Neha Vithani

List of Publications by Year
in descending order

11 papers	744 citations	1163117 8 h-index	1281871 11 g-index
15 all docs	15 docs citations	15 times ranked	1371 citing authors

#	Article	IF	Citations
1	The SARS-CoV-2 nucleocapsid protein is dynamic, disordered, and phase separates with RNA. Nature Communications, 2021, 12, 1936.	12.8	334
2	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
3	SARS-CoV-2 Nsp16 activation mechanism and a cryptic pocket with pan-coronavirus antiviral potential. Biophysical Journal, 2021, 120, 2880-2889.	0.5	52
4	Crystal Structures Identify an Atypical Two-Metal-Ion Mechanism for Uridyltransfer in GlmU: Its Significance to Sugar Nucleotidyl Transferases. Journal of Molecular Biology, 2013, 425, 1745-1759.	4.2	28
5	Substrate-bound Crystal Structures Reveal Features Unique to Mycobacterium tuberculosis N-Acetyl-glucosamine 1-Phosphate Uridyltransferase and a Catalytic Mechanism for Acetyl Transfer. Journal of Biological Chemistry, 2012, 287, 39524-39537.	3.4	24
6	A cryptic pocket in Ebola VP35 allosterically controls RNA binding. Nature Communications, 2022, 13, 2269.	12.8	19
7	GlmU (N-acetylglucosamine-1-phosphate uridyltransferase) bound to three magnesium ions and ATP at the active site. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 703-708.	0.8	12
8	Mechanism of Mg2+-Accompanied Product Release in Sugar Nucleotidyltransferases. Structure, 2018, 26, 459-466.e3.	3.3	10
9	A salt-bridge stabilized C-terminal hook is critical for the dimerization of a Bowman Birk inhibitor. Archives of Biochemistry and Biophysics, 2015, 566, 15-25.	3.0	8
10	A revised mechanism for (p)ppGpp synthesis by Rel proteins: The critical role of the 2â€²-OH of GTP. Journal of Biological Chemistry, 2020, 295, 12851-12867.	3.4	8
11	Mechanism of Nucleotidyltransfer Reaction and Role of Mg2+ Ion in Sugar Nucleotidyltransferases. Biophysical Journal, 2020, 119, 619-627.	0.5	2