Alexander Borodavka

List of Publications by Year
in descending order

15	721	686830 13	996533 15
papers	citations	h-index	g-index

23	23	23	649
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using Species a Rotavirus Reverse Genetics to Engineer Chimeric Viruses Expressing SARS-CoV-2 Spike Epitopes. Journal of Virology, 2022, 96, .	1.5	10
2	Viroplasms: Assembly and Functions of Rotavirus Replication Factories. Viruses, 2021, 13, 1349.	1.5	44
3	Liquidâ€“liquid phase separation underpins the formation of replication factories in rotaviruses. EMBO Journal, 2021, 40, e107711.	3.5	65
4	Rotavirus research: 2014â€“2020. Virus Research, 2021, 304, 198499.	1.1	21
5	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
6	Supersensitive Multifluorophore RNAâ€FISH for Early Virus Detection and Flowâ€FISH by Using Click Chemistry. ChemBioChem, 2020, 21, 2214-2218.	1.3	5
7	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
8	Stability of local secondary structure determines selectivity of viral RNA chaperones. Nucleic Acids Research, 2018, 46, 7924-7937.	6.5	28
9	Genome packaging in multi-segmented dsRNA viruses: distinct mechanisms with similar outcomes. Current Opinion in Virology, 2018, 33, 106-112.	2.6	62
10	Protein-mediated RNA folding governs sequence-specific interactions between rotavirus genome segments. ELife, 2017, 6, .	2.8	70
11	Sizes of Long RNA Molecules Are Determined by the Branching Patterns of Their Secondary Structures. Biophysical Journal, 2016, 111, 2077-2085.	0.2	53
12	Evidence that avian reovirus ÏƒNS is an RNA chaperone: implications for genome segment assortment. Nucleic Acids Research, 2015, 43, 7044-7057.	6.5	26
13	Packaging signals in single-stranded RNA viruses: natureâ€™s alternative to a purely electrostatic assembly mechanism. Journal of Biological Physics, 2013, 39, 277-287.	0.7	86
14	A two-stage mechanism of viral RNA compaction revealed by single molecule fluorescence. RNA Biology, 2013, 10, 481-489.	1.5	47
15	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