Chun-Lin Zhuang

List of Publications by Year
in descending order

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Version: 2024-02-01

102	3,541	185998	161609
papers	citations	28 h-index	54 g-index

107	107	107	4371
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure-based optimizations of a necroptosis inhibitor (SZM594) as novel protective agents of acute lung injury. Chinese Chemical Letters, 2022, 33, 2545-2549.	4.8	19
2	Characterization of Different Forms of Kava (Piper methysticum) Products by UPLC-MS/MS. Planta Medica, 2022, 88, 1348-1359.	0.7	5
3	Discovery of a Potent Botulinum Neurotoxin A Inhibitor <scp>ZM299</scp> with Effective Protections in Botulism Mice. Chinese Journal of Chemistry, 2022, 40, 357-364.	2.6	5
4	Structure-Based design of Marine-derived Meridianin C derivatives as glycogen synthase kinase 3Î² inhibitors with improved oral bioavailability: From aminopyrimidyl-indoles to the sulfonyl analogues. Bioorganic Chemistry, 2022, 119, 105537.	2.0	5
5	Discovery of Novel Pyridine-Dimethyl-Phenyl-DAPY Hybrids by Molecular Fusing of Methyl-Pyrimidine-DAPYs and Difluoro-Pyridinyl-DAPYs: Improving the Druggability toward High Inhibitory Activity, Solubility, Safety, and PK. Journal of Medicinal Chemistry, 2022, 65, 2122-2138.	2.9	10
6	Peramivir, an Anti-Influenza Virus Drug, Exhibits Potential Anti-Cytokine Storm Effects. Frontiers in Immunology, 2022, 13, 856327.	2.2	3
7	Investigation on the chemical space of the substituted triazole thio-benzoxazepinone RIPK1 inhibitors. European Journal of Medicinal Chemistry, 2022, 236, 114345.	2.6	10
8	Targeting Necroptosis as a Promising Therapy for Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2022, 13, 1697-1713.	1.7	13
9	Crystallography-Guided Optimizations of the Keap1â€“Nrf2 Inhibitors on the Solvent Exposed Region: From Symmetric to Asymmetric Naphthalenesulfonamides. Journal of Medicinal Chemistry, 2022, 65, 8289-8302.	2.9	11
10	Homobivalent, Trivalent, and Covalent PROTACs: Emerging Strategies for Protein Degradation. Journal of Medicinal Chemistry, 2022, 65, 8798-8827.	2.9	15
11	Discovery of bardoxolone derivatives as novel orally active necroptosis inhibitors. European Journal of Medicinal Chemistry, 2021, 212, 113030.	2.6	23
12	Radiosensitization of human pancreatic cancer by piperlongumine analogues. Chinese Chemical Letters, 2021, 32, 1197-1201.	4.8	21
13	DNA-encoded libraries (DELs): a review of on-DNA chemistries and their output. RSC Advances, 2021, 11, 2359-2376.	1.7	67
14	Druggability modification strategies of the diarylpyrimidineâ€type nonâ€nucleoside reverse transcriptase inhibitors. Medicinal Research Reviews, 2021, 41, 1255-1290.	5.0	24
15	Structural-Based Optimizations of the Marine-Originated Meridianin C as Glucose Uptake Agents by Inhibiting GSK-3Î². Marine Drugs, 2021, 19, 149.	2.2	11
16	Hydrophobic Pocket Occupation Design of Difluoro-Biphenyl-Diarylpyrimidines as Non-Nucleoside HIV-1 Reverse Transcriptase Inhibitors: from N-Alkylation to Methyl Hopping on the Pyrimidine Ring. Journal of Medicinal Chemistry, 2021, 64, 5067-5081.	2.9	12
17	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
18	Chemical space exploration of novel naphthyl-carboxamide-diarylpyrimidine derivatives with potent anti-HIV-1 activity. Bioorganic Chemistry, 2021, 111, 104905.	2.0	3

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19	The multitargeted kinase inhibitor KW-2449 ameliorates cisplatin-induced nephrotoxicity by targeting RIPK1-mediated necroptosis. Biochemical Pharmacology, 2021, 188, 114542.	2.0	12
20	Enantiomeric profiling of a chiral benzothiazole necroptosis inhibitor. Bioorganic and Medicinal Chemistry Letters, 2021, 43, 128084.	1.0	5
21	Improving Druggability of Novel Diarylpyrimidine NNRTIs by a Fragment-Based Replacement Strategy: From Biphenyl-DAPYs to Heteroaromatic-Biphenyl-DAPYs. Journal of Medicinal Chemistry, 2021, 64, 10297-10311.	2.9	15
22	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
23	Structure-based bioisosterism design of thio-benzoxazepinones as novel necroptosis inhibitors. European Journal of Medicinal Chemistry, 2021, 220, 113484.	2.6	21
24	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
25	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
26	Design of the naphthyl-diarylpyrimidines as potent non-nucleoside reverse transcriptase inhibitors (NNRTIs) via structure-based extension into the entrance channel. European Journal of Medicinal Chemistry, 2021, 226, 113868.	2.6	10
27	Natural Indole Alkaloids from Marine Fungi: Chemical Diversity and Biological Activities. Pharmaceutical Fronts, 2021, 03, e139-e163.	0.4	2
28	Oxymatrine protects neonatal rat against hypoxic-ischemic brain damage via PI3K/Akt/GSK3Î² pathway. Life Sciences, 2020, 254, 116444.	2.0	27
29	Anthraquinone derivatives from a coral associated fungus Stemphylium lycopersici. Natural Product Research, 2020, 34, 2116-2123.	1.0	11
30	Small-Molecule Inhibitors of Necroptosis: Current Status and Perspectives. Journal of Medicinal Chemistry, 2020, 63, 1490-1510.	2.9	56
31	Molecular Hybridization-Inspired Optimization of Diarylbenzopyrimidines as HIV-1 Nonnucleoside Reverse Transcriptase Inhibitors with Improved Activity against K103N and E138K Mutants and Pharmacokinetic Profiles. ACS Infectious Diseases, 2020, 6, 787-801.	1.8	26
32	Fragment hopping-based discovery of novel sulfinylacetamide-diarylpyrimidines (DAPYs) as HIV-1 nonnucleoside reverse transcriptase inhibitors. European Journal of Medicinal Chemistry, 2020, 185, 111874.	2.6	9
33	Improving the positional adaptability: structure-based design of biphenyl-substituted diaryltriazines as novel non-nucleoside HIV-1 reverse transcriptase inhibitors. Acta Pharmaceutica Sinica B, 2020, 10, 344-357.	5.7	29
34	Fragment-based discovery of sulfur-containing diarylbenzopyrimidines as novel nonnucleoside reverse transcriptase inhibitors. Chinese Chemical Letters, 2020, 31, 764-768.	4.8	25
35	Development of non-nucleoside reverse transcriptase inhibitors (NNRTIs): our past twenty years. Acta Pharmaceutica Sinica B, 2020, 10, 961-978.	5.7	79
36	Drug repurposing of anti-infective clinical drugs: Discovery of two potential anti-cytokine storm agents. Biomedicine and Pharmacotherapy, 2020, 131, 110643.	2.5	17

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37	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
38	Design strategies for long-acting anti-HIV pharmaceuticals. Current Opinion in Pharmacology, 2020, 54, 158-165.	1.7	12
39	Dietary 5,6,7-Trihydroxy-flavonoid Aglycones and 1-Deoxynojirimycin Synergistically Inhibit the Recombinant Maltaseâ€“Glucoamylase Subunit of Î±-Glucosidase and Lower Postprandial Blood Glucose. Journal of Agricultural and Food Chemistry, 2020, 68, 8774-8787.	2.4	17
40	Transcription factor NRF2 as a promising therapeutic target for Alzheimerâ€™s disease. Free Radical Biology and Medicine, 2020, 159, 87-102.	1.3	73
41	Enantioselective Total Syntheses of (â^')â€20â€epiâ€Vincamine and (â^')â€20â€epiâ€Eburnamonine by Irâ€Catalyzed Asymmetric Imine Hydrogenation/Lactamization Cascade. Chemistry - A European Journal, 2020, 26, 10439-10443.	1.7	17
42	Stereoselective Synthesis of (â^')-Verazine and Congeners via a Cascade Ring-Switching Process of Furostan-26-acid. Organic Letters, 2020, 22, 2761-2765.	2.4	2
43	Asymmetric synthesis of (â^')-solanidine and (â^')-tomatidenol. Organic and Biomolecular Chemistry, 2020, 18, 3169-3176.	1.5	7
44	Design of Biphenyl-Substituted Diarylpyrimidines with a Cyanomethyl Linker as HIV-1 NNRTIs via a Molecular Hybridization Strategy. Molecules, 2020, 25, 1050.	1.7	11
45	Bioisosterism-based design and enantiomeric profiling of chiral hydroxyl-substituted biphenyl-diarylpyrimidine nonnucleoside HIV-1 reverse transcriptase inhibitors. European Journal of Medicinal Chemistry, 2020, 202, 112549.	2.6	13
46	The Bcr-Abl inhibitor GNF-7 inhibits necroptosis and ameliorates acute kidney injury by targeting RIPK1 and RIPK3 kinases. Biochemical Pharmacology, 2020, 177, 113947.	2.0	20
47	Privileged scaffold inspired design of novel oxime-biphenyl-DAPYs in treatment of HIV-1. Bioorganic Chemistry, 2020, 99, 103825.	2.0	14
48	Scaffold Hopping in Discovery of HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors: From CH(CN)-DABOs to CH(CN)-DAPYs. Molecules, 2020, 25, 1581.	1.7	8
49	Pharmacophore-fusing design of pyrimidine sulfonylacetanilides as potent non-nucleoside inhibitors of HIV-1 reverse transcriptase. Bioorganic Chemistry, 2020, 96, 103595.	2.0	11
50	Conformational restriction design of thiophene-biphenyl-DAPY HIV-1 non-nucleoside reverse transcriptase inhibitors. European Journal of Medicinal Chemistry, 2019, 182, 111603.	2.6	22
51	Design, synthesis, and biological evaluation of novel trimethoxyindole derivatives derived from natural products. Monatshefte FÃ¼r Chemie, 2019, 150, 1545-1552.	0.9	3
52	Ligand-Based Design of Nondimethylphenyl-Diarylpyrimidines with Improved Metabolic Stability, Safety, and Oral Pharmacokinetic Profiles. Journal of Medicinal Chemistry, 2019, 62, 11430-11436.	2.9	32
53	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
54	Follow on-based optimization of the biphenyl-DAPYs as HIV-1 nonnucleoside reverse transcriptase inhibitors against the wild-type and mutant strains. Bioorganic Chemistry, 2019, 89, 102974.	2.0	21

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55	N-(7-Cyano-6-(4-fluoro-3-(2-(3-(trifluoromethyl)phenyl)acetamido)phenoxy)benzo[d]thiazol-2-yl)cyclopropanecarboxam (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
56	Identification of the Raf kinase inhibitor TAKâ€632 and its analogues as potent inhibitors of necroptosis by targeting RIPK1 and RIPK3. British Journal of Pharmacology, 2019, 176, 2095-2108.	2.7	41
57	Osteoclastogenesis Regulation Metabolites from the Coral-Associated Fungus Pseudallescheria boydii TW-1024-3. Journal of Natural Products, 2019, 82, 1274-1282.	1.5	28
58	Neuroprotective Effect of Swertiamain on Cerebral Ischemia/Reperfusion Injury by Inducing the Nrf2 Protective Pathway. ACS Chemical Neuroscience, 2019, 10, 2276-2286.	1.7	47
59	Small molecule-drug conjugates: A novel strategy for cancer-targeted treatment. European Journal of Medicinal Chemistry, 2019, 163, 883-895.	2.6	115
60	Methodology of drug screening and target identification for new necroptosis inhibitors. Journal of Pharmaceutical Analysis, 2019, 9, 71-76.	2.4	10
61	Discovery of Novel KRAS-PDEÎ´ Inhibitors by Fragment-Based Drug Design. Journal of Medicinal Chemistry, 2018, 61, 2604-2610.	2.9	26
62	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
63	Identification of a novel small-molecule Keap1â€“Nrf2 PPI inhibitor with cytoprotective effects on LPS-induced cardiomyopathy. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 833-841.	2.5	50
64	Oroxin A from Oroxylum indicum prevents the progression from prediabetes to diabetes in streptozotocin and high-fat diet induced mice. Phytomedicine, 2018, 38, 24-34.	2.3	31
65	Osteoclastogenesis Inhibitory Polyketides from the Spongeâ€Associated Fungus Xylaria feejeensis. Chemistry and Biodiversity, 2018, 15, e1800358.	1.0	19
66	High-Throughput Screening in the Discovery of Small-Molecule Inhibitors of Protein-Protein Interactions. , 2018, , 29-51.		2
67	An Indoleâ€“Chalcone Inhibits Multidrug-Resistant Cancer Cell Growth by Targeting Microtubules. Molecular Pharmaceutics, 2018, 15, 3892-3900.	2.3	36
68	Swinhoeisterols from the South China Sea Sponge Theonella swinhoei. Journal of Natural Products, 2018, 81, 1645-1650.	1.5	26
69	Novel non-trimethoxylphenyl piperlongumine derivatives selectively kill cancer cells. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2308-2312.	1.0	16
70	Chalcone: A Privileged Structure in Medicinal Chemistry. Chemical Reviews, 2017, 117, 7762-7810.	23.0	938
71	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
72	Trivaric acid, a new inhibitor of PTP1b with potent beneficial effect on diabetes. Life Sciences, 2017, 169, 52-64.	2.0	23

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73	Immunomodulatory Polyketides from a Phoma-like Fungus Isolated from a Soft Coral. Journal of Natural Products, 2017, 80, 2930-2940.	1.5	26
74	Structural Biology-Inspired Discovery of Novel KRASâ€“PDEÎ´ Inhibitors. Journal of Medicinal Chemistry, 2017, 60, 9400-9406.	2.9	26
75	Design and synthesis of novel PRMT1 inhibitors and investigation of their binding preferences using molecular modelling. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4635-4642.	1.0	16
76	Dietary Flavonoids and Acarbose Synergistically Inhibit Î±-Glucosidase and Lower Postprandial Blood Glucose. Journal of Agricultural and Food Chemistry, 2017, 65, 8319-8330.	2.4	134
77	Environment-sensitive turn-on fluorescent probes for p53â€“MDM2 proteinâ€“protein interaction. MedChemComm, 2017, 8, 1668-1672.	3.5	10
78	Varic acid analogues from fungus as PTP1B inhibitors: Biological evaluation and structureâ€“activity relationships. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3382-3385.	1.0	12
79	Small molecules inhibiting Keap1â€“Nrf2 proteinâ€“protein interactions: a novel approach to activate Nrf2 function. MedChemComm, 2017, 8, 286-294.	3.5	55
80	Design, synthesis and structureâ€“activity relationship of 4,5-dihydropyrrolo[3,4- c]pyrazol-6(1 H)-ones as potent p53-MDM2 inhibitors. Chinese Chemical Letters, 2017, 28, 422-425.	4.8	13
81	Chemistry and Selective Tumor Cell Growth Inhibitory Activity of Polyketides from the South China Sea Sponge Plakortis sp.. Marine Drugs, 2017, 15, 129.	2.2	11
82	Chemistry and Bioactivity of Briaranes from the South China Sea Gorgonian Dichotella gemmacea. Marine Drugs, 2016, 14, 201.	2.2	12
83	Bissubvilides A and B, Cembraneâ€“Capnosane Heterodimers from the Soft Coral Sarcophyton subviride. Journal of Natural Products, 2016, 79, 2552-2558.	1.5	49
84	Unambiguous Identification of Î²â€Tubulin as the Direct Cellular Target Responsible for the Cytotoxicity of Chalcone by Photoaffinity Labeling. ChemMedChem, 2016, 11, 1436-1445.	1.6	14
85	A Fluorescent Probe for Imaging p53â€“<scp>MDM</scp>2 Proteinâ€“Protein Interaction. Chemical Biology and Drug Design, 2015, 85, 411-417.	1.5	15
86	Briarane Diterpenoids from the Gorgonian Dichotella gemmacea. Marine Drugs, 2014, 12, 6178-6189.	2.2	7
87	Double-Edged Swords as Cancer Therapeutics: Novel, Orally Active, Small Molecules Simultaneously Inhibit p53â€“MDM2 Interaction and the NF-ÎºB Pathway. Journal of Medicinal Chemistry, 2014, 57, 567-577.	2.9	45
88	Rapid Identification of Keap1â€“Nrf2 Small-Molecule Inhibitors through Structure-Based Virtual Screening and Hit-Based Substructure Search. Journal of Medicinal Chemistry, 2014, 57, 1121-1126.	2.9	127
89	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
90	Design, synthesis and biological activity of piperlongumine derivatives as selective anticancer agents. European Journal of Medicinal Chemistry, 2014, 82, 545-551.	2.6	33

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91	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
92	A novel drug discovery strategy: Mechanistic investigation of an enantiomeric antitumor agent targeting dual p53 and NF-Î²B pathways. Oncotarget, 2014, 5, 10830-10839.	0.8	11
93	Updated Research and Applications of Small Molecule Inhibitors of Keap1-Nrf2 Protein-Protein Interaction: a Review. Current Medicinal Chemistry, 2014, 21, 1861-1870.	1.2	53
94	A New Strategy To Improve the Metabolic Stability of Lactone: Discovery of (20S,21S)-21-Fluorocamptothecins as Novel, Hydrolytically Stable Topoisomerase I Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 7902-7910.	2.9	38
95	Synthesis and Biological Assays of 9â€(Acylamino)homocamptothecins as DNA Topoisomerase I Inhibitors. Chemistry and Biodiversity, 2013, 10, 1804-1815.	1.0	1
96	Synthesis and preliminary bioevaluation of novel E-ring modified acetal analog of camptothecin as cytotoxic agents. European Journal of Medicinal Chemistry, 2012, 56, 1-9.	2.6	12
97	Discovery, Synthesis, and Biological Evaluation of Orally Active Pyrrolidone Derivatives as Novel Inhibitors of p53â€“MDM2 Proteinâ€“Protein Interaction. Journal of Medicinal Chemistry, 2012, 55, 9630-9642.	2.9	117
98	Structureâ€“activity relationship and antitumor activity of thio-benzodiazepines as p53â€“MDM2 proteinâ€“protein interaction inhibitors. European Journal of Medicinal Chemistry, 2012, 56, 10-16.	2.6	36
99	Synthesis and Biological Evaluation of 7â€Alkenyl Homocamptothecins as Potent Topoisomerase I Inhibitors. Chemistry and Biodiversity, 2012, 9, 1084-1094.	1.0	7
100	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
101	Synthesis and biological evaluation of thio-benzodiazepines as novel small molecule inhibitors of the p53â€“MDM2 proteinâ€“protein interaction. European Journal of Medicinal Chemistry, 2011, 46, 5654-5661.	2.6	26
102	Topoisomerase Iâ€Mediated Antiproliferative Activity of 10â€Substituted and 12â€Substituted Homocamptothecins. Chemistry and Biodiversity, 2011, 8, 1539-1549.	1.0	5