

Xuben Hou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

808
citations

16
h-index

27
g-index

61
ext. papers

1,053
ext. citations

5.3
avg, IF

4.22
L-index

#	Paper	IF	Citations
57	Palmarumycin P3 reverses Mrr1-mediated azole resistance by blocking the efflux pump Mdr1.. <i>Antimicrobial Agents and Chemotherapy</i> , 2022 , aac0212621	5.9	0
56	Design, synthesis and biological evaluation of hydantoin derivatives as Mcl-1 selective inhibitors.. <i>Bioorganic Chemistry</i> , 2022 , 121, 105643	5.1	1
55	Structure-Based Design of 2-Aminopurine Derivatives as CDK2 Inhibitors for Triple-Negative Breast Cancer.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 864342	5.6	
54	Recent Development of Novel HDAC6 Isoform-selective Inhibitors. <i>Current Medicinal Chemistry</i> , 2021 , 28, 4133-4151	4.3	0
53	Recent advances in the development of allosteric protein tyrosine phosphatase inhibitors for drug discovery. <i>Medicinal Research Reviews</i> , 2021 ,	14.4	3
52	Recent Applications of Benzimidazole as a Privileged Scaffold in Drug Discovery. <i>Mini-Reviews in Medicinal Chemistry</i> , 2021 , 21, 1367-1379	3.2	3
51	PTPRO is a therapeutic target and correlated with immune infiltrates in pancreatic cancer.. <i>Journal of Cancer</i> , 2021 , 12, 7445-7453	4.5	1
50	Strategies to overcome drug resistance using SHP2 inhibitors.. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 3908-3924	15.5	6
49	Structure, Function and Modulation of Striatal-enriched Protein Tyrosine Phosphatase (STEP). <i>Current Medicinal Chemistry</i> , 2021 , 28, 7714-7728	4.3	1
48	Selective and noncovalent targeting of RAS mutants for inhibition and degradation. <i>Nature Communications</i> , 2021 , 12, 2656	17.4	16
47	Recent progress in development of cyclin-dependent kinase 7 inhibitors for cancer therapy. <i>Expert Opinion on Investigational Drugs</i> , 2021 , 30, 61-76	5.9	1
46	Synthesis and evaluation of a UMI-77-based fluorescent probe for selective detecting Mcl-1 protein and imaging in living cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 29, 115850	3.4	
45	A novel selective histone deacetylase I inhibitor CC-4a activates latent HIV-1 through NF-B pathway. <i>Life Sciences</i> , 2021 , 267, 118427	6.8	
44	Recent Advances in Small Molecule PROTACs for the Treatment of Cancer. <i>Current Medicinal Chemistry</i> , 2021 , 28, 4893-4909	4.3	3
43	Design, synthesis and biological evaluation of 3, 4-disubstituted-imidazolidine-2, 5-dione derivatives as HDAC6 selective inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021 , 221, 113526	6.8	2
42	Potential applications of BPPF1 in Bcl-2 protein quantification, carcinoma cell visualization, cell sorting and early cancer diagnosis. <i>European Journal of Medicinal Chemistry</i> , 2021 , 224, 113725	6.8	
41	New techniques and strategies in drug discovery. <i>Chinese Chemical Letters</i> , 2020 , 31, 1695-1708	8.1	45

40	An in silico mechanistic insight into HDAC8 activation facilitates the discovery of new small-molecule activators. <i>Bioorganic and Medicinal Chemistry</i> , 2020 , 28, 115607	3.4	1
39	Inhibition of striatal-enriched protein tyrosine phosphatase by targeting computationally revealed cryptic pockets. <i>European Journal of Medicinal Chemistry</i> , 2020 , 190, 112131	6.8	1
38	Design, synthesis and biological evaluation of tyrosine derivatives as Mcl-1 inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020 , 191, 112142	6.8	9
37	Substrate interaction inhibits β -secretase production of amyloid- β peptides. <i>Chemical Communications</i> , 2020 , 56, 2578-2581	5.8	2
36	Discovery of Peptide Boronate Derivatives as Histone Deacetylase and Proteasome Dual Inhibitors for Overcoming Bortezomib Resistance of Multiple Myeloma. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 4701-4715	8.3	21
35	Recent Advances in the Development of Selective Mcl-1 Inhibitors for the Treatment of Cancer (2017-Present). <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2020 , 15, 306-320	2.6	1
34	Structure-based virtual screening, biological evaluation and biophysical study of novel Mcl-1 inhibitors. <i>Future Medicinal Chemistry</i> , 2020 , 12, 1293-1304	4.1	4
33	Enantioseparation of lysine derivatives on amylose tris (3, 5-dimethylphenylcarbamate) as chiral stationary phase with high separation factor. <i>Journal of Chromatography A</i> , 2020 , 1632, 461598	4.5	5
32	HDAC-Bax Multiple Ligands Enhance Bax-Dependent Apoptosis in HeLa Cells. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 12083-12099	8.3	2
31	Design, synthesis and biological evaluation of imidazolidine-2,4-dione and 2-thioxothiazolidin-4-one derivatives as lymphoid-specific tyrosine phosphatase inhibitors. <i>Bioorganic Chemistry</i> , 2020 , 103, 104124 ^{5.1}	5.1	4
30	Dual Inhibitors Targeting DNA and Histone Deacetylases. <i>Pharmaceutical Fronts</i> , 2020 , 02, e88-e93	0.7	
29	Design, synthesis and preliminary bioactivity studies of indomethacin derivatives as Bcl-2/Mcl-1 dual inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 2771-2783	3.4	12
28	Identification and structure-function analyses of an allosteric inhibitor of the tyrosine phosphatase PTPN22. <i>Journal of Biological Chemistry</i> , 2019 , 294, 8653-8663	5.4	7
27	Design, Synthesis, and Biological Evaluation of 2,4-Imidazolidinedione Derivatives as HDAC6 Isoform-Selective Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 1122-1127	4.3	10
26	Design, synthesis and preliminary bioactivity evaluations of 8-hydroxyquinoline derivatives as matrix metalloproteinase (MMP) inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019 , 181, 111563	6.8	9
25	Incorporating Explicit Water Molecules and Ligand Conformation Stability in Machine-Learning Scoring Functions. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 4540-4549	6.1	31
24	Computational Strategy for Bound State Structure Prediction in Structure-Based Virtual Screening: A Case Study of Protein Tyrosine Phosphatase Receptor Type O Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2018 , 58, 2331-2342	6.1	5
23	Design, synthesis and biological evaluation of quinoline derivatives as HDAC class I inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017 , 133, 11-23	6.8	21

22	HBV inhibits LPS-induced NLRP3 inflammasome activation and IL-1 β production via suppressing the NF- κ B pathway and ROS production. <i>Journal of Hepatology</i> , 2017 , 66, 693-702	13.4	126
21	Resveratrol serves as a protein-substrate interaction stabilizer in human SIRT1 activation. <i>Scientific Reports</i> , 2016 , 6, 38186	4.9	51
20	Identification of a benzo imidazole thiazole derivative as the specific irreversible inhibitor of protein tyrosine phosphatase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 4795-4798	2.9	5
19	Design, synthesis and preliminary bioactivity evaluations of substituted quinoline hydroxamic acid derivatives as novel histone deacetylase (HDAC) inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 4364-4374	3.4	33
18	Design, synthesis and biological evaluation of saccharin-based N-hydroxybenzamides as histone deacetylases (HDACs) inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 5774-81	3.4	13
17	Enhancing the Sensitivity of Pharmacophore-Based Virtual Screening by Incorporating Customized ZBG Features: A Case Study Using Histone Deacetylase 8. <i>Journal of Chemical Information and Modeling</i> , 2015 , 55, 861-71	6.1	35
16	Design, synthesis and preliminary bioactivity studies of 2-thioxo-4-thiazolidinone derivatives as Bcl-2 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 1994-2003	3.4	20
15	Design, synthesis and preliminary bioactivity studies of imidazolidine-2,4-dione derivatives as Bcl-2 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 7359-65	3.4	15
14	Design, synthesis and biological evaluation of 3-aryl-rhodanine benzoic acids as anti-apoptotic protein Bcl-2 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 5265-9	2.9	17
13	Protein Flexibility in Docking-Based Virtual Screening: Discovery of Novel Lymphoid-Specific Tyrosine Phosphatase Inhibitors Using Multiple Crystal Structures. <i>Journal of Chemical Information and Modeling</i> , 2015 , 55, 1973-83	6.1	26
12	Identification of para-Substituted Benzoic Acid Derivatives as Potent Inhibitors of the Protein Phosphatase Slingshot. <i>ChemMedChem</i> , 2015 , 10, 1980-7	3.7	7
11	Design, synthesis and preliminary biological studies of pyrrolidine derivatives as Mcl-1 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 7685-93	3.4	19
10	Fast identification of novel lymphoid tyrosine phosphatase inhibitors using target-ligand interaction-based virtual screening. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 9309-22	8.3	21
9	High-performance liquid chromatographic enantioseparation of 3,5-disubstituted hydantoins analogs and temperature-induced reversals of elution orders on a polysaccharide-based chiral stationary phase. <i>Journal of Chromatography A</i> , 2014 , 1355, 291-5	4.5	9
8	Design, synthesis, and preliminary bioactivity studies of substituted purine hydroxamic acid derivatives as novel histone deacetylase (HDAC) inhibitors. <i>MedChemComm</i> , 2014 , 5, 1887-1891	5	8
7	Design, synthesis and preliminary bioactivity studies of 1,2-dihydrobenzo[d]isothiazol-3-one-1,1-dioxide hydroxamic acid derivatives as novel histone deacetylase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 1529-38	3.4	14
6	Improved antiproliferative activity of 1,3,4-thiadiazole-containing histone deacetylase (HDAC) inhibitors by introduction of the heteroaromatic surface recognition motif. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 5766-75	3.4	26
5	Antagonists of IAP proteins: novel anti-tumor agents. <i>Current Medicinal Chemistry</i> , 2014 , 21, 3877-92	4.3	7

4	How to improve docking accuracy of AutoDock4.2: a case study using different electrostatic potentials. <i>Journal of Chemical Information and Modeling</i> , 2013 , 53, 188-200	6.1	70
3	Design, synthesis and preliminary bioactivity studies of 1,3,4-thiadiazole hydroxamic acid derivatives as novel histone deacetylase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 3865-72	7.4	39
2	Density functional theory based quantitative structure-property relationship studies on coumarin-based prodrugs. <i>BioScience Trends</i> , 2012 , 6, 234-40	9.9	
1	3D-QSAR study on a series of Bcl-2 protein inhibitors using comparative molecular field analysis. <i>Protein and Peptide Letters</i> , 2011 , 18, 440-9	1.9	13