

Nikesh Patel

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

395
citations

1051969

10
h-index

1336881

12
g-index

17
all docs

17
docs citations

17
times ranked

516
citing authors

#	ARTICLE	IF	CITATIONS
1	Dysregulation of Hepatitis B Virus Nucleocapsid Assembly in vitro by RNA-binding Small Ligands. <i>Journal of Molecular Biology</i> , 2022, 434, 167557.	2.0	6
2	Dataset of high-throughput ligand screening against the RNA Packaging Signals regulating Hepatitis B Virus nucleocapsid formation. <i>Data in Brief</i> , 2022, 42, 108206.	0.5	0
3	Evolution of a virus-like architecture and packaging mechanism in a repurposed bacterial protein. <i>Science</i> , 2021, 372, 1220-1224.	6.0	53
4	An Intracellular Model of Hepatitis B Viral Infection: An In Silico Platform for Comparing Therapeutic Strategies. <i>Viruses</i> , 2021, 13, 11.	1.5	13
5	In vitro functional analysis of gRNA sites regulating assembly of hepatitis B virus. <i>Communications Biology</i> , 2021, 4, 1407.	2.0	6
6	Viral Genome Conformations and Contacts across Different Lifecycle Stages. <i>Proceedings (mdpi)</i> , 2020, 50, .	0.2	0
7	HBV RNA pre-genome encodes specific motifs that mediate interactions with the viral core protein that promote nucleocapsid assembly. <i>Nature Microbiology</i> , 2017, 2, 17098.	5.9	69
8	Rewriting nature's assembly manual for a ssRNA virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12255-12260.	3.3	47
9	Bacteriophage MS2 genomic RNA encodes an assembly instruction manual for its capsid. <i>Bacteriophage</i> , 2016, 6, e1157666.	1.9	38
10	Revealing the density of encoded functions in a viral RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2227-2232.	3.3	64
11	Observation of unpaired substrate DNA in the flap endonuclease-1 active site. <i>Nucleic Acids Research</i> , 2013, 41, 9839-9847.	6.5	33
12	Proline Scanning Mutagenesis Reveals a Role for the Flap Endonuclease-1 Helical Cap in Substrate Unpairing. <i>Journal of Biological Chemistry</i> , 2013, 288, 34239-34248.	1.6	12
13	Flap endonucleases pass 5'-flaps through a flexible arch using a disorder-thread-order mechanism to confer specificity for free 5'-ends. <i>Nucleic Acids Research</i> , 2012, 40, 4507-4519.	6.5	42
14	Interstrand disulfide crosslinking of DNA bases supports a double nucleotide unpairing mechanism for flap endonucleases. <i>Chemical Communications</i> , 2012, 48, 8895.	2.2	10