

Sarah M Mcdonald

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

984
citations

687363

13
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1320
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In Vitro</i> Double-Stranded RNA Synthesis by Rotavirus Polymerase Mutants with Lesions at Core Shell Contact Sites. <i>Journal of Virology</i> , 2019, 93, .	3.4	8
2	Cryo-EM Reveals Architectural Diversity in Active Rotavirus Particles. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 1178-1183.	4.1	5
3	Cryo-EM on a Chip: Custom-Designed Substrates for the 3D Analysis of Macromolecules. <i>Small</i> , 2019, 15, 1900918.	10.0	5
4	Group A Rotavirus VP1 Polymerase and VP2 Core Shell Proteins: Intergenotypic Sequence Variation and <i>In Vitro</i> Functional Compatibility. <i>Journal of Virology</i> , 2019, 93, .	3.4	17
5	A Temperature-Sensitive Lesion in the N-Terminal Domain of the Rotavirus Polymerase Affects Its Intracellular Localization and Enzymatic Activity. <i>Journal of Virology</i> , 2017, 91, .	3.4	12
6	Genetic determinants restricting the reassortment of heterologous NSP2 genes into the simian rotavirus SA11 genome. <i>Scientific Reports</i> , 2017, 7, 9301.	3.3	9
7	Rotavirus genome replication: Some assembly required. <i>PLoS Pathogens</i> , 2017, 13, e1006242.	4.7	30
8	Determinants of VH1-46 Cross-Reactivity to Pempfigus Vulgaris Autoantigen Desmoglein 3 and Rotavirus Antigen VP6. <i>Journal of Immunology</i> , 2016, 197, 1065-1073.	0.8	21
9	Distinguishing the genotype 1 genes and proteins of human Wa-like rotaviruses vs. porcine rotaviruses. <i>Infection, Genetics and Evolution</i> , 2016, 43, 6-14.	2.3	8
10	Reassortment in segmented RNA viruses: mechanisms and outcomes. <i>Nature Reviews Microbiology</i> , 2016, 14, 448-460.	28.6	259
11	Electron microscopic analysis of rotavirus assembly-replication intermediates. <i>Virology</i> , 2015, 477, 32-41.	2.4	21
12	A Non-Symmetric Reconstruction Technique for Transcriptionally-Active Viral Assemblies. <i>Journal of Analytical & Molecular Techniques</i> , 2015, 2, .	0.0	3
13	Structural dynamics of viral nanomachines. <i>Technology</i> , 2014, 02, 44-48.	1.4	5
14	Analysis of Human Rotaviruses from a Single Location Over an 18-Year Time Span Suggests that Protein Coadaption Influences Gene Constellations. <i>Journal of Virology</i> , 2014, 88, 9842-9863.	3.4	23
15	PCR-based approach to distinguish group A human rotavirus genotype 1 vs. genotype 2 genes. <i>Journal of Virological Methods</i> , 2013, 194, 197-205.	2.1	6
16	RNA synthetic mechanisms employed by diverse families of RNA viruses. <i>Wiley Interdisciplinary Reviews RNA</i> , 2013, 4, 351-367.	6.4	77
17	Rotavirus core shell subdomains involved in polymerase encapsidation into virus-like particles. <i>Journal of General Virology</i> , 2013, 94, 1818-1826.	2.9	17
18	Diversity and Relationships of Cocirculating Modern Human Rotaviruses Revealed Using Large-Scale Comparative Genomics. <i>Journal of Virology</i> , 2012, 86, 9148-9162.	3.4	45

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19	Structural insights into the coupling of virion assembly and rotavirus replication. <i>Nature Reviews Microbiology</i> , 2012, 10, 165-177.	28.6	182
20	Intra-genotypic diversity of archival G4P[8] human rotaviruses from Washington, DC. <i>Infection, Genetics and Evolution</i> , 2011, 11, 1586-1594.	2.3	26
21	Rotavirus VP2 Core Shell Regions Critical for Viral Polymerase Activation. <i>Journal of Virology</i> , 2011, 85, 3095-3105.	3.4	57
22	Mechanism for Coordinated RNA Packaging and Genome Replication by Rotavirus Polymerase VP1. <i>Structure</i> , 2008, 16, 1678-1688.	3.3	148