Xiao-Ming Wang

List of Publications by Year
in descending order

68 papers	1,620 citations	331670 21 h-index	330143 37 g-index
70 all docs	70 docs citations	70 times ranked	2126 citing authors

#	Article	IF	Citations
1	Differential relieving effects of shikonin and its derivatives on inflammation and mucosal barrier damage caused by ulcerative colitis. PeerJ, 2021, 9, e10675.	2.0	13
2	One pot synthesis of aryl nitriles from aromatic aldehydes in a water environment. RSC Advances, 2021, 11, 24232-24237.	3.6	4
3	Assessment of shikonin and acetyl-shikonin for mitigating quorum sensing potential of C. violaceum. Plant Growth Regulation, 2021, 94, 233-243.	3.4	1
4	Design, synthesis and biological evaluation of anilide (dicarboxylic acid) shikonin esters as antitumor agents through targeting PI3K/Akt/mTOR signaling pathway. Bioorganic Chemistry, 2021, 111, 104872.	4.1	14
5	Discovering Podophyllotoxin Derivatives as Potential Antiâ€Tubulin Agents: Design, Synthesis and Biological Evaluation. ChemistrySelect, 2020, 5, 10526-10536.	1.5	3
6	Shikonin and 4-hydroxytamoxifen synergistically inhibit the proliferation of breast cancer cells through activating apoptosis signaling pathway in vitro and in vivo. Chinese Medicine, 2020, 15, 23.	4.0	20
7	Assembly and shifts of the bacterial rhizobiome of field grown transgenic maize line carrying mcry1Ab and mcry2Ab genes at different developmental stages. Plant Growth Regulation, 2020, 91, 113-126.	3.4	8
8	An imidazo[1,5-Î±]pyridine-derivated fluorescence sensor for rapid and selective detection of sulfite. Talanta, 2020, 217, 121087.	5.5	20
9	Polaron States as a Massive Electron-Transfer Pathway at Heterojunction Interface. Journal of Physical Chemistry Letters, 2020, 11, 9184-9194.	4.6	14
10	Design, synthesis and biological evaluation of benzoylacrylic acid shikonin ester derivatives as irreversible dual inhibitors of tubulin and EGFR. Bioorganic and Medicinal Chemistry, 2019, 27, 115153.	3.0	16
11	Heterologous overexpression of Lithospermum erythrorhizon LeERF-1 gene increases drought and pathogen resistance in Arabidopsis. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	3
12	Nanoscale Metalâ€“Organic-Frameworks Coated by Biodegradable Organosilica for pH and Redox Dual Responsive Drug Release and High-Performance Anticancer Therapy. ACS Applied Materials & Interfaces, 2019, 11, 20678-20688.	8.0	62
13	Discovery and development of novel rhodanine derivatives targeting enoyl-acyl carrier protein reductase. Bioorganic and Medicinal Chemistry, 2019, 27, 1509-1516.	3.0	11
14	Design, synthesis and anti-cancer evaluation of novel podophyllotoxin derivatives as potent tubulin-targeting agents. Medicinal Chemistry Research, 2018, 27, 351-365.	2.4	5
15	Design and characterization of Î± -lipoic acyl shikonin ester twin drugs as tubulin and PDK1 dual inhibitors. European Journal of Medicinal Chemistry, 2018, 144, 137-150.	5.5	32
16	The evaluation of potent antitumor activities of shikonin coumarin-carboxylic acid, PMMB232 through HIF-1Î±-mediated apoptosis. Biomedicine and Pharmacotherapy, 2018, 97, 656-666.	5.6	21
17	Novel Podophyllotoxin Derivatives as Potential Tubulin Inhibitors: Design, Synthesis, and Antiproliferative Activity Evaluation. Chemistry and Biodiversity, 2018, 15, e1800289.	2.1	10
18	Design, synthesis, biological evaluation, and 3Dâ€‹QSARâ€“dioxazole combination as tubulin targeting anticancer agents. Chemical Biology and Drug Design, 2017, 90, 236-243.	3.2	15

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19	Design, Synthesis, and Biological Evaluation of Chalconeâ€Containing Shikonin Derivatives as Inhibitors of Tubulin Polymerization. ChemMedChem, 2017, 12, 399-406.	3.2	23
20	Identification of New Shikonin Derivatives as Antitumor Agents Targeting STAT3 SH2 Domain. Scientific Reports, 2017, 7, 2863.	3.3	33
21	Identification of new shikonin derivatives as STAT3 inhibitors. Biochemical Pharmacology, 2017, 146, 74-86.	4.4	43
22	Synthesis, characterization and biological evaluation of formononetin derivatives as novel EGFR inhibitors via inhibiting growth, migration and inducing apoptosis in breast cancer cell line. RSC Advances, 2017, 7, 48404-48419.	3.6	12
23	Design and synthesis of piperazine acetate podophyllotoxin ester derivatives targeting tubulin depolymerization as new anticancer agents. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4066-4074.	2.2	35
24	Salmonella produce microRNA-like RNA fragment Sal-1 in the infected cells to facilitate intracellular survival. Scientific Reports, 2017, 7, 2392.	3.3	37
25	Antiviral activity of a synthesized shikonin ester against influenza A (H1N1) virus and insights into its mechanism. Biomedicine and Pharmacotherapy, 2017, 93, 636-645.	5.6	21
26	Impact of Glyphosate on the Rhizosphere Microbial Communities of An EPSPS-Transgenic Soybean Line ZUTS31 by Metagenome Sequencing. Current Genomics, 2017, 19, 36-49.	1.6	10
27	Involvement of LeMDR, an ATP-binding cassette protein gene, in shikonin transport and biosynthesis in Lithospermum erythrorhizon. BMC Plant Biology, 2017, 17, 198.	3.6	12
28	Transgenic studies reveal the positive role of LeEIL-1 in regulating shikonin biosynthesis in Lithospermum erythrorhizon hairy roots. BMC Plant Biology, 2016, 16, 121.	3.6	15
29	Design, synthesis and anti-cancer activity evaluation of podophyllotoxin-norcantharidin hybrid drugs. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3237-3242.	2.2	24
30	Shikonin derivatives as inhibitors of tyrosyl-tRNA synthetase: design, synthesis and biological evaluation. RSC Advances, 2016, 6, 83003-83010.	3.6	5
31	Transgenic analysis reveals LeACS-1 as a positive regulator of ethylene-induced shikonin biosynthesis in Lithospermum erythrorhizon hairy roots. Plant Molecular Biology, 2016, 90, 345-358.	3.9	17
32	Synthesis of dihydropyrazole sulphonamide derivatives that act as anti-cancer agents through COX-2 inhibition. Pharmacological Research, 2016, 104, 86-96.	7.1	38
33	Synthesis of novel aryl dithian valeryl podophyllotoxin ester derivatives as potential antitubulin agents. RSC Advances, 2015, 5, 47511-47521.	3.6	9
34	Synthesis of aryl dihydrothiazol acyl shikonin ester derivatives as anticancer agents through microtubule stabilization. Biochemical Pharmacology, 2015, 96, 93-106.	4.4	23
35	Targeted photosensitizer nanoconjugates based on human serum albumin selectively kill tumor cells upon photo-irradiation. RSC Advances, 2015, 5, 50572-50579.	3.6	9
36	A Potent Anticancer Agent of Shikonin Derivative Targeting Tubulin. Chirality, 2015, 27, 274-280.	2.6	8

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37	Overexpression of LeMYB1 enhances shikonin formation by up-regulating key shikonin biosynthesis-related genes in Lithospermum erythrorhizon. Biologia Plantarum, 2015, 59, 429-435.	1.9	17
38	Design, synthesis and mechanism of novel shikonin derivatives as potent anticancer agents. RSC Advances, 2015, 5, 31759-31767.	3.6	14
39	Semi-synthesis and anti-lung cancer activity evaluation of aryl dihydrothiazol acyl podophyllotoxin ester derivatives. RSC Advances, 2015, 5, 27775-27784.	3.6	12
40	1,3,4-Thiadiazole: Synthesis, Reactions, and Applications in Medicinal, Agricultural, and Materials Chemistry. Chemical Reviews, 2014, 114, 5572-5610.	47.7	430
41	Synthesis and Biological Evaluation of Heterocyclic Carboxylic Acyl Shikonin Derivatives. Chemical Biology and Drug Design, 2014, 83, 334-343.	3.2	18
42	Design, synthesis, evaluation and 3D-QSAR analysis of benzosulfonamide benzenesulfonates as potent and selective inhibitors of MMP-2. RSC Advances, 2014, 4, 39214.	3.6	13
43	Design, synthesis and biological evaluation of shikonin thio-glycoside derivatives: new anti-tubulin agents. RSC Advances, 2014, 4, 49796-49805.	3.6	21
44	Synthesis and biological evaluation of novel shikonin ester derivatives as potential anti-cancer agents. RSC Advances, 2014, 4, 35588.	3.6	19
45	Novel Shikonin Derivatives Targeting Tubulin as Anticancer Agents. Chemical Biology and Drug Design, 2014, 84, 603-615.	3.2	27
46	Molecular cloning, characterization, and expression analysis of LeMYB1 from Lithospermum erythrorhizon. Biologia Plantarum, 2014, 58, 436-444.	1.9	11
47	Synthesis, biological evaluation and molecular docking studies of flavone and isoflavone derivatives as a novel class of KSP (kinesin spindle protein) inhibitors. European Journal of Medicinal Chemistry, 2013, 70, 427-433.	5.5	5
48	Design and Synthesis of Fluoroacylshikonin as an Anticancer Agent. Chirality, 2013, 25, 757-762.	2.6	14
49	Design, Synthesis and Biological Evaluation of Cinnamic Acyl Shikonin Derivatives. Chemical Biology and Drug Design, 2013, 81, 275-283.	3.2	28
50	Preparation, cellular uptake and angiogenic suppression of shikonin-containing liposomes inÂvitro and inÂvivo. Bioscience Reports, 2013, 33, e00020.	2.4	23
51	Design, synthesis and antimicrobial activities evaluation of Schiff base derived from secnidazole derivatives as potential FabH inhibitors. Bioorganic and Medicinal Chemistry, 2013, 21, 3120-3126.	3.0	29
52	Synthesis and antitumor activity of 1,3,4-oxadiazole possessing 1,4-benzodioxan moiety as a novel class of potent methionine aminopeptidase type II inhibitors. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 2876-2879.	2.2	44
53	Synthesis, docking and biological evaluation of isoquinolonic acid derivatives. Chemical Research in Chinese Universities, 2013, 29, 1110-1114.	2.6	1
54	1,3-Dioxo-2,3-dihydro-1H-isoindol-2-yl 2,3,4-tri-O-acetyl-Î²-D-xyloside. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o635-o635.	0.2	1

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55	Synthesis and Antimicrobial Activities of Oximes Derived from Oâ€Benzylhydroxylamine as FabH Inhibitors. ChemMedChem, 2012, 7, 1587-1593.	3.2	16
56	Design, synthesis and biological evaluation of N-phenylsulfonylnicotinamide derivatives as novel antitumor inhibitors. Bioorganic and Medicinal Chemistry, 2012, 20, 1411-1416.	3.0	4
57	Design, synthesis and biological evaluation of pyrazolyl-thiazolinone derivatives as potential EGFR and HER-2 kinase inhibitors. Bioorganic and Medicinal Chemistry, 2012, 20, 2010-2018.	3.0	42
58	Synthesis, biological evaluation, and molecular docking studies of 1,3,4-thiadiazol-2-amide derivatives as novel anticancer agents. Bioorganic and Medicinal Chemistry, 2012, 20, 2789-2795.	3.0	38
59	Synthesis, antibacterial activities and molecular docking studies of Schiff bases derived from N-(2/4-benzaldehyde-amino) phenyl-Nâ€²-phenyl-thiourea. Bioorganic and Medicinal Chemistry, 2011, 19, 5708-5715.	3.0	53
60	Cloning, characterization, and expression of LeEIL-1, an Arabidopsis EIN3 homolog, in Lithospermum erythrorhizon. Plant Cell, Tissue and Organ Culture, 2011, 106, 71-79.	2.3	8
61	Oxadiazole derivatives containing 1,4-benzodioxan as potential immunosuppressive agents against RAW264.7 cells. Bioorganic and Medicinal Chemistry, 2011, 19, 4895-4902.	3.0	19
62	1-(2,3,4,6-Tetra-O-acetyl-Î²-D-glucopyranosyl)-3-thioureidothiourea monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o242-o242.	0.2	2
63	Glucosyl anthranilate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2725-o2725.	0.2	1
64	2,3,4-Tri-O-acetyl-Î²-D-xylosyl 2,4-dichlorophenoxyacetate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o669-o669.	0.2	2
65	3-Methyl-2,6-dinitro-N-(3-pentyl)-4-[(2,3,4-tri-O-acetyl-Î²-D-xylosyl)aminomethyl]aniline. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1623-o1623.	0.2	1
66	Genetic structure of mulberry from different ecotypes revealed by ISSRs in China: An implications for conservation of local mulberry varieties. Scientia Horticulturae, 2007, 115, 47-55.	3.6	31
67	Novel Catalytic Method for Synthesis of Glycosyl Esters by Combining PTC with DMAP. Chemical Research in Chinese Universities, 2007, 23, 426-429.	2.6	0
68	New N-terminal prolyl-dipeptide derivatives as organocatalysts for direct asymmetric aldol reaction. Tetrahedron Letters, 2006, 47, 7793-7796.	1.4	29