Wannian Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

		218592	175177
64	2,838	26	52
papers	citations	h-index	g-index

65	65	65	4355
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chalcone: A Privileged Structure in Medicinal Chemistry. Chemical Reviews, 2017, 117, 7762-7810.	23.0	938
2	Scaffold Diversity Inspired by the Natural Product Evodiamine: Discovery of Highly Potent and Multitargeting Antitumor Agents. Journal of Medicinal Chemistry, 2015, 58, 6678-6696.	2.9	156
3	Small molecule-drug conjugates: A novel strategy for cancer-targeted treatment. European Journal of Medicinal Chemistry, 2019, 163, 883-895.	2.6	115
4	Small Molecule Inhibitors Simultaneously Targeting Cancer Metabolism and Epigenetics: Discovery of Novel Nicotinamide Phosphoribosyltransferase (NAMPT) and Histone Deacetylase (HDAC) Dual Inhibitors. Journal of Medicinal Chemistry, 2017, 60, 7965-7983.	2.9	87
5	Discovery of Janus Kinase 2 (JAK2) and Histone Deacetylase (HDAC) Dual Inhibitors as a Novel Strategy for the Combinational Treatment of Leukemia and Invasive Fungal Infections. Journal of Medicinal Chemistry, 2018, 61, 6056-6074.	2.9	84
6	Inhibitor of Apoptosis Protein (IAP) Antagonists in Anticancer Agent Discovery: Current Status and Perspectives. Journal of Medicinal Chemistry, 2019, 62, 5750-5772.	2.9	78
7	Meeting Organocatalysis with Drug Discovery: Asymmetric Synthesis of 3,3â€²-Spirooxindoles Fused with Tetrahydrothiopyrans as Novel p53-MDM2 Inhibitors. Organic Letters, 2016, 18, 1028-1031.	2.4	77
8	Transcription factor NRF2 as a promising therapeutic target for Alzheimerâ€™s disease. Free Radical Biology and Medicine, 2020, 159, 87-102.	1.3	73
9	Design, synthesis and antifungal activity of novel triazole derivatives containing substituted 1,2,3-triazole-piperdine side chains. European Journal of Medicinal Chemistry, 2014, 82, 490-497.	2.6	68
10	Divergent Cascade Construction of Skeletally Diverse â€œPrivilegedâ€•Pyrazoleâ€Derived Molecular Architectures. European Journal of Organic Chemistry, 2015, 2015, 2030-2037.	1.2	67
11	Discovery of Novel Multiacting Topoisomerase I/II and Histone Deacetylase Inhibitors. ACS Medicinal Chemistry Letters, 2015, 6, 239-243.	1.3	64
12	Novel spiropyrazolone antitumor scaffold with potent activity: Design, synthesis and structureâ€“activity relationship. European Journal of Medicinal Chemistry, 2016, 115, 141-147.	2.6	53
13	Chlorin p₆-Based Water-Soluble Amino Acid Derivatives as Potent Photosensitizers for Photodynamic Therapy. Journal of Medicinal Chemistry, 2016, 59, 4999-5010.	2.9	53
14	Novel Carboline Derivatives as Potent Antifungal Lead Compounds: Design, Synthesis, and Biological Evaluation. ACS Medicinal Chemistry Letters, 2014, 5, 506-511.	1.3	49
15	Novel fluorescent probes of 10-hydroxyevodiamine: autophagy and apoptosis-inducing anticancer mechanisms. Acta Pharmaceutica Sinica B, 2019, 9, 144-156.	5.7	46
16	Protective effects of aloin on oxygen and glucose deprivation-induced injury in PC12 cells. Brain Research Bulletin, 2016, 121, 75-83.	1.4	41
17	Dual NAMPT/HDAC Inhibitors as a New Strategy for Multitargeting Antitumor Drug Discovery. ACS Medicinal Chemistry Letters, 2018, 9, 34-38.	1.3	41
18	N-(7-Cyano-6-(4-fluoro-3-(2-(3-(trifluoromethyl)phenyl)acetamido)phenoxy)benzo[d]thiazol-2-yl)cyclopropanecarboxamide (TAK-632) Analogues as Novel Necroptosis Inhibitors by Targeting Receptor-Interacting Protein Kinase 3 (RIPK3): Synthesis, Structureâ€“Activity Relationships, and in Vivo Efficacy. Journal of Medicinal Chemistry, 2019, 62, 6665-6681.	2.9	39

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19	An Indoleâ€“Chalcone Inhibits Multidrug-Resistant Cancer Cell Growth by Targeting Microtubules. Molecular Pharmaceutics, 2018, 15, 3892-3900.	2.3	36
20	Direct inhibition of Keap1-Nrf2 Protein-Protein interaction as a potential therapeutic strategy for Alzheimer's disease. Bioorganic Chemistry, 2020, 103, 104172.	2.0	36
21	Ligand-based substituent-anchoring design of selective receptor-interacting protein kinase 1 necroptosis inhibitors for ulcerative colitis therapy. Acta Pharmaceutica Sinica B, 2021, 11, 3193-3205.	5.7	35
22	Design, synthesis and biological activity of piperlongumine derivatives as selective anticancer agents. European Journal of Medicinal Chemistry, 2014, 82, 545-551.	2.6	33
23	Mechanism and Improved Dissolution of Glycyrrhetinic Acid Solid Dispersion by Alkalizers. Pharmaceutics, 2020, 12, 82.	2.0	33
24	Novel benzothiazole derivatives with a broad antifungal spectrum: design, synthesis and structureâ€“activity relationships. MedChemComm, 2013, 4, 1551.	3.5	32
25	Fragment-growing guided design of Keap1-Nrf2 protein-protein interaction inhibitors for targeting myocarditis. Free Radical Biology and Medicine, 2018, 117, 228-237.	1.3	32
26	Scaffold hopping of sampangine: Discovery of potent antifungal lead compound against Aspergillus fumigatus and Cryptococcus neoformans. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4090-4094.	1.0	27
27	Strategies in the discovery of novel antifungal scaffolds. Future Medicinal Chemistry, 2016, 8, 1435-1454.	1.1	27
28	Discovery of benzothiazole derivatives as novel non-sulfamide NEDD8 activating enzyme inhibitors by target-based virtual screening. European Journal of Medicinal Chemistry, 2017, 133, 174-183.	2.6	26
29	Structural Biology-Inspired Discovery of Novel KRASâ€“PDEÎ´ Inhibitors. Journal of Medicinal Chemistry, 2017, 60, 9400-9406.	2.9	26
30	Discovery of bardoxolone derivatives as novel orally active necroptosis inhibitors. European Journal of Medicinal Chemistry, 2021, 212, 113030.	2.6	23
31	Structure-based bioisosterism design of thio-benzoxazepinones as novel necroptosis inhibitors. European Journal of Medicinal Chemistry, 2021, 220, 113484.	2.6	21
32	Design, Synthesis and Biological Evaluation of Sulfamide and Triazole Benzodiazepines as Novel p53-MDM2 Inhibitors. International Journal of Molecular Sciences, 2014, 15, 15741-15753.	1.8	19
33	Exposure to a mixture of cigarette smoke carcinogens disturbs gut microbiota and influences metabolic homeostasis in A/J mice. Chemico-Biological Interactions, 2021, 344, 109496.	1.7	19
34	Structure-based molecular hybridization design of Keap1-Nrf2 inhibitors as novel protective agents of acute lung injury. European Journal of Medicinal Chemistry, 2021, 222, 113599.	2.6	19
35	Discovery of simplified sampangine derivatives as novel fungal biofilm inhibitors. European Journal of Medicinal Chemistry, 2018, 143, 1510-1523.	2.6	18
36	Novel non-trimethoxylphenyl piperlongumine derivatives selectively kill cancer cells. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2308-2312.	1.0	16

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37	Isoliquiritigenin Nanosuspension Enhances Cytostatic Effects in A549 Lung Cancer Cells. Planta Medica, 2020, 86, 538-547.	0.7	15
38	Discovery of 1-arylpyrrolidone derivatives as potent p53â€“MDM2 inhibitors based on molecule fusing strategy. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2648-2650.	1.0	14
39	Identification of benzothiophene amides as potent inhibitors of human nicotinamide phosphoribosyltransferase. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 765-768.	1.0	14
40	Structureâ€“activity relationships of tetrahydrocarbazole derivatives as antifungal lead compounds. MedChemComm, 2013, 4, 353-362.	3.5	13
41	Targeting Necroptosis as a Promising Therapy for Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2022, 13, 1697-1713.	1.7	13
42	Discovery of 7â€Methylâ€10â€Hydroxyhomocamptothecins with 1,2,3â€Triazole Moiety as Potent Topoisomerase I Inhibitors. Chemical Biology and Drug Design, 2016, 88, 398-403.	1.5	12
43	Design, synthesis and evaluation of 4-substituted anthra[2,1-c][1,2,5]thiadiazole-6,11-dione derivatives as novel non-camptothecin topoisomerase I inhibitors. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1929-1933.	1.0	12
44	Discovery of new Syk inhibitors through structure-based virtual screening. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1776-1779.	1.0	11
45	A novel drug discovery strategy: Mechanistic investigation of an enantiomeric antitumor agent targeting dual p53 and NF-ÎºB pathways. Oncotarget, 2014, 5, 10830-10839.	0.8	11
46	Î²â€Alanineâ€DBU: A Highly Efficient Catalytic System for Knoevenagelâ€Doebner Reaction under Mild Conditions. Chinese Journal of Chemistry, 2012, 30, 139-143.	2.6	10
47	Discovery of highly potent triazoleantifungal agents with piperidine-oxadiazole side chains. MedChemComm, 2015, 6, 653-664.	3.5	10
48	Investigation on the chemical space of the substituted triazole thio-benzoxazepinone RIPK1 inhibitors. European Journal of Medicinal Chemistry, 2022, 236, 114345.	2.6	10
49	Synthesis and biological activities of fluorinated 10-hydroxycamptothecin and SN38. Journal of Fluorine Chemistry, 2014, 157, 48-51.	0.9	9
50	The discovery and characterization of a novel scaffold as a potent hepatitis C virus inhibitor. Chemical Communications, 2016, 52, 3340-3343.	2.2	9
51	Identification of potent catalytic inhibitors of human DNA topoisomerase II by structure-based virtual screening. MedChemComm, 2018, 9, 1142-1146.	3.5	9
52	Discovery of highly potent antifungal triazoles by structure-based lead fusion. MedChemComm, 2011, 2, 1066.	3.5	8
53	Facile construction of pyrrolo[1,2-b]isoquinolin-10(5H)-ones via a redox-aminationâ€“aromatizationâ€“Friedelâ€“Crafts acylation cascade reaction and discovery of novel topoisomerase inhibitors. Chemical Communications, 2016, 52, 9593-9596.	2.2	8
54	Preparation and characterization of wet-milled cyclovirobuxine D nanosuspensions. Journal of Thermal Analysis and Calorimetry, 2020, 139, 1959-1970.	2.0	7

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55	Garlic oil blocks tobacco carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK)-induced lung tumorigenesis by inducing phase II drug-metabolizing enzymes. Food and Chemical Toxicology, 2021, 157, 112581.	1.8	7
56	Constructing virtual combinatorial fragment libraries based upon MDL Drug Data Report database. Science in China Series B: Chemistry, 2007, 50, 364-371.	0.8	6
57	Topoisomerase Iâ€Mediated Antiproliferative Activity of 10â€Substituted and 12â€Substituted Homocamptothecins. Chemistry and Biodiversity, 2011, 8, 1539-1549.	1.0	5
58	Enantiomeric profiling of a chiral benzothiazole necroptosis inhibitor. Bioorganic and Medicinal Chemistry Letters, 2021, 43, 128084.	1.0	5
59	Design, Synthesis and Biological Activity of (20S,21S)â€7â€Cyclohexylâ€21â€fluorocamptothecin Carbamates as Potential Antitumor Agents. Chemistry and Biodiversity, 2020, 17, e2000068.	1.0	4
60	Simultaneous determination of both kavalactone and flavokawain constituents by different singleâ€marker methods in kava. Journal of Separation Science, 2021, 44, 2705-2716.	1.3	3
61	Asymmetric Synthesis, Antifungal Activity and Molecular Modeling of Iodiconazole Isomers. Chinese Journal of Chemistry, 2013, 31, 1139-1143.	2.6	2
62	Identification of pyrazolopyridine derivatives as novel spleen tyrosine kinase inhibitors. Archiv Der Pharmazie, 2018, 351, 1800083.	2.1	2
63	Biological Activity, Hepatotoxicity, and Structure-Activity Relationship of Kavalactones and Flavokavins, the Two Main Bioactive Components in Kava (Piper methysticum). Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-14.	0.5	2
64	A method of active conformation search based on active and inactive analogues and its application to allylamine antimycotics. Science in China Series C: Life Sciences, 1999, 42, 538-547.	1.3	0