

Ursula J Buchholz

List of Publications by Citations

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89
papers

5,352
citations

36
h-index

72
g-index

96
ext. papers

6,233
ext. citations

7
avg, IF

5.21
L-index

#	Paper	IF	Citations
89	Generation of bovine respiratory syncytial virus (BRSV) from cDNA: BRSV NS2 is not essential for virus replication in tissue culture, and the human RSV leader region acts as a functional BRSV genome promoter. <i>Journal of Virology</i> , 1999 , 73, 251-9	6.6	775
88	Contributions of the structural proteins of severe acute respiratory syndrome coronavirus to protective immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9804-9	11.5	310
87	The respiratory syncytial virus vaccine landscape: lessons from the graveyard and promising candidates. <i>Lancet Infectious Diseases, The</i> , 2018 , 18, e295-e311	25.5	218
86	Mucosal immunisation of African green monkeys (<i>Cercopithecus aethiops</i>) with an attenuated parainfluenza virus expressing the SARS coronavirus spike protein for the prevention of SARS. <i>Lancet, The</i> , 2004 , 363, 2122-7	4.0	216
85	Bovine respiratory syncytial virus nonstructural proteins NS1 and NS2 cooperatively antagonize alpha/beta interferon-induced antiviral response. <i>Journal of Virology</i> , 2000 , 74, 8234-42	6.6	194
84	Genetic diversity between human metapneumovirus subgroups. <i>Virology</i> , 2003 , 315, 1-9	3.6	191
83	Recombinant human Metapneumovirus lacking the small hydrophobic SH and/or attachment G glycoprotein: deletion of G yields a promising vaccine candidate. <i>Journal of Virology</i> , 2004 , 78, 12877-87	6.6	164
82	The two major human metapneumovirus genetic lineages are highly related antigenically, and the fusion (F) protein is a major contributor to this antigenic relatedness. <i>Journal of Virology</i> , 2004 , 78, 6927-37	6.6	146
81	Generation of recombinant lentogenic Newcastle disease virus from cDNA. <i>Journal of General Virology</i> , 1999 , 80 (Pt 11), 2987-2995	4.9	136
80	Taxonomy of the order Mononegavirales: update 2019. <i>Archives of Virology</i> , 2019 , 164, 1967-1980	2.6	133
79	Infection of nonhuman primates with recombinant human metapneumovirus lacking the SH, G, or M2-2 protein categorizes each as a nonessential accessory protein and identifies vaccine candidates. <i>Journal of Virology</i> , 2005 , 79, 12608-13	6.6	125
78	A chimeric A2 strain of respiratory syncytial virus (RSV) with the fusion protein of RSV strain line 19 exhibits enhanced viral load, mucus, and airway dysfunction. <i>Journal of Virology</i> , 2009 , 83, 4185-94	6.6	117
77	Live-attenuated respiratory syncytial virus vaccines. <i>Current Topics in Microbiology and Immunology</i> , 2013 , 372, 259-84	3.3	107
76	Recovery of human metapneumovirus from cDNA: optimization of growth in vitro and expression of additional genes. <i>Virology</i> , 2004 , 321, 247-59	3.6	105
75	Attenuation of human respiratory syncytial virus by genome-scale codon-pair deoptimization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13169-74	11.5	95
74	Individual contributions of the human metapneumovirus F, G, and SH surface glycoproteins to the induction of neutralizing antibodies and protective immunity. <i>Virology</i> , 2006 , 345, 492-501	3.6	94
73	Respiratory syncytial virus interferon antagonist NS1 protein suppresses and skews the human T lymphocyte response. <i>PLoS Pathogens</i> , 2011 , 7, e1001336	7.6	90

72	Nonstructural proteins 1 and 2 of respiratory syncytial virus suppress maturation of human dendritic cells. <i>Journal of Virology</i> , 2008 , 82, 8780-96	6.6	88
71	TLR4 genotype and environmental LPS mediate RSV bronchiolitis through Th2 polarization. <i>Journal of Clinical Investigation</i> , 2015 , 125, 571-82	15.9	87
70	The open reading frame 3a protein of severe acute respiratory syndrome-associated coronavirus promotes membrane rearrangement and cell death. <i>Journal of Virology</i> , 2010 , 84, 1097-109	6.6	79
69	Deletion of M2 gene open reading frames 1 and 2 of human metapneumovirus: effects on RNA synthesis, attenuation, and immunogenicity. <i>Journal of Virology</i> , 2005 , 79, 6588-97	6.6	77
68	A gene deletion that up-regulates viral gene expression yields an attenuated RSV vaccine with improved antibody responses in children. <i>Science Translational Medicine</i> , 2015 , 7, 312ra175	17.5	76
67	RSV-encoded NS2 promotes epithelial cell shedding and distal airway obstruction. <i>Journal of Clinical Investigation</i> , 2014 , 124, 2219-33	15.9	70
66	Human metapneumovirus (HMPV) binding and infection are mediated by interactions between the HMPV fusion protein and heparan sulfate. <i>Journal of Virology</i> , 2012 , 86, 3230-43	6.6	69
65	Low-pH triggering of human metapneumovirus fusion: essential residues and importance in entry. <i>Journal of Virology</i> , 2009 , 83, 1511-22	6.6	66
64	Chimeric bovine respiratory syncytial virus with glycoprotein gene substitutions from human respiratory syncytial virus (HRSV): effects on host range and evaluation as a live-attenuated HRSV vaccine. <i>Journal of Virology</i> , 2000 , 74, 1187-99	6.6	64
63	Recombinant bovine respiratory syncytial virus with deletions of the G or SH genes: G and F proteins bind heparin. <i>Journal of General Virology</i> , 2001 , 82, 631-640	4.9	62
62	Rapid human metapneumovirus microneutralization assay based on green fluorescent protein expression. <i>Journal of Virological Methods</i> , 2005 , 128, 192-7	2.6	57
61	Respiratory syncytial virus modified by deletions of the NS2 gene and amino acid S1313 of the L polymerase protein is a temperature-sensitive, live-attenuated vaccine candidate that is phenotypically stable at physiological temperature. <i>Journal of Virology</i> , 2013 , 87, 1985-96	6.6	55
60	Infection and maturation of monocyte-derived human dendritic cells by human respiratory syncytial virus, human metapneumovirus, and human parainfluenza virus type 3. <i>Virology</i> , 2009 , 385, 169-82	3.6	52
59	Taxonomy of the order Mononegavirales: second update 2018. <i>Archives of Virology</i> , 2019 , 164, 1233-1244.6		50
58	Chimeric recombinant human metapneumoviruses with the nucleoprotein or phosphoprotein open reading frame replaced by that of avian metapneumovirus exhibit improved growth in vitro and attenuation in vivo. <i>Journal of Virology</i> , 2005 , 79, 15114-22	6.6	49
57	The human respiratory syncytial virus nonstructural protein 1 regulates type I and type II interferon pathways. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 108-27	7.6	42
56	Increased genetic and phenotypic stability of a promising live-attenuated respiratory syncytial virus vaccine candidate by reverse genetics. <i>Journal of Virology</i> , 2012 , 86, 10792-804	6.6	39
55	Human metapneumovirus Induces Reorganization of the Actin Cytoskeleton for Direct Cell-to-Cell Spread. <i>PLoS Pathogens</i> , 2016 , 12, e1005922	7.6	39

54	Low CCR7-mediated migration of human monocyte derived dendritic cells in response to human respiratory syncytial virus and human metapneumovirus. <i>PLoS Pathogens</i> , 2011 , 7, e1002105	7.6	36
53	Modification of the trypsin-dependent cleavage activation site of the human metapneumovirus fusion protein to be trypsin independent does not increase replication or spread in rodents or nonhuman primates. <i>Journal of Virology</i> , 2006 , 80, 5798-806	6.6	36
52	Actin-Related Protein 2 (ARP2) and Virus-Induced Filopodia Facilitate Human Respiratory Syncytial Virus Spread. <i>PLoS Pathogens</i> , 2016 , 12, e1006062	7.6	36
51	Safety and infectivity of two doses of live-attenuated recombinant cold-passaged human parainfluenza type 3 virus vaccine rHPIV3cp45 in HPIV3-seronegative young children. <i>Vaccine</i> , 2013 , 31, 5706-12	4.1	34
50	Effects of human respiratory syncytial virus, metapneumovirus, parainfluenza virus 3 and influenza virus on CD4+ T cell activation by dendritic cells. <i>PLoS ONE</i> , 2010 , 5, e15017	3.7	34
49	Live-Attenuated Respiratory Syncytial Virus Vaccine Candidate With Deletion of RNA Synthesis Regulatory Protein M2-2 is Highly Immunogenic in Children. <i>Journal of Infectious Diseases</i> , 2018 , 217, 1347-1355	7	33
48	Genetic stability of genome-scale deoptimized RNA virus vaccine candidates under selective pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E386-E395	11.5	31
47	Frequent frameshift and point mutations in the SH gene of human metapneumovirus passaged in vitro. <i>Journal of Virology</i> , 2007 , 81, 6057-67	6.6	31
46	Recombinant bovine respiratory syncytial virus with deletion of the SH gene induces increased apoptosis and pro-inflammatory cytokines in vitro, and is attenuated and induces protective immunity in calves. <i>Journal of General Virology</i> , 2014 , 95, 1244-1254	4.9	30
45	Live Respiratory Syncytial Virus (RSV) Vaccine Candidate Containing Stabilized Temperature-Sensitivity Mutations Is Highly Attenuated in RSV-Seronegative Infants and Children. <i>Journal of Infectious Diseases</i> , 2018 , 217, 1338-1346	7	29
44	Differential Responses by Human Respiratory Epithelial Cell Lines to Respiratory Syncytial Virus Reflect Distinct Patterns of Infection Control. <i>Journal of Virology</i> , 2018 , 92,	6.6	28
43	Mucosal immunization with live recombinant bovine respiratory syncytial virus (BRSV) and recombinant BRSV lacking the envelope glycoprotein G protects against challenge with wild-type BRSV. <i>Journal of Virology</i> , 2002 , 76, 12355-9	6.6	27
42	Experimental infection of adults with recombinant wild-type human metapneumovirus. <i>Journal of Infectious Diseases</i> , 2013 , 208, 1669-78	7	26
41	Codon stabilization analysis of the "248" temperature sensitive mutation for increased phenotypic stability of respiratory syncytial virus vaccine candidates. <i>Vaccine</i> , 2009 , 27, 5667-76	4.1	26
40	Mapping and characterization of the primary and anamnestic H-2(d)-restricted cytotoxic T-lymphocyte response in mice against human metapneumovirus. <i>Journal of Virology</i> , 2007 , 81, 11461-7	6.6	25
39	A comprehensive proteomic view of responses of A549 type II alveolar epithelial cells to human respiratory syncytial virus infection. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 3250-69	7.6	24
38	Recovery of avian metapneumovirus subgroup C from cDNA: cross-recognition of avian and human metapneumovirus support proteins. <i>Journal of Virology</i> , 2006 , 80, 5790-7	6.6	24
37	Attenuation of Human Respiratory Viruses by Synonymous Genome Recoding. <i>Frontiers in Immunology</i> , 2019 , 10, 1250	8.4	23

36	Respiratory syncytial virus infection induces a subset of types I and III interferons in human dendritic cells. <i>Virology</i> , 2017 , 504, 63-72	3.6	22
35	Live vaccines for human metapneumovirus designed by reverse genetics. <i>Expert Review of Vaccines</i> , 2006 , 5, 695-706	5.2	22
34	The alpha-1 subunit of the Na ⁺ ,K ⁺ -ATPase (ATP1A1) is required for macropinocytic entry of respiratory syncytial virus (RSV) in human respiratory epithelial cells. <i>PLoS Pathogens</i> , 2019 , 15, e1007963	7.6	20
33	Deletion of nonstructural proteins NS1 and NS2 from pneumonia virus of mice attenuates viral replication and reduces pulmonary cytokine expression and disease. <i>Journal of Virology</i> , 2009 , 83, 1969-80	6.6	20
32	Both nonstructural proteins NS1 and NS2 of pneumonia virus of mice are inhibitors of the interferon type I and type III responses in vivo. <i>Journal of Virology</i> , 2011 , 85, 4071-84	6.6	19
31	Chimeric bovine/human parainfluenza virus type 3 expressing respiratory syncytial virus (RSV) F glycoprotein: effect of insert position on expression, replication, immunogenicity, stability, and protection against RSV infection. <i>Journal of Virology</i> , 2014 , 88, 4237-50	6.6	18
30	Human metapneumovirus SH and G glycoproteins inhibit macropinocytosis-mediated entry into human dendritic cells and reduce CD4 ⁺ T cell activation. <i>Journal of Virology</i> , 2014 , 88, 6453-69	6.6	18
29	Identification of a novel virulence factor in recombinant pneumonia virus of mice. <i>Journal of Virology</i> , 2007 , 81, 9490-501	6.6	18
28	Evaluation of a Live-Attenuated Human Parainfluenza Type 1 Vaccine in Adults and Children. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2015 , 4, e143-6	4.8	17
27	Chimeric bovine respiratory syncytial virus with attachment and fusion glycoproteins replaced by bovine parainfluenza virus type 3 hemagglutinin-neuraminidase and fusion proteins. <i>Journal of Virology</i> , 2001 , 75, 9367-77	6.6	16
26	Potential electrostatic interactions in multiple regions affect human metapneumovirus F-mediated membrane fusion. <i>Journal of Virology</i> , 2012 , 86, 9843-53	6.6	15
25	Safety and Immunogenicity of the Respiratory Syncytial Virus Vaccine RSV/NS2/1313/11314L in RSV-Seronegative Children. <i>Journal of Infectious Diseases</i> , 2020 , 222, 82-91	7	15
24	Evaluation of a Live Attenuated Human Metapneumovirus Vaccine in Adults and Children. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2018 , 7, 86-89	4.8	14
23	Live-Attenuated Respiratory Syncytial Virus Vaccine With M2-2 Deletion and With Small Hydrophobic Noncoding Region Is Highly Immunogenic in Children. <i>Journal of Infectious Diseases</i> , 2020 , 221, 2050-2059	7	12
22	A novel protein expression strategy using recombinant bovine respiratory syncytial virus (BRSV): modifications of the peptide sequence between the two furin cleavage sites of the BRSV fusion protein yield secreted proteins, but affect processing and function of the BRSV fusion protein. <i>Journal of General Virology</i> , 2004 , 85, 1815-1824	4.9	12
21	Live Respiratory Syncytial Virus Attenuated by M2-2 Deletion and Stabilized Temperature Sensitivity Mutation 1030s Is a Promising Vaccine Candidate in Children. <i>Journal of Infectious Diseases</i> , 2020 , 221, 534-543	7	12
20	Effects of Alterations to the CX3C Motif and Secreted Form of Human Respiratory Syncytial Virus (RSV) G Protein on Immune Responses to a Parainfluenza Virus Vector Expressing the RSV G Protein. <i>Journal of Virology</i> , 2019 , 93,	6.6	12
19	A single intranasal dose of a live-attenuated parainfluenza virus-vectored SARS-CoV-2 vaccine is protective in hamsters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11

18	Attenuation of live respiratory syncytial virus vaccines is associated with reductions in levels of nasal cytokines. <i>Journal of Infectious Diseases</i> , 2013 , 207, 1773-9	7	10
17	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. <i>Archives of Virology</i> , 2021 , 166, 3513-3566	2.6	10
16	Evaluation of the replication, pathogenicity, and immunogenicity of avian paramyxovirus (APMV) serotypes 2, 3, 4, 5, 7, and 9 in rhesus macaques. <i>PLoS ONE</i> , 2013 , 8, e75456	3.7	9
15	Type I IFN ineffectively activates neonatal dendritic cells limiting respiratory antiviral T-cell responses. <i>Mucosal Immunology</i> , 2020 , 13, 371-380	9.2	9
14	Live-attenuated Vaccines Prevent Respiratory Syncytial Virus-associated Illness in Young Children. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 594-603	10.2	9
13	Attenuated Human Parainfluenza Virus Type 1 Expressing Ebola Virus Glycoprotein GP Administered Intranasally Is Immunogenic in African Green Monkeys. <i>Journal of Virology</i> , 2017 , 91,	6.6	8
12	Live-Attenuated Respiratory Syncytial Virus Vaccine With Deletion of RNA Synthesis Regulatory Protein M2-2 and Cold Passage Mutations Is Overattenuated. <i>Open Forum Infectious Diseases</i> , 2019 , 6, ofz212	1	8
11	Evaluation of pneumonia virus of mice as a possible human pathogen. <i>Journal of Virology</i> , 2012 , 86, 5829-43	6.4	8
10	Multicolor Stimulated Emission Depletion (STED) Microscopy to Generate High-resolution Images of Respiratory Syncytial Virus Particles and Infected Cells. <i>Bio-protocol</i> , 2017 , 7,	0.9	8
9	Optimization of the Codon Pair Usage of Human Respiratory Syncytial Virus Paradoxically Resulted in Reduced Viral Replication and Reduced Immunogenicity. <i>Journal of Virology</i> , 2020 , 94,	6.6	7
8	A novel host factor for human respiratory syncytial virus. <i>Communicative and Integrative Biology</i> , 2017 , 10, e1319025	1.7	7
7	Lack of Activation Marker Induction and Chemokine Receptor Switch in Human Neonatal Myeloid Dendritic Cells in Response to Human Respiratory Syncytial Virus. <i>Journal of Virology</i> , 2019 , 93,	6.6	5
6	Murine Pneumonia Virus Expressing the Fusion Glycoprotein of Human Respiratory Syncytial Virus from an Added Gene Is Highly Attenuated and Immunogenic in Rhesus Macaques. <i>Journal of Virology</i> , 2018 , 92,	6.6	4
5	Rescue of codon-pair deoptimized respiratory syncytial virus by the emergence of genomes with very large internal deletions that complemented replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
4	Proposal for Human Respiratory Syncytial Virus Nomenclature below the Species Level. <i>Emerging Infectious Diseases</i> , 2021 , 27, 1-9	10.2	4
3	A Parainfluenza Virus Vector Expressing the Respiratory Syncytial Virus (RSV) Prefusion F Protein Is More Effective than RSV for Boosting a Primary Immunization with RSV. <i>Journal of Virology</i> , 2020 , 95,	6.6	3
2	Extremely potent monoclonal antibodies neutralize Omicron and other SARS-CoV-2 variants. 2022 ,		1
1	Reversion mutations in phosphoprotein P of a codon-pair-deoptimized human respiratory syncytial virus confer increased transcription, immunogenicity, and genetic stability without loss of attenuation.. <i>PLoS Pathogens</i> , 2021 , 17, e1010191	7.6	0

