Akiko Iwasaki

List of Publications by Year
in descending order

273	54,204	2538 96	1527 218
papers	citations	h-index	g-index

341	341	341	70514
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toll-like receptor control of the adaptive immune responses. Nature Immunology, 2004, 5, 987-995.	7.0	3,662
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
3	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	4.3	2,064
4	Regulation of Adaptive Immunity by the Innate Immune System. Science, 2010, 327, 291-295.	6.0	1,762
5	Longitudinal analyses reveal immunological misfiring in severe COVID-19. Nature, 2020, 584, 463-469.	13.7	1,710
6	Recognition of single-stranded RNA viruses by Toll-like receptor 7. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5598-5603.	3.3	1,650
7	Control of adaptive immunity by the innate immune system. Nature Immunology, 2015, 16, 343-353.	7.0	1,481
8	Mitochondrial DNA stress primes the antiviral innate immune response. Nature, 2015, 520, 553-557.	13.7	1,255
9	Microbiota regulates immune defense against respiratory tract influenza A virus infection. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5354-5359.	3.3	1,224
10	Toll-like Receptor 9â€“mediated Recognition of Herpes Simplex Virus-2 by Plasmacytoid Dendritic Cells. Journal of Experimental Medicine, 2003, 198, 513-520.	4.2	1,064
11	Sex differences in immune responses that underlie COVID-19 disease outcomes. Nature, 2020, 588, 315-320.	13.7	1,035
12	Innate immunity to influenza virus infection. Nature Reviews Immunology, 2014, 14, 315-328.	10.6	839
13	Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2. New England Journal of Medicine, 2020, 383, 1283-1286.	13.9	823
14	Autophagy-Dependent Viral Recognition by Plasmacytoid Dendritic Cells. Science, 2007, 315, 1398-1401.	6.0	802
15	Type I and Type III Interferons â€“ Induction, Signaling, Evasion, and Application to Combat COVID-19. Cell Host and Microbe, 2020, 27, 870-878.	5.1	723
16	Seasonality of Respiratory Viral Infections. Annual Review of Virology, 2020, 7, 83-101.	3.0	686
17	Neuroinvasion of SARS-CoV-2 in human and mouse brain. Journal of Experimental Medicine, 2021, 218, .	4.2	677
18	Analytical sensitivity and efficiency comparisons of SARS-CoV-2 RTâ€“qPCR primerâ€“probe sets. Nature Microbiology, 2020, 5, 1299-1305.	5.9	661

#	Article	IF	Citations
19	Apoptotic Caspases Prevent the Induction of Type I Interferons by Mitochondrial DNA. Cell, 2014, 159, 1563-1577.	13.5	625
20	Diverse functional autoantibodies in patients with COVID-19. Nature, 2021, 595, 283-288.	13.7	619
21	Inflammasome recognition of influenza virus is essential for adaptive immune responses. Journal of Experimental Medicine, 2009, 206, 79-87.	4.2	605
22	Freshly Isolated Peyer's Patch, but Not Spleen, Dendritic Cells Produce Interleukin 10 and Induce the Differentiation of T Helper Type 2 Cells. Journal of Experimental Medicine, 1999, 190, 229-240.	4.2	595
23	Localization of Distinct Peyer's Patch Dendritic Cell Subsets and Their Recruitment by Chemokines Macrophage Inflammatory Protein (Mip)-3Î±, Mip-3Î², and Secondary Lymphoid Organ Chemokine. Journal of Experimental Medicine, 2000, 191, 1381-1394.	4.2	544
24	Influenza virus activates inflammasomes via its intracellular M2 ion channel. Nature Immunology, 2010, 11, 404-410.	7.0	544
25	Predominant Role for Directly Transfected Dendritic Cells in Antigen Presentation to CD8+ T Cells after Gene Gun Immunization. Journal of Experimental Medicine, 1998, 188, 1075-1082.	4.2	539
26	A vaccine strategy that protects against genital herpes by establishing local memory T cells. Nature, 2012, 491, 463-467.	13.7	518
27	Absence of autophagy results in reactive oxygen species-dependent amplification of RLR signaling. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2770-2775.	3.3	501
28	CD8+ T lymphocyte mobilization to virus-infected tissue requires CD4+ T-cell help. Nature, 2009, 462, 510-513.	13.7	495
29	Mucosal Dendritic Cells. Annual Review of Immunology, 2007, 25, 381-418.	9.5	477
30	The potential danger of suboptimal antibody responses in COVID-19. Nature Reviews Immunology, 2020, 20, 339-341.	10.6	447
31	The immunology and immunopathology of COVID-19. Science, 2022, 375, 1122-1127.	6.0	434
32	In Vivo Requirement for Atg5 in Antigen Presentation by Dendritic Cells. Immunity, 2010, 32, 227-239.	6.6	425
33	Unique Functions of CD11b+, CD8Î±+, and Double-Negative Peyerâ€™s Patch Dendritic Cells. Journal of Immunology, 2001, 166, 4884-4890.	0.4	393
34	SARSâ€“CoV-2 infection of the placenta. Journal of Clinical Investigation, 2020, 130, 4947-4953.	3.9	387
35	Vaginal Submucosal Dendritic Cells, but Not Langerhans Cells, Induce Protective Th1 Responses to Herpes Simplex Virus-2. Journal of Experimental Medicine, 2003, 197, 153-162.	4.2	364
36	Mouse model of SARS-CoV-2 reveals inflammatory role of type I interferon signaling. Journal of Experimental Medicine, 2020, 217, .	4.2	357

#	Article	IF	Citations
37	A local macrophage chemokine network sustains protective tissue-resident memory CD4 T cells. Science, 2014, 346, 93-98.	6.0	353
38	Vaginal Exposure to Zika Virus during Pregnancy Leads to Fetal Brain Infection. Cell, 2016, 166, 1247-1256.e4.	13.5	347
39	Sensing Self and Foreign Circular RNAs by Intron Identity. Molecular Cell, 2017, 67, 228-238.e5.	4.5	346
40	Interferons and Proinflammatory Cytokines in Pregnancy and Fetal Development. Immunity, 2018, 49, 397-412.	6.6	336
41	Bifurcation of Toll-Like Receptor 9 Signaling by Adaptor Protein 3. Science, 2010, 329, 1530-1534.	6.0	328
42	CD301b+ Dermal Dendritic Cells Drive T Helper 2 Cell-Mediated Immunity. Immunity, 2013, 39, 733-743.	6.6	328
43	The first 12 months of COVID-19: a timeline of immunological insights. Nature Reviews Immunology, 2021, 21, 245-256.	10.6	325
44	Coast-to-Coast Spread of SARS-CoV-2 during the Early Epidemic in the United States. Cell, 2020, 181, 990-996.e5.	13.5	321
45	VEGF-C-driven lymphatic drainage enables immunosurveillance of brain tumours. Nature, 2020, 577, 689-694.	13.7	321
46	Neutralizing antibodies against the SARS-CoV-2 Delta and Omicron variants following heterologous CoronaVac plus BNT162b2 booster vaccination. Nature Medicine, 2022, 28, 481-485.	15.2	316
47	Noncanonical Autophagy Is Required for Type I Interferon Secretion in Response to DNA-Immune Complexes. Immunity, 2012, 37, 986-997.	6.6	315
48	The autophagy geneATG5plays an essential role in B lymphocyte development. Autophagy, 2008, 4, 309-314.	4.3	314
49	Inflammasome activation in infected macrophages drives COVID-19 pathology. Nature, 2022, 606, 585-593.	13.7	276
50	Î²-Hydroxybutyrate Deactivates Neutrophil NLRP3 Inflammasome to Relieve Gout Flares. Cell Reports, 2017, 18, 2077-2087.	2.9	271
51	Dual recognition of herpes simplex viruses by TLR2 and TLR9 in dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17343-17348.	3.3	247
52	Early local immune defences in the respiratory tract. Nature Reviews Immunology, 2017, 17, 7-20.	10.6	244
53	Expression of DC-SIGN by Dendritic Cells of Intestinal and Genital Mucosae in Humans and Rhesus Macaques. Journal of Virology, 2002, 76, 1866-1875.	1.5	243
54	Mild respiratory COVID can cause multi-lineage neural cell and myelin dysregulation. Cell, 2022, 185, 2452-2468.e16.	13.5	237

#	Article	IF	Citations
55	Low ambient humidity impairs barrier function and innate resistance against influenza infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10905-10910.	3.3	235
56	Unexplained post-acute infection syndromes. Nature Medicine, 2022, 28, 911-923.	15.2	231
57	CD11b+ Peyerâ€™s Patch Dendritic Cells Secrete IL-6 and Induce IgA Secretion from Naive B Cells. Journal of Immunology, 2003, 171, 3684-3690.	0.4	222
58	Inflammasomes and Pyroptosis as Therapeutic Targets for COVID-19. Journal of Immunology, 2020, 205, 307-312.	0.4	213
59	Type I interferons instigate fetal demise after Zika virus infection. Science Immunology, 2018, 3, .	5.6	212
60	SalivaDirect: A simplified and flexible platform to enhance SARS-CoV-2 testing capacity. Med, 2021, 2, 263-280.e6.	2.2	211
61	Mx1 reveals innate pathways to antiviral resistance and lethal influenza disease. Science, 2016, 352, 463-466.	6.0	210
62	What reinfections mean for COVID-19. Lancet Infectious Diseases, The, 2021, 21, 3-5.	4.6	201
63	Temperature-dependent innate defense against the common cold virus limits viral replication at warm temperature in mouse airway cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 827-832.	3.3	199
64	Impact of circulating SARS-CoV-2 variants on mRNA vaccine-induced immunity. Nature, 2021, 600, 523-529.	13.7	194
65	A Promiscuous Lipid-Binding Protein Diversifies the Subcellular Sites of Toll-like Receptor Signal Transduction. Cell, 2014, 156, 705-716.	13.5	192
66	Delayed production of neutralizing antibodies correlates with fatal COVID-19. Nature Medicine, 2021, 27, 1178-1186.	15.2	183
67	Candida albicans Morphology and Dendritic Cell Subsets Determine T Helper Cell Differentiation. Immunity, 2015, 42, 356-366.	6.6	182
68	Single-cell longitudinal analysis of SARS-CoV-2 infection in human airway epithelium identifies target cells, alterations in gene expression, and cell state changes. PLoS Biology, 2021, 19, e3001143.	2.6	180
69	A Virological View of Innate Immune Recognition. Annual Review of Microbiology, 2012, 66, 177-196.	2.9	176
70	Tissueâ€resident memory T cells. Immunological Reviews, 2013, 255, 165-181.	2.8	169
71	CCL9 Is Secreted by the Follicle-Associated Epithelium and Recruits Dome Region Peyerâ€™s Patch CD11b+ Dendritic Cells. Journal of Immunology, 2003, 171, 2797-2803.	0.4	167
72	Recruited inflammatory monocytes stimulate antiviral Th1 immunity in infected tissue. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 284-289.	3.3	167

#	Article	IF	Citations
73	Cutting Edge: Plasmacytoid Dendritic Cells Provide Innate Immune Protection against Mucosal Viral Infection In Situ. Journal of Immunology, 2006, 177, 7510-7514.	0.4	164
74	De novo emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: a case report. Nature Communications, 2022, 13, 1547.	5.8	159
75	Commensal Microbiota Modulation of Natural Resistance to Virus Infection. Cell, 2020, 183, 1312-1324.e10.	13.5	157
76	Antiviral immune responses in the genital tract: clues for vaccines. Nature Reviews Immunology, 2010, 10, 699-711.	10.6	152
77	Innate control of adaptive immunity: Dendritic cells and beyond. Seminars in Immunology, 2007, 19, 48-55.	2.7	148
78	Inflammasomes as mediators of immunity against influenza virus. Trends in Immunology, 2011, 32, 34-41.	2.9	144
79	Innate control of adaptive immunity via remodeling of lymph node feed arteriole. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16315-16320.	3.3	141
80	Adaptive immune determinants of viral clearance and protection in mouse models of SARS-CoV-2. Science Immunology, 2021, 6, eabl4509.	5.6	141
81	Dendritic cells and B cells maximize mucosal Th1 memory response to herpes simplex virus. Journal of Experimental Medicine, 2008, 205, 3041-3052.	4.2	138
82	Differential roles of migratory and resident DCs in T cell priming after mucosal or skin HSV-1 infection. Journal of Experimental Medicine, 2009, 206, 359-370.	4.2	137
83	A Neuron-Specific Role for Autophagy in Antiviral Defense against Herpes Simplex Virus. Cell Host and Microbe, 2012, 12, 334-345.	5.1	136
84	ERVmap analysis reveals genome-wide transcription of human endogenous retroviruses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12565-12572.	3.3	134
85	MyD88 signalling in colonic mononuclear phagocytes drives colitis in IL-10-deficient mice. Nature Communications, 2012, 3, 1120.	5.8	133
86	Why does Japan have so few cases of COVIDâ€19?. EMBO Molecular Medicine, 2020, 12, e12481.	3.3	133
87	TAM Receptors Are Not Required for Zika Virus Infection in Mice. Cell Reports, 2017, 19, 558-568.	2.9	125
88	Sex differences in immune responses. Science, 2021, 371, 347-348.	6.0	123
89	IL-1R signaling in dendritic cells replaces pattern-recognition receptors in promoting CD8+ T cell responses to influenza A virus. Nature Immunology, 2013, 14, 246-253.	7.0	122
90	Maternal respiratory SARS-CoV-2 infection in pregnancy is associated with a robust inflammatory response at the maternal-fetal interface. Med, 2021, 2, 591-610.e10.	2.2	122

#	Article	IF	Citations
91	Divergent and self-reactive immune responses in the CNS of COVID-19 patients with neurological symptoms. Cell Reports Medicine, 2021, 2, 100288.	3.3	121
92	The CXC Chemokine Murine Monokine Induced by IFN-Î³ (CXC Chemokine Ligand 9) Is Made by APCs, Targets Lymphocytes Including Activated B Cells, and Supports Antibody Responses to a Bacterial Pathogen In Vivo. Journal of Immunology, 2002, 169, 1433-1443.	0.4	120
93	Genomeâ€“virome interactions: examining the role of common viral infections in complex disease. Nature Reviews Microbiology, 2011, 9, 254-264.	13.6	117
94	KDM5B promotes immune evasion by recruiting SETDB1 to silence retroelements. Nature, 2021, 598, 682-687.	13.7	117
95	COVID-19 vaccines: Keeping pace with SARS-CoV-2 variants. Cell, 2021, 184, 5077-5081.	13.5	114
96	Immunofluorescence Analysis of Poliovirus Receptor Expression in Peyer's Patches of Humans, Primates, andCD155Transgenic Mice: Implications for Poliovirus Infection. Journal of Infectious Diseases, 2002, 186, 585-592.	1.9	113
97	Aging impairs both primary and secondary RIG-I signaling for interferon induction in human monocytes. Science Signaling, 2017, 10, .	1.6	113
98	CD301b+ Macrophages Are Essential forÂEffective Skin Wound Healing. Journal of Investigative Dermatology, 2016, 136, 1885-1891.	0.3	111
99	Zika virus causes testicular atrophy. Science Advances, 2017, 3, e1602899.	4.7	111
100	Effector TH17 Cells Give Rise to Long-Lived TRM Cells that Are Essential for an Immediate Response against Bacterial Infection. Cell, 2019, 178, 1176-1188.e15.	13.5	111
101	Exploiting Mucosal Immunity for Antiviral Vaccines. Annual Review of Immunology, 2016, 34, 575-608.	9.5	109
102	From The Cover: Induction of antiviral immunity requires Toll-like receptor signaling in both stromal and dendritic cell compartments. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16274-16279.	3.3	107
103	KDM5 histone demethylases repress immune response via suppression of STING. PLoS Biology, 2018, 16, e2006134.	2.6	106
104	Single-cell multi-omics reveals dyssynchrony of the innate and adaptive immune system in progressive COVID-19. Nature Communications, 2022, 13, 440.	5.8	100
105	m6A Modification Prevents Formation of Endogenous Double-Stranded RNAs and Deleterious Innate Immune Responses during Hematopoietic Development. Immunity, 2020, 52, 1007-1021.e8.	6.6	99
106	Primary Role for GI Protein Signaling in the Regulation of Interleukin 12 Production and the Induction of T Helper Cell Type 1 Responses. Journal of Experimental Medicine, 2000, 191, 1605-1610.	4.2	98
107	Ketogenic diet activates protective Î³Î´ T cell responses against influenza virus infection. Science Immunology, 2019, 4, .	5.6	98
108	Why and How Vaccines Work. Cell, 2020, 183, 290-295.	13.5	98

#	Article	IF	Citations
109	Tissue instruction for migration and retention of TRM cells. Trends in Immunology, 2015, 36, 556-564.	2.9	97
110	Antiviral CD8 T cells induce Zika-virus-associated paralysis in mice. Nature Microbiology, 2018, 3, 141-147.	5.9	97
111	Autophagy and antiviral immunity. Current Opinion in Immunology, 2008, 20, 23-29.	2.4	95
112	Investigate the origins of COVID-19. Science, 2021, 372, 694-694.	6.0	92
113	ELF4 is critical for induction of type I interferon and the host antiviral response. Nature Immunology, 2013, 14, 1237-1246.	7.0	89
114	Control of antiviral immunity by pattern recognition and the microbiome. Immunological Reviews, 2012, 245, 209-226.	2.8	87
115	Essential role for GABARAP autophagy proteins in interferon-inducible GTPase-mediated host defense. Nature Immunology, 2017, 18, 899-910.	7.0	85
116	CD4 ⁺ T cells support cytotoxic T lymphocyte priming by controlling lymph node input. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8749-8754.	3.3	80
117	Topical application of aminoglycoside antibiotics enhances host resistance to viral infections in a microbiota-independent manner. Nature Microbiology, 2018, 3, 611-621.	5.9	80
118	A minimal RNA ligand for potent RIG-I activation in living mice. Science Advances, 2018, 4, e1701854.	4.7	79
119	Vaginal epithelial dendritic cells renew from bone marrow precursors. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19061-19066.	3.3	78
120	Migrant memory B cells secrete luminal antibody in the vagina. Nature, 2019, 571, 122-126.	13.7	77
121	Dendritic cells and macrophages in the genitourinary tract. Mucosal Immunology, 2008, 1, 451-459.	2.7	76
122	Intranasal priming induces local lung-resident B cell populations that secrete protective mucosal antiviral IgA. Science Immunology, 2021, 6, eabj5129.	5.6	76
123	CD301b+ dendritic cells stimulate tissue-resident memory CD8+ T cells to protect against genital HSV-2. Nature Communications, 2016, 7, 13346.	5.8	74
124	Toll-like receptors regulation of viral infection and diseaseâ˜†. Advanced Drug Delivery Reviews, 2008, 60, 786-794.	6.6	73
125	Interferon deficiency can lead to severe COVID. Nature, 2020, 587, 374-376.	13.7	73
126	Access of protective antiviral antibody to neuronal tissues requires CD4 T-cell help. Nature, 2016, 533, 552-556.	13.7	72

#	Article	IF	Citations
127	An Antiviral Branch of the IL-1 Signaling Pathway Restricts Immune-Evasive Virus Replication. Molecular Cell, 2018, 71, 825-840.e6.	4.5	72
128	A humanized mouse model of chronic COVID-19. Nature Biotechnology, 2022, 40, 906-920.	9.4	71
129	In Vivo Role of Nectin-1 in Entry of Herpes Simplex Virus Type 1 (HSV-1) and HSV-2 through the Vaginal Mucosa. Journal of Virology, 2004, 78, 2530-2536.	1.5	70
130	Adaptor Protein-3 in Dendritic Cells Facilitates Phagosomal Toll-like Receptor Signaling and Antigen Presentation to CD4+ T Cells. Immunity, 2012, 36, 782-794.	6.6	70
131	Innate Immune Recognition of HIV-1. Immunity, 2012, 37, 389-398.	6.6	68
132	CD8+ T Cell Responses following Replication-Defective Adenovirus Serotype 5 Immunization Are Dependent on CD11c+ Dendritic Cells but Show Redundancy in Their Requirement of TLR and Nucleotide-Binding Oligomerization Domain-Like Receptor Signaling. Journal of Immunology, 2010, 185, 1513-1521.	0.4	66
133	Efficient influenza A virus replication in the respiratory tract requires signals from TLR7 and RIG-I. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13910-13915.	3.3	66
134	Critical role of CD4+ T cells and IFNÎ³ signaling in antibody-mediated resistance to Zika virus infection. Nature Communications, 2018, 9, 3136.	5.8	64
135	Detection of SARS-CoV-2 RNA by multiplex RT-qPCR. PLoS Biology, 2020, 18, e3000867.	2.6	64
136	The interaction between IKKÎ± and LC3 promotes type I interferon production through the TLR9-containing LAPosome. Science Signaling, 2018, 11, .	1.6	62
137	The Lupus Susceptibility Locus Sgp3 Encodes the Suppressor of Endogenous Retrovirus Expression SNERV. Immunity, 2019, 50, 334-347.e9.	6.6	61
138	Stability of SARS-CoV-2 RNA in Nonsupplemented Saliva. Emerging Infectious Diseases, 2021, 27, 1146-1150.	2.0	61
139	Unique features of antiviral immune system of the vaginal mucosa. Current Opinion in Immunology, 2012, 24, 411-416.	2.4	60
140	Autophagy in the control and pathogenesis of viral infection. Current Opinion in Virology, 2011, 1, 196-203.	2.6	59
141	Phagosome as the Organelle Linking Innate and Adaptive Immunity. Traffic, 2012, 13, 1053-1061.	1.3	59
142	Prevention of host-to-host transmission by SARS-CoV-2 vaccines. Lancet Infectious Diseases, The, 2022, 22, e52-e58.	4.6	59
143	Viral Spread to Enteric Neurons Links Genital HSV-1 Infection to Toxic Megacolon and Lethality. Cell Host and Microbe, 2016, 19, 788-799.	5.1	58
144	Kynurenic acid may underlie sex-specific immune responses to COVID-19. Science Signaling, 2021, 14, .	1.6	58

#	Article	IF	Citations
145	Contributions of maternal and fetal antiviral immunity in congenital disease. Science, 2020, 368, 608-612.	6.0	57
146	Regulation of Immature Dendritic Cell Migration by RhoA Guanine Nucleotide Exchange Factor Arhgef5. Journal of Biological Chemistry, 2009, 284, 28599-28606.	1.6	56
147	Type I IFN Is Necessary and Sufficient for Inflammation-Induced Red Blood Cell Alloimmunization in Mice. Journal of Immunology, 2017, 199, 1041-1050.	0.4	56
148	Targeting stem-loop 1 of the SARS-CoV-2 5â€² UTR to suppress viral translation and Nsp1 evasion. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	56
149	Alternative Capture of Noncoding RNAs or Protein-Coding Genes by Herpesviruses to Alter Host T Cell Function. Molecular Cell, 2014, 54, 67-79.	4.5	55
150	Two interferon-independent double-stranded RNA-induced host defense strategies suppress the common cold virus at warm temperature. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8496-8501.	3.3	54
151	AXL receptor tyrosine kinase is required for T cell priming and antiviral immunity. ELife, 2016, 5, .	2.8	54
152	Intestinal epithelial barrier and mucosal immunity. Cellular and Molecular Life Sciences, 2005, 62, 1333-1338.	2.4	53
153	Cholera toxin inhibits IL-12 production and CD8Î±+ dendritic cell differentiation by cAMP-mediated inhibition of IRF8 function. Journal of Experimental Medicine, 2009, 206, 1227-1235.	4.2	53
154	The Combination of MEK Inhibitor With Immunomodulatory Antibodies Targeting Programmed Death 1 and Programmed Death Ligand 1 Results in Prolonged Survival in Kras/p53-Driven Lung Cancer. Journal of Thoracic Oncology, 2019, 14, 1046-1060.	0.5	52
155	Epigenetic Reprogramming of the Type III Interferon Response Potentiates Antiviral Activity and Suppresses Tumor Growth. PLoS Biology, 2014, 12, e1001758.	2.6	50
156	Intratumoral delivery of RIG-I agonist SLR14 induces robust antitumor responses. Journal of Experimental Medicine, 2019, 216, 2854-2868.	4.2	49
157	Immune Regulation of Antibody Access to Neuronal Tissues. Trends in Molecular Medicine, 2017, 23, 227-245.	3.5	48
158	Regional Differences in Airway Epithelial Cells Reveal Tradeoff between Defense against Oxidative Stress and Defense against Rhinovirus. Cell Reports, 2018, 24, 3000-3007.e3.	2.9	46
159	A crucial role for plasmacytoid dendritic cells in antiviral protection by CpG ODN-based vaginal microbicide. Journal of Clinical Investigation, 2006, 116, 2237-2243.	3.9	46
160	A stem-loop RNA RIG-I agonist protects against acute and chronic SARS-CoV-2 infection in mice. Journal of Experimental Medicine, 2022, 219, .	4.2	46
161	CD301b + Mononuclear Phagocytes Maintain Positive Energy Balance through Secretion of Resistin-like Molecule Alpha. Immunity, 2016, 45, 583-596.	6.6	44
162	Fetal Growth Restriction Caused by Sexual Transmission of Zika Virus in Mice. Journal of Infectious Diseases, 2017, 215, 1720-1724.	1.9	44

#	Article	IF	Citations
163	Generating protective immunity against genital herpes. Trends in Immunology, 2013, 34, 487-494.	2.9	43
164	Successful application of prime and pull strategy for a therapeutic HSV vaccine. Npj Vaccines, 2019, 4, 33.	2.9	43
165	Aedes aegypti AgBR1 antibodies modulate early Zika virus infection of mice. Nature Microbiology, 2019, 4, 948-955.	5.9	43
166	RIG-I Selectively Discriminates against 5â€²-Monophosphate RNA. Cell Reports, 2019, 26, 2019-2027.e4.	2.9	43
167	Gastric Cancer With Primitive Enterocyte Phenotype. American Journal of Surgical Pathology, 2017, 41, 989-997.	2.1	42
168	CD301b+ dendritic cells suppress T follicular helper cells and antibody responses to protein antigens. ELife, 2016, 5, .	2.8	40
169	Autophagy and selective deployment of Atg proteins in antiviral defense. International Immunology, 2013, 25, 1-10.	1.8	39
170	Multiscale PHATE identifies multimodal signatures of COVID-19. Nature Biotechnology, 2022, 40, 681-691.	9.4	39
171	A New Shield for a Cytokine Storm. Cell, 2011, 146, 861-862.	13.5	37
172	Innate sensors of influenza virus: clues to developing better intranasal vaccines. Expert Review of Vaccines, 2008, 7, 1435-1445.	2.0	36
173	Involvement of Dendritic Cell Subsets in the Induction of Oral Tolerance and Immunity. Annals of the New York Academy of Sciences, 2004, 1029, 60-65.	1.8	35
174	Apobec3A maintains HIV-1 latency through recruitment of epigenetic silencing machinery to the long terminal repeat. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2282-2289.	3.3	35
175	IRE1Î± promotes viral infection by conferring resistance to apoptosis. Science Signaling, 2017, 10, .	1.6	33
176	Role of Autophagy in Innate Viral Recognition. Autophagy, 2007, 3, 354-356.	4.3	32
177	Mitoxosome: a mitochondrial platform for crossâ€talk between cellular stress and antiviral signaling. Immunological Reviews, 2011, 243, 215-234.	2.8	32
178	B cells require Type 1 interferon to produce alloantibodies to transfused KELâ€expressing red blood cells in mice. Transfusion, 2017, 57, 2595-2608.	0.8	32
179	MAdCAM-1 Expressing Sacral Lymph Node in the Lymphotoxin Î²-Deficient Mouse Provides a Site for Immune Generation Following Vaginal Herpes Simplex Virus-2 Infection. Journal of Immunology, 2004, 173, 1908-1913.	0.4	31
180	Clinical characteristics and outcomes for 7,995 patients with SARS-CoV-2 infection. PLoS ONE, 2021, 16, e0243291.	1.1	31

#	Article	IF	Citations
181	Induction by DNA immunization of a protective antitumor cytotoxic T lymphocyte response against a minimal-epitope-expressing tumor. Cancer Immunology, Immunotherapy, 1998, 45, 273-279.	2.0	29
182	The Importance of CD11b+ Dendritic Cells in CD4+ T Cell Activation In Vivo. Journal of Experimental Medicine, 2003, 198, 185-190.	4.2	28
183	Vitamin B12 and folic acid alleviate symptoms of nutritional deficiency by antagonizing aryl hydrocarbon receptor. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15837-15845.	3.3	28
184	High-affinity, neutralizing antibodies to SARS-CoV-2 can be made without T follicular helper cells. Science Immunology, 2022, 7, .	5.6	28
185	A phase 2 evaluation of pembrolizumab for recurrent Lynchâ€like versus sporadic endometrial cancers with microsatellite instability. Cancer, 2022, 128, 1206-1218.	2.0	28
186	High-resolution epitope mapping and characterization of SARS-CoV-2 antibodies in large cohorts of subjects with COVID-19. Communications Biology, 2021, 4, 1317.	2.0	27
187	Autophagic control of RLR signaling. Autophagy, 2009, 5, 749-750.	4.3	26
188	Antibodies against human endogenous retrovirus K102 envelope activate neutrophils in systemic lupus erythematosus. Journal of Experimental Medicine, 2021, 218, .	4.2	26
189	Autophagy and Innate Recognition Systems. Current Topics in Microbiology and Immunology, 2009, 335, 107-121.	0.7	26
190	Nonmucosal Alphavirus Vaccination Stimulates a Mucosal Inductive Environment in the Peripheral Draining Lymph Node. Journal of Immunology, 2008, 181, 574-585.	0.4	25
191	Cervicovaginal Microbiota: Simple Is Better. Immunity, 2015, 42, 790-791.	6.6	25
192	High-risk human papillomavirus E6 inhibits monocyte differentiation to Langerhans cells. Virology, 2013, 444, 257-262.	1.1	24
193	Cell type-dependent requirement of autophagy in HSV-1 antiviral defense. Autophagy, 2013, 9, 236-238.	4.3	23
194	UVB-mediated DNA damage induces matrix metalloproteinases to promote photoaging in an AhR- and SP1-dependent manner. JCI Insight, 2022, 7, .	2.3	23
195	Toll-like receptor 9 trafficking and signaling for type I interferons requires PIKfyve activity. International Immunology, 2015, 27, 435-445.	1.8	22
196	Application of the Proximity-Dependent Assay and Fluorescence Imaging Approaches to Study Viral Entry Pathways. Methods in Molecular Biology, 2015, 1270, 437-451.	0.4	22
197	Parvovirus evades interferon-dependent viral control in primary mouse embryonic fibroblasts. Virology, 2013, 442, 20-27.	1.1	21
198	Zika virus targets blood monocytes. Nature Microbiology, 2017, 2, 1460-1461.	5.9	21

#	Article	IF	Citations
199	Lack of association between pandemic chilblains and SARS-CoV-2 infection. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	18
200	YTHDF1 Control of Dendritic Cell Cross-Priming as a Possible Target of Cancer Immunotherapy. Biochemistry, 2019, 58, 1945-1946.	1.2	17
201	Cutting Edge: The Use of Topical Aminoglycosides as an Effective Pull in â€œPrime and Pullâ€•Vaccine Strategy. Journal of Immunology, 2020, 204, 1703-1707.	0.4	17
202	The role of dendritic cells in immune responses against vaginal infection by herpes simplex virus type 2. Microbes and Infection, 2003, 5, 1221-1230.	1.0	16
203	Ezrin is a key element in the human vagina. Maturitas, 2008, 60, 31-41.	1.0	15
204	Playmate robots that can act according to a child's mental state. , 2012, , .		15
205	Adenocarcinoma of the esophagogastric junction and its background mucosal pathology: A comparative analysis according to Siewert classification in a Japanese cohort. Cancer Medicine, 2018, 7, 5145-5154.	1.3	15
206	Human APOBEC3G Prevents Emergence of Infectious Endogenous Retrovirus in Mice. Journal of Virology, 2019, 93, .	1.5	15
207	RIG-I Recognition of RNA Targets: The Influence of Terminal Base Pair Sequence and Overhangs on Affinity and Signaling. Cell Reports, 2019, 29, 3807-3815.e3.	2.9	15
208	Toll-Like Receptor 9 in Plasmacytoid Dendritic Cells Fails To Detect Parvoviruses. Journal of Virology, 2013, 87, 3605-3608.	1.5	14
209	Rapid temporal improvement of pembrolizumab-induced pneumonitis using the anti-TNF-Î± antibody infliximab. Drug Discoveries and Therapeutics, 2019, 13, 164-167.	0.6	14
210	The Role of Immune Factors in Shaping Fetal Neurodevelopment. Annual Review of Cell and Developmental Biology, 2020, 36, 441-468.	4.0	14
211	Why we need to increase diversity in the immunology research community. Nature Immunology, 2019, 20, 1085-1088.	7.0	13
212	CD47 expression in Epstein-Barr virus-associated gastric carcinoma: coexistence with tumor immunity lowering the ratio of CD8+/Foxp3+ T cells. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2018, 472, 643-651.	1.4	12
213	Poliomyelitis in transgenic mice expressing CD155 under the control of the Tage4 promoter after oral and parenteral poliovirus inoculation. Journal of General Virology, 2014, 95, 1668-1676.	1.3	11
214	The Global Response to the COVID-19 Pandemic. Med, 2020, 1, 3-8.	2.2	11
215	The cellular endosomal protein stannin inhibits intracellular trafficking of human papillomavirus during virus entry. Journal of General Virology, 2017, 98, 2821-2836.	1.3	11
216	Development and utilization of a surrogate SARS-CoV-2 viral neutralization assay to assess mRNA vaccine responses. PLoS ONE, 2022, 17, e0262657.	1.1	11

#	Article	IF	Citations
217	Love Triangle between Unc93B1, TLR7, and TLR9 Prevents Fatal Attraction. Immunity, 2011, 35, 3-5.	6.6	10
218	Tracking smell loss to identify healthcare workers with SARS-CoV-2 infection. PLoS ONE, 2021, 16, e0248025.	1.1	10
219	Evolving A RIG-I Antagonist: A Modified DNA Aptamer Mimics Viral RNA. Journal of Molecular Biology, 2021, 433, 167227.	2.0	10
220	No evidence of fetal defects or anti-syncytin-1 antibody induction following COVID-19 mRNA vaccination. PLoS Biology, 2022, 20, e3001506.	2.6	10
221	Nitric Oxide and TNFÎ± Are Critical Regulators of Reversible Lymph Node Vascular Remodeling and Adaptive Immune Response. PLoS ONE, 2013, 8, e60741.	1.1	9
222	Impact of Chronic HIV Infection on SARS-CoV-2 Infection, COVID-19 Disease and Vaccines. Current HIV/AIDS Reports, 2022, 19, 5-16.	1.1	9
223	No Viral Association Found in a Set of Differentiated Vulvar Intraepithelial Neoplasia Cases by Human Papillomavirus and Pan-Viral Microarray Testing. PLoS ONE, 2015, 10, e0125292.	1.1	8
224	Division of Labor by Dendritic Cells. Cell, 2007, 128, 435-436.	13.5	7
225	Balancing family life with a science career. Nature Immunology, 2015, 16, 787-790.	7.0	7
226	Murine Leukemia Virus Exploits Innate Sensing by Toll-Like Receptor 7 in B-1 Cells To Establish Infection and Locally Spread in Mice. Journal of Virology, 2019, 93, .	1.5	7
227	Antidote to toxic principal investigators. Nature Medicine, 2020, 26, 457-457.	15.2	7
228	Challenges in interpreting cytokine data in COVID-19 affect patient care and management. PLoS Biology, 2021, 19, e3001373.	2.6	7
229	Longitudinal Immune Profiling of a Severe Acute Respiratory Syndrome Coronavirus 2 Reinfection in a Solid Organ Transplant Recipient. Journal of Infectious Diseases, 2022, 225, 374-384.	1.9	7
230	APOBEC3A regulates transcription from interferon-stimulated response elements. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2011665119.	3.3	7
231	Local advantage: skin DCs prime; skin memory T cells protect. Nature Immunology, 2009, 10, 451-453.	7.0	6
232	Monocytes Inadequately Fill In for Meningeal Macrophages. Trends in Immunology, 2019, 40, 463-465.	2.9	6
233	Universal Principled Review: A Community-Driven Method to Improve Peer Review. Cell, 2019, 179, 1441-1445.	13.5	6
234	RUNX Binding Sites Are Enriched in Herpesvirus Genomes, and RUNX1 Overexpression Leads to Herpes Simplex Virus 1 Suppression. Journal of Virology, 2020, 94, .	1.5	6

#	Article	IF	Citations
235	Human Leukocyte Antigen Class I Deficiency in Gastric Carcinoma. American Journal of Surgical Pathology, 2021, 45, 1213-1220.	2.1	6
236	High-affinity, neutralizing antibodies to SARS-CoV-2 can be made without T follicular helper cells.. Science Immunology, 2021, , eabl5652.	5.6	6
237	The Use of Bone Marrow-Chimeric Mice in Elucidating Immune Mechanisms. , 2006, 127, 281-292.		5
238	Generating hard-to-obtain information from easy-to-obtain information: Applications in drug discovery and clinical inference. Patterns, 2021, 2, 100288.	3.1	5
239	Mucosal Dendritic Cells. , 2015, , 489-541.		4
240	Antiviral responses of inbred mice. Nature Reviews Immunology, 2016, 16, 339-339.	10.6	4
241	Reply to: A finding of sex similarities rather than differences in COVID-19 outcomes. Nature, 2021, 597, E10-E11.	13.7	4
242	Equity, diversity, and inclusion in academia: lessons from the Canadian Society of Immunology. Trends in Immunology, 2022, 43, 163-166.	2.9	4
243	Case Study: Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient. , 2021, , .		3
244	Mouse Model of SARS-CoV-2 Reveals Inflammatory Role of Type I Interferon Signaling. SSRN Electronic Journal, 2020, , 3628297.	0.4	3
245	Different routes to the same destination. ELife, 2013, 2, e00572.	2.8	3
246	Autophagy Snuffs a Macrophageâ€™s Inner Fire. Cell Host and Microbe, 2016, 19, 9-11.	5.1	2
247	RAB15 empowers dendritic cells to drive antiviral immunity. Science Immunology, 2017, 2, .	5.6	2
248	Reply to IÃ±iguez et al.: ERVmap is a validated approach to mapping proviral endogenous retroviruses in the human genome. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21352-21353.	3.3	2
249	456. Implementing an At-Home Smell Test for Early Assessment of COVID-19 in High-Risk Healthcare Workers. Open Forum Infectious Diseases, 2020, 7, S295-S296.	0.4	2
250	Method for Measuring Mucociliary Clearance and Cilia-generated Flow in Mice by ex vivo Imaging. Bio-protocol, 2020, 10, e3554.	0.2	2
251	Skin TRM mediates distributed border patrol. Cell Research, 2012, 22, 1325-1327.	5.7	1
252	B cells join T cell clusters in the host response to recurrent herpes simplex virus 2 infection. Journal of Clinical Investigation, 2021, 131, .	3.9	1

#	Article	IF	Citations
253	Associations of SARS-CoV-2 serum IgG with occupation and demographics of military personnel. PLoS ONE, 2021, 16, e0251114.	1.1	1
254	Multiscale PHATE Exploration of SARS-CoV-2 Data Reveals Multimodal Signatures of Disease. SSRN Electronic Journal, 0, , .	0.4	1
255	Application of a Modified Smart-seq2 Sample Preparation Protocol for Rare Cell Full-length Single-cell mRNA Sequencing to Mouse Oocytes. Bio-protocol, 2019, 9, e3345.	0.2	1
256	Endogenous Retroviruses Provide Protection Against Vaginal HSV-2 Disease. Frontiers in Immunology, 2021, 12, 758721.	2.2	1
257	Using social media to promote science. Nature Immunology, 0, , .	7.0	1
258	The role of dendritic cells in the induction of oral tolerance and immunity. Japanese Journal of Clinical Immunology, 2003, 26, 200-200.	0.0	0
259	Securing Mucosal Bordersâ€"Migrant Monocytes to the Rescue. Cell Host and Microbe, 2008, 4, 192-194.	5.1	0
260	Innate Immunity to Viruses. , 0, , 183-196.		0
261	O-linked sugars sound the alarm. Nature Immunology, 2016, 17, 119-120.	7.0	0
262	1 Type I Interferon Is Necessary and Sufficient for Alloimmunization to Transfused KEL-Expressing RBCs in Mice. American Journal of Clinical Pathology, 2018, 149, S163-S163.	0.4	0
263	Mucosal Vaccines for Genital Herpes. , 2020, , 723-734.		0
264	Abstract S03-03: Cancer patients display diminished viral RNA clearance and altered T cell responses during SARS-CoV-2 infection. , 2021, , .		0
265	How COVID-19 has transformed my science. Neuron, 2021, 109, 3041-3044.	3.8	0
266	Epithelial dendritic cells in vagina rapidly renew from bone marrow precursors. FASEB Journal, 2008, 22, 851.7.	0.2	0
267	In vivo requirement for autophagy in antigen presentation by dendritic cells. FASEB Journal, 2008, 22, 1068.13.	0.2	0
268	T helper dependent CTL migration into the vaginal mucosa. FASEB Journal, 2008, 22, 852.5.	0.2	0
269	Type 1 Interferon Regulates Inflammation Associated RBC Alloimmunization By Promoting Monocyte-Derived Dendritic Cell Erythrophagocytosis in Mice. Blood, 2016, 128, 19-19.	0.6	0
270	Loss of METTL3 Mediated m6A RNA Modification Results in Double-Stranded RNA Induced Innate Immune Response and Hematopoietic Failure. Blood, 2019, 134, 450-450.	0.6	0

#	Article	IF	Citations
271	Environmental Conditioning and Aerosol Infection of Mice. Bio-protocol, 2020, 10, e3592.	0.2	0
272	68. Active Monitoring of a Healthcare Worker Cohort During the COVID-19 Epidemic. Open Forum Infectious Diseases, 2020, 7, S165-S165.	0.4	0
273	301. Detection of Pneumococcal Pneumonia During SARS-CoV-2 Infection. Open Forum Infectious Diseases, 2021, 8, S257-S257.	0.4	0