Xin Hu

List of Publications by Year
in descending order

		430874	315739
38	1,708	18	38
papers	citations	h-index	g-index

42	42	42	3595
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MCOLN1 is a ROS sensor in lysosomes that regulates autophagy. Nature Communications, 2016, 7, 12109.	12.8	369
2	Identification of SARS-CoV-2 3CL Protease Inhibitors by a Quantitative High-Throughput Screening. ACS Pharmacology and Translational Science, 2020, 3, 1008-1016.	4.9	162
3	Emetine inhibits Zika and Ebola virus infections through two molecular mechanisms: inhibiting viral replication and decreasing viral entry. Cell Discovery, 2018, 4, 31.	6.7	128
4	Repurposing of the antihistamine chlorcyclizine and related compounds for treatment of hepatitis C virus infection. Science Translational Medicine, 2015, 7, 282ra49.	12.4	118
5	Discovery and Optimization of Potent, Cell-Active Pyrazole-Based Inhibitors of Lactate Dehydrogenase (LDH). Journal of Medicinal Chemistry, 2017, 60, 9184-9204.	6.4	98
6	Quantum Dot-Conjugated SARS-CoV-2 Spike Pseudo-Virions Enable Tracking of Angiotensin Converting Enzyme 2 Binding and Endocytosis. ACS Nano, 2020, 14, 12234-12247.	14.6	88
7	The SARS-CoV-2 Cytopathic Effect Is Blocked by Lysosome Alkalizing Small Molecules. ACS Infectious Diseases, 2021, 7, 1389-1408.	3.8	74
8	Drug Repurposing Screen for Compounds Inhibiting the Cytopathic Effect of SARS-CoV-2. Frontiers in Pharmacology, 2020, 11, 592737.	3.5	69
9	Discovery of NCT-501, a Potent and Selective Theophylline-Based Inhibitor of Aldehyde Dehydrogenase 1A1 (ALDH1A1). Journal of Medicinal Chemistry, 2015, 58, 5967-5978.	6.4	52
10	Discovery of TMPRSS2 Inhibitors from Virtual Screening as a Potential Treatment of COVID-19. ACS Pharmacology and Translational Science, 2021, 4, 1124-1135.	4.9	40
11	Small-molecule activation of lysosomal TRP channels ameliorates Duchenne muscular dystrophy in mouse models. Science Advances, 2020, 6, eaaz2736.	10.3	31
12	Discovery, Optimization, and Characterization of Novel Chlorcyclizine Derivatives for the Treatment of Hepatitis C Virus Infection. Journal of Medicinal Chemistry, 2016, 59, 841-853.	6.4	30
13	Pyrazole-Based Lactate Dehydrogenase Inhibitors with Optimized Cell Activity and Pharmacokinetic Properties. Journal of Medicinal Chemistry, 2020, 63, 10984-11011.	6.4	30
14	Synaptamide activates the adhesion GPCR GPR110 (ADGRF1) through GAIN domain binding. Communications Biology, 2020, 3, 109.	4.4	29
15	Structure-Based Engineering of Irreversible Inhibitors against Histone Lysine Demethylase KDM5A. Journal of Medicinal Chemistry, 2018, 61, 10588-10601.	6.4	28
16	Identification of Chemotype Agonists for Human Resolvin D1 Receptor DRV1 with Pro-Resolving Functions. Cell Chemical Biology, 2019, 26, 244-254.e4.	5.2	25
17	High-Throughput Screening, Discovery, and Optimization To Develop a Benzofuran Class of Hepatitis C Virus Inhibitors. ACS Combinatorial Science, 2015, 17, 641-652.	3.8	23
18	Structural Insights into the Activation of Human Relaxin Family Peptide Receptor 1 by Small-Molecule Agonists. Biochemistry, 2016, 55, 1772-1783.	2.5	22

#	Article	IF	Citations
19	Chlorcyclizine Inhibits Viral Fusion of Hepatitis C Virus Entry by Directly Targeting HCV Envelope Glycoprotein 1. Cell Chemical Biology, 2020, 27, 780-792.e5.	5.2	18
20	Discovery of Small Molecule Entry Inhibitors Targeting the Fusion Peptide of SARS-CoV-2 Spike Protein. ACS Medicinal Chemistry Letters, 2021, 12, 1267-1274.	2.8	16
21	Discovery, Optimization, and Characterization of ML417: A Novel and Highly Selective D₃ Dopamine Receptor Agonist. Journal of Medicinal Chemistry, 2020, 63, 5526-5567.	6.4	15
22	Application of niclosamide and analogs as small molecule inhibitors of Zika virus and SARS-CoV-2 infection. Bioorganic and Medicinal Chemistry Letters, 2021, 40, 127906.	2.2	15
23	Structural insight into exosite binding and discovery of novel exosite inhibitors of botulinum neurotoxin serotype A through in silico screening. Journal of Computer-Aided Molecular Design, 2014, 28, 765-778.	2.9	14
24	Discovery of a Positive Allosteric Modulator of the Thyrotropin Receptor: Potentiation of Thyrotropin-Mediated Preosteoblast Differentiation In Vitro. Journal of Pharmacology and Experimental Therapeutics, 2018, 364, 38-45.	2.5	14
25	Discovery of novel inhibitors of human galactokinase by virtual screening. Journal of Computer-Aided Molecular Design, 2019, 33, 405-417.	2.9	14
26	Structureâ€“activity relationship studies and biological characterization of human NAD+-dependent 15-hydroxyprostaglandin dehydrogenase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 630-635.	2.2	13
27	Inhibitors of the Yersinia protein tyrosine phosphatase through high throughput and virtual screening approaches. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1056-1062.	2.2	12
28	Development of an Aryloxazole Class of Hepatitis C Virus Inhibitors Targeting the Entry Stage of the Viral Replication Cycle. Journal of Medicinal Chemistry, 2017, 60, 6364-6383.	6.4	12
29	Discovery and lead identification of quinazoline-based BRD4 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3483-3488.	2.2	12
30	Lead optimization and efficacy evaluation of quinazoline-based BET family inhibitors for potential treatment of cancer and inflammatory diseases. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1220-1226.	2.2	10
31	Identification of novel anti-hepatitis C virus agents by a quantitative high throughput screen in a cell-based infection assay. Antiviral Research, 2015, 124, 20-29.	4.1	9
32	Insights into the Action of Inhibitor Enantiomers against Histone Lysine Demethylase 5A. Journal of Medicinal Chemistry, 2018, 61, 3193-3208.	6.4	9
33	Optimization of the first small-molecule relaxin/insulin-like family peptide receptor (RXFP1) agonists: Activation results in an antifibrotic gene expression profile. European Journal of Medicinal Chemistry, 2018, 156, 79-92.	5.5	9
34	A multiparametric calcium signal screening platform using iPSC-derived cortical neural spheroids.. SLAS Discovery, 2022, 27, 209-218.	2.7	8
35	Hybrid In Silico Approach Reveals Novel Inhibitors of Multiple SARS-CoV-2 Variants. ACS Pharmacology and Translational Science, 2021, 4, 1675-1688.	4.9	6
36	Identification of 4-phenylquinolin-2(1H)-one as a specific allosteric inhibitor of Akt. Scientific Reports, 2017, 7, 11673.	3.3	5

#	Article	IF	Citations
37	Optimization of ether and aniline based inhibitors of lactate dehydrogenase. Bioorganic and Medicinal Chemistry Letters, 2021, 41, 127974.	2.2	2
38	Identification of Small Molecule Inhibitors of a Mir155 Transcriptional Reporter in Th17 Cells. Scientific Reports, 2021, 11, 11498.	3.3	2