Xuben Hou

List of Publications by Citations

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	HBV inhibits LPS-induced NLRP3 inflammasome activation and IL-1β production via suppressing the NF-κB pathway and ROS production. *Journal of Hepatology*, **2017**, 66, 693-702	13.4	126
56	How to improve docking accuracy of AutoDock4.2: a case study using different electrostatic potentials. *Journal of Chemical Information and Modeling*, **2013**, 53, 188-200	6.1	70
55	Resveratrol serves as a protein-substrate interaction stabilizer in human SIRT1 activation. *Scientific Reports*, **2016**, 6, 38186	4.9	51
54	New techniques and strategies in drug discovery. *Chinese Chemical Letters*, **2020**, 31, 1695-1708	8.1	45
53	Design, synthesis and preliminary bioactivity studies of 1,3,4-thiadiazole hydroxamic acid derivatives as novel histone deacetylase inhibitors. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 3865-72	3.4	39
52	Enhancing the Sensitivity of Pharmacophore-Based Virtual Screening by Incorporating Customized ZBG Features: A Case Study Using Histone Deacetylase 8. *Journal of Chemical Information and Modeling*, **2015**, 55, 861-71	6.1	35
51	Design, synthesis and preliminary bioactivity evaluations of substituted quinoline hydroxamic acid derivatives as novel histone deacetylase (HDAC) inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 4364-4374	3.4	33
50	Incorporating Explicit Water Molecules and Ligand Conformation Stability in Machine-Learning Scoring Functions. *Journal of Chemical Information and Modeling*, **2019**, 59, 4540-4549	6.1	31
49	Protein Flexibility in Docking-Based Virtual Screening: Discovery of Novel Lymphoid-Specific Tyrosine Phosphatase Inhibitors Using Multiple Crystal Structures. *Journal of Chemical Information and Modeling*, **2015**, 55, 1973-83	6.1	26
48	Improved antiproliferative activity of 1,3,4-thiadiazole-containing histone deacetylase (HDAC) inhibitors by introduction of the heteroaromatic surface recognition motif. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 5766-75	3.4	26
47	Design, synthesis and biological evaluation of quinoline derivatives as HDAC class I inhibitors. *European Journal of Medicinal Chemistry*, **2017**, 133, 11-23	6.8	21
46	Discovery of Peptide Boronate Derivatives as Histone Deacetylase and Proteasome Dual Inhibitors for Overcoming Bortezomib Resistance of Multiple Myeloma. *Journal of Medicinal Chemistry*, **2020**, 63, 4701-4715	8.3	21
45	Fast identification of novel lymphoid tyrosine phosphatase inhibitors using target-ligand interaction-based virtual screening. *Journal of Medicinal Chemistry*, **2014**, 57, 9309-22	8.3	21
44	Design, synthesis and preliminary bioactivity studies of 2-thioxo-4-thiazolidinone derivatives as Bcl-2 inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 1994-2003	3.4	20
43	Design, synthesis and preliminary biological studies of pyrrolidine derivatives as Mcl-1 inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 7685-93	3.4	19
42	Design, synthesis and biological evaluation of 3-aryl-rhodanine benzoic acids as anti-apoptotic protein Bcl-2 inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 5265-9	2.9	17
41	Selective and noncovalent targeting of RAS mutants for inhibition and degradation. *Nature Communications*, **2021**, 12, 2656	17.4	16

40	Design, synthesis and preliminary bioactivity studies of imidazolidine-2,4-dione derivatives as Bcl-2 inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 7359-65	3.4	15
39	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. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 1529-38	3.4	14
38	Design, synthesis and biological evaluation of saccharin-based N-hydroxybenzamides as histone deacetylases (HDACs) inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 5774-81	3.4	13
37	3D-QSAR study on a series of Bcl-2 protein inhibitors using comparative molecular field analysis. *Protein and Peptide Letters*, **2011**, 18, 440-9	1.9	13
36	Design, synthesis and preliminary bioactivity studies of indomethacin derivatives as Bcl-2/Mcl-1 dual inhibitors. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 2771-2783	3.4	12
35	Design, Synthesis, and Biological Evaluation of 2,4-Imidazolinedione Derivatives as HDAC6 Isoform-Selective Inhibitors. *ACS Medicinal Chemistry Letters*, **2019**, 10, 1122-1127	4.3	10
34	Design, synthesis and biological evaluation of tyrosine derivatives as Mcl-1 inhibitors. *European Journal of Medicinal Chemistry*, **2020**, 191, 112142	6.8	9
33	Design, synthesis and preliminary bioactivity evaluations of 8-hydroxyquinoline derivatives as matrix metalloproteinase (MMP) inhibitors. *European Journal of Medicinal Chemistry*, **2019**, 181, 111563	6.8	9
32	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. *Journal of Chromatography A*, **2014**, 1355, 291-5	4.5	9
31	Design, synthesis, and preliminary bioactivity studies of substituted purine hydroxamic acid derivatives as novel histone deacetylase (HDAC) inhibitors. *MedChemComm*, **2014**, 5, 1887-1891	5	8
30	Identification and structure-function analyses of an allosteric inhibitor of the tyrosine phosphatase PTPN22. *Journal of Biological Chemistry*, **2019**, 294, 8653-8663	5.4	7
29	Identification of para-Substituted Benzoic Acid Derivatives as Potent Inhibitors of the Protein Phosphatase Slingshot. *ChemMedChem*, **2015**, 10, 1980-7	3.7	7
28	Antagonists of IAP proteins: novel anti-tumor agents. *Current Medicinal Chemistry*, **2014**, 21, 3877-92	4.3	7
27	Strategies to overcome drug resistance using SHP2 inhibitors.. *Acta Pharmaceutica Sinica B*, **2021**, 11, 3908-3924	15.5	6
26	Enantioseparation of lysine derivatives on amylose tris (3, 5-dimethylphenylcarbamate) as chiral stationary phase with high separation factor. *Journal of Chromatography A*, **2020**, 1632, 461598	4.5	5
25	Identification of a benzo imidazole thiazole derivative as the specific irreversible inhibitor of protein tyrosine phosphatase. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 4795-4798	2.9	5
24	Computational Strategy for Bound State Structure Prediction in Structure-Based Virtual Screening: A Case Study of Protein Tyrosine Phosphatase Receptor Type O Inhibitors. *Journal of Chemical Information and Modeling*, **2018**, 58, 2331-2342	6.1	5
23	Structure-based virtual screening, biological evaluation and biophysical study of novel Mcl-1 inhibitors. *Future Medicinal Chemistry*, **2020**, 12, 1293-1304	4.1	4

22	Design, synthesis and biological evaluation of imidazolidine-2,4-dione and 2-thioxothiazolidin-4-one derivatives as lymphoid-specific tyrosine phosphatase inhibitors. *Bioorganic Chemistry*, **2020**, 103, 104124	5.1	4
21	Recent advances in the development of allosteric protein tyrosine phosphatase inhibitors for drug discovery. *Medicinal Research Reviews*, **2021**,	14.4	3
20	Recent Applications of Benzimidazole as a Privileged Scaffold in Drug Discovery. *Mini-Reviews in Medicinal Chemistry*, **2021**, 21, 1367-1379	3.2	3
19	Recent Advances in Small Molecule PROTACs for the Treatment of Cancer. *Current Medicinal Chemistry*, **2021**, 28, 4893-4909	4.3	3
18	Substrate interaction inhibits β-secretase production of amyloid-β peptides. *Chemical Communications*, **2020**, 56, 2578-2581	5.8	2
17	HDAC-Bax Multiple Ligands Enhance Bax-Dependent Apoptosis in HeLa Cells. *Journal of Medicinal Chemistry*, **2020**, 63, 12083-12099	8.3	2
16	Design, synthesis and biological evaluation of 3, 4-disubstituted-imidazolidine-2, 5-dione derivatives as HDAC6 selective inhibitors. *European Journal of Medicinal Chemistry*, **2021**, 221, 113526	6.8	2
15	An in silico mechanistic insight into HDAC8 activation facilitates the discovery of new small-molecule activators. *Bioorganic and Medicinal Chemistry*, **2020**, 28, 115607	3.4	1
14	Inhibition of striatal-enriched protein tyrosine phosphatase by targeting computationally revealed cryptic pockets. *European Journal of Medicinal Chemistry*, **2020**, 190, 112131	6.8	1
13	Design, synthesis and biological evaluation of hydantoin derivatives as Mcl-1 selective inhibitors.. *Bioorganic Chemistry*, **2022**, 121, 105643	5.1	1
12	Recent Advances in the Development of Selective Mcl-1 Inhibitors for the Treatment of Cancer (2017-Present). *Recent Patents on Anti-Cancer Drug Discovery*, **2020**, 15, 306-320	2.6	1
11	PTPRO is a therapeutic target and correlated with immune infiltrates in pancreatic cancer.. *Journal of Cancer*, **2021**, 12, 7445-7453	4.5	1
10	Structure, Function and Modulation of Striatal-enriched Protein Tyrosine Phosphatase (STEP). *Current Medicinal Chemistry*, **2021**, 28, 7714-7728	4.3	1
9	Recent progress in development of cyclin-dependent kinase 7 inhibitors for cancer therapy. *Expert Opinion on Investigational Drugs*, **2021**, 30, 61-76	5.9	1
8	Recent Development of Novel HDAC6 Isoform-selective Inhibitors. *Current Medicinal Chemistry*, **2021**, 28, 4133-4151	4.3	0
7	Palmarumycin P3 reverses Mrr1-mediated azole resistance by blocking the efflux pump Mdr1.. *Antimicrobial Agents and Chemotherapy*, **2022**, aac0212621	5.9	0
6	Density functional theory based quantitative structure-property relationship studies on coumarin-based prodrugs. *BioScience Trends*, **2012**, 6, 234-40	9.9	
5	Dual Inhibitors Targeting DNA and Histone Deacetylases. *Pharmaceutical Fronts*, **2020**, 02, e88-e93	0.7	

List of Publications

4	Synthesis and evaluation of a UMI-77-based fluorescent probe for selective detecting Mcl-1 protein and imaging in living cancer cells. *Bioorganic and Medicinal Chemistry*, **2021**, 29, 115850	3.4
3	A novel selective histone deacetylase I inhibitor CC-4a activates latent HIV-1 through NF-B pathway. *Life Sciences*, **2021**, 267, 118427	6.8
2	Potential applications of BPFP1 in Bcl-2 protein quantification, carcinoma cell visualization, cell sorting and early cancer diagnosis. *European Journal of Medicinal Chemistry*, **2021**, 224, 113725	6.8
1	Structure-Based Design of 2-Aminopurine Derivatives as CDK2 Inhibitors for Triple-Negative Breast Cancer.. *Frontiers in Pharmacology*, **2022**, 13, 864342	5.6