

Vamseedhar Rayaprolu

List of Publications by Year in descending order

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16
papers

2,776
citations

932766

10
h-index

996533

15
g-index

16
all docs

16
docs citations

16
times ranked

7743
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Oligomeric and Glycosylated Proteins by Size-Exclusion Chromatography Coupled with Multiangle Light Scattering. <i>Methods in Molecular Biology</i> , 2021, 2271, 343-359.	0.4	1
2	Immunological memory to SARS-CoV-2 assessed for up to 8 months after infection. <i>Science</i> , 2021, 371, .	6.0	2,268
3	Breaking the Dimer of the Voltage Sensing Phosphatase. <i>Biophysical Journal</i> , 2021, 120, 158a.	0.2	0
4	Defining variant-resistant epitopes targeted by SARS-CoV-2 antibodies: A global consortium study. <i>Science</i> , 2021, 374, 472-478.	6.0	228
5	The voltage sensing phosphatase (VSP) localizes to the apical membrane of kidney tubule epithelial cells. <i>PLoS ONE</i> , 2019, 14, e0209056.	1.1	5
6	Dissecting the Components of Sindbis Virus from Arthropod and Vertebrate Hosts: Implications for Infectivity Differences. <i>ACS Infectious Diseases</i> , 2019, 5, 892-902.	1.8	21
7	Curating viscoelastic properties of icosahedral viruses, virus-based nanomaterials, and protein cages. <i>Journal of Biological Physics</i> , 2018, 44, 211-224.	0.7	6
8	Dimerization of the voltage-sensing phosphatase controls its voltage-sensing and catalytic activity. <i>Journal of General Physiology</i> , 2018, 150, 683-696.	0.9	15
9	Changes in the stability and biomechanics of P22 bacteriophage capsid during maturation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1492-1504.	1.1	14
10	Alphavirus Purification Using Low-speed Spin Centrifugation. <i>Bio-protocol</i> , 2018, 8, e2772.	0.2	5
11	Length of encapsidated cargo impacts stability and structure of <i>in vitro</i> assembled alphavirus core-like particles. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 484003.	0.7	19
12	Self-Assembly of an Alphavirus Core-like Particle Is Distinguished by Strong Intersubunit Association Energy and Structural Defects. <i>ACS Nano</i> , 2015, 9, 8898-8906.	7.3	36
13	Fluorometric Estimation of Viral Thermal Stability. <i>Bio-protocol</i> , 2014, 4, .	0.2	10
14	Comparative Analysis of Adeno-Associated Virus Capsid Stability and Dynamics. <i>Journal of Virology</i> , 2013, 87, 13150-13160.	1.5	114
15	Fossil record of an archaeal HK97-like provirus. <i>Virology</i> , 2011, 417, 362-368.	1.1	22
16	Virus particles as active nanomaterials that can rapidly change their viscoelastic properties in response to dilute solutions. <i>Soft Matter</i> , 2010, 6, 5286.	1.2	12