Zhigang Liu

List of Publications by Year
in descending order

16 papers	224 citations	1040056 9 h-index	996975 15 g-index
16 all docs	16 docs citations	16 times ranked	291 citing authors

#	Article	IF	Citations
1	Safety and efficacy of zero fluoroscopy transseptal puncture with different approaches. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 12-18.	1.2	40
2	The higher barrier of darunavir and tipranavir resistance for HIV-1 protease. Biochemical and Biophysical Research Communications, 2011, 412, 737-742.	2.1	32
3	Contribution of the 80s loop of HIV-1 protease to the multidrug-resistance mechanism: crystallographic study of MDR769 HIV-1 protease variants. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 524-532.	2.5	28
4	Nine Crystal Structures Determine the Substrate Envelope of the MDR HIV-1 Protease. Protein Journal, 2011, 30, 173-183.	1.6	24
5	Crystal structure of the extracellular domain of human myelin protein zero. Proteins: Structure, Function and Bioinformatics, 2012, 80, 307-313.	2.6	23
6	Conserved hydrogen bonds and water molecules in MDR HIV-1 protease substrate complexes. Biochemical and Biophysical Research Communications, 2013, 430, 1022-1027.	2.1	13
7	Higher Desolvation Energy Reduces Molecular Recognition in Multi-Drug Resistant HIV-1 Protease. Biology, 2012, 1, 81-93.	2.8	11
8	The potential contribution of ranolazine to Torsade de Pointe. Journal of Cardiovascular Disease Research (discontinued), 2013, 4, 187-190.	0.1	10
9	Crystal structures of multidrug-resistant HIV-1 protease in complex with two potent anti-malarial compounds. Biochemical and Biophysical Research Communications, 2012, 421, 413-417.	2.1	9
10	Catheter ablation of the left and right atrial appendages without isolation in persistent atrial fibrillation. Heart Rhythm, 2021, 18, 694-701.	0.7	9
11	Crystallographic study of multi-drug resistant HIV-1 protease lopinavir complex: Mechanism of drug recognition and resistance. Biochemical and Biophysical Research Communications, 2013, 437, 199-204.	2.1	8
12	Insights into the mechanism of drug resistance: X-ray structure analysis of multi-drug resistant HIV-1 protease ritonavir complex. Biochemical and Biophysical Research Communications, 2013, 431, 232-238.	2.1	6
13	P1 and P1â€² para-fluoro phenyl groups show enhanced binding and favorable predicted pharmacological properties: Structure-based virtual screening of extended lopinavir analogs against multi-drug resistant HIV-1 protease. Journal of Molecular Graphics and Modelling, 2014, 47, 18-24.	2.4	5
14	Design, synthesis and evaluation of a potent substrate analog inhibitor identified by scanning Ala/Phe mutagenesis, mimicking substrate co-evolution, against multidrug-resistant HIV-1 protease. Biochemical and Biophysical Research Communications, 2013, 438, 703-708.	2.1	3
15	A multi-drug resistant HIV-1 protease is resistant to the dimerization inhibitory activity of TLF-PafF. Journal of Molecular Graphics and Modelling, 2014, 53, 105-111.	2.4	2
16	Ligand modifications to reduce the relative resistance of multi-drug resistant HIV-1 protease. Bioorganic and Medicinal Chemistry, 2013, 21, 7430-7434.	3.0	1