

Gwyndalyn Phillips

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/410805/publications.pdf>

Version: 2024-02-01

10
papers

801
citations

932766

10
h-index

1372195

10
g-index

15
all docs

15
docs citations

15
times ranked

1321
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural plasticity of SARS-CoV-2 3CL M ^{pro} active site cavity revealed by room temperature X-ray crystallography. Nature Communications, 2020, 11, 3202.	5.8	334
2	Malleability of the SARS-CoV-2 3CL M ^{pro} Active-Site Cavity Facilitates Binding of Clinical Antivirals. Structure, 2020, 28, 1313-1320.e3.	1.6	108
3	Unusual zwitterionic catalytic site of SARS-CoV-2 main protease revealed by neutron crystallography. Journal of Biological Chemistry, 2020, 295, 17365-17373.	1.6	97
4	Covalent narpaprevir- and boceprevir-derived hybrid inhibitors of SARS-CoV-2 main protease. Nature Communications, 2022, 13, 2268.	5.8	69
5	Room-temperature X-ray crystallography reveals the oxidation and reactivity of cysteine residues in SARS-CoV-2 3CL M ^{pro} : insights into enzyme mechanism and drug design. IUCr, 2020, 7, 1028-1035.	1.0	49
6	Direct Observation of Protonation State Modulation in SARS-CoV-2 Main Protease upon Inhibitor Binding with Neutron Crystallography. Journal of Medicinal Chemistry, 2021, 64, 4991-5000.	2.9	36
7	Structural, Electronic, and Electrostatic Determinants for Inhibitor Binding to Subsites S1 and S2 in SARS-CoV-2 Main Protease. Journal of Medicinal Chemistry, 2021, 64, 17366-17383.	2.9	32
8	The mechanisms of catalysis and ligand binding for the SARS-CoV-2 NSP3 macrodomain from neutron and x-ray diffraction at room temperature. Science Advances, 2022, 8, .	4.7	24
9	Room-temperature neutron and X-ray data collection of 3CL M ^{pro} from SARS-CoV-2. Acta Crystallographica Section F, Structural Biology Communications, 2020, 76, 483-487.	0.4	21
10	Conformational Dynamics in the Interaction of SARS-CoV-2 Papain-like Protease with Human Interferon-Stimulated Gene 15 Protein. Journal of Physical Chemistry Letters, 2021, 12, 5608-5615.	2.1	14