

Elena Arutyunova

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

869
citations

687363

13
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1578
citing authors

#	ARTICLE	IF	CITATIONS
1	Feline coronavirus drug inhibits the main protease of SARS-CoV-2 and blocks virus replication. <i>Nature Communications</i> , 2020, 11, 4282.	12.8	334
2	Comprehensive in vitro characterization of PD-L1 small molecule inhibitors. <i>Scientific Reports</i> , 2019, 9, 12392.	3.3	88
3	Allosteric regulation of rhomboid intramembrane proteolysis. <i>EMBO Journal</i> , 2014, 33, 1869-1881.	7.8	65
4	Improved SARS-CoV-2 Mpro inhibitors based on feline antiviral drug GC376: Structural enhancements, increased solubility, and micellar studies. <i>European Journal of Medicinal Chemistry</i> , 2021, 222, 113584.	5.5	57
5	Targeting B7-1 in immunotherapy. <i>Medicinal Research Reviews</i> , 2020, 40, 654-682.	10.5	44
6	Peptidomimetic nitrile warheads as SARS-CoV-2 3CL protease inhibitors. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1722-1730.	3.9	40
7	Understanding Conformational Dynamics of Complex Lipid Mixtures Relevant to Biology. <i>Journal of Membrane Biology</i> , 2018, 251, 609-631.	2.1	33
8	Quantitative Multiplex Substrate Profiling of Peptidases by Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 968a-981.	3.8	28
9	The structure of lactoferrin-binding protein B from <i>Neisseria meningitidis</i> suggests roles in iron acquisition and neutralization of host defences. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1312-1317.	0.8	27
10	N-Terminal Finger Stabilizes the S1 Pocket for the Reversible Feline Drug GC376 in the SARS-CoV-2 Mpro Dimer. <i>Journal of Molecular Biology</i> , 2021, 433, 167003.	4.2	23
11	SARS-COV-2 recombinant Receptor-Binding-Domain (RBD) induces neutralizing antibodies against variant strains of SARS-CoV-2 and SARS-CoV-1. <i>Vaccine</i> , 2021, 39, 5769-5779.	3.8	23
12	Crystallization of Feline Coronavirus Mpro With GC376 Reveals Mechanism of Inhibition. <i>Frontiers in Chemistry</i> , 2022, 10, 852210.	3.6	17
13	Crystal structure of the N-lobe of lactoferrin binding protein B from <i>Moraxella bovis</i> This paper is an invited article as a result of a presentation at the International Lactoferrin Conference held in Mazatlan, Mexico (May 2011), and has undergone the journal's usual peer review process. <i>Biochemistry and Cell Biology</i> , 2012, 90, 351-361.	2.0	16
14	Insights into the catalytic properties of the mitochondrial rhomboid protease PARL. <i>Journal of Biological Chemistry</i> , 2021, 296, 100383.	3.4	16
15	An internally quenched peptide as a new model substrate for rhomboid intramembrane proteases. <i>Biological Chemistry</i> , 2018, 399, 1389-1397.	2.5	12
16	Accelerated discovery of novel glycoside hydrolases using targeted functional profiling and selective pressure on the rumen microbiome. <i>Microbiome</i> , 2021, 9, 229.	11.1	10
17	High yield expression and purification of equilibrative nucleoside transporter 7 (ENT7) from <i>Arabidopsis thaliana</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1921-1929.	2.4	9
18	Reversible Unfolding of Rhomboid Intramembrane Proteases. <i>Biophysical Journal</i> , 2016, 110, 1379-1390.	0.5	9