

# Akiko Iwasaki

## List of Publications by Citations

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302  
papers

38,630  
citations

84  
h-index

195  
g-index

341  
ext. papers

47,558  
ext. citations

18.6  
avg, IF

8.2  
L-index

#	Paper	IF	Citations
302	Toll-like receptor control of the adaptive immune responses. <i>Nature Immunology</i> , <b>2004</b> , 5, 987-95	19.1	3232
301	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544	14.2	2783
300	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , <b>2008</b> , 4, 151-75	10.2	1920
299	Regulation of adaptive immunity by the innate immune system. <i>Science</i> , <b>2010</b> , 327, 291-5	33.3	1447
298	Recognition of single-stranded RNA viruses by Toll-like receptor 7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 5598-603	11.5	1433
297	Control of adaptive immunity by the innate immune system. <i>Nature Immunology</i> , <b>2015</b> , 16, 343-53	19.1	1078
296	Toll-like receptor 9-mediated recognition of Herpes simplex virus-2 by plasmacytoid dendritic cells. <i>Journal of Experimental Medicine</i> , <b>2003</b> , 198, 513-20	16.6	968
295	Microbiota regulates immune defense against respiratory tract influenza A virus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 5354-9	11.5	928
294	Longitudinal analyses reveal immunological misfiring in severe COVID-19. <i>Nature</i> , <b>2020</b> , 584, 463-469	50.4	901
293	Mitochondrial DNA stress primes the antiviral innate immune response. <i>Nature</i> , <b>2015</b> , 520, 553-7	50.4	831
292	Autophagy-dependent viral recognition by plasmacytoid dendritic cells. <i>Science</i> , <b>2007</b> , 315, 1398-401	33.3	710
291	Innate immunity to influenza virus infection. <i>Nature Reviews Immunology</i> , <b>2014</b> , 14, 315-28	36.5	595
290	Sex differences in immune responses that underlie COVID-19 disease outcomes. <i>Nature</i> , <b>2020</b> , 588, 315-320	30.4	556
289	Freshly isolated Peyer's patch, but not spleen, dendritic cells produce interleukin 10 and induce the differentiation of T helper type 2 cells. <i>Journal of Experimental Medicine</i> , <b>1999</b> , 190, 229-39	16.6	552
288	Inflammasome recognition of influenza virus is essential for adaptive immune responses. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 79-87	16.6	537
287	Localization of distinct Peyer's patch dendritic cell subsets and their recruitment by chemokines macrophage inflammatory protein (MIP)-3alpha, MIP-3beta, and secondary lymphoid organ chemokine. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 191, 1381-94	16.6	507
286	Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2. <i>New England Journal of Medicine</i> , <b>2020</b> , 383, 1283-1286	59.2	507

285	Predominant role for directly transfected dendritic cells in antigen presentation to CD8+ T cells after gene gun immunization. <i>Journal of Experimental Medicine</i> , <b>1998</b> , 188, 1075-82	16.6	495
284	Influenza virus activates inflammasomes via its intracellular M2 ion channel. <i>Nature Immunology</i> , <b>2010</b> , 11, 404-10	19.1	445
283	Absence of autophagy results in reactive oxygen species-dependent amplification of RLR signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 2770-5	11.5	443
282	Mucosal dendritic cells. <i>Annual Review of Immunology</i> , <b>2007</b> , 25, 381-418	34.7	441
281	Apoptotic caspases prevent the induction of type I interferons by mitochondrial DNA. <i>Cell</i> , <b>2014</b> , 159, 1563-77	56.2	434
280	Type I and Type III Interferons - Induction, Signaling, Evasion, and Application to Combat COVID-19. <i>Cell Host and Microbe</i> , <b>2020</b> , 27, 870-878	23.4	432
279	CD8(+) T lymphocyte mobilization to virus-infected tissue requires CD4(+) T-cell help. <i>Nature</i> , <b>2009</b> , 462, 510-3	50.4	422
278	A vaccine strategy that protects against genital herpes by establishing local memory T cells. <i>Nature</i> , <b>2012</b> , 491, 463-7	50.4	420
277	Analytical sensitivity and efficiency comparisons of SARS-CoV-2 RT-qPCR primer-probe sets. <i>Nature Microbiology</i> , <b>2020</b> , 5, 1299-1305	26.6	380
276	In vivo requirement for Atg5 in antigen presentation by dendritic cells. <i>Immunity</i> , <b>2010</b> , 32, 227-39	32.3	372
275	Unique functions of CD11b+, CD8 alpha+, and double-negative Peyer's patch dendritic cells. <i>Journal of Immunology</i> , <b>2001</b> , 166, 4884-90	5.3	372
274	Seasonality of Respiratory Viral Infections. <i>Annual Review of Virology</i> , <b>2020</b> , 7, 83-101	14.6	341
273	Vaginal submucosal dendritic cells, but not Langerhans cells, induce protective Th1 responses to herpes simplex virus-2. <i>Journal of Experimental Medicine</i> , <b>2003</b> , 197, 153-62	16.6	338
272	The potential danger of suboptimal antibody responses in COVID-19. <i>Nature Reviews Immunology</i> , <b>2020</b> , 20, 339-341	36.5	327
271	Neuroinvasion of SARS-CoV-2 in human and mouse brain. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	320
270	T cell memory. A local macrophage chemokine network sustains protective tissue-resident memory CD4 T cells. <i>Science</i> , <b>2014</b> , 346, 93-8	33.3	276
269	Vaginal Exposure to Zika Virus during Pregnancy Leads to Fetal Brain Infection. <i>Cell</i> , <b>2016</b> , 166, 1247-1256	56.4	272
268	Bifurcation of Toll-like receptor 9 signaling by adaptor protein 3. <i>Science</i> , <b>2010</b> , 329, 1530-4	33.3	272

267	Noncanonical autophagy is required for type I interferon secretion in response to DNA-immune complexes. <i>Immunity</i> , <b>2012</b> , 37, 986-997	32.3	270
266	The autophagy gene ATG5 plays an essential role in B lymphocyte development. <i>Autophagy</i> , <b>2008</b> , 4, 309-14	10.2	270
265	Coast-to-Coast Spread of SARS-CoV-2 during the Early Epidemic in the United States. <i>Cell</i> , <b>2020</b> , 181, 990-996.e5	56.2	235
264	CD301b+ dermal dendritic cells drive T helper 2 cell-mediated immunity. <i>Immunity</i> , <b>2013</b> , 39, 733-43	32.3	234
263	SARS-CoV-2 infection of the placenta. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 4947-4953	15.9	230
262	Sensing Self and Foreign Circular RNAs by Intron Identity. <i>Molecular Cell</i> , <b>2017</b> , 67, 228-238.e5	17.6	226
261	Mouse model of SARS-CoV-2 reveals inflammatory role of type I interferon signaling. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	223
260	Dual recognition of herpes simplex viruses by TLR2 and TLR9 in dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 17343-8	11.5	222
259	Expression of DC-SIGN by dendritic cells of intestinal and genital mucosae in humans and rhesus macaques. <i>Journal of Virology</i> , <b>2002</b> , 76, 1866-75	6.6	220
258	CD11b+ Peyer's patch dendritic cells secrete IL-6 and induce IgA secretion from naive B cells. <i>Journal of Immunology</i> , <b>2003</b> , 171, 3684-90	5.3	203
257	Diverse functional autoantibodies in patients with COVID-19. <i>Nature</i> , <b>2021</b> , 595, 283-288	50.4	199
256	Mx1 reveals innate pathways to antiviral resistance and lethal influenza disease. <i>Science</i> , <b>2016</b> , 352, 463-463	53.3	159
255	β-Hydroxybutyrate Deactivates Neutrophil NLRP3 Inflammasome to Relieve Gout Flares. <i>Cell Reports</i> , <b>2017</b> , 18, 2077-2087	10.6	158
254	VEGF-C-driven lymphatic drainage enables immunosurveillance of brain tumours. <i>Nature</i> , <b>2020</b> , 577, 689-694	50.4	154
253	A promiscuous lipid-binding protein diversifies the subcellular sites of toll-like receptor signal transduction. <i>Cell</i> , <b>2014</b> , 156, 705-16	56.2	152
252	Early local immune defences in the respiratory tract. <i>Nature Reviews Immunology</i> , <b>2017</b> , 17, 7-20	36.5	151
251	CCL9 is secreted by the follicle-associated epithelium and recruits dome region Peyer's patch CD11b+ dendritic cells. <i>Journal of Immunology</i> , <b>2003</b> , 171, 2797-803	5.3	151
250	Cutting Edge: Plasmacytoid dendritic cells provide innate immune protection against mucosal viral infection in situ. <i>Journal of Immunology</i> , <b>2006</b> , 177, 7510-4	5.3	149

249	Interferons and Proinflammatory Cytokines in Pregnancy and Fetal Development. <i>Immunity</i> , <b>2018</b> , 49, 397-412	32.3	149
248	Low ambient humidity impairs barrier function and innate resistance against influenza infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10905-10910	11.5	145
247	The first 12 months of COVID-19: a timeline of immunological insights. <i>Nature Reviews Immunology</i> , <b>2021</b> , 21, 245-256	36.5	140
246	Inflammasomes and Pyroptosis as Therapeutic Targets for COVID-19. <i>Journal of Immunology</i> , <b>2020</b> , 205, 307-312	5.3	138
245	Tissue-resident memory T cells. <i>Immunological Reviews</i> , <b>2013</b> , 255, 165-81	11.3	138
244	<i>Candida albicans</i> morphology and dendritic cell subsets determine T helper cell differentiation. <i>Immunity</i> , <b>2015</b> , 42, 356-366	32.3	136
243	Type I interferons instigate fetal demise after Zika virus infection. <i>Science Immunology</i> , <b>2018</b> , 3,	28	133
242	Recruited inflammatory monocytes stimulate antiviral Th1 immunity in infected tissue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 284-9	11.5	133
241	Temperature-dependent innate defense against the common cold virus limits viral replication at warm temperature in mouse airway cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 827-32	11.5	132
240	Antiviral immune responses in the genital tract: clues for vaccines. <i>Nature Reviews Immunology</i> , <b>2010</b> , 10, 699-711	36.5	131
239	What reinfections mean for COVID-19. <i>Lancet Infectious Diseases</i> , <b>2021</b> , 21, 3-5	25.5	130
238	A virological view of innate immune recognition. <i>Annual Review of Microbiology</i> , <b>2012</b> , 66, 177-96	17.5	129
237	Dendritic cells and B cells maximize mucosal Th1 memory response to herpes simplex virus. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 3041-52	16.6	125
236	Innate control of adaptive immunity: dendritic cells and beyond. <i>Seminars in Immunology</i> , <b>2007</b> , 19, 48-55	10.7	122
235	Differential roles of migratory and resident DCs in T cell priming after mucosal or skin HSV-1 infection. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 359-70	16.6	121
234	Innate control of adaptive immunity via remodeling of lymph node feed arteriole. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 16315-20	11.5	120
233	A neuron-specific role for autophagy in antiviral defense against herpes simplex virus. <i>Cell Host and Microbe</i> , <b>2012</b> , 12, 334-45	23.4	116
232	Inflammasomes as mediators of immunity against influenza virus. <i>Trends in Immunology</i> , <b>2011</b> , 32, 34-41	14.4	110

231	SalivaDirect: A simplified and flexible platform to enhance SARS-CoV-2 testing capacity. <i>Med</i> , <b>2021</b> , 2, 263-280.e6	31.7	110
230	The CXC chemokine murine monokine induced by IFN-gamma (CXC chemokine ligand 9) is made by APCs, targets lymphocytes including activated B cells, and supports antibody responses to a bacterial pathogen in vivo. <i>Journal of Immunology</i> , <b>2002</b> , 169, 1433-43	5.3	107
229	IL-1R signaling in dendritic cells replaces pattern-recognition receptors in promoting CD8+ T cell responses to influenza A virus. <i>Nature Immunology</i> , <b>2013</b> , 14, 246-53	19.1	105
228	MyD88 signalling in colonic mononuclear phagocytes drives colitis in IL-10-deficient mice. <i>Nature Communications</i> , <b>2012</b> , 3, 1120	17.4	105
227	Induction of antiviral immunity requires Toll-like receptor signaling in both stromal and dendritic cell compartments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 16274-9	11.5	101
226	TAM Receptors Are Not Required for Zika Virus Infection in Mice. <i>Cell Reports</i> , <b>2017</b> , 19, 558-568	10.6	100
225	Saliva is more sensitive for SARS-CoV-2 detection in COVID-19 patients than nasopharyngeal swabs		97
224	Genome-virome interactions: examining the role of common viral infections in complex disease. <i>Nature Reviews Microbiology</i> , <b>2011</b> , 9, 254-64	22.2	96
223	Immunofluorescence analysis of poliovirus receptor expression in Peyer's patches of humans, primates, and CD155 transgenic mice: implications for poliovirus infection. <i>Journal of Infectious Diseases</i> , <b>2002</b> , 186, 585-92	7	95
222	Primary role for Gi protein signaling in the regulation of interleukin 12 production and the induction of T helper cell type 1 responses. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 191, 1605-10	16.6	94
221	Zika virus causes testicular atrophy. <i>Science Advances</i> , <b>2017</b> , 3, e1602899	14.3	92
220	Neuroinvasion of SARS-CoV-2 in human and mouse brain <b>2020</b> ,		87
219	Autophagy and antiviral immunity. <i>Current Opinion in Immunology</i> , <b>2008</b> , 20, 23-9	7.8	84
218	Why does Japan have so few cases of COVID-19?. <i>EMBO Molecular Medicine</i> , <b>2020</b> , 12, e12481	12	83
217	Aging impairs both primary and secondary RIG-I signaling for interferon induction in human monocytes. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	72
216	Tissue instruction for migration and retention of TRM cells. <i>Trends in Immunology</i> , <b>2015</b> , 36, 556-64	14.4	71
215	Impact of circulating SARS-CoV-2 variants on mRNA vaccine-induced immunity. <i>Nature</i> , <b>2021</b> ,	50.4	71
214	Control of antiviral immunity by pattern recognition and the microbiome. <i>Immunological Reviews</i> , <b>2012</b> , 245, 209-26	11.3	70

213	Vaginal epithelial dendritic cells renew from bone marrow precursors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 19061-6	11.5	70
212	ERVmap analysis reveals genome-wide transcription of human endogenous retroviruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 12565-12572	11.5	70
211	Antiviral CD8 T cells induce Zika-virus-associated paralysis in mice. <i>Nature Microbiology</i> , <b>2018</b> , 3, 141-147	26.6	67
210	ELF4 is critical for induction of type I interferon and the host antiviral response. <i>Nature Immunology</i> , <b>2013</b> , 14, 1237-46	19.1	65
209	CD4+ T cells support cytotoxic T lymphocyte priming by controlling lymph node input. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 8749-54	11.5	65
208	Diverse Functional Autoantibodies in Patients with COVID-19 <b>2021</b> ,		65
207	Delayed production of neutralizing antibodies correlates with fatal COVID-19. <i>Nature Medicine</i> , <b>2021</b> , 27, 1178-1186	50.5	65
206	Innate immune recognition of HIV-1. <i>Immunity</i> , <b>2012</b> , 37, 389-98	32.3	62
205	Dendritic cells and macrophages in the genitourinary tract. <i>Mucosal Immunology</i> , <b>2008</b> , 1, 451-9	9.2	62
204	Single-cell longitudinal analysis of SARS-CoV-2 infection in human airway epithelium identifies target cells, alterations in gene expression, and cell state changes. <i>PLoS Biology</i> , <b>2021</b> , 19, e3001143	9.7	62
203	Exploiting Mucosal Immunity for Antiviral Vaccines. <i>Annual Review of Immunology</i> , <b>2016</b> , 34, 575-608	34.7	62
202	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. <i>Journal of Immunology</i> , <b>2010</b> , 185, 1512-21	5.3	61
201	In vivo role of nectin-1 in entry of herpes simplex virus type 1 (HSV-1) and HSV-2 through the vaginal mucosa. <i>Journal of Virology</i> , <b>2004</b> , 78, 2530-6	6.6	61
200	CD301b+ Macrophages Are Essential for Effective Skin Wound Healing. <i>Journal of Investigative Dermatology</i> , <b>2016</b> , 136, 1885-1891	4.3	60
199	Toll-like receptors regulation of viral infection and disease. <i>Advanced Drug Delivery Reviews</i> , <b>2008</b> , 60, 786-94	18.5	59
198	A minimal RNA ligand for potent RIG-I activation in living mice. <i>Science Advances</i> , <b>2018</b> , 4, e1701854	14.3	57
197	Neutralizing antibodies against the SARS-CoV-2 Delta and Omicron variants following heterologous CoronaVac plus BNT162b2 booster vaccination.. <i>Nature Medicine</i> , <b>2022</b> ,	50.5	57
196	Efficient influenza A virus replication in the respiratory tract requires signals from TLR7 and RIG-I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 13910-5	11.5	56

195	Essential role for GABARAP autophagy proteins in interferon-inducible GTPase-mediated host defense. <i>Nature Immunology</i> , <b>2017</b> , 18, 899-910	19.1	55
194	Access of protective antiviral antibody to neuronal tissues requires CD4 T-cell help. <i>Nature</i> , <b>2016</b> , 533, 552-6	50.4	55
193	KDM5 histone demethylases repress immune response via suppression of STING. <i>PLoS Biology</i> , <b>2018</b> , 16, e2006134	9.7	54
192	Effector T17 Cells Give Rise to Long-Lived T Cells that Are Essential for an Immediate Response against Bacterial Infection. <i>Cell</i> , <b>2019</b> , 178, 1176-1188.e15	56.2	54
191	Commensal Microbiota Modulation of Natural Resistance to Virus Infection. <i>Cell</i> , <b>2020</b> , 183, 1312-1324.e10	50.2	54
190	COVID-19 vaccines: Keeping pace with SARS-CoV-2 variants. <i>Cell</i> , <b>2021</b> , 184, 5077-5081	56.2	54
189	Adaptor protein-3 in dendritic cells facilitates phagosomal toll-like receptor signaling and antigen presentation to CD4(+) T cells. <i>Immunity</i> , <b>2012</b> , 36, 782-94	32.3	53
188	CD301b+ dendritic cells stimulate tissue-resident memory CD8+ T cells to protect against genital HSV-2. <i>Nature Communications</i> , <b>2016</b> , 7, 13346	17.4	52
187	Ketogenic diet activates protective T cell responses against influenza virus infection. <i>Science Immunology</i> , <b>2019</b> , 4,	28	51
186	Cholera toxin inhibits IL-12 production and CD8alpha+ dendritic cell differentiation by cAMP-mediated inhibition of IRF8 function. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 1227-35	16.6	51
185	Analytical sensitivity and efficiency comparisons of SARS-COV-2 qRT-PCR primer-probe sets		51
184	Peyer's patch dendritic cells as regulators of mucosal adaptive immunity. <i>Cellular and Molecular Life Sciences</i> , <b>2005</b> , 62, 1333-8	10.3	49
183	Alternative capture of noncoding RNAs or protein-coding genes by herpesviruses to alter host T cell function. <i>Molecular Cell</i> , <b>2014</b> , 54, 67-79	17.6	48
182	Topical application of aminoglycoside antibiotics enhances host resistance to viral infections in a microbiota-independent manner. <i>Nature Microbiology</i> , <b>2018</b> , 3, 611-621	26.6	46
181	Epigenetic reprogramming of the type III interferon response potentiates antiviral activity and suppresses tumor growth. <i>PLoS Biology</i> , <b>2014</b> , 12, e1001758	9.7	46
180	Unique features of antiviral immune system of the vaginal mucosa. <i>Current Opinion in Immunology</i> , <b>2012</b> , 24, 411-6	7.8	46
179	Autophagy in the control and pathogenesis of viral infection. <i>Current Opinion in Virology</i> , <b>2011</b> , 1, 196-203	3.5	46
178	Migrant memory B cells secrete luminal antibody in the vagina. <i>Nature</i> , <b>2019</b> , 571, 122-126	50.4	44



177	The interaction between IKK $\beta$ and LC3 promotes type I interferon production through the TLR9-containing LAPosome. <i>Science Signaling</i> , <b>2018</b> , 11,	8.8	44
176	A crucial role for plasmacytoid dendritic cells in antiviral protection by CpG ODN-based vaginal microbicide. <i>Journal of Clinical Investigation</i> , <b>2006</b> , 116, 2237-43	15.9	44
175	Why and How Vaccines Work. <i>Cell</i> , <b>2020</b> , 183, 290-295	56.2	44
174	The Lupus Susceptibility Locus Sgp3 Encodes the Suppressor of Endogenous Retrovirus Expression SNERV. <i>Immunity</i> , <b>2019</b> , 50, 334-347.e9	32.3	43
173	Maternal respiratory SARS-CoV-2 infection in pregnancy is associated with a robust inflammatory response at the maternal-fetal interface. <i>Med</i> , <b>2021</b> , 2, 591-610.e10	31.7	43
172	SalivaDirect: A simplified and flexible platform to enhance SARS-CoV-2 testing capacity		42
171	Sex differences in immune responses. <i>Science</i> , <b>2021</b> , 371, 347-348	33.3	42
170	mA Modification Prevents Formation of Endogenous Double-Stranded RNAs and Deleterious Innate Immune Responses during Hematopoietic Development. <i>Immunity</i> , <b>2020</b> , 52, 1007-1021.e8	32.3	41
169	Critical role of CD4 T cells and IFN $\beta$ signaling in antibody-mediated resistance to Zika virus infection. <i>Nature Communications</i> , <b>2018</b> , 9, 3136	17.4	41
168	Saliva viral load is a dynamic unifying correlate of COVID-19 severity and mortality <b>2021</b> ,		41
167	Adaptive immune determinants of viral clearance and protection in mouse models of SARS-CoV-2. <i>Science Immunology</i> , <b>2021</b> , 6, eabl4509	28	40
166	Single-cell longitudinal analysis of SARS-CoV-2 infection in human airway epithelium <b>2020</b> ,		39
165	Investigate the origins of COVID-19. <i>Science</i> , <b>2021</b> , 372, 694	33.3	39
164	Divergent and self-reactive immune responses in the CNS of COVID-19 patients with neurological symptoms. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100288	18	39
163	Simply saliva: stability of SARS-CoV-2 detection negates the need for expensive collection devices <b>2020</b> ,		38
162	The immunology and immunopathology of COVID-19.. <i>Science</i> , <b>2022</b> , 375, 1122-1127	33.3	38
161	Viral Spread to Enteric Neurons Links Genital HSV-1 Infection to Toxic Megacolon and Lethality. <i>Cell Host and Microbe</i> , <b>2016</b> , 19, 788-99	23.4	37
160	An Antiviral Branch of the IL-1 Signaling Pathway Restricts Immune-Evasive Virus Replication. <i>Molecular Cell</i> , <b>2018</b> , 71, 825-840.e6	17.6	36

159	Generating protective immunity against genital herpes. <i>Trends in Immunology</i> , <b>2013</b> , 34, 487-94	14.4	35
158	Regulation of immature dendritic cell migration by RhoA guanine nucleotide exchange factor Arhgef5. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 28599-606	5.4	35
157	Sex differences in immune responses to SARS-CoV-2 that underlie disease outcomes <b>2020</b> ,		35
156	Fetal Growth Restriction Caused by Sexual Transmission of Zika Virus in Mice. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 215, 1720-1724	7	34
155	Type I IFN Is Necessary and Sufficient for Inflammation-Induced Red Blood Cell Alloimmunization in Mice. <i>Journal of Immunology</i> , <b>2017</b> , 199, 1041-1050	5.3	34
154	Immune Regulation of Antibody Access to Neuronal Tissues. <i>Trends in Molecular Medicine</i> , <b>2017</b> , 23, 227-245	24.5	33
153	Contributions of maternal and fetal antiviral immunity in congenital disease. <i>Science</i> , <b>2020</b> , 368, 608-612	33.3	33
152	Innate sensors of influenza virus: clues to developing better intranasal vaccines. <i>Expert Review of Vaccines</i> , <b>2008</b> , 7, 1435-45	5.2	33
151	Involvement of dendritic cell subsets in the induction of oral tolerance and immunity. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1029, 60-5	6.5	33
150	A new shield for a cytokine storm. <i>Cell</i> , <b>2011</b> , 146, 861-2	56.2	32
149	AXL receptor tyrosine kinase is required for T cell priming and antiviral immunity. <i>ELife</i> , <b>2016</b> , 5,	8.9	32
148	Kinetics of antibody responses dictate COVID-19 outcome <b>2020</b> ,		31
147	Autophagy and selective deployment of Atg proteins in antiviral defense. <i>International Immunology</i> , <b>2013</b> , 25, 1-10	4.9	30
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60	A stem-loop RNA RIG-I agonist confers prophylactic and therapeutic protection against acute and chronic SARS-CoV-2 infection in mice <b>2021</b> ,		5
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41	Antibody against envelope protein from human endogenous retrovirus activates neutrophils in systemic lupus erythematosus		2
40	Case Study: Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient <b>2021</b> ,		2
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32	Multiscale PHATE Exploration of SARS-CoV-2 Data Reveals Multimodal Signatures of Disease		1
31	Microbiota-independent antiviral protection conferred by aminoglycoside antibiotics		1
30	Human APOBEC3G prevents emergence of infectious endogenous retrovirus in mice		1
29	A humanized mouse model of chronic COVID-19 to evaluate disease mechanisms and treatment options <b>2021</b> ,		1
28	PD-1 <sup>high</sup> CXCR5 <sup>int</sup> CD4 <sup>+</sup> Peripheral Helper T (Tph) cells Promote Tissue-Homing Plasmablasts in COVID-19		1
27	Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient <b>2021</b> ,		1
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1	301. Detection of Pneumococcal Pneumonia During SARS-CoV-2 Infection. <i>Open Forum Infectious Diseases</i> , <b>2021</b> , 8, S257-S257	1