Sai-Yang Zhang

List of Publications by Year
in descending order

55 papers	1,213 citations	331538 21 h-index	395590 33 g-index
58 all docs	58 docs citations	58 times ranked	1276 citing authors

#	Article	IF	Citations
1	Design, synthesis and evaluation of novel bis-substituted aromatic amide dithiocarbamate derivatives as colchicine site tubulin polymerization inhibitors with potent anticancer activities. European Journal of Medicinal Chemistry, 2022, 229, 114069.	2.6	34
2	Discovery of novel 1,2,4-triazine-chalcone hybrids as anti-gastric cancer agents via an axis of ROS-ERK-DR5 in vitro and in vivo. Arabian Journal of Chemistry, 2022, 15, 103644.	2.3	4
3	A novel aromatic amide derivative SY-65 co-targeted tubulin and histone deacetylase 1 with potent anticancer activity in vitro and in vivo. Biochemical Pharmacology, 2022, 201, 115070.	2.0	13
4	Discovery of novel coumarin-indole derivatives as tubulin polymerization inhibitors with potent anti-gastric cancer activities. European Journal of Medicinal Chemistry, 2022, 238, 114467.	2.6	27
5	Discovery of N-benzylarylamide derivatives as novel tubulin polymerization inhibitors capable of activating the Hippo pathway. European Journal of Medicinal Chemistry, 2022, 240, 114583.	2.6	20
6	Review of NEDDylation inhibition activity detection methods. Bioorganic and Medicinal Chemistry, 2021, 29, 115875.	1.4	5
7	Discovery of N-aryl sulphonamide-quinazoline derivatives as anti-gastric cancer agents in vitro and in vivo via activating the Hippo signalling pathway. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1715-1731.	2.5	6
8	Discovery of novel indole derivatives that inhibit NEDDylation and MAPK pathways against gastric cancer MGC803 cells. Bioorganic Chemistry, 2021, 107, 104634.	2.0	16
9	Progress of tubulin polymerization activity detection methods. Bioorganic and Medicinal Chemistry Letters, 2021, 37, 127698.	1.0	22
10	A review: hippo signaling pathway promotes tumor invasion and metastasis by regulating target gene expression. Journal of Cancer Research and Clinical Oncology, 2021, 147, 1569-1585.	1.2	30
11	Drug Discovery Targeting Focal Adhesion Kinase (FAK) as a Promising Cancer Therapy. Molecules, 2021, 26, 4250.	1.7	40
12	Discovery of Novel Diarylamide N-Containing Heterocyclic Derivatives as New Tubulin Polymerization Inhibitors with Anti-Cancer Activity. Molecules, 2021, 26, 4047.	1.7	4
13	Discovery of indoline derivatives as anticancer agents via inhibition of tubulin polymerization. Bioorganic and Medicinal Chemistry Letters, 2021, 43, 128095.	1.0	10
14	Design, Synthesis, and Anticancer Activity Studies of Novel Quinoline-Chalcone Derivatives. Molecules, 2021, 26, 4899.	1.7	19
15	Recent progress of oridonin and its derivatives for cancer therapy and drug resistance. Medicinal Chemistry Research, 2021, 30, 1795-1821.	1.1	5
16	Progress in the development of small molecular inhibitors of the Brutonâ€™s tyrosine kinase (BTK) as a promising cancer therapy. Bioorganic and Medicinal Chemistry, 2021, 47, 116358.	1.4	22
17	Discovery of 1,2,4-triazine dithiocarbamate derivatives as NEDDylation agonists to inhibit gastric cancers. European Journal of Medicinal Chemistry, 2021, 225, 113801.	2.6	15
18	Design, Synthesis and Anticancer Activity Studies of Novel Quinoline-Indole Derivatives. Chinese Journal of Organic Chemistry, 2021, 41, 3617.	0.6	5

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19	Ras/Raf/<scp>MEK</scp>/<scp>ERK</scp> pathway axis mediated neurotoxicity induced by highâ€risk pesticide <scp>residueâ€Avermectin</scp>. Environmental Toxicology, 2021, 36, 984-993.	2.1	5
20	Discovery of 1,2,4-triazine-based derivatives as novel neddylation inhibitors and anticancer activity studies against gastric cancer MGC-803 cells. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126791.	1.0	19
21	Discovery of tertiary amide derivatives incorporating benzothiazole moiety as anti-gastric cancer agents inÂvitro via inhibiting tubulin polymerization and activating the Hippo signaling pathway. European Journal of Medicinal Chemistry, 2020, 203, 112618.	2.6	42
22	Synthesis and Biological Evaluation of Amino Chalcone Derivatives as Antiproliferative Agents. Molecules, 2020, 25, 5530.	1.7	18
23	Discovery of novel tertiary amide derivatives as NEDDylation pathway activators to inhibit the tumor progression inÂvitro and inÂvivo. European Journal of Medicinal Chemistry, 2020, 192, 112153.	2.6	9
24	Design, Synthesis and Anticancer Activity Studies of Novel Trimethoxyphenyl-quinoline Derivatives. Chinese Journal of Organic Chemistry, 2020, 40, 978.	0.6	6
25	Synthesis and Anticancer Activity of Novel Coumarin Derivatives. Chinese Journal of Organic Chemistry, 2020, 40, 1598.	0.6	4
26	Antiproliferative Evaluation In Vitro of a New Chalcone Inducing Apoptosis by ROS Generation Against MGC-803 Cells. Pharmaceutical Chemistry Journal, 2019, 53, 539-543.	0.3	4
27	Discovery of indoline derivatives that inhibit esophageal squamous cell carcinoma growth by Noxa mediated apoptosis. Bioorganic Chemistry, 2019, 92, 103190.	2.0	4
28	Novel tertiary sulfonamide derivatives containing benzimidazole moiety as potent anti-gastric cancer agents: Design, synthesis and SAR studies. European Journal of Medicinal Chemistry, 2019, 183, 111731.	2.6	28
29	Discovery of novel chalcone-dithiocarbamates as ROS-mediated apoptosis inducers by inhibiting catalase. Bioorganic Chemistry, 2019, 86, 375-385.	2.0	24
30	Inulin with a low degree of polymerization protects human umbilical vein endothelial cells from hypoxia/reoxygenation-induced injury. Carbohydrate Polymers, 2019, 216, 97-106.	5.1	18
31	Antiproliferative Evaluation of (E)-3-(3-(Allyloxy)-2-Methoxyphenyl)-1-(2,4,6-Trimethoxyphenyl)Prop-2-En-1-One as a Novel Apoptosis Inducer Against Prostate Cancer PC-3 Cells. Pharmaceutical Chemistry Journal, 2019, 52, 917-922.	0.3	0
32	Molecular diversity of trimethoxyphenyl-1,2,3-triazole hybrids as novel colchicine site tubulin polymerization inhibitors. European Journal of Medicinal Chemistry, 2019, 165, 309-322.	2.6	50
33	Mechanisms of synergistic neurotoxicity induced by two high risk pesticide residues â€“ Chlorpyrifos and Carbofuran via oxidative stress. Toxicology in Vitro, 2019, 54, 338-344.	1.1	46
34	Efficient click reaction towards novel sulfonamide hybrids by molecular hybridization strategy as antiproliferative agents. Journal of Chemical Sciences, 2018, 130, 1.	0.7	8
35	Bioactive heterocycles containing a 3,4,5-trimethoxyphenyl fragment exerting potent antiproliferative activity through microtubule destabilization. European Journal of Medicinal Chemistry, 2018, 157, 50-61.	2.6	29
36	Design and synthesis of formononetin-dithiocarbamate hybrids that inhibit growth and migration of PC-3Âcells via MAPK/Wnt signaling pathways. European Journal of Medicinal Chemistry, 2017, 127, 87-99.	2.6	43

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37	Structure-Activity Relationship Studies of Î²-Lactam-azide Analogues as Orally Active Antitumor Agents Targeting the Tubulin Colchicine Site. Scientific Reports, 2017, 7, 12788.	1.6	30
38	A novel chalcone derivative S17 induces apoptosis through ROS dependent DR5 up-regulation in gastric cancer cells. Scientific Reports, 2017, 7, 9873.	1.6	42
39	Synthesis and biological evaluation of glycosides containing triazene-chalcones. Molecular Diversity, 2017, 21, 957-966.	2.1	4
40	Molecular diversity of phenothiazines: design and synthesis of phenothiazineâ€“dithiocarbamate hybrids as potential cell cycle blockers. Molecular Diversity, 2017, 21, 933-942.	2.1	10
41	Discovery of 5,6-diaryl-1,2,4-triazines hybrids as potential apoptosis inducers. European Journal of Medicinal Chemistry, 2017, 138, 1076-1088.	2.6	35
42	Design and Antiproliferative Evaluation of Novel Sulfanilamide Derivatives as Potential Tubulin Polymerization Inhibitors. Molecules, 2017, 22, 1470.	1.7	20
43	Design, Synthesis and Structure-Activity Relationships of Novel Chalcone-1,2,3-triazole-azole Derivates as Antiproliferative Agents. Molecules, 2016, 21, 653.	1.7	43
44	Synthesis and bioactivity of novel coumarin derivatives. Chemistry of Heterocyclic Compounds, 2016, 52, 374-378.	0.6	7
45	A new brominated chalcone derivative suppresses the growth of gastric cancer cells in vitro and in vivo involving ROS mediated up-regulation of DR5 and 4 expression and apoptosis. Toxicology and Applied Pharmacology, 2016, 309, 77-86.	1.3	22
46	Design, synthesis and antiproliferative activity studies of novel dithiocarbamateâ€“chalcone derivates. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3918-3922.	1.0	51
47	Design and Antiproliferative Activity of N-Heterocycle-Chalcone Derivatives. Journal of Chemical Research, 2016, 40, 620-623.	0.6	11
48	Design, Synthesis and Antiproliferative Evaluation of 3-Aminopropyloxy Derivatives of Chalcone. Journal of Chemical Research, 2016, 40, 624-627.	0.6	7
49	Design, synthesis and antiproliferative activity studies of 1,2,3-triazoleâ€“chalcones. MedChemComm, 2016, 7, 1664-1671.	3.5	42
50	Flavokawain A induces deNEDDylation and Skp2 degradation leading to inhibition of tumorigenesis and cancer progression in the TRAMP transgenic mouse model. Oncotarget, 2015, 6, 41809-41824.	0.8	41
51	Molecular Targeted Approaches to Cancer Therapy and Prevention Using Chalcones. Current Cancer Drug Targets, 2014, 14, 181-200.	0.8	98
52	Diterpenoid alkaloids from Aconitum kirinense. Journal of Asian Natural Products Research, 2013, 15, 78-83.	0.7	10
53	Histone Lysine-Specific Methyltransferases and Demethylases in Carcinogenesis: New Targets for Cancer Therapy and Prevention. Current Cancer Drug Targets, 2013, 13, 558-579.	0.8	65
54	Isolation, characterization and cytotoxic activity of benzophenone glucopyranosides from Mahkota Dewa (Phaleria macrocarpa (Scheff.) Boerl). Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6862-6866.	1.0	16

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55	The Henry reaction of (1R)-(1,4:3,6-dianhydro-d-mannitol-2-yl)-1,4:3,6-dianhydro-d-fructose 5,5â€²-dinitrate. Different reactive features of nitromethane to nitroethane. Carbohydrate Research, 2009, 344, 2439-2443.	1.1	3