Ursula J Buchholz

List of Publications by Year
in descending order

93	6,895	71102 41	62596 80
papers	citations	h-index	g-index

96	96	96	6683
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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. Journal of Virology, 1999, 73, 251-259.	3.4	888
2	Contributions of the structural proteins of severe acute respiratory syndrome coronavirus to protective immunity. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9804-9809.	7.1	372
3	The respiratory syncytial virus vaccine landscape: lessons from the graveyard and promising candidates. Lancet Infectious Diseases, The, 2018, 18, e295-e311.	9.1	355
4	Mucosal immunisation of African green monkeys (Cercopithecus aethiops) with an attenuated parainfluenza virus expressing the SARS coronavirus spike protein for the prevention of SARS. Lancet, The, 2004, 363, 2122-2127.	13.7	252
5	Taxonomy of the order Mononegavirales: update 2019. Archives of Virology, 2019, 164, 1967-1980.	2.1	224
6	Genetic diversity between human metapneumovirus subgroups. Virology, 2003, 315, 1-9.	2.4	219
7	Bovine Respiratory Syncytial Virus Nonstructural Proteins NS1 and NS2 Cooperatively Antagonize Alpha/Beta Interferon-Induced Antiviral Response. Journal of Virology, 2000, 74, 8234-8242.	3.4	217
8	Recombinant Human Metapneumovirus Lacking the Small Hydrophobic SH and/or Attachment G Glycoprotein: Deletion of G Yields a Promising Vaccine Candidate. Journal of Virology, 2004, 78, 12877-12887.	3.4	192
9	2020 taxonomic update for phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2020, 165, 3023-3072.	2.1	184
10	The Two Major Human Metapneumovirus Genetic Lineages Are Highly Related Antigenically, and the Fusion (F) Protein Is a Major Contributor to This Antigenic Relatedness. Journal of Virology, 2004, 78, 6927-6937.	3.4	162
11	Generation of recombinant lentogenic Newcastle disease virus from cDNA. Journal of General Virology, 1999, 80, 2987-2995.	2.9	148
12	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. Journal of Virology, 2005, 79, 12608-12613.	3.4	147
13	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. Journal of Virology, 2009, 83, 4185-4194.	3.4	144
14	Recovery of human metapneumovirus from cDNA: optimization of growth in vitro and expression of additional genes. Virology, 2004, 321, 247-259.	2.4	122
15	The Open Reading Frame 3a Protein of Severe Acute Respiratory Syndrome-Associated Coronavirus Promotes Membrane Rearrangement and Cell Death. Journal of Virology, 2010, 84, 1097-1109.	3.4	119
16	Live-Attenuated Respiratory Syncytial Virus Vaccines. Current Topics in Microbiology and Immunology, 2013, 372, 259-284.	1.1	116
17	Individual contributions of the human metapneumovirus F, G, and SH surface glycoproteins to the induction of neutralizing antibodies and protective immunity. Virology, 2006, 345, 492-501.	2.4	113
18	Attenuation of human respiratory syncytial virus by genome-scale codon-pair deoptimization. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13169-13174.	7.1	113

#	Article	IF	Citations
19	TLR4 genotype and environmental LPS mediate RSV bronchiolitis through Th2 polarization. Journal of Clinical Investigation, 2015, 125, 571-582.	8.2	103
20	Nonstructural Proteins 1 and 2 of Respiratory Syncytial Virus Suppress Maturation of Human Dendritic Cells. Journal of Virology, 2008, 82, 8780-8796.	3.4	100
21	Respiratory Syncytial Virus Interferon Antagonist NS1 Protein Suppresses and Skews the Human T Lymphocyte Response. PLoS Pathogens, 2011, 7, e1001336.	4.7	98
22	A gene deletion that up-regulates viral gene expression yields an attenuated RSV vaccine with improved antibody responses in children. Science Translational Medicine, 2015, 7, 312ra175.	12.4	93
23	RSV-encoded NS2 promotes epithelial cell shedding and distal airway obstruction. Journal of Clinical Investigation, 2014, 124, 2219-2233.	8.2	92
24	Deletion of M2 Gene Open Reading Frames 1 and 2 of Human Metapneumovirus: Effects on RNA Synthesis, Attenuation, and Immunogenicity. Journal of Virology, 2005, 79, 6588-6597.	3.4	91
25	Rapid human metapneumovirus microneutralization assay based on green fluorescent protein expression. Journal of Virological Methods, 2005, 128, 192-197.	2.1	87
26	Human Metapneumovirus (HMPV) Binding and Infection Are Mediated by Interactions between the HMPV Fusion Protein and Heparan Sulfate. Journal of Virology, 2012, 86, 3230-3243.	3.4	86
27	Recombinant bovine respiratory syncytial virus with deletions of the G or SH genes: G and F proteins bind heparin. Journal of General Virology, 2001, 82, 631-640.	2.9	71
28	Taxonomy of the order Mononegavirales: second update 2018. Archives of Virology, 2019, 164, 1233-1244.	2.1	70
29	Low-pH Triggering of Human Metapneumovirus Fusion: Essential Residues and Importance in Entry. Journal of Virology, 2009, 83, 1511-1522.	3.4	68
30	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. Journal of Virology, 2000, 74, 1187-1199.	3.4	66
31	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. Journal of Virology, 2013, 87, 1985-1996.	3.4	66
32	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2021, 166, 3513-3566.	2.1	62
33	Human metapneumovirus Induces Reorganization of the Actin Cytoskeleton for Direct Cell-to-Cell Spread. PLoS Pathogens, 2016, 12, e1005922.	4.7	61
34	Actin-Related Protein 2 (ARP2) and Virus-Induced Filopodia Facilitate Human Respiratory Syncytial Virus Spread. PLoS Pathogens, 2016, 12, e1006062.	4.7	59
35	Infection and maturation of monocyte-derived human dendritic cells by human respiratory syncytial virus, human metapneumovirus, and human parainfluenza virus type 3. Virology, 2009, 385, 169-182.	2.4	58
36	Live-Attenuated Respiratory Syncytial Virus Vaccine Candidate With Deletion of RNA Synthesis Regulatory Protein M2-2 is Highly Immunogenic in Children. Journal of Infectious Diseases, 2018, 217, 1347-1355.	4.0	55

#	Article	IF	Citations
37	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. Journal of Virology, 2005, 79, 15114-15122.	3.4	54
38	Live Respiratory Syncytial Virus (RSV) Vaccine Candidate Containing Stabilized Temperature-Sensitivity Mutations Is Highly Attenuated in RSV-Seronegative Infants and Children. Journal of Infectious Diseases, 2018, 217, 1338-1346.	4.0	46
39	The Human Respiratory Syncytial Virus Nonstructural Protein 1 Regulates Type I and Type II Interferon Pathways. Molecular and Cellular Proteomics, 2012, 11, 108-127.	3.8	45
40	Low CCR7-Mediated Migration of Human Monocyte Derived Dendritic Cells in Response to Human Respiratory Syncytial Virus and Human Metapneumovirus. PLoS Pathogens, 2011, 7, e1002105.	4.7	44
41	Differential Responses by Human Respiratory Epithelial Cell Lines to Respiratory Syncytial Virus Reflect Distinct Patterns of Infection Control. Journal of Virology, 2018, 92, .	3.4	44
42	A single intranasal dose of a live-attenuated parainfluenza virus-vectored SARS-CoV-2 vaccine is protective in hamsters. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	43
43	Increased Genetic and Phenotypic Stability of a Promising Live-Attenuated Respiratory Syncytial Virus Vaccine Candidate by Reverse Genetics. Journal of Virology, 2012, 86, 10792-10804.	3.4	42
44	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. Journal of Virology, 2006, 80, 5798-5806.	3.4	41
45	Safety and infectivity of two doses of live-attenuated recombinant cold-passaged human parainfluenza type 3 virus vaccine rHPIV3cp45 in HPIV3-seronegative young children. Vaccine, 2013, 31, 5706-5712.	3.8	41
46	Genetic stability of genome-scale deoptimized RNA virus vaccine candidates under selective pressure. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E386-E395.	7.1	41
47	Live-attenuated Vaccines Prevent Respiratory Syncytial Virusâ€“associated Illness in Young Children. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 594-603.	5.6	37
48	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. Journal of General Virology, 2014, 95, 1244-1254.	2.9	37
49	Frequent Frameshift and Point Mutations in the SH Gene of Human Metapneumovirus Passaged In Vitro. Journal of Virology, 2007, 81, 6057-6067.	3.4	34
50	Effects of Human Respiratory Syncytial Virus, Metapneumovirus, Parainfluenza Virus 3 and Influenza Virus on CD4+ T Cell Activation by Dendritic Cells. PLoS ONE, 2010, 5, e15017.	2.5	34
51	Safety and Immunogenicity of the Respiratory Syncytial Virus Vaccine RSVÎ”NS2Î”1313/I1314L in RSV-Seronegative Children. Journal of Infectious Diseases, 2020, 222, 82-91.	4.0	33
52	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. Journal of Virology, 2002, 76, 12355-12359.	3.4	31
53	Evaluation of a Live Attenuated Human Metapneumovirus Vaccine in Adults and Children. Journal of the Pediatric Infectious Diseases Society, 2018, 7, 86-89.	1.3	31
54	Live-Attenuated Respiratory Syncytial Virus Vaccine With M2-2 Deletion and With Small Hydrophobic Noncoding Region Is Highly Immunogenic in Children. Journal of Infectious Diseases, 2020, 221, 2050-2059.	4.0	31

#	Article	IF	Citations
55	Experimental Infection of Adults With Recombinant Wild-Type Human Metapneumovirus. Journal of Infectious Diseases, 2013, 208, 1669-1678.	4.0	29
56	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. PLoS Pathogens, 2019, 15, e1007963.	4.7	29
57	Mapping and Characterization of the Primary and Anamnestic H-2 ^d -Restricted Cytotoxic T-Lymphocyte Response in Mice against Human Metapneumovirus. Journal of Virology, 2007, 81, 11461-11467.	3.4	28
58	A Comprehensive Proteomic View of Responses of A549 Type II Alveolar Epithelial Cells to Human Respiratory Syncytial Virus Infection. Molecular and Cellular Proteomics, 2014, 13, 3250-3269.	3.8	28
59	Attenuation of Human Respiratory Viruses by Synonymous Genome Recoding. Frontiers in Immunology, 2019, 10, 1250.	4.8	28
60	Live Respiratory Syncytial Virus Attenuated by M2-2 Deletion and Stabilized Temperature Sensitivity Mutation 1030s Is a Promising Vaccine Candidate in Children. Journal of Infectious Diseases, 2020, 221, 534-543.	4.0	28
61	Codon stabilization analysis of the â€œ248â€•temperature sensitive mutation for increased phenotypic stability of respiratory syncytial virus vaccine candidates. Vaccine, 2009, 27, 5667-5676.	3.8	27
62	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. Journal of Virology, 2014, 88, 4237-4250.	3.4	27
63	Recovery of Avian Metapneumovirus Subgroup C from cDNA: Cross-Recognition of Avian and Human Metapneumovirus Support Proteins. Journal of Virology, 2006, 80, 5790-5797.	3.4	26
64	Live vaccines for human metapneumovirus designed by reverse genetics. Expert Review of Vaccines, 2006, 5, 695-706.	4.4	26
65	Potential Electrostatic Interactions in Multiple Regions Affect Human Metapneumovirus F-Mediated Membrane Fusion. Journal of Virology, 2012, 86, 9843-9853.	3.4	26
66	Respiratory syncytial virus infection induces a subset of types I and III interferons in human dendritic cells. Virology, 2017, 504, 63-72.	2.4	24
67	Deletion of Nonstructural Proteins NS1 and NS2 from Pneumonia Virus of Mice Attenuates Viral Replication and Reduces Pulmonary Cytokine Expression and Disease. Journal of Virology, 2009, 83, 1969-1980.	3.4	22
68	Both Nonstructural Proteins NS1 and NS2 of Pneumonia Virus of Mice are Inhibitors of the Interferon Type I and Type III Responses In Vivo. Journal of Virology, 2011, 85, 4071-4084.	3.4	22
69	Human Metapneumovirus SH and G Glycoproteins Inhibit Macropinocytosis-Mediated Entry into Human Dendritic Cells and Reduce CD4+ T Cell Activation. Journal of Virology, 2014, 88, 6453-6469.	3.4	21
70	Evaluation of a Live-Attenuated Human Parainfluenza Type 1 Vaccine in Adults and Children. Journal of the Pediatric Infectious Diseases Society, 2015, 4, e143-e146.	1.3	21
71	Identification of a Novel Virulence Factor in Recombinant Pneumonia Virus of Mice. Journal of Virology, 2007, 81, 9490-9501.	3.4	20
72	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. Journal of Virology, 2019, 93, .	3.4	20

#	Article	IF	Citations
73	Proposal for Human Respiratory Syncytial Virus Nomenclature below the Species Level. Emerging Infectious Diseases, 2021, 27, 1-9.	4.3	20
74	Interprotomer disulfide-stabilized variants of the human metapneumovirus fusion glycoprotein induce high titer-neutralizing responses. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
75	Chimeric Bovine Respiratory Syncytial Virus with Attachment and Fusion Glycoproteins Replaced by Bovine Parainfluenza Virus Type 3 Hemagglutinin-Neuraminidase and Fusion Proteins. Journal of Virology, 2001, 75, 9367-9377.	3.4	17
76	Live-Attenuated Respiratory Syncytial Virus Vaccine With Deletion of RNA Synthesis Regulatory Protein M2-2 and Cold Passage Mutations Is Overattenuated. Open Forum Infectious Diseases, 2019, 6, ofz212.	0.9	17
77	Type I IFN ineffectively activates neonatal dendritic cells limiting respiratory antiviral T-cell responses. Mucosal Immunology, 2020, 13, 371-380.	6.0	15
78	Multicolor Stimulated Emission Depletion (STED) Microscopy to Generate High-resolution Images of Respiratory Syncytial Virus Particles and Infected Cells. Bio-protocol, 2017, 7, .	0.4	15
79	A novel host factor for human respiratory syncytial virus. Communicative and Integrative Biology, 2017, 10, e1319025.	1.4	14
80	Attenuated Human Parainfluenza Virus Type 1 Expressing Ebola Virus Glycoprotein GP Administered Intranasally Is Immunogenic in African Green Monkeys. Journal of Virology, 2017, 91, .	3.4	13
81	Optimization of the Codon Pair Usage of Human Respiratory Syncytial Virus Paradoxically Resulted in Reduced Viral Replication In Vivo and Reduced Immunogenicity. Journal of Virology, 2020, 94, .	3.4	13
82	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. Journal of Virology, 2020, 95, .	3.4	12
83	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. Journal of General Virology, 2004, 85, 1815-1824.	2.9	12
84	Evaluation of Pneumonia Virus of Mice as a Possible Human Pathogen. Journal of Virology, 2012, 86, 5829-5843.	3.4	10
85	Attenuation of Live Respiratory Syncytial Virus Vaccines Is Associated With Reductions in Levels of Nasal Cytokines. Journal of Infectious Diseases, 2013, 207, 1773-1779.	4.0	10
86	Evaluation of the Replication, Pathogenicity, and Immunogenicity of Avian Paramyxovirus (APMV) Serotypes 2, 3, 4, 5, 7, and 9 in Rhesus Macaques. PLoS ONE, 2013, 8, e75456.	2.5	10
87	Murine Pneumonia Virus Expressing the Fusion Glycoprotein of Human Respiratory Syncytial Virus from an Added Gene Is Highly Attenuated and Immunogenic in Rhesus Macaques. Journal of Virology, 2018, 92, .	3.4	9
88	Elicitation of pneumovirus-specific B cell responses by a prefusion-stabilized respiratory syncytial virus F subunit vaccine. Science Translational Medicine, 2022, 14, .	12.4	7
89	Intranasal immunization with avian paramyxovirus type 3 expressing SARS-CoV-2 spike protein protects hamsters against SARS-CoV-2. Npj Vaccines, 2022, 7, .	6.0	7
90	Rescue of codon-pair deoptimized respiratory syncytial virus by the emergence of genomes with very large internal deletions that complemented replication. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6

#	Article	IF	Citations
91	Lack of Activation Marker Induction and Chemokine Receptor Switch in Human Neonatal Myeloid Dendritic Cells in Response to Human Respiratory Syncytial Virus. Journal of Virology, 2019, 93, .	3.4	5
92	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. PLoS Pathogens, 2021, 17, e1010191.	4.7	5
93	Respiratory Syncytial Virus-Induced Host IFN Signaling Differs Between A549 and BEAS-2B Epithelial Cell Lines. Journal of Allergy and Clinical Immunology, 2015, 135, AB9.	2.9	2