

# Rachel Fearn

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

3,590  
citations

218662

26  
h-index

189881

50  
g-index

56  
all docs

56  
docs citations

56  
times ranked

4653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic efficacy of the small molecule GS-5734 against Ebola virus in rhesus monkeys. <i>Nature</i> , 2016, 531, 381-385.	27.8	1,245
2	Role of the M2-1 Transcription Antitermination Protein of Respiratory Syncytial Virus in Sequential Transcription. <i>Journal of Virology</i> , 1999, 73, 5852-5864.	3.4	207
3	Respiratory Syncytial Virus: Virology, Reverse Genetics, and Pathogenesis of Disease. <i>Current Topics in Microbiology and Immunology</i> , 2013, 372, 3-38.	1.1	193
4	Orally Efficacious Broad-Spectrum Ribonucleoside Analog Inhibitor of Influenza and Respiratory Syncytial Viruses. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	162
5	Initiation and regulation of paramyxovirus transcription and replication. <i>Virology</i> , 2015, 479-480, 545-554.	2.4	105
6	Increased Expression of the N Protein of Respiratory Syncytial Virus Stimulates Minigenome Replication but Does Not Alter the Balance between the Synthesis of mRNA and Antigenome. <i>Virology</i> , 1997, 236, 188-201.	2.4	104
7	Unravelling the complexities of respiratory syncytial virus RNA synthesis. <i>Journal of General Virology</i> , 2006, 87, 1805-1821.	2.9	97
8	Rational Design of Live-Attenuated Recombinant Vaccine Virus for Human Respiratory Syncytial Virus by Reverse Genetics. <i>Advances in Virus Research</i> , 1999, 54, 423-451.	2.1	78
9	Respiratory Syncytial Virus Can Infect Basal Cells and Alter Human Airway Epithelial Differentiation. <i>PLoS ONE</i> , 2014, 9, e102368.	2.5	77
10	The Respiratory Syncytial Virus Polymerase Has Multiple RNA Synthesis Activities at the Promoter. <i>PLoS Pathogens</i> , 2012, 8, e1002980.	4.7	74
11	Structure of the human metapneumovirus polymerase phosphoprotein complex. <i>Nature</i> , 2020, 577, 275-279.	27.8	72
12	How RNA viruses maintain their genome integrity. <i>Journal of General Virology</i> , 2010, 91, 1373-1387.	2.9	70
13	Molecular Basis for the Selective Inhibition of Respiratory Syncytial Virus RNA Polymerase by 2'-Fluoro-4'-Chloromethyl-Cytidine Triphosphate. <i>PLoS Pathogens</i> , 2015, 11, e1004995.	4.7	69
14	Mapping the Transcription and Replication Promoters of Respiratory Syncytial Virus. <i>Journal of Virology</i> , 2002, 76, 1663-1672.	3.4	68
15	Interactome Analysis of the Human Respiratory Syncytial Virus RNA Polymerase Complex Identifies Protein Chaperones as Important Cofactors That Promote L-Protein Stability and RNA Synthesis. <i>Journal of Virology</i> , 2015, 89, 917-930.	3.4	65
16	Model for Polymerase Access to the Overlapped L Gene of Respiratory Syncytial Virus. <i>Journal of Virology</i> , 1999, 73, 388-397.	3.4	62
17	Polymerases of paramyxoviruses and pneumoviruses. <i>Virus Research</i> , 2017, 234, 87-102.	2.2	59
18	Roles of the respiratory syncytial virus trailer region: Effects of mutations on genome production and stress granule formation. <i>Virology</i> , 2010, 406, 241-252.	2.4	55

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19	Respiratory Syncytial Virus Polymerase Can Initiate Transcription from Position 3 of the Leader Promoter. <i>Journal of Virology</i> , 2013, 87, 3196-3207.	3.4	54
20	New antiviral approaches for respiratory syncytial virus and other mononegaviruses: Inhibiting the RNA polymerase. <i>Antiviral Research</i> , 2016, 134, 63-76.	4.1	51
21	Functional Analysis of the Genomic and Antigenomic Promoters of Human Respiratory Syncytial Virus. <i>Journal of Virology</i> , 2000, 74, 6006-6014.	3.4	49
22	Respiratory Syncytial Virus Inhibitor AZ-27 Differentially Inhibits Different Polymerase Activities at the Promoter. <i>Journal of Virology</i> , 2015, 89, 7786-7798.	3.4	48
23	Identification of Internal Sequences in the 3' Leader Region of Human Respiratory Syncytial Virus That Enhance Transcription and Confer Replication Processivity. <i>Journal of Virology</i> , 2005, 79, 2449-2460.	3.4	47
24	Evidence that the polymerase of respiratory syncytial virus initiates RNA replication in a nontemplated fashion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10226-10231.	7.1	35
25	Evidence that the Respiratory Syncytial Virus Polymerase Is Recruited to Nucleotides 1 to 11 at the 3' End of the Nucleocapsid and Can Scan To Access Internal Signals. <i>Journal of Virology</i> , 2005, 79, 11311-11322.	3.4	34
26	Investigating the Influence of Ribavirin on Human Respiratory Syncytial Virus RNA Synthesis by Using a High-Resolution Transcriptome Sequencing Approach. <i>Journal of Virology</i> , 2016, 90, 4876-4888.	3.4	32
27	Interferon-Induced Alterations in the Pattern of Parainfluenza Virus 5 Transcription and Protein Synthesis and the Induction of Virus Inclusion Bodies. <i>Journal of Virology</i> , 2005, 79, 14112-14121.	3.4	30
28	Helical ordering of envelope-associated proteins and glycoproteins in respiratory syncytial virus. <i>EMBO Journal</i> , 2022, 41, e109728.	7.8	29
29	Akt Inhibitor Akt-IV Blocks Virus Replication through an Akt-Independent Mechanism. <i>Journal of Virology</i> , 2009, 83, 11665-11672.	3.4	26
30	RNA elongation by respiratory syncytial virus polymerase is calibrated by conserved region V. <i>PLoS Pathogens</i> , 2017, 13, e1006803.	4.7	26
31	The first two nucleotides of the respiratory syncytial virus antigenome RNA replication product can be selected independently of the promoter terminus. <i>Rna</i> , 2011, 17, 1895-1906.	3.5	25
32	Factors affecting de novo RNA synthesis and back-priming by the respiratory syncytial virus polymerase. <i>Virology</i> , 2014, 462-463, 318-327.	2.4	24
33	Ebolavirus polymerase uses an unconventional genome replication mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8535-8543.	7.1	24
34	Development of an allosteric inhibitor class blocking RNA elongation by the respiratory syncytial virus polymerase complex. <i>Journal of Biological Chemistry</i> , 2018, 293, 16761-16777.	3.4	23
35	Mechanism for de novo initiation at two sites in the respiratory syncytial virus promoter. <i>Nucleic Acids Research</i> , 2018, 46, 6785-6796.	14.5	23
36	EDP-938, a novel nucleoprotein inhibitor of respiratory syncytial virus, demonstrates potent antiviral activities in vitro and in a non-human primate model. <i>PLoS Pathogens</i> , 2021, 17, e1009428.	4.7	21

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37	Killing two birds with one stone: How the respiratory syncytial virus polymerase initiates transcription and replication. <i>PLoS Pathogens</i> , 2019, 15, e1007548.	4.7	18
38	Polymerase-tagged respiratory syncytial virus reveals a dynamic rearrangement of the ribonucleocapsid complex during infection. <i>PLoS Pathogens</i> , 2020, 16, e1008987.	4.7	16
39	Dual Catalytic Synthesis of Antiviral Compounds Based on Metallocarbene Azide Cascade Chemistry. <i>Journal of Organic Chemistry</i> , 2018, 83, 6829-6842.	3.2	14
40	Cation currents in human airway epithelial cells induced by infection with influenza A virus. <i>Journal of Physiology</i> , 2009, 587, 3159-3173.	2.9	13
41	Novel diversity-oriented synthesis-derived respiratory syncytial virus inhibitors identified via a high throughput replicon-based screen. <i>Antiviral Research</i> , 2016, 131, 19-25.	4.1	10
42	Comparison of RNA synthesis initiation properties of non-segmented negative strand RNA virus polymerases. <i>PLoS Pathogens</i> , 2021, 17, e1010151.	4.7	8
43	The respiratory syncytial virus polymerase can perform RNA synthesis with modified primers and nucleotide analogs. <i>Virology</i> , 2020, 540, 66-74.	2.4	6
44	Respiratory syncytial virus M2-1 protein associates non-specifically with viral messenger RNA and with specific cellular messenger RNA transcripts. <i>PLoS Pathogens</i> , 2021, 17, e1009589.	4.7	6
45	The Respiratory Syncytial Virus Polymerase: A Multitasking Machine. <i>Trends in Microbiology</i> , 2019, 27, 969-971.	7.7	5
46	Distinctive features of the respiratory syncytial virus priming loop compared to other non-segmented negative strand RNA viruses. <i>PLoS Pathogens</i> , 2022, 18, e1010451.	4.7	5
47	Decapping protein 1 phosphorylation modulates IL-8 expression during respiratory syncytial virus infection. <i>Virology</i> , 2015, 481, 199-209.	2.4	4
48	Third Tofo Advanced Study Week on Emerging and Re-emerging Viruses, 2018. <i>Antiviral Research</i> , 2019, 162, 142-150.	4.1	3
49	RSV M2-1 Protein in Complex with RNA: Old Questions Are Answered and a New One Emerges. <i>Structure</i> , 2020, 28, 977-978.	3.3	3
50	Genetic instability of RNA viruses. , 2021, , 23-38.		0