

Rachel L Roper

List of Publications by Year in descending order

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47
papers

5,311
citations

186209

28
h-index

223716

46
g-index

47
all docs

47
docs citations

47
times ranked

5521
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genome Sequence of the SARS-Associated Coronavirus. <i>Science</i> , 2003, 300, 1399-1404.	6.0	1,842
2	A new view of prostaglandin E regulation of the immune response. <i>Trends in Immunology</i> , 1991, 12, 349-352.	7.5	506
3	Virulence differences between monkeypox virus isolates from West Africa and the Congo basin. <i>Virology</i> , 2005, 340, 46-63.	1.1	342
4	Mutagenesis of phospholipase D defines a superfamily including a trans-Golgi viral protein required for poxvirus pathogenicity. <i>EMBO Journal</i> , 1997, 16, 4519-4530.	3.5	341
5	Poxvirus Orthologous Clusters: toward Defining the Minimum Essential Poxvirus Genome. <i>Journal of Virology</i> , 2003, 77, 7590-7600.	1.5	254
6	SARS vaccines: where are we?. <i>Expert Review of Vaccines</i> , 2009, 8, 887-898.	2.0	165
7	Severe Acute Respiratory Syndrome (SARS): A Year in Review. <i>Annual Review of Medicine</i> , 2005, 56, 357-381.	5.0	150
8	Comparative evaluation of two severe acute respiratory syndrome (SARS) vaccine candidates in mice challenged with SARS coronavirus. <i>Journal of General Virology</i> , 2006, 87, 641-650.	1.3	145
9	Extracellular vaccinia virus envelope glycoprotein encoded by the A33R gene. <i>Journal of Virology</i> , 1996, 70, 3753-3762.	1.5	140
10	The Envelope Protein Encoded by the A33R Gene Is Required for Formation of Actin-Containing Microvilli and Efficient Cell-to-Cell Spread of Vaccinia Virus. <i>Journal of Virology</i> , 1998, 72, 4192-4204.	1.5	138
11	Prostaglandin E2 promotes IL-4-induced IgE and IgG1 synthesis. <i>Journal of Immunology</i> , 1990, 145, 2644-51.	0.4	110
12	JDotter: a Java interface to multiple dotplots generated by dotter. <i>Bioinformatics</i> , 2004, 20, 279-281.	1.8	102
13	Prostaglandin E2 promotes B lymphocyte Ig isotype switching to IgE. <i>Journal of Immunology</i> , 1995, 154, 162-70.	0.4	94
14	Severe acute respiratory syndrome vaccine efficacy in ferrets: whole killed virus and adenovirus-vectored vaccines. <i>Journal of General Virology</i> , 2008, 89, 2136-2146.	1.3	87
15	Prostaglandin E2 and cAMP inhibit B lymphocyte activation and simultaneously promote IgE and IgG1 synthesis. <i>Journal of Immunology</i> , 1992, 149, 2984-91.	0.4	70
16	Base-By-Base: single nucleotide-level analysis of whole viral genome alignments. <i>BMC Bioinformatics</i> , 2004, 5, 96.	1.2	64
17	Does Gender Bias Still Affect Women in Science?. <i>Microbiology and Molecular Biology Reviews</i> , 2019, 83, .	2.9	63
18	Poxvirus Orthologous Clusters (POCs). <i>Bioinformatics</i> , 2002, 18, 1544-1545.	1.8	62

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19	The complete sequence of the bovine torovirus genome. <i>Virus Research</i> , 2006, 115, 56-68.	1.1	59
20	Prostaglandin E2 Inhibits B Lymphocyte Activation by a cAMP-Dependent Mechanism: PGE-Inducible Regulatory Proteins. <i>Cellular Immunology</i> , 1994, 154, 296-308.	1.4	49
21	Prostaglandin E2 and cAMP promote B lymphocyte class switching to IgG1. <i>Immunology Letters</i> , 2002, 84, 191-198.	1.1	47
22	Complete coding sequences of the rabbitpox virus genome. <i>Journal of General Virology</i> , 2005, 86, 2969-2977.	1.3	41
23	Vaccinia virus A35R inhibits MHC class II antigen presentation. <i>Virology</i> , 2010, 397, 176-186.	1.1	41
24	Genomic differences of Vaccinia virus clones from Dryvax smallpox vaccine: The Dryvax-like ACAM2000 and the mouse neurovirulent Clone-3. <i>Vaccine</i> , 2007, 25, 8807-8832.	1.7	40
25	Deletion of the A35 gene from Modified Vaccinia Virus Ankara increases immunogenicity and isotype switching. <i>Vaccine</i> , 2011, 29, 3276-3283.	1.7	40
26	Envelope Formation Is Blocked by Mutation of a Sequence Related to the HKD Phospholipid Metabolism Motif in the Vaccinia Virus F13L Protein. <i>Journal of Virology</i> , 1999, 73, 1108-1117.	1.5	38
27	Regulation of B-Cell Tolerance and Triggering by Macrophages and Lymphoid Dendritic Cells. <i>Immunological Reviews</i> , 1990, 117, 135-158.	2.8	36
28	Vaccinia virus decreases major histocompatibility complex (MHC) class II antigen presentation, T cell priming, and peptide association with MHC class II. <i>Immunology</i> , 2009, 128, 381-392.	2.0	32
29	Characterization of the Vaccinia Virus A35R Protein and Its Role in Virulence. <i>Journal of Virology</i> , 2006, 80, 306-313.	1.5	31
30	Unique SARS-CoV protein nsp1: bioinformatics, biochemistry and potential effects on virulence. <i>Trends in Microbiology</i> , 2007, 15, 51-53.	3.5	31
31	The effects of diets enriched in omega-3 polyunsaturated fatty acids on systemic vaccinia virus infection. <i>Scientific Reports</i> , 2017, 7, 15999.	1.6	19
32	The Poxvirus A35 Protein Is an Immunoregulator. <i>Journal of Virology</i> , 2010, 84, 418-425.	1.5	18
33	Murine mesothelin: characterization, expression, and inhibition of tumor growth in a murine model of pancreatic cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016, 35, 39.	3.5	18
34	Raccoonpoxvirus safety in immunocompromised and pregnant mouse models. <i>Vaccine</i> , 2014, 32, 3977-3981.	1.7	13
35	Mosquito-infecting virus Espirito Santo virus inhibits replication and spread of dengue virus. <i>Journal of Medical Virology</i> , 2021, 93, 3362-3373.	2.5	13
36	SARS-CoV-2 Detection in air samples from inside heating, ventilation, and air conditioning (HVAC) systems- COVID surveillance in student dorms. <i>American Journal of Infection Control</i> , 2022, 50, 330-335.	1.1	13

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37	Rapid Response Research - SARS Coronavirus Vaccines and Application of Processes to Other Emerging Infectious Diseases. <i>Current Immunology Reviews</i> , 2005, 1, 185-200.	1.2	11
38	Genome sequence and comparative virulence of raccoonpox virus: the first North American poxvirus sequence. <i>Journal of General Virology</i> , 2015, 96, 2806-2821.	1.3	11
39	Alternative antigen presentation pathways: accessory cells which down-regulate immune responses. <i>Regional Immunology</i> , 1989, 2, 326-39.	0.4	7
40	Rapid Preparation of Vaccinia Virus DNA Template for Analysis and Cloning by PCR. , 2004, 269, 113-118.		6
41	Poxvirus Safety Analysis in the Pregnant Mouse Model, Vaccinia, and Raccoonpox Viruses. <i>Methods in Molecular Biology</i> , 2017, 1581, 121-129.	0.4	6
42	The H-Index in Medicine and Science: Does It Favor H-im or H-er? Successes and Hurdles for Women Faculty. <i>Digestive Diseases and Sciences</i> , 2022, 67, 388-389.	1.1	5
43	Species-Specific Conservation of Linear Antigenic Sites on Vaccinia Virus A27 Protein Homologs of Orthopoxviruses. <i>Viruses</i> , 2019, 11, 493.	1.5	4
44	Development of improved therapeutic mesothelin-based vaccines for pancreatic cancer. <i>PLoS ONE</i> , 2018, 13, e0193131.	1.1	3
45	Discontinuation of Transmission Precautions for COVID-19 Patients. <i>Infectious Diseases in Clinical Practice</i> , 2021, 29, e287-e293.	0.1	2
46	Antigen Presentation Assays to Investigate Uncharacterized Immunoregulatory Genes. <i>Methods in Molecular Biology</i> , 2012, 890, 259-271.	0.4	1
47	Simple, Rapid Preparation of Poxvirus DNA for PCR Cloning and Analysis. <i>Methods in Molecular Biology</i> , 2019, 2023, 63-71.	0.4	1