Huihao Zhou

List of Publications by Year
in descending order

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		567281	330143
63	1,639	15	37
papers	citations	h-index	g-index

65	65	65	2547
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rubidium Chloride Increases Life Span Through an AMPK/FOXO-Dependent Pathway in Caenorhabditis elegans. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 1517-1524.	3.6	5
2	Discovery of novel diphenylbutene derivative ferroptosis inhibitors as neuroprotective agents. European Journal of Medicinal Chemistry, 2022, 231, 114151.	5.5	16
3	Diverse Sesquiterpenoids and Polyacetylenes from Atractylodes lancea and Their Anti-Osteoclastogenesis Activity. Journal of Natural Products, 2022, 85, 866-877.	3.0	10
4	Design, Synthesis, and Proof-of-Concept of Triple-Site Inhibitors against Aminoacyl-tRNA Synthetases. Journal of Medicinal Chemistry, 2022, 65, 5800-5820.	6.4	9
5	Fragment screening and structural analyses highlight the ATP-assisted ligand binding for inhibitor discovery against type 1 methionyl-tRNA synthetase. Nucleic Acids Research, 2022, 50, 4755-4768.	14.5	9
6	6-acrylic phenethyl ester-2-pyranone derivative induces apoptosis and G2/M arrest by targeting GRP94 in colorectal cancer. Bioorganic Chemistry, 2022, 123, 105802.	4.1	5
7	Saucerneol attenuates nasopharyngeal carcinoma cells proliferation and metastasis through selectively targeting Grp94. Phytomedicine, 2022, 101, 154133.	5.3	1
8	Ferroptosis Inhibitory Aromatic Abietane Diterpenoids from Ajuga decumbens and Structural Revision of Two 3,4-Epoxy Group-Containing Abietanes. Journal of Natural Products, 2022, 85, 1808-1815.	3.0	9
9	Diverse diterpenoids and sesquiterpenoids from Siegesbeckia pubescens and their activity against RANKL-induced osteoclastogenesis. Bioorganic Chemistry, 2021, 107, 104537.	4.1	8
10	Discovering High Potent Hsp90 Inhibitors as Antinasopharyngeal Carcinoma Agents through Fragment Assembling Approach. Journal of Medicinal Chemistry, 2021, 64, 2010-2023.	6.4	10
11	Inhibitory mechanism of reveromycin A at the tRNA binding site of a class I synthetase. Nature Communications, 2021, 12, 1616.	12.8	13
12	Synthesis and evaluation of andrographolide derivatives as potent anti-osteoporosis agents inÂvitro and inÂvivo. European Journal of Medicinal Chemistry, 2021, 213, 113185.	5.5	7
13	CMT2N-causing aminoacylation domain mutants enable Nrp1 interaction with AlaRS. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
14	Structural insights into the ligand recognition and catalysis of the key aminobutanoyltransferase CntL in staphylopine biosynthesis. FASEB Journal, 2021, 35, e21575.	0.5	4
15	Inhibiting Ferroptosis through Disrupting the NCOA4â€“FTH1 Interaction: A New Mechanism of Action. ACS Central Science, 2021, 7, 980-989.	11.3	163
16	X-shaped structure of bacterial heterotetrameric tRNA synthetase suggests cryptic prokaryote functions and a rationale for synthetase classifications. Nucleic Acids Research, 2021, 49, 10106-10119.	14.5	12
17	Discovery of phloroglucinols from Hypericum japonicum as ferroptosis inhibitors. FÃ¬toterapÃ¬Ã¢, 2021, 153, 104984.	2.2	16
18	Identification of new building blocks by fragment screening for discovering GyrB inhibitors. Bioorganic Chemistry, 2021, 114, 105040.	4.1	5

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19	A new ferroptosis inhibitor, isolated from Ajuga nipponensis, protects neuronal cells via activating NRF2-antioxidant response elements (AREs) pathway. Bioorganic Chemistry, 2021, 115, 105177.	4.1	12
20	Discovery of novel tRNA-amino acid dual-site inhibitors against threonyl-tRNA synthetase by fragment-based target hopping. European Journal of Medicinal Chemistry, 2020, 187, 111941.	5.5	15
21	Discovery of ingenane and jatrophane diterpenoids from Euphorbia esula as inhibitors of RANKL-induced osteoclastogenesis. FÃ¬toterapÃ¬Ã¢, 2020, 146, 104718.	2.2	4
22	Discovery of novel liver X receptor inverse agonists as lipogenesis inhibitors. European Journal of Medicinal Chemistry, 2020, 206, 112793.	5.5	19
23	Structure-guided optimization and mechanistic study of a class of quinazolinone-threonine hybrids as antibacterial ThrRS inhibitors. European Journal of Medicinal Chemistry, 2020, 207, 112848.	5.5	10
24	Structural and Biochemical Characterization of SbnC as a Representative Type B Siderophore Synthetase. ACS Chemical Biology, 2020, 15, 2731-2740.	3.4	4
25	Discovery of new LXRÎ² agonists as glioblastoma inhibitors. European Journal of Medicinal Chemistry, 2020, 194, 112240.	5.5	14
26	OSBP-Related Protein 5L Maintains Intracellular IP3/Ca2+ Signaling and Proliferation in T Cells by Facilitating PIP2 Hydrolysis. Journal of Immunology, 2020, 204, 1134-1145.	0.8	5
27	Identification of a Novel Inhibitor of Catabolite Control Protein A from Staphylococcus aureus. ACS Infectious Diseases, 2020, 6, 347-354.	3.8	10
28	Jatrophane Diterpenoids from Euphorbia esula as Inhibitors of RANKL-Induced Osteoclastogenesis. Journal of Natural Products, 2020, 83, 1005-1017.	3.0	12
29	Discovery of tissue selective liver X receptor agonists for the treatment of atherosclerosis without causing hepatic lipogenesis. European Journal of Medicinal Chemistry, 2019, 182, 111647.	5.5	4
30	Structural Insights into Substrate Recognition and Activity Regulation of the Key Decarboxylase SbnH in Staphyloferrin B Biosynthesis. Journal of Molecular Biology, 2019, 431, 4868-4881.	4.2	7
31	LSA: a local-weighted structural alignment tool for pharmaceutical virtual screening. RSC Advances, 2019, 9, 3912-3917.	3.6	2
32	Synthesis and evaluation of tetrahydroisoquinoline-benzimidazole hybrids as multifunctional agents for the treatment of Alzheimer's disease. European Journal of Medicinal Chemistry, 2019, 167, 133-145.	5.5	46
33	Structurally Selective Mechanism of Liver X Receptor Ligand: In Silico and In Vitro Studies. Journal of Chemical Information and Modeling, 2019, 59, 3277-3290.	5.4	3
34	Identify liver X receptor Î² modulator building blocks by developing a fluorescence polarization-based competition assay. European Journal of Medicinal Chemistry, 2019, 178, 458-467.	5.5	11
35	Systematic Studies on the Protocol and Criteria for Selecting a Covalent Docking Tool. Molecules, 2019, 24, 2183.	3.8	20
36	Crystal structure of CntK, the cofactor-independent histidine racemase in staphylopine-mediated metal acquisition of Staphylococcus aureus. International Journal of Biological Macromolecules, 2019, 135, 725-733.	7.5	11

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37	DeepChemStable: Chemical Stability Prediction with an Attention-Based Graph Convolution Network. Journal of Chemical Information and Modeling, 2019, 59, 1044-1049.	5.4	58
38	TCMAnalyzer: A Chemo- and Bioinformatics Web Service for Analyzing Traditional Chinese Medicine. Journal of Chemical Information and Modeling, 2018, 58, 550-555.	5.4	23
39	Design, synthesis, and biological evaluation of compounds with a new scaffold as anti-neuroinflammatory agents for the treatment of Alzheimer's disease. European Journal of Medicinal Chemistry, 2018, 149, 129-138.	5.5	30
40	An alternative conformation of human TrpRS suggests a role of zinc in activating non-enzymatic function. RNA Biology, 2018, 15, 649-658.	3.1	12
41	Design, syntheses and lipid accumulation inhibitory activities of novel resveratrol mimics. European Journal of Medicinal Chemistry, 2018, 143, 114-122.	5.5	13
42	Identification of an auxiliary druggable pocket in the DNA gyrase ATPase domain using fragment probes. MedChemComm, 2018, 9, 1619-1629.	3.4	16
43	cBinderDB: a covalent binding agent database. Bioinformatics, 2017, 33, 1258-1260.	4.1	16
44	Membrane binding of the insertion sequence of Proteus vulgaris L-amino acid deaminase stabilizes protein structure and increases catalytic activity. Scientific Reports, 2017, 7, 13719.	3.3	5
45	Double mimicry evades tRNA synthetase editing by toxic vegetable-sourced non-proteinogenic amino acid. Nature Communications, 2017, 8, 2281.	12.8	41
46	PTS: a pharmaceutical target seeker. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	3.0	4
47	ASDB: a resource for probing protein functions with small molecules. Bioinformatics, 2016, 32, 1752-1754.	4.1	8
48	Evolutionary Gain of Alanine Mischarging to Noncognate tRNAs with a G4:U69 Base Pair. Journal of the American Chemical Society, 2016, 138, 12948-12955.	13.7	35
49	Crystal structure of a membrane-bound l -amino acid deaminase from Proteus vulgaris. Journal of Structural Biology, 2016, 195, 306-315.	2.8	30
50	The cytoplasmic prolyl-tRNA synthetase of the malaria parasite is a dual-stage target of febrifugine and its analogs. Science Translational Medicine, 2015, 7, 288ra77.	12.4	82
51	Identifying farnesoid X receptor agonists by naÃ¯ve Bayesian and recursive partitioning approaches. MedChemComm, 2015, 6, 1393-1403.	3.4	5
52	Structural and biochemical insights into the DNA-binding mode of Mj Spt4p:Spt5 complex at the exit tunnel of RNAPII. Journal of Structural Biology, 2015, 192, 418-425.	2.8	11
53	Discovering new DNA gyrase inhibitors using machine learning approaches. RSC Advances, 2015, 5, 105600-105608.	3.6	11
54	CMT2D neuropathy is linked to the neomorphic binding activity of glycyl-tRNA synthetase. Nature, 2015, 526, 710-714.	27.8	137

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55	Ribosome stalling induced by mutation of a CNS-specific tRNA causes neurodegeneration. Science, 2014, 345, 455-459.	12.6	378
56	ATP-directed capture of bioactive herbal-based medicine on human tRNA synthetase. Nature, 2013, 494, 121-124.	27.8	133
57	Structural Insights into the Down-regulation of Overexpressed p185 Protein of Transformed Cells by the Antibody chA21*. Journal of Biological Chemistry, 2011, 286, 31676-31683.	3.4	28
58	Crystal structure of human osteoclast stimulating factor. Proteins: Structure, Function and Bioinformatics, 2009, 75, 245-251.	2.6	6
59	Monomeric tRNA (m⁷G46) methyltransferase from Escherichia coli presents a novel structure at the functionâ€essential insertion. Proteins: Structure, Function and Bioinformatics, 2009, 76, 512-515.	2.6	11
60	Crystal structure of NusG Nâ€terminal (NGN) domain from Methanocaldococcus jannaschii and its interaction with rpoEâ€³. Proteins: Structure, Function and Bioinformatics, 2009, 76, 787-793.	2.6	10
61	Crystallization and preliminary crystallographic analysis of the second RRM of Pub1 fromSaccharomyces cerevisiae. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 108-110.	0.7	1
62	Crystallization and preliminary crystallographic studies of the single-chain variable fragment of antibody chA21 in complex with an N-terminal fragment of ErbB2. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 692-694.	0.7	3
63	Crystallization and preliminary crystallographic analysis of tRNA (m7G46) methyltransferase fromEscherichia coli. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 743-745.	0.7	4