David J Topham

List of Publications by Year
in descending order

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192 papers	12,338 citations	30070 54 h-index	30087 103 g-index
211 all docs	211 docs citations	211 times ranked	14445 citing authors

#	Article	IF	Citations
1	Jak2 Is Essential for Signaling through a Variety of Cytokine Receptors. Cell, 1998, 93, 385-395.	28.9	987
2	Stat5 Is Required for IL-2-Induced Cell Cycle Progression of Peripheral T Cells. Immunity, 1999, 10, 249-259.	14.3	530
3	SOCS1 Deficiency Causes a Lymphocyte-Dependent Perinatal Lethality. Cell, 1999, 98, 609-616.	28.9	485
4	Effector CD4+ and CD8+ T-cell mechanisms in the control of respiratory virus infections. Immunological Reviews, 1997, 159, 105-117.	6.0	407
5	CD8+ T cells clear influenza virus by perforin or Fas-dependent processes. Journal of Immunology, 1997, 159, 5197-200.	0.8	376
6	SOCS3 Is Essential in the Regulation of Fetal Liver Erythropoiesis. Cell, 1999, 98, 617-627.	28.9	339
7	Neutrophil trails guide influenza-specific CD8 ⁺ T cells in the airways. Science, 2015, 349, aaa4352.	12.6	328
8	Influenza Infection in Humans Induces Broadly Cross-Reactive and Protective Neuraminidase-Reactive Antibodies. Cell, 2018, 173, 417-429.e10.	28.9	295
9	The Collagen Binding Î±1Î²1 Integrin VLA-1 Regulates CD8 T Cell-Mediated Immune Protection against Heterologous Influenza Infection. Immunity, 2004, 20, 167-179.	14.3	294
10	Both Neutralizing and Non-Neutralizing Human H7N9 Influenza Vaccine-Induced Monoclonal Antibodies Confer Protection. Cell Host and Microbe, 2016, 19, 800-813.	11.0	238
11	Characterization of SARS-CoV-2 RNA, Antibodies, and Neutralizing Capacity in Milk Produced by Women with COVID-19. MBio, 2021, 12, .	4.1	208
12	S Protein-Reactive IgG and Memory B Cell Production after Human SARS-CoV-2 Infection Includes Broad Reactivity to the S2 Subunit. MBio, 2020, 11, .	4.1	188
13	Quantifying the Early Immune Response and Adaptive Immune Response Kinetics in Mice Infected with Influenza A Virus. Journal of Virology, 2010, 84, 6687-6698.	3.4	185
14	Transduction of Murine Bone Marrow Cells With an MDR1 Vector Enables Ex Vivo Stem Cell Expansion, but These Expanded Grafts Cause a Myeloproliferative Syndrome in Transplanted Mice. Blood, 1998, 92, 2269-2279.	1.4	184
15	Platelets Present Antigen in the Context of MHC Class I. Journal of Immunology, 2012, 189, 916-923.	0.8	184
16	Simulation and Prediction of the Adaptive Immune Response to Influenza A Virus Infection. Journal of Virology, 2009, 83, 7151-7165.	3.4	163
17	Inflammation-induced interstitial migration of effector CD4+ T cells is dependent on integrin Î±V. Nature Immunology, 2013, 14, 949-958.	14.5	162
18	Stat5 Activation Is Uniquely Associated with Cytokine Signaling in Peripheral T Cells. Immunity, 1999, 11, 225-230.	14.3	161

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19	Establishment and Persistence of Virus-Specific CD4+ and CD8+ T Cell Memory. Immunological Reviews, 1996, 150, 23-44.	6.0	152
20	The use of self-adjuvanting nanofiber vaccines to elicit high-affinity B cell responses to peptide antigens without inflammation. Biomaterials, 2013, 34, 8776-8785.	11.4	150
21	The Role of Antigen in the Localization of Naive, Acutely Activated, and Memory CD8+ T Cells to the Lung During Influenza Pneumonia. Journal of Immunology, 2001, 167, 6983-6990.	0.8	149
22	Clearance of an Influenza A Virus by CD4 + T Cells Is Inefficient in the Absence of B Cells. Journal of Virology, 1998, 72, 882-885.	3.4	149
23	Tissue-Resident Memory CD8+ T Cells: From Phenotype to Function. Frontiers in Immunology, 2018, 9, 515.	4.8	145
24	Thymic lymphoproliferative disease after successful correction of CD40 ligand deficiency by gene transfer in mice. Nature Medicine, 1998, 4, 1253-1260.	30.7	143
25	Kupffer Cell-Dependent Hepatitis Occurs during Influenza Infection. American Journal of Pathology, 2006, 168, 1169-1178.	3.8	139
26	Influenza A Virus Attenuation by Codon Deoptimization of the NS Gene for Vaccine Development. Journal of Virology, 2014, 88, 10525-10540.	3.4	133
27	Leukocyte trafficking to the lungs and beyond: lessons from influenza for COVID-19. Nature Reviews Immunology, 2021, 21, 49-64.	22.7	126
28	Influenza Virus Vaccination Elicits Poorly Adapted B Cell Responses in Elderly Individuals. Cell Host and Microbe, 2019, 25, 357-366.e6.	11.0	124
29	Memory CD8+ T Cells Require CD28 Costimulation. Journal of Immunology, 2007, 179, 6494-6503.	0.8	118
30	Quantitative analysis of the influenza virus-specific CD4+ T cell memory in the absence of B cells and Ig. Journal of Immunology, 1996, 157, 2947-52.	0.8	118
31	Analysis of the Virus-Specific and Nonspecific B Cell Response to a Persistent B-Lymphotropic Gammaherpesvirus. Journal of Immunology, 2000, 164, 1820-1828.	0.8	109
32	Recombinant human activated protein C inhibits integrin-mediated neutrophil migration. Blood, 2009, 113, 4078-4085.	1.4	108
33	The Specialized Proresolving Mediator 17-HDHA Enhances the Antibody-Mediated Immune Response against Influenza Virus: A New Class of Adjuvant?. Journal of Immunology, 2014, 193, 6031-6040.	0.8	107
34	Ibuprofen and other widely used non-steroidal anti-inflammatory drugs inhibit antibody production in human cells. Cellular Immunology, 2009, 258, 18-28.	3.0	105
35	An Early CD4+ T Cellâ€“dependent Immunoglobulin A Response to Influenza Infection in the Absence of Key Cognate Tâ€“B Interactions. Journal of Experimental Medicine, 2003, 198, 1011-1021.	8.5	104
36	T Cell-Mediated Protection against Lethal 2009 Pandemic H1N1 Influenza Virus Infection in a Mouse Model. Journal of Virology, 2011, 85, 448-455.	3.4	98

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37	Interleukin-22 (IL-22) Production by Pulmonary Natural Killer Cells and the Potential Role of IL-22 during Primary Influenza Virus Infection. Journal of Virology, 2010, 84, 7750-7759.	3.4	90
38	Interferon-Induced Protein 44 Interacts with Cellular FK506-Binding Protein 5, Negatively Regulates Host Antiviral Responses, and Supports Virus Replication. MBio, 2019, 10, .	4.1	88
39	Immune CD4+ T cells promote the clearance of influenza virus from major histocompatibility complex class II -/- respiratory epithelium. Journal of Virology, 1996, 70, 1288-1291.	3.4	85
40	TGF-beta 2 decreases migration of lymphocytes in vitro and homing of cells into the central nervous system in vivo. Journal of Immunology, 1995, 155, 325-32.	0.8	85
41	Endogenous 4-1BB Ligand Plays a Critical Role in Protection from Influenza-Induced Disease. Journal of Immunology, 2009, 182, 934-947.	0.8	84
42	Influenza A and B Virus Intertypic Reassortment through Compatible Viral Packaging Signals. Journal of Virology, 2014, 88, 10778-10791.	3.4	83
43	T_{RM}integrins CD103 and CD49a differentially support adherence and motility after resolution of influenza virus infection. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12306-12314.	7.1	78
44	Collagen Distribution and Expression of Collagen-Binding Î±1Î²1 (VLA-1) and Î±2Î²1 (VLA-2) Integrins on CD4 and CD8 T Cells during Influenza Infection. Journal of Immunology, 2007, 178, 4506-4516.	0.8	76
45	Association of Human Milk Antibody Induction, Persistence, and Neutralizing Capacity With SARS-CoV-2 Infection vs mRNA Vaccination. JAMA Pediatrics, 2022, 176, 159.	6.2	74
46	Antigen-specific and non-specific CD4+ T cell recruitment and proliferation during influenza infection. Virology, 2005, 340, 296-306.	2.4	73
47	The TLR9 Ligand CpG Promotes the Acquisition of Plasmodium falciparum-Specific Memory B Cells in Malaria-Naive Individuals. Journal of Immunology, 2009, 182, 3318-3326.	0.8	73
48	Cutting Edge: CD4 T Cells Generated from Encounter with Seasonal Influenza Viruses and Vaccines Have Broad Protein Specificity and Can Directly Recognize Naturally Generated Epitopes Derived from the Live Pandemic H1N1 Virus. Journal of Immunology, 2010, 185, 4998-5002.	0.8	73
49	Neonatal gut and respiratory microbiota: coordinated development through time and space. Microbiome, 2018, 6, 193.	11.1	68
50	Modulation of Innate Immune Responses by the Influenza A NS1 and PA-X Proteins. Viruses, 2018, 10, 708.	3.3	66
51	Novel Functions of IFI44L as a Feedback Regulator of Host Antiviral Responses. Journal of Virology, 2019, 93, .	3.4	66
52	Live attenuated H7N7 influenza vaccine primes for a vigorous antibody response to inactivated H7N7 influenza vaccine. Vaccine, 2014, 32, 6798-6804.	3.8	65
53	Bone marrow can function as a lymphoid organ during a primary immune response under conditions of disrupted lymphocyte trafficking. Journal of Immunology, 1997, 158, 3716-20.	0.8	63
54	The Î±1Î²1 Integrin and TNF Receptor II Protect Airway CD8+ Effector T Cells from Apoptosis during Influenza Infection. Journal of Immunology, 2007, 179, 5054-5063.	0.8	60

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55	Protection against Lethal Influenza with a Viral Mimic. Journal of Virology, 2013, 87, 8591-8605.	3.4	60
56	Direct Ex Vivo Analyses of HLA-DR1 Transgenic Mice Reveal an Exceptionally Broad Pattern of Immunodominance in the Primary HLA-DR1-Restricted CD4 T-Cell Response to Influenza Virus Hemagglutinin. Journal of Virology, 2007, 81, 7608-7619.	3.4	59
57	B Cell Response and Hemagglutinin Stalk-Reactive Antibody Production in Different Age Cohorts following 2009 H1N1 Influenza Virus Vaccination. Vaccine Journal, 2013, 20, 867-876.	3.1	59
58	Protein Vaccines Induce Uncommitted IL-2-Secreting Human and Mouse CD4 T Cells, Whereas Infections Induce More IFN-Î³-Secreting Cells. Journal of Immunology, 2006, 176, 1465-1473.	0.8	58
59	Frequencies of human influenza-specific antibody secreting cells or plasmablasts post vaccination from fresh and frozen peripheral blood mononuclear cells. Journal of Immunological Methods, 2009, 340, 42-47.	1.4	55
60	Transcriptomic Biomarkers to Discriminate Bacterial from Nonbacterial Infection in Adults Hospitalized with Respiratory Illness. Scientific Reports, 2017, 7, 6548.	3.3	54
61	Natural and directed antigenic drift of the H1 influenza virus hemagglutinin stalk domain. Scientific Reports, 2017, 7, 14614.	3.3	54
62	PA28 and the proteasome immunosubunits play a central and independent role in the production of MHC class Iâ€binding peptides in vivo. European Journal of Immunology, 2011, 41, 926-935.	2.9	52
63	Functional Evolution of Influenza Virus NS1 Protein in Currently Circulating Human 2009 Pandemic H1N1 Viruses. Journal of Virology, 2017, 91, .	3.4	51
64	Programming of Distinct Chemokine-Dependent and -Independent Search Strategies for Th1 and Th2 Cells Optimizes Function at Inflamed Sites. Immunity, 2019, 51, 298-309.e6.	14.3	50
65	Broad Hemagglutinin-Specific Memory B Cell Expansion by Seasonal Influenza Virus Infection Reflects Early-Life Imprinting and Adaptation to the Infecting Virus. Journal of Virology, 2019, 93, .	3.4	50
66	Interplay of PA-X and NS1 Proteins in Replication and Pathogenesis of a Temperature-Sensitive 2009 Pandemic H1N1 Influenza A Virus. Journal of Virology, 2017, 91, .	3.4	48
67	Identification of a Unique Population of Tissue-Memory CD4+ T Cells in the Airways after Influenza Infection That Is Dependent on the Integrin VLA-1. Journal of Immunology, 2010, 184, 3841-3849.	0.8	47
68	Antigenicity of the 2015â€“2016 seasonal H1N1 human influenza virus HA and NA proteins. PLoS ONE, 2017, 12, e0188267.	2.5	46
69	Live Imaging of Influenza Infection of the Trachea Reveals Dynamic Regulation of CD8+ T Cell Motility by Antigen. PLoS Pathogens, 2016, 12, e1005881.	4.7	46
70	Rearrangement of Influenza Virus Spliced Segments for the Development of Live-Attenuated Vaccines. Journal of Virology, 2016, 90, 6291-6302.	3.4	44
71	A novel intracellular pool of LFA-1 is critical for asymmetric CD8+ T cell activation and differentiation. Journal of Cell Biology, 2017, 216, 3817-3829.	5.2	44
72	High-Affinity H7 Head and Stalk Domainâ€“Specific Antibody Responses to an Inactivated Influenza H7N7 Vaccine After Priming With Live Attenuated Influenza Vaccine. Journal of Infectious Diseases, 2015, 212, 1270-1278.	4.0	43

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73	NS1 Protein Amino Acid Changes D189N and V194I Affect Interferon Responses, Thermosensitivity, and Virulence of Circulating H3N2 Human Influenza A Viruses. Journal of Virology, 2017, 91, .	3.4	43
74	Middle-aged individuals may be in a perpetual state of H3N2 influenza virus susceptibility. Nature Communications, 2020, 11, 4566.	12.8	43
75	Perforin and Fas in murine gammaherpesvirus-specific CD8+ T cell control and morbidity. Journal of General Virology, 2001, 82, 1971-1981.	2.9	43
76	Functional Evolution of the 2009 Pandemic H1N1 Influenza Virus NS1 and PA in Humans. Journal of Virology, 2018, 92, .	3.4	42
77	Modeling of Influenza-Specific CD8+ T Cells during the Primary Response Indicates that the Spleen Is a Major Source of Effectors. Journal of Immunology, 2011, 187, 4474-4482.	0.8	41
78	Robust mucosal-homing antibody-secreting B cell responses induced by intramuscular administration of adjuvanted bivalent human norovirus-like particle vaccine. Vaccine, 2015, 33, 568-576.	3.8	41
79	Longitudinal analysis of the acute Sendai virus-specific CD4+ T cell response and memory. Journal of Immunology, 1998, 161, 4530-5.	0.8	41
80	Generation of T Cell Help through a MHC Class I-Restricted TCR. Journal of Immunology, 2006, 177, 976-982.	0.8	39
81	The Bone Marrow Functions as the Central Site of Proliferation for Long-Lived NK Cells. Journal of Immunology, 2012, 189, 2333-2337.	0.8	39
82	Antigenic cartography of H1N1 influenza viruses using sequence-based antigenic distance calculation. BMC Bioinformatics, 2018, 19, 51.	2.6	39
83	Prevalence and Activation Phenotype of Sendai Virus-Specific CD4+ T Cells. Virology, 1995, 210, 179-185.	2.4	36
84	In situ neutrophil efferocytosis shapes T cell immunity to influenza infection. Nature Immunology, 2020, 21, 1046-1057.	14.5	36
85	Early Intrahepatic Accumulation of CD8+ T Cells Provides a Source of Effectors for Nonhepatic Immune Responses. Journal of Immunology, 2007, 179, 201-210.	0.8	34
86	CD8+ T cell immunity to 2009 pandemic and seasonal H1N1 influenza viruses. Vaccine, 2011, 29, 2159-2168.	3.8	34
87	NS1 Protein Mutation I64T Affects Interferon Responses and Virulence of Circulating H3N2 Human Influenza A Viruses. Journal of Virology, 2016, 90, 9693-9711.	3.4	34
88	Virus-Specific Antibody, Viral Load, and Disease Severity in Respiratory Syncytial Virus Infection. Journal of Infectious Diseases, 2018, 218, 208-217.	4.0	34
89	Haplotype-specific suppression of experimental allergic encephalomyelitis with anti-IA antibodies. Journal of Immunology, 1987, 139, 1485-9.	0.8	33
90	Effects of Retroviral-Mediated MDR1 Expression on Hematopoietic Stem Cell Self-Renewal and Differentiation in Culturea. Annals of the New York Academy of Sciences, 1999, 872, 125-141.	3.8	32

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91	Targeted Disruption of the CP2 Gene, a Member of the NTF Family of Transcription Factors. Journal of Biological Chemistry, 2001, 276, 7836-7842.	3.4	32
92	Development of a Global Respiratory Severity Score (GRSS) for Respiratory Syncytial Virus Infection in Infants. Journal of Infectious Diseases, 2017, 215, jiw624.	4.0	32
93	Microbiome-Transcriptome Interactions Related to Severity of Respiratory Syncytial Virus Infection. Scientific Reports, 2019, 9, 13824.	3.3	30
94	Array-based analysis of SARS-CoV-2, other coronaviruses, and influenza antibodies in convalescent COVID-19 patients. Biosensors and Bioelectronics, 2020, 169, 112643.	10.1	30
95	3D Printed Microfluidic Devices for Solid-Phase Extraction and On-Chip Fluorescent Labeling of Preterm Birth Risk Biomarkers. Analytical Chemistry, 2020, 92, 12322-12329.	6.5	30
96	Optical Detection of Single Nanoparticles and Viruses. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 1292-1300.	2.9	29
97	Assessing microstructures of the cornea with Gabor-domain optical coherence microscopy: pathway for corneal physiology and diseases. Optics Letters, 2015, 40, 1113.	3.3	29
98	Directed selection of influenza virus produces antigenic variants that match circulating human virus isolates and escape from vaccineâ€mediated immune protection. Immunology, 2016, 148, 160-173.	4.4	29
99	Characterizing Emerging Canine H3 Influenza Viruses. PLoS Pathogens, 2020, 16, e1008409.	4.7	29
100	Short term results of vaccination with adjuvanted recombinant varicella zoster glycoprotein E during initial BTK inhibitor therapy for CLL or lymphoplasmacytic lymphoma. Leukemia, 2021, 35, 1788-1791.	7.2	29
101	Recombinant HA-based vaccine outperforms split and subunit vaccines in elicitation of influenza-specific CD4 T cells and CD4 T cell-dependent antibody responses in humans. Npj Vaccines, 2020, 5, 77.	6.0	28
102	Androgen receptor signaling in the lungs mitigates inflammation and improves the outcome of influenza in mice. PLoS Pathogens, 2020, 16, e1008506.	4.7	28
103	Induction of CD8 T Cell Heterologous Protection by a Single Dose of Single-Cycle Infectious Influenza Virus. Journal of Virology, 2014, 88, 12006-12016.	3.4	27
104	A live-attenuated influenza vaccine for H3N2 canine influenza virus. Virology, 2017, 504, 96-106.	2.4	27
105	FUNNEL-GSEA: FUNctioNal ELastic-net regression in time-course gene set enrichment analysis. Bioinformatics, 2017, 33, 1944-1952.	4.1	27
106	Comparison of Human H3N2 Antibody Responses Elicited by Egg-Based, Cell-Based, and Recombinant Proteinâ€“Based Influenza Vaccines During the 2017â€“2018 Season. Clinical Infectious Diseases, 2020, 71, 1447-1453.	5.8	27
107	Consequences of viral infections for lymphocyte compartmentalization and homeostasis. Seminars in Immunology, 1997, 9, 365-373.	5.6	25
108	The K186E Amino Acid Substitution in the Canine Influenza Virus H3N8 NS1 Protein Restores Its Ability To Inhibit Host Gene Expression. Journal of Virology, 2017, 91, .	3.4	25

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109	Squalene-Based Influenza Vaccine Adjuvants and Their Impact on the Hemagglutinin-Specific B Cell Response. Pathogens, 2021, 10, 355.	2.8	25
110	Treatment of encephalomyocarditis virus-induced central nervous system demyelination with monoclonal anti-T-cell antibodies. Journal of Virology, 1989, 63, 4242-4248.	3.4	25
111	Gain-of-Function Experiments on H7N9. Science, 2013, 341, 612-613.	12.6	24
112	Developmentally determined reduction in CD31 during gestation is associated with CD8 + T cell effector differentiation in preterm infants. Clinical Immunology, 2015, 161, 65-74.	3.2	24
113	Heterovariant Cross-Reactive B-Cell Responses Induced by the 2009 Pandemic Influenza Virus A Subtype H1N1 Vaccine. Journal of Infectious Diseases, 2013, 207, 288-296.	4.0	23
114	Competitive detection of influenza neutralizing antibodies using a novel bivalent fluorescence-based microneutralization assay (BiFMA). Vaccine, 2015, 33, 3562-3570.	3.8	23
115	Temperature-Sensitive Live-Attenuated Canine Influenza Virus H3N8 Vaccine. Journal of Virology, 2017, 91, .	3.4	23
116	Broad cross-reactive IgG responses elicited by adjuvanted vaccination with recombinant influenza hemagglutinin (rHA) in ferrets and mice. PLoS ONE, 2018, 13, e0193680.	2.5	23
117	Label-free, arrayed sensing of immune response to influenza antigens. Talanta, 2011, 83, 1000-1005.	5.5	22
118	Diversifying Selection Analysis Predicts Antigenic Evolution of 2009 Pandemic H1N1 Influenza A Virus in Humans. Journal of Virology, 2015, 89, 5427-5440.	3.4	21
119	Effect of prior vaccination on carriage rates of Streptococcus pneumoniae in older adults: A longitudinal surveillance study. Vaccine, 2018, 36, 4304-4310.	3.8	21
120	Comparative Study of the Temperature Sensitive, Cold Adapted and Attenuated Mutations Present in the Master Donor Viruses of the Two Commercial Human Live Attenuated Influenza Vaccines. Viruses, 2019, 11, 928.	3.3	21
121	The Effects of Acute Neutrophil Depletion on Resolution of Acute Influenza Infection, Establishment of Tissue Resident Memory (TRM), and Heterosubtypic Immunity. PLoS ONE, 2016, 11, e0164247.	2.5	21
122	Role of Memory B Cells in Hemagglutinin-Specific Antibody Production Following Human Influenza A Virus Infection. Pathogens, 2019, 8, 167.	2.8	20
123	Activation of the aryl hydrocarbon receptor during development enhances the pulmonary CD4⁺ T-cell response to viral infection. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L305-L313.	2.9	19
124	Crowd on a Chip: Label-Free Human Monoclonal Antibody Arrays for Serotyping Influenza. Analytical Chemistry, 2018, 90, 9583-9590.	6.5	19
125	A synthetic peptide from the third hypervariable region of major histocompatibility complex class II beta chain as a vaccine for treatment of experimental autoimmune encephalomyelitis.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 8005-8009.	7.1	18
126	B cell responses to H5 influenza HA in human subjects vaccinated with a drifted variant. Vaccine, 2010, 28, 907-915.	3.8	18

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127	Monoclonal Antibody Responses after Recombinant Hemagglutinin Vaccine versus Subunit Inactivated Influenza Virus Vaccine: a Comparative Study. Journal of Virology, 2019, 93, .	3.4	18
128	A Live Attenuated Influenza Vaccine Elicits Enhanced Heterologous Protection When the Internal Genes of the Vaccine Are Matched to Those of the Challenge Virus. Journal of Virology, 2020, 94, .	3.4	18
129	Rapid Reactivation of Extralymphoid CD4 T Cells during Secondary Infection. PLoS ONE, 2011, 6, e20493.	2.5	17
130	Antigenic and immunogenic properties of recombinant hemagglutinin proteins from H1N1 A/Brisbane/59/07 and B/Florida/04/06 when produced in various protein expression systems. Vaccine, 2012, 30, 4606-4616.	3.8	17
131	B-Cell Responses to Intramuscular Administration of a Bivalent Virus-Like Particle Human Norovirus Vaccine. Vaccine Journal, 2017, 24, .	3.1	17
132	Association of Dynamic Changes in the CD4 T-Cell Transcriptome With Disease Severity During Primary Respiratory Syncytial Virus Infection in Young Infants. Journal of Infectious Diseases, 2017, 216, 1027-1037.	4.0	17
133	Airway Gene Expression Correlates of Respiratory Syncytial Virus Disease Severity and Microbiome Composition in Infants. Journal of Infectious Diseases, 2021, 223, 1639-1649.	4.0	17
134	Multiple Distinct Forms of CD8+ T Cell Cross-Reactivity and Specificities Revealed after 2009 H1N1 Influenza A Virus Infection in Mice. PLoS ONE, 2012, 7, e46166.	2.5	16
135	T-Cell Responses in Adults During Natural Respiratory Syncytial Virus Infection. Journal of Infectious Diseases, 2018, 218, 418-428.	4.0	15
136	CD49a Identifies Polyfunctional Memory CD8 T Cell Subsets that Persist in the Lungs After Influenza Infection. Frontiers in Immunology, 2021, 12, 728669.	4.8	15
137	Indirect role of T cells in development of polioencephalitis and encephalomyelitis induced by encephalomyocarditis virus. Journal of Virology, 1991, 65, 3238-3245.	3.4	15
138	Susceptibility to allergic lung disease regulated by recall responses of dual-receptor memory T cellsâˆ—. Journal of Allergy and Clinical Immunology, 2004, 114, 1441-1448.	2.9	14
139	Immune responses to vaccinia and influenza elicited during primary versus recent or distant secondary smallpox vaccination of adults. Vaccine, 2006, 24, 6913-6923.	3.8	13
140	Visualization of integrin Mac-1 in vivo. Journal of Immunological Methods, 2015, 426, 120-127.	1.4	12
141	Stability of T cell phenotype and functional assays following heparinized umbilical cord blood collection. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2012, 81A, 937-949.	1.5	11
142	Host Differences in Influenza-Specific CD4 T Cell and B Cell Responses Are Modulated by Viral Strain and Route of Immunization. PLoS ONE, 2012, 7, e34377.	2.5	11
143	Vaccination with peptides from MHC class II beta chain hypervariable region causes allele-specific suppression of EAE. Journal of Neuroimmunology, 1996, 67, 119-124.	2.3	10
144	Boolean Modeling of Cellular and Molecular Pathways Involved in Influenza Infection. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-11.	1.3	10

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145	Novel Sequence-Based Mapping of Recently Emerging H5NX Influenza Viruses Reveals Pandemic Vaccine Candidates. PLoS ONE, 2016, 11, e0160510.	2.5	10
146	In vivo administration of TNF-Î± prevents EMC-M virus induced viral encephalitis. International Immunology, 1991, 3, 641-645.	4.0	9
147	Vaccination with drifted variants of avian H5 hemagglutinin protein elicits a broadened antibody response that is protective against challenge with homologous or drifted live H5 influenza virus. Vaccine, 2011, 29, 8888-8897.	3.8	9
148	Temporal Dysbiosis of Infant Nasal Microbiota Relative to Respiratory Syncytial Virus Infection. Journal of Infectious Diseases, 2021, 223, 1650-1658.	4.0	9
149	Aims, Study Design, and Enrollment Results From the Assessing Predictors of Infant Respiratory Syncytial Virus Effects and Severity Study. JMIR Research Protocols, 2019, 8, e12907.	1.0	9
150	Mixed Lineage Kinase 3 deficiency delays viral clearance in the lung and is associated with diminished influenza-induced cytopathic effect in infected cells. Virology, 2010, 400, 224-232.	2.4	8
151	CD4 T Cell Epitope Specificity and Cytokine Potential Are Preserved as Cells Transition from the Lung Vasculature to Lung Tissue following Influenza Virus Infection. Journal of Virology, 2018, 92, .	3.4	8
152	Immunity to Influenza Infection in Humans. Cold Spring Harbor Perspectives in Medicine, 2021, 11, a038729.	6.2	8
153	The Negative Effect of Preexisting Immunity on Influenza Vaccine Responses Transcends the Impact of Vaccine Formulation Type and Vaccination History. Journal of Infectious Diseases, 2023, 227, 381-390.	4.0	8
154	Pandemic influenza vaccines: what they have taught us about B cell immunology. Current Opinion in Immunology, 2018, 53, 203-208.	5.5	7
155	Formation and Maintenance of Tissue Resident Memory CD8+ T Cells after Viral Infection. Pathogens, 2019, 8, 196.	2.8	7
156	CD4+ T Cell Effects on CD8+ T Cell Location Defined Using Bioluminescence. PLoS ONE, 2011, 6, e16222.	2.5	5
157	An improved method for estimating antibody titers in microneutralization assay using green fluorescent protein. Journal of Biopharmaceutical Statistics, 2016, 26, 409-420.	0.8	5
158	Directed selection of amino acid changes in the influenza hemagglutinin and neuraminidase affecting protein antigenicity. Vaccine, 2018, 36, 6383-6392.	3.8	5
159	Discordant rearrangement of primary and anamnestic CD8+ T cell responses to influenza A viral epitopes upon exposure to bacterial superantigens: Implications for prophylactic vaccination, heterosubtypic immunity and superinfections. PLoS Pathogens, 2020, 16, e1008393.	4.7	5
160	Gaps in Serologic Immunity against Contemporary Swine-Origin Influenza A Viruses among Healthy Individuals in the United States. Viruses, 2021, 13, 127.	3.3	5
161	Airway gene-expression classifiers for respiratory syncytial virus (RSV) disease severity in infants. BMC Medical Genomics, 2021, 14, 57.	1.5	5
162	Aberrant newborn TÂcell and microbiota developmental trajectories predict respiratory compromise during infancy. IScience, 2022, 25, 104007.	4.1	5

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163	Quantifying Immune Response to Influenza Virus Infection via Multivariate Nonlinear ODE Models with Partially Observed State Variables and Time-Varying Parameters. Statistics in Biosciences, 2015, 7, 147-166.	1.2	4
164	Analysis of Antigenâ€Specific Human Memory B Cell Populations Based on In Vitro Polyclonal Stimulation. Current Protocols in Immunology, 2020, 131, e109.	3.6	4
165	Influenza response planning for the centers of excellence for influenza research and surveillance: Science preparedness for enhancing global health security. Influenza and Other Respiratory Viruses, 2020, 14, 444-451.	3.4	4
166	Formation and Expansion of Memory B Cells against Coronavirus in Acutely Infected COVID-19 Individuals. Pathogens, 2022, 11, 186.	2.8	4
167	Measuring the Severity of Respiratory Illness in the First 2ÂYears of Life in Preterm and Term Infants. Journal of Pediatrics, 2019, 214, 12-19.e3.	1.8	3
168	Highly efficient hypothesis testing methods for regression-type tests with correlated observations and heterogeneous variance structure. BMC Bioinformatics, 2019, 20, 185.	2.6	3
169	Differential Roles of Cytokine Signaling during T-cell Development. Cold Spring Harbor Symposia on Quantitative Biology, 1999, 64, 389-396.	1.1	3
170	MicroRNA-29 specifies age-related differences in the CD8+ TÂcell immune response. Cell Reports, 2021, 37, 109969.	6.4	3
171	A systems genomics approach uncovers molecular associates of RSV severity. PLoS Computational Biology, 2021, 17, e1009617.	3.2	3
172	Contrasting Urban and Rural Lifestyles of Memory CD8+ T Cells. Immunity, 2003, 18, 584-586.	14.3	2
173	T cell and chemokine receptors differentially control CD8 T cell motility behavior in the infected airways immediately before and after virus clearance in a primary infection. PLoS ONE, 2020, 15, e0227157.	2.5	2
174	Implementing sequence-based antigenic distance calculation into immunological shape space model. BMC Bioinformatics, 2020, 21, 256.	2.6	2
175	Eight practices for data management to enable team data science. Journal of Clinical and Translational Science, 2021, 5, e14.	0.6	2
176	Modeling the Dynamics and Migratory Pathways of Virus-Specific Antibody-Secreting Cell Populations in Primary Influenza Infection. PLoS ONE, 2014, 9, e104781.	2.5	2
177	Lymphoid and extralymphoid CD4 T cells that orchestrate the antiviral immune response. Expert Review of Clinical Immunology, 2006, 2, 267-276.	3.0	1
178	Statistical Estimation & Inference of Cell Counts from ELISPOT Limiting Dilution Assays. Journal of Biopharmaceutical Statistics, 2013, 23, 921-936.	0.8	1
179	Allele specific suppression of EAE with monoclonal anti I-A antibodies. Journal of Neuroimmunology, 1987, 16, 171.	2.3	0
180	Maximum Likelihood Estimation of Titer via a Power Family of Four-Parameter Logistic Model. Journal of Biopharmaceutical Statistics, 2018, 28, 492-500.	0.8	0

#	Article	IF	Citations
181	Unbiased analysis of peripheral blood mononuclear cells reveals CD4 T cell response to RSV matrix protein. Vaccine: X, 2020, 5, 100065.	2.1	0
182	Serendipity: Reflections on Being Mentored by Dr. Peter Doherty. Viral Immunology, 2020, 33, 137-142.	1.3	0
183	Title is missing!. , 2020, 16, e1008393.		0
184	Title is missing!. , 2020, 16, e1008393.		0
185	Title is missing!. , 2020, 16, e1008393.		0
186	Title is missing!. , 2020, 16, e1008393.		0
187	Characterizing Emerging Canine H3 Influenza Viruses. , 2020, 16, e1008409.		0
188	Characterizing Emerging Canine H3 Influenza Viruses. , 2020, 16, e1008409.		0
189	Characterizing Emerging Canine H3 Influenza Viruses. , 2020, 16, e1008409.		0
190	Characterizing Emerging Canine H3 Influenza Viruses. , 2020, 16, e1008409.		0
191	Characterizing Emerging Canine H3 Influenza Viruses. , 2020, 16, e1008409.		0
192	Characterizing Emerging Canine H3 Influenza Viruses. , 2020, 16, e1008409.		0