, antioxidant and anti-tyrosinase activity of 1,2,4-triazole hydrazones as antibrowning agents. Food Chemistry, 2021, 341, 128265.	8.2	87
7	Three new acenaphthene derivatives from rhizomes of Musa basjoo and their cytotoxic activity. Natural Product Research, 2021, 35, 1307-1312.	1.8	8
8	Two new compounds from rhizomes of Musa basjoo. Journal of Asian Natural Products Research, 2021, , 1-5.	1.4	0
9	Synthesis, biological evaluation and molecular docking investigation of new sulphonamide derivatives bearing naphthalene moiety as potent tubulin polymerisation inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1401-1409.	5.2	2
10	An overview of hydroxypyranone and hydroxypyridinone as privileged scaffolds for novel drug discovery. European Journal of Medicinal Chemistry, 2021, 221, 113546.	5.5	13
11	Design, synthesis, molecular modeling, and biological evaluation of novel kojic acid derivatives containing bioactive heterocycle moiety as inhibitors of tyrosinase and antibrowning agents. Food Chemistry, 2021, 362, 130241.	8.2	32
12	Design, synthesis and biological evaluation of novel thiazole-naphthalene derivatives as potential anticancer agents and tubulin polymerisation inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1693-1701.	5.2	17
13	Comparative absorption kinetics of seven active ingredients of Eucommia ulmoides extracts by intestinal in situ circulatory perfusion in normal and spontaneous hypertensive rats. Biomedical Chromatography, 2020, 34, e4714.	1.7	3
14	Design, synthesis, biological evaluation and molecular docking studies of new chalcone derivatives containing diaryl ether moiety as potential anticancer agents and tubulin polymerization inhibitors. Bioorganic Chemistry, 2020, 95, 103565.	4.1	50
15	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. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 139-144.	5.2	59
16	Tissue Distribution Comparison of Six Active Ingredients from an Eucommiae Cortex Extract between Normal and Spontaneously Hypertensive Rats. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-16.	1.2	5
17	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. Bioorganic Chemistry, 2020, 103, 104141.	4.1	35
18	Design, synthesis, and anticancer evaluation of benzophenone derivatives bearing naphthalene moiety as novel tubulin polymerization inhibitors. Bioorganic Chemistry, 2020, 104, 104265.	4.1	21

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19	Design, synthesis and biological evaluation of isoxazole-naphthalene derivatives as anti-tubulin agents. Arabian Journal of Chemistry, 2020, 13, 5765-5775.	4.9	21
20	Design, Synthesis and Biological Evaluation of Novel 4-(4-Methoxynaphthalen-1-yl)-5-arylpyrimidin-2-amines as Tubulin Polymerization Inhibitors. Chemical and Pharmaceutical Bulletin, 2020, 68, 1184-1192.	1.3	3
21	Synthesis, Anticancer Activity and Molecular Modeling Studies of Novel Chalcone Derivatives Containing Indole and Naphthalene Moieties as Tubulin Polymerization Inhibitors. Chemical and Pharmaceutical Bulletin, 2019, 67, 725-728.	1.3	22
22	Synthesis, biological evaluation and molecular docking studies of aminochalcone derivatives as potential anticancer agents by targeting tubulin colchicine binding site. Bioorganic Chemistry, 2018, 78, 332-340.	4.1	41
23	Synthesis, biological evaluation, and docking studies of novel 5,6-diaryl-1,2,4-triazine thiazole derivatives as a new class of Î±-glucosidase inhibitors. Bioorganic Chemistry, 2018, 78, 195-200.	4.1	38
24	Synthesis, in vitro Î±-glucosidase inhibitory activity and docking studies of novel chromone-isatin derivatives. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 113-116.	2.2	62
25	(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. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3350-3355.	2.2	7
26	Synthesis, biological evaluation and molecular docking studies of a new series of chalcones containing naphthalene moiety as anticancer agents. Bioorganic Chemistry, 2018, 76, 249-257.	4.1	45
27	In Vivo and In Vitro Anti-Arthritic Effects of Cardenolide-Rich and Caffeoylquinic Acid-Rich Fractions of Periploca forrestii. Molecules, 2018, 23, 1988.	3.8	10
28	Synthesis, molecular docking and Î±-glucosidase inhibition of 2-((5,6-diphenyl-1,2,4-triazin-3-yl)thio)-N-arylacetamides. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1115-1118.	2.2	29
29	Discovery of 3,3-di(indolyl)indolin-2-one as a novel scaffold for Î±-glucosidase inhibitors: In silico studies and SAR predictions. Bioorganic Chemistry, 2017, 72, 228-233.	4.1	36
30	Synthesis, biological evaluation and molecular docking studies of chromone hydrazone derivatives as Î± -glucosidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2957-2961.	2.2	69
31	Synthesis, Î±-glucosidase inhibition and molecular docking studies of novel thiazolidine-2,4-dione or rhodanine derivatives. MedChemComm, 2017, 8, 1477-1484.	3.4	50
32	Synthesis, inÂvitro evaluation and molecular docking studies of novel triazine-triazole derivatives as potential Î±-glucosidase inhibitors. European Journal of Medicinal Chemistry, 2017, 125, 423-429.	5.5	126
33	Synthesis, in vitro evaluation and molecular docking studies of novel coumarinâ€isatin derivatives as Î±â€glucosidase inhibitors. Chemical Biology and Drug Design, 2017, 89, 456-463.	3.2	26
34	Perceptual evaluation of single-image super-resolution reconstruction. , 2017, , .		14
35	Effects of Soil Water Deficit on Insecticidal Protein Expression in Boll Shells of Transgenic Bt Cotton and the Mechanism. Frontiers in Plant Science, 2017, 8, 2107.	3.6	23
36	Synthesis, Biological Evaluation, and Molecular Docking Studies of Novel Isatin-Thiazole Derivatives as Î±-Glucosidase Inhibitors. Molecules, 2017, 22, 659.	3.8	39

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37	Synthesis, In Vitro Î±-Glucosidase Inhibitory Activity and Molecular Docking Studies of Novel Benzothiazole-Triazole Derivatives. Molecules, 2017, 22, 1555.	3.8	42
38	Synthesis, Biological Evaluation and Molecular Docking Study of 2-Substituted-4,6-Diarylpyrimidines as Î±-Glucosidase Inhibitors. Molecules, 2017, 22, 1865.	3.8	12
39	Synthesis of N-Aryl-2-aminobenzoxazoles from Substituted Benzoxazole-2-thiol and 2-Chloro-N-arylacetamides in KOH-DMF System. Heterocycles, 2017, 94, 1257.	0.7	4
40	Allicin attenuates tunicamycin-induced cognitive deficits in rats via its synaptic plasticity regulatory activity. Iranian Journal of Basic Medical Sciences, 2017, 20, 676-682.	1.0	3
41	Synthesis and biological evaluation of novel 1,2,4-triazine derivatives bearing carbazole moiety as potent Î±-glucosidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2806-2809.	2.2	54
42	Synthesis, biological evaluation and molecular docking study of N -arylbenzo[d]oxazol-2-amines as potential Î±-glucosidase inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 5374-5379.	3.0	38
43	Synthesis and biological evaluation of novel 2,4,5-triarylimidazoleâ€“1,2,3-triazole derivatives via click chemistry as Î±-glucosidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5719-5723.	2.2	64
44	One-Pot and Three-Component Synthesis, Characterization and Biological Evaluation of Some New 1,2,4-Triazine-coumarins. Heterocycles, 2016, 92, 1430.	0.7	14
45	Soil properties and corn (Zea mays L.) production under manure application combined with deep tillage management in solonetzic soils of Songnen Plain, Northeast China. Journal of Integrative Agriculture, 2016, 15, 879-890.	3.5	22
46	Design, synthesis and biological evaluation of novel coumarin thiazole derivatives as Î±-glucosidase inhibitors. Bioorganic Chemistry, 2016, 65, 167-174.	4.1	37
47	Barbigerone-in-hydroxypropyl-Î²-cyclodextrin-liposomalÂnanoparticle: preparation, characterization and anti-cancer activities. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2015, 82, 505-514.	1.6	14
48	Identification, Separation and Characterization of Process-Related Impurities of Bifendate Derivative (DB-6), an Investigational Agent Combating Acute Liver Failure. Journal of Chromatographic Science, 2015, 53, 716-724.	1.4	0
49	Synthesis and evaluation of N-analogs of 1,2-diarylethane as Helicobacter pylori urease inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 4508-4513.	3.0	17
50	Synthesis and evaluation of new tyrosyl-tRNA synthetase inhibitors as antibacterial agents based on a N2-(arylacetyl)glycinanilide scaffold. European Journal of Medicinal Chemistry, 2015, 102, 631-638.	5.5	10
51	Association between particulate matter and its chemical constituents of urban air pollution and daily mortality or morbidity in Beijing City. Environmental Science and Pollution Research, 2015, 22, 358-368.	5.3	88
52	Study on Mine Ecological Restoration Deposit System Based on Evolutionary Game. , 2015, , .		0
53	Synthesis and Biological Evaluation of Novel Urea- and Guanidine-Based Derivatives for the Treatment of Obesity-Related Hepatic Steatosis. Molecules, 2014, 19, 6163-6183.	3.8	11
54	Inclusion complex of barbigerone with hydroxypropyl-Î²-cyclodextrin: Preparation and in vitro evaluation. Carbohydrate Polymers, 2014, 101, 623-630.	10.2	65

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55	Design, synthesis and biological evaluation of a series of pyrano chalcone derivatives containing indole moiety as novel anti-tubulin agents. Bioorganic and Medicinal Chemistry, 2014, 22, 2060-2079.	3.0	96
56	Distribution of carbon and nitrogen in water-stable aggregates and soil stability under long-term manure application in solonetzic soils of the Songnen plain, northeast China. Journal of Soils and Sediments, 2014, 14, 1041-1049.	3.0	45
57	Synthesis and Biological Evaluation of Novel Millepachine Derivatives As a New Class of Tubulin Polymerization Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 7977-7989.	6.4	52
58	Synthesis, structureâ€“activity relationships and biological evaluation of barbigerone analogues as anti-proliferative and anti-angiogenesis agents. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3158-3163.	2.2	9
59	Synthesis and biological evaluation of pyranoisoflavone derivatives as anti-inflammatory agents. FÃ¬toterapÃ¬Ã¢, 2014, 97, 172-183.	2.2	11
60	Synthesis and Biological Evaluation of 3-Methyl-5-phenylthieno[2,3-d]pyrimidine-2,4(1H,3H)-dione Derivatives for the Treatment of Diet-Induced Obesity. Chemical and Pharmaceutical Bulletin, 2014, 62, 883-891.	1.3	2
61	Synthesis and biological evaluation of novel pyranochalcone derivatives as a new class of microtubule stabilizing agents. European Journal of Medicinal Chemistry, 2013, 62, 579-589.	5.5	37
62	Influence of Organic Amendments on Adsorption, Desorption and Leaching of Methiopyrisulfuron in Soils. Journal of Integrative Agriculture, 2013, 12, 1589-1597.	3.5	13
63	Design, synthesis and biological evaluation of millepachine derivatives as a new class of tubulin polymerization inhibitors. Bioorganic and Medicinal Chemistry, 2013, 21, 6844-6854.	3.0	49
64	Millepachine, a novel chalcone, induces G 2 /M arrest by inhibiting CDK1 activity and causing apoptosis via ROS-mitochondrial apoptotic pathway in human hepatocarcinoma cells in vitro and in vivo. Carcinogenesis, 2013, 34, 1636-1643.	2.8	90
65	A Novel Small Molecule, (E)-5-(2,4-di-tert-butyl-6-((2,4-dioxothiazolidin-5-ylidene)methyl)phenyl)-5â€²-methyl-7,7â€²-dimethoxy-4,4â€²-bibenzo[d][7k), Alleviates the Development of d-Galactosamine/Lipopolysaccharide-Induced Acute Liver Failure by Inhibiting Macrophage Infiltration and Regulating Cytokine Expression. Journal of Pharmacology and Experimental Therapeutics, 2013, 344, 146-155.	2.5	5
66	Cytotoxic and apoptotic effects of constituents from Millettia pachycarpa Benth. FÃ¬toterapÃ¬Ã¢, 2012, 83, 1402-1408.	2.2	47
67	Semiâ€Synthesis and Biological Evaluation of 1,2,3â€Triazoleâ€Based Podophyllotoxin Congeners as Potent Antitumor Agents Inducing Apoptosis in HepG2 Cells. Archiv Der Pharmazie, 2012, 345, 945-956.	4.1	11
68	Rational design, synthesis, and pharmacological properties of pyranochalcone derivatives as potent anti-inflammatory agents. European Journal of Medicinal Chemistry, 2012, 54, 272-280.	5.5	22
69	Design, synthesis, and structureâ€“activity relationship studies of novel millepachine derivatives as potent antiproliferative agents. European Journal of Medicinal Chemistry, 2012, 54, 793-803.	5.5	33
70	Calcium carbonate microspheres as carriers for the anticancer drug camptothecin. Materials Science and Engineering C, 2012, 32, 2634-2640.	7.3	63
71	Synthesis and Antiangiogenic Activity of Novel Gambogic Acid Derivatives. Molecules, 2012, 17, 6249-6268.	3.8	15
72	Design, Synthesis, and Anti-Proliferative Evaluation of [1,1â€²-biphenyl]-4-ols as Inhibitor of HUVEC Migration and Tube Formation. Molecules, 2012, 17, 8091-8104.	3.8	10

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73	Design, synthesis and biological evaluation of thiazole- and indole-based derivatives for the treatment of type II diabetes. European Journal of Medicinal Chemistry, 2012, 52, 70-81.	5.5	48
74	Synthesis and Biological Evaluation of Novel 5-Benzylidenethiazolidine-2,4-dione Derivatives for the Treatment of Inflammatory Diseases. Journal of Medicinal Chemistry, 2011, 54, 2060-2068.	6.4	86
75	(Z)-5-(4-Methoxybenzylidene)thiazolidine-2,4-dione, a Novel Readily Available and Orally Active Glitazone, Attenuates the Bleomycin-Induced Pulmonary Fibrosis in Vivo. Biological and Pharmaceutical Bulletin, 2011, 34, 219-225.	1.4	4
76	Synthesis and biological evaluation of novel dimethyl[1,1â€²-biphenyl]-2,2â€²-dicarboxylate derivatives containing thiazolidine-2,4-dione for the treatment of concanavalin A-induced acute liver injury of BALB/c mice. European Journal of Medicinal Chemistry, 2011, 46, 5941-5948.	5.5	8
77	Synthesis and biological activity of novel barbituric and thiobarbituric acid derivatives against non-alcoholic fatty liver disease. European Journal of Medicinal Chemistry, 2011, 46, 2003-2010.	5.5	73
78	(E)-1-(5-Hydroxy-2,2-dimethyl-2H-chromen-6-yl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1265-o1265.	0.2	1
79	Synthesis, structural and in vitro studies of well-dispersed monomethoxy-poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.3	17
80	A phosphoinositide 3-kinase-Î³ inhibitor, AS605240 prevents bleomycin-induced pulmonary fibrosis in rats. Biochemical and Biophysical Research Communications, 2010, 397, 311-317.	2.1	54
81	Can Nonspecific Hostâ‹¯Guest Interaction Lead to Highly Specific Encapsulation by a Supramolecular Nanocapsule?. Macromolecules, 2009, 42, 6448-6456.	4.8	39