Gwyndalyn Phillips

List of Publications by Year
in descending order

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	Covalent narlaprevir- and boceprevir-derived hybrid inhibitors of SARS-CoV-2 main protease. Nature Communications, 2022, 13, 2268.	5.8	69
2	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
3	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
4	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
5	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
6	Unusual zwitterionic catalytic site of SARSâ€“CoV-2 main protease revealed by neutron crystallography. Journal of Biological Chemistry, 2020, 295, 17365-17373.	1.6	97
7	Malleability of the SARS-CoV-2 3CL Mpro Active-Site Cavity Facilitates Binding of Clinical Antivirals. Structure, 2020, 28, 1313-1320.e3.	1.6	108
8	Structural plasticity of SARS-CoV-2 3CL Mpro active site cavity revealed by room temperature X-ray crystallography. Nature Communications, 2020, 11, 3202.	5.8	334
9	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. IUCrJ, 2020, 7, 1028-1035.	1.0	49
10	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