

Richard J Bingham

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

778
citations

623188

14
h-index

752256

20
g-index

26
all docs

26
docs citations

26
times ranked

1034
citing authors

#	ARTICLE	IF	CITATIONS
1	An age-structured model of hepatitis B viral infection highlights the potential of different therapeutic strategies. <i>Scientific Reports</i> , 2022, 12, 1252.	1.6	9
2	Genome Packaging. , 2021, , 488-494.		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	Comparing antiviral strategies against COVID-19 via multiscale within-host modelling. <i>Royal Society Open Science</i> , 2021, 8, 210082.	1.1	17
5	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
6	Therapeutic interfering particles exploiting viral replication and assembly mechanisms show promising performance: a modelling study. <i>Scientific Reports</i> , 2021, 11, 23847.	1.6	1
7	Viral Genome Conformations and Contacts across Different Lifecycle Stages. <i>Proceedings (mdpi)</i> , 2020, 50, .	0.2	0
8	A multiscale model of virus pandemic: Heterogeneous interactive entities in a globally connected world. <i>Mathematical Models and Methods in Applied Sciences</i> , 2020, 30, 1591-1651.	1.7	105
9	Conservation of Genetically-Embedded Virus Assembly Instructions: A Novel Route to Antiviral Therapy. <i>Proceedings (mdpi)</i> , 2020, 50, 87.	0.2	0
10	Assembly of infectious enteroviruses depends on multiple, conserved genomic RNA-coat protein contacts. <i>PLoS Pathogens</i> , 2020, 16, e1009146.	2.1	31
11	Structural characterization of genomic RNA-coat protein contacts in single-stranded RNA viruses by high-resolution cryo-EM. <i>Access Microbiology</i> , 2020, 2, .	0.2	0
12	Dynamic network approach for the modelling of genomic sub-complexes in multi-segmented viruses. <i>Nucleic Acids Research</i> , 2018, 46, 12087-12098.	6.5	11
13	A modelling paradigm for RNA virus assembly. <i>Current Opinion in Virology</i> , 2018, 31, 74-81.	2.6	62
14	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
15	RNA Virus Evolution via a Quasispecies-Based Model Reveals a Drug Target with a High Barrier to Resistance. <i>Viruses</i> , 2017, 9, 347.	1.5	20
16	Bacteriophage MS2 genomic RNA encodes an assembly instruction manual for its capsid. <i>Bacteriophage</i> , 2016, 6, e1157666.	1.9	38
17	Structure and dynamics of POPC bilayers in water solutions of room temperature ionic liquids. <i>Journal of Chemical Physics</i> , 2015, 142, 124706.	1.2	59
18	Dynamics of an asymmetric bilayer lipid membrane in a viscous solvent. <i>Europhysics Letters</i> , 2015, 111, 18004.	0.7	26

#	ARTICLE	IF	CITATIONS
19	Energy, structure and vibrational modes of small water clusters by a simple many-body potential mimicking polarisation effects. <i>Molecular Physics</i> , 2013, 111, 3502-3514.	0.8	3
20	Communication: Non-monotonic supersaturation dependence of the nucleus size of crystals with anisotropically interacting molecules. <i>Journal of Chemical Physics</i> , 2013, 139, 241101.	1.2	13
21	Computational Study of Room-Temperature Ionic Liquids Interacting with a POPC Phospholipid Bilayer. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11205-11216.	1.2	75
22	Structural and Functional Analysis of the Tandem $\hat{\imath}^2$ -Zipper Interaction of a Streptococcal Protein with Human Fibronectin. <i>Journal of Biological Chemistry</i> , 2011, 286, 38311-38320.	1.6	32
23	Undulation instability in a bilayer lipid membrane due to electric field interaction with lipid dipoles. <i>Physical Review E</i> , 2010, 81, 051909.	0.8	21
24	Crystal structures of fibronectin-binding sites from <i>Staphylococcus aureus</i> FnBPA in complex with fibronectin domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12254-12258.	3.3	116