

Sukrit Singh

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

996
citations

759233

12
h-index

996975

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g-index

23
all docs

23
docs citations

23
times ranked

1809
citing authors

#	ARTICLE	IF	CITATIONS
1	A cryptic pocket in Ebola VP35 allosterically controls RNA binding. Nature Communications, 2022, 13, 2269.	12.8	19
2	The SARS-CoV-2 nucleocapsid protein is dynamic, disordered, and phase separates with RNA. Nature Communications, 2021, 12, 1936.	12.8	334
3	SARS-CoV-2 simulations go exascale to predict dramatic spike opening and cryptic pockets across the proteome. Nature Chemistry, 2021, 13, 651-659.	13.6	190
4	SARS-CoV-2 Nsp16 activation mechanism and a cryptic pocket with pan-coronavirus antiviral potential. Biophysical Journal, 2021, 120, 2880-2889.	0.5	52
5	Opening of a cryptic pocket in β -lactamase increases penicillinase activity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	17
6	Antagonism between substitutions in β -lactamase explains a path not taken in the evolution of bacterial drug resistance. Journal of Biological Chemistry, 2020, 295, 7376-7390.	3.4	14
7	Design, synthesis, and biological evaluation of stable β -Helices: Discovery of non-hemolytic antibacterial peptides. European Journal of Medicinal Chemistry, 2018, 149, 193-210.	5.5	9
8	Mechanistic Basis for ATP-Dependent Inhibition of Glutamine Synthetase by Tabtoxinine- β -lactam. Biochemistry, 2018, 57, 117-135.	2.5	8
9	Simulation of spontaneous G protein activation reveals a new intermediate driving GDP unbinding. ELife, 2018, 7, .	6.0	39
10	The small molecule JIB-04 disrupts O ₂ binding in the Fe-dependent histone demethylase KDM4A/JMJD2A. Chemical Communications, 2017, 53, 2174-2177.	4.1	23
11	Quantifying Allosteric Communication via Both Concerted Structural Changes and Conformational Disorder with CARDS. Journal of Chemical Theory and Computation, 2017, 13, 1509-1517.	5.3	46
12	Dexmedetomidine protects against glucocorticoid induced progenitor cell apoptosis in neonatal mouse cerebellum. Journal of Maternal-Fetal and Neonatal Medicine, 2017, 30, 2156-2162.	1.5	2
13	Defining NADH-Driven Allostery Regulating Apoptosis-Inducing Factor. Structure, 2016, 24, 2067-2079.	3.3	39
14	Structural Conservation and Functional Diversity of the Poxvirus Immune Evasion (PIE) Domain Superfamily. Viruses, 2015, 7, 4873-4893.	3.3	37
15	Lithium protects against glucocorticoid induced neural progenitor cell apoptosis in the developing cerebellum. Brain Research, 2014, 1545, 54-63.	2.2	22