

Alexander Borodavka

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

721
citations

686830

13
h-index

996533

15
g-index

23
all docs

23
docs citations

23
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence that viral RNAs have evolved for efficient, two-stage packaging. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15769-15774.	3.3	131
2	Packaging signals in single-stranded RNA viruses: nature's alternative to a purely electrostatic assembly mechanism. Journal of Biological Physics, 2013, 39, 277-287.	0.7	86
3	Protein-mediated RNA folding governs sequence-specific interactions between rotavirus genome segments. ELife, 2017, 6, .	2.8	70
4	Liquid-liquid phase separation underpins the formation of replication factories in rotaviruses. EMBO Journal, 2021, 40, e107711.	3.5	65
5	Genome packaging in multi-segmented dsRNA viruses: distinct mechanisms with similar outcomes. Current Opinion in Virology, 2018, 33, 106-112.	2.6	62
6	Sizes of Long RNA Molecules Are Determined by the Branching Patterns of Their Secondary Structures. Biophysical Journal, 2016, 111, 2077-2085.	0.2	53
7	A two-stage mechanism of viral RNA compaction revealed by single molecule fluorescence. RNA Biology, 2013, 10, 481-489.	1.5	47
8	Viroplasm: Assembly and Functions of Rotavirus Replication Factories. Viruses, 2021, 13, 1349.	1.5	44
9	Recombinant Rotaviruses Rescued by Reverse Genetics Reveal the Role of NSP5 Hyperphosphorylation in the Assembly of Viral Factories. Journal of Virology, 2019, 94, .	1.5	38
10	Stability of local secondary structure determines selectivity of viral RNA chaperones. Nucleic Acids Research, 2018, 46, 7924-7937.	6.5	28
11	Evidence that avian reovirus σ NS is an RNA chaperone: implications for genome segment assortment. Nucleic Acids Research, 2015, 43, 7044-7057.	6.5	26
12	Rotavirus research: 2014-2020. Virus Research, 2021, 304, 198499.	1.1	21
13	Structural basis of rotavirus RNA chaperone displacement and RNA annealing. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	18
14	Using Species a Rotavirus Reverse Genetics to Engineer Chimeric Viruses Expressing SARS-CoV-2 Spike Epitopes. Journal of Virology, 2022, 96, .	1.5	10
15	Supersensitive Multifluorophore RNA-FISH for Early Virus Detection and Flow-FISH by Using Click Chemistry. ChemBioChem, 2020, 21, 2214-2218.	1.3	5