

Aysegul Ozen

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

781
citations

759233

12
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

1089
citing authors

#	ARTICLE	IF	CITATIONS
1	The Molecular Basis of Drug Resistance against Hepatitis C Virus NS3/4A Protease Inhibitors. PLoS Pathogens, 2012, 8, e1002832.	4.7	179
2	Molecular Basis for Drug Resistance in HIV-1 Protease. Viruses, 2010, 2, 2509-2535.	3.3	122
3	Evaluating the Substrate-Envelope Hypothesis: Structural Analysis of Novel HIV-1 Protease Inhibitors Designed To Be Robust against Drug Resistance. Journal of Virology, 2010, 84, 5368-5378.	3.4	104
4	Dynamics of Preferential Substrate Recognition in HIV-1 Protease: Redefining the Substrate Envelope. Journal of Molecular Biology, 2011, 410, 726-744.	4.2	63
5	Evaluating the Role of Macrocycles in the Susceptibility of Hepatitis C Virus NS3/4A Protease Inhibitors to Drug Resistance. ACS Chemical Biology, 2013, 8, 1469-1478.	3.4	58
6	Clusters of isoleucine, leucine, and valine side chains define cores of stability in high-energy states of globular proteins: Sequence determinants of structure and stability. Protein Science, 2016, 25, 662-675.	7.6	47
7	Context Surrounding Processing Sites Is Crucial in Determining Cleavage Rate of a Subset of Processing Sites in HIV-1 Gag and Gag-Pro-Pol Polyprotein Precursors by Viral Protease. Journal of Biological Chemistry, 2012, 287, 13279-13290.	3.4	43
8	Structural basis and distal effects of Gag substrate coevolution in drug resistance to HIV-1 protease. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15993-15998.	7.1	40
9	Improving the Resistance Profile of Hepatitis C NS3/4A Inhibitors: Dynamic Substrate Envelope Guided Design. Journal of Chemical Theory and Computation, 2013, 9, 5693-5705.	5.3	34
10	HIV-1 Protease and Substrate Coevolution Validates the Substrate Envelope As the Substrate Recognition Pattern. Journal of Chemical Theory and Computation, 2012, 8, 703-714.	5.3	23
11	HIV-1 Protease-Substrate Coevolution in Nelfinavir Resistance. Journal of Virology, 2014, 88, 7145-7154.	3.4	22
12	Molecular Basis for Differential Patterns of Drug Resistance in Influenza N1 and N2 Neuraminidase. Journal of Chemical Theory and Computation, 2016, 12, 6098-6108.	5.3	20
13	Resistance outside the substrate envelope: hepatitis C NS3/4A protease inhibitors. Critical Reviews in Biochemistry and Molecular Biology, 2019, 54, 11-26.	5.2	14
14	Drug-resistant HIV-1 protease regains functional dynamics through cleavage site coevolution. Evolutionary Applications, 2015, 8, 185-198.	3.1	7
15	Substrate-Envelope-Guided Design of Drugs with a High Barrier to the Evolution of Resistance. , 2014, , 1-23.		2
16	Substrate-Envelope-Guided Design of Drugs with a High Barrier to the Evolution of Resistance. , 2017, , 149-173.		1