

# IFI16 DNA Sensor Is Required for Death of Lymphoid Cells

Science

343, 428-432

DOI: [10.1126/science.1243640](https://doi.org/10.1126/science.1243640)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Role of MicroRNA Modulation in the Interferon- $\lambda$ /Ribavirin Suppression of HIV-1 In Vivo. PLoS ONE, 2014, 9, e109220.	1.1	7
2	Expression of the IL-7 Receptor Alpha-Chain Is Down Regulated on the Surface of CD4 T-Cells by the HIV-1 Tat Protein. PLoS ONE, 2014, 9, e111193.	1.1	3
3	Safeguard against DNA sensing: the role of TREX1 in HIV-1 infection and autoimmune diseases. Frontiers in Microbiology, 2014, 5, 193.	1.5	23
4	HIV-1 Treated Patients with Undetectable Viral Loads have Lower Levels of Innate Immune Responses via Cytosolic DNA Sensing Systems Compared with Healthy Uninfected Controls. Journal of AIDS & Clinical Research, 2014, 05, .	0.5	5
5	Innate Nuclear Sensor IFI16 Translocates into the Cytoplasm during the Early Stage of <i>In Vitro</i> Human Cytomegalovirus Infection and Is Entrapped in the Egressing Virions during the Late Stage. Journal of Virology, 2014, 88, 6970-6982.	1.5	92
7	Polymorphism in IFI16 affects CD4+T-cell counts in HIV-1 infection. International Journal of Immunogenetics, 2014, 41, 518-520.	0.8	15
8	HIV and HCV Activate the Inflammasome in Monocytes and Macrophages via Endosomal Toll-Like Receptors without Induction of Type 1 Interferon. PLoS Pathogens, 2014, 10, e1004082.	2.1	159
9	Highly Active Antiretroviral Therapies Are Effective against HIV-1 Cell-to-Cell Transmission. PLoS Pathogens, 2014, 10, e1003982.	2.1	86
10	A Quantitative Comparison of Anti-HIV Gene Therapy Delivered to Hematopoietic Stem Cells versus CD4+ T Cells. PLoS Computational Biology, 2014, 10, e1003681.	1.5	15
11	IFI16 Restricts HSV-1 Replication by Accumulating on the HSV-1 Genome, Repressing HSV-1 Gene Expression, and Directly or Indirectly Modulating Histone Modifications. PLoS Pathogens, 2014, 10, e1004503.	2.1	128
12	Protection Versus Pathology in Aviremic and High Viral Load HIV-2 Infection—The Pivotal Role of Immune Activation and T-cell Kinetics. Journal of Infectious Diseases, 2014, 210, 752-761.	1.9	15
13	Immunity to HIV in Early Life. Frontiers in Immunology, 2014, 5, 391.	2.2	70
14	Human herpesviruses-encoded dUTPases: a family of proteins that modulate dendritic cell function and innate immunity. Frontiers in Microbiology, 2014, 5, 504.	1.5	30
15	Innate DNA sensing is impaired in HIV patients and IFI16 expression correlates with chronic immune activation. Clinical and Experimental Immunology, 2014, 177, 295-309.	1.1	31
16	Intracellular sensing of viral DNA by the innate immune system. Microbes and Infection, 2014, 16, 1002-1012.	1.0	26
17	Efficient delivery of lentiviral vectors into resting human CD4 T cells. Gene Therapy, 2014, 21, 444-449.	2.3	26
18	Interferon $\lambda$ -inducible Protein (IFI) 16 Transcriptionally Regulates Type I Interferons and Other Interferon-stimulated Genes and Controls the Interferon Response to both DNA and RNA Viruses. Journal of Biological Chemistry, 2014, 289, 23568-23581.	1.6	106
19	How SLX4 cuts through the mystery of HIV-1 Vpr-mediated cell cycle arrest. Retrovirology, 2014, 11, 117.	0.9	11

#	ARTICLE	IF	CITATIONS
20	HIV life cycle, innate immunity and autophagy in the central nervous system. <i>Current Opinion in HIV and AIDS</i> , 2014, 9, 565-571.	1.5	12
21	Human Immunodeficiency Virus-1 (HIV-1)-Mediated Apoptosis: New Therapeutic Targets. <i>Viruses</i> , 2014, 6, 3181-3227.	1.5	29
23	Microbial exposure alters HIV-1-induced mucosal CD4+ T cell death pathways Ex vivo. <i>Retrovirology</i> , 2014, 11, 14.	0.9	52
24	The enemy within: endogenous retroelements and autoimmune disease. <i>Nature Immunology</i> , 2014, 15, 415-422.	7.0	248
25	The cGAS-cGAMP-STING Pathway of Cytosolic DNA Sensing and Signaling. <i>Molecular Cell</i> , 2014, 54, 289-296.	4.5	760
26	Extracellular histones in tissue injury and inflammation. <i>Journal of Molecular Medicine</i> , 2014, 92, 465-472.	1.7	242
27	Cell death by pyroptosis drives CD4 T-cell depletion in HIV-1 infection. <i>Nature</i> , 2014, 505, 509-514.	13.7	931
28	Not-so-innocent bystanders. <i>Nature</i> , 2014, 505, 492-493.	13.7	19
29	The Fiery Side of HIV-1 Induced T Cell Death. <i>Science</i> , 2014, 343, 383-384.	6.0	10
30	HIV-1 adds fuel to the fire. <i>Nature Reviews Microbiology</i> , 2014, 12, 74-75.	13.6	0
31	Efficient Ablation of Genes in Human Hematopoietic Stem and Effector Cells using CRISPR/Cas9. <i>Cell Stem Cell</i> , 2014, 15, 643-652.	5.2	406
32	IFI16: At the interphase between innate DNA sensing and genome regulation. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 649-655.	3.2	51
33	The death of HIV long-term non-progression?. <i>Lancet HIV</i> , 2014, 1, e8-e9.	2.1	0
34	Inflammasomes. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a016287-a016287.	2.3	286
35	Cytoplasmic HIV-RNA in monocytes determines microglial activation and neuronal cell death in HIV-associated neurodegeneration. <i>Experimental Neurology</i> , 2014, 261, 685-697.	2.0	17
36	Regulated cell death and inflammation: an auto-amplification loop causes organ failure. <i>Nature Reviews Immunology</i> , 2014, 14, 759-767.	10.6	404
37	Cellular Sensing of Viral DNA and Viral Evasion Mechanisms. <i>Annual Review of Microbiology</i> , 2014, 68, 477-492.	2.9	103
38	The Innate Immune Response to HIV-1: To Sense or Not to Sense. <i>DNA and Cell Biology</i> , 2014, 33, 271-274.	0.9	16

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39	Interactions between HIV-1 and the Cell-Autonomous Innate Immune System. <i>Cell Host and Microbe</i> , 2014, 16, 10-18.	5.1	55
40	Roles of HIV-1 capsid in viral replication and immune evasion. <i>Virus Research</i> , 2014, 193, 116-129.	1.1	49
41	Keeping your armour intact: How HIV-1 evades detection by the innate immune system. <i>BioEssays</i> , 2014, 36, 649-657.	1.2	1
42	Making sense of how HIV kills infected CD4 T cells: implications for HIV cure. <i>Molecular and Cellular Therapies</i> , 2014, 2, 20.	0.2	22
43	Unmasking immune sensing of retroviruses: Interplay between innate sensors and host effectors. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 657-668.	3.2	39
44	Hypertrophic Adenoid Is a Major Infection Site of Human Bocavirus 1. <i>Journal of Clinical Microbiology</i> , 2014, 52, 3030-3037.	1.8	21
45	The emerging role of human PYHIN proteins in innate immunity: Implications for health and disease. <i>Biochemical Pharmacology</i> , 2014, 92, 405-414.	2.0	71
46	Nucleic acid sensing by T cells initiates Th2 cell differentiation. <i>Nature Communications</i> , 2014, 5, 3566.	5.8	36
47	Intracellular immunity: finding the enemy within—how cells recognize and respond to intracellular pathogens. <i>Journal of Leukocyte Biology</i> , 2014, 96, 233-244.	1.5	34
48	DNA damage repair machinery and HIV escape from innate immune sensing. <i>Frontiers in Microbiology</i> , 2014, 5, 176.	1.5	41
49	Host Factors in Retroviral Integration and the Selection of Integration Target Sites. <i>Microbiology Spectrum</i> , 2014, 2, .	1.2	40
50	Knockdown of $\beta$ expression in Mart <sup>1</sup> -specific T cell receptor-engineered human CD <sup>4</sup> <sup>+</sup> CD <sup>25</sup> <sup>+</sup> and CD <sup>8</sup> <sup>+</sup> T cells attenuates effector function. <i>Immunology</i> , 2015, 145, 124-135.	2.0	2
51	The Role of Cell Death in the Pathogenesis of SLE: Is Pyroptosis the Missing Link?. <i>Scandinavian Journal of Immunology</i> , 2015, 82, 218-224.	1.3	65
52	Gene activity in primary T cells infected with HIV89.6: intron retention and induction of genomic repeats. <i>Retrovirology</i> , 2015, 12, 79.	0.9	40
53	Fight or flight. <i>Current Opinion in Hematology</i> , 2015, 22, 293-301.	1.2	29
54	Misdelivery at the Nuclear Pore Complex—Stopping a Virus Dead in Its Tracks. <i>Cells</i> , 2015, 4, 277-296.	1.8	38
55	Purinergic Receptors: Key Mediators of HIV-1 Infection and Inflammation. <i>Frontiers in Immunology</i> , 2015, 6, 585.	2.2	27
56	Cerebrospinal fluid analysis in the HIV infection and compartmentalization of HIV in the central nervous system. <i>Arquivos De Neuro-Psiquiatria</i> , 2015, 73, 624-629.	0.3	10

#	ARTICLE	IF	CITATIONS
57	Potent Cell-Intrinsic Immune Responses in Dendritic Cells Facilitate HIV-1-Specific T Cell Immunity in HIV-1 Elite Controllers. <i>PLoS Pathogens</i> , 2015, 11, e1004930.	2.1	77
58	The innate immune sensor IFI16 recognizes foreign DNA in the nucleus by scanning along the duplex. <i>ELife</i> , 2015, 4, e11721.	2.8	69
59	HIV-1 Env and Nef Cooperatively Contribute to Plasmacytoid Dendritic Cell Activation via CD4-Dependent Mechanisms. <i>Journal of Virology</i> , 2015, 89, 7604-7611.	1.5	11
60	International Union of Basic and Clinical Pharmacology. XCVI. Pattern Recognition Receptors in Health and Disease. <i>Pharmacological Reviews</i> , 2015, 67, 462-504.	7.1	41
61	Autophagy and HIV Infection. , 2015, , 1-7.		0
62	Identification of potential HIV restriction factors by combining evolutionary genomic signatures with functional analyses. <i>Retrovirology</i> , 2015, 12, 41.	0.9	78
63	The inflammasome and IL-1 $\beta$ : implications for the treatment of inflammatory diseases. <i>Immunotherapy</i> , 2015, 7, 243-254.	1.0	58
64	The Emerging Role of Nuclear Viral DNA Sensors. <i>Journal of Biological Chemistry</i> , 2015, 290, 26412-26421.	1.6	66
65	Single-Molecule Imaging at High Fluorophore Concentrations by Local Activation of Dye. <i>Biophysical Journal</i> , 2015, 108, 949-956.	0.2	14
66	Type I IFN "A blunt spear in fighting HIV-1 infection. <i>Cytokine and Growth Factor Reviews</i> , 2015, 26, 143-158.	3.2	22
67	Type I Interferon: Understanding Its Role in HIV Pathogenesis and Therapy. <i>Current HIV/AIDS Reports</i> , 2015, 12, 41-53.	1.1	90
68	Innate immune sensing of HIV infection. <i>Current Opinion in Immunology</i> , 2015, 32, 54-60.	2.4	35
69	Defining CD4 T Cell Memory by the Epigenetic Landscape of CpG DNA Methylation. <i>Journal of Immunology</i> , 2015, 194, 1565-1579.	0.4	59
70	An Interleukin-1 Beta-Encoding Retrovirus Exhibits Enhanced Replication <i>In Vivo</i> . <i>Journal of Virology</i> , 2015, 89, 155-164.	1.5	9
71	Innate Immune Pattern Recognition: A Cell Biological Perspective. <i>Annual Review of Immunology</i> , 2015, 33, 257-290.	9.5	1,133
72	Viral and cellular mechanisms of the innate immune sensing of HIV. <i>Current Opinion in Virology</i> , 2015, 11, 55-62.	2.6	20
73	Sex and Gender Differences in Infection and Treatments for Infectious Diseases. , 2015, , .		11
74	Assembly-driven activation of the AIM2 foreign-dsDNA sensor provides a polymerization template for downstream ASC. <i>Nature Communications</i> , 2015, 6, 7827.	5.8	126

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75	HIV-1 and interferons: who's interfering with whom?. <i>Nature Reviews Microbiology</i> , 2015, 13, 403-413.	13.6	251
76	The nucleic acid-sensing inflammasomes. <i>Immunological Reviews</i> , 2015, 265, 103-111.	2.8	63
77	Regulated necrosis and its implications in toxicology. <i>Toxicology</i> , 2015, 333, 118-126.	2.0	40
78	Pyroptotic cell death defends against intracellular pathogens. <i>Immunological Reviews</i> , 2015, 265, 130-142.	2.8	771
79	Innate immunity against HIV-1 infection. <i>Nature Immunology</i> , 2015, 16, 554-562.	7.0	179
80	Inflammasome control of viral infection. <i>Current Opinion in Virology</i> , 2015, 12, 38-46.	2.6	136
81	Activation and Regulation of DNA-Driven Immune Responses. <i>Microbiology and Molecular Biology Reviews</i> , 2015, 79, 225-241.	2.9	100
82	Molecular crosstalk between apoptosis, necroptosis, and survival signaling. <i>Molecular and Cellular Oncology</i> , 2015, 2, e975093.	0.3	142
83	Evolutionary genomics and HIV restriction factors. <i>Current Opinion in HIV and AIDS</i> , 2015, 10, 79-83.	1.5	13
84	Innate immune sensing of HIV-1 infection. <i>Current Opinion in HIV and AIDS</i> , 2015, 10, 96-102.	1.5	33
85	Cellular Innate Immunity and Restriction of Viral Infection: Implications for Lentiviral Gene Therapy in Human Hematopoietic Cells. <i>Human Gene Therapy</i> , 2015, 26, 201-209.	1.4	30
86	Nuclear sensing of viral DNA, epigenetic regulation of herpes simplex virus infection, and innate immunity. <i>Virology</i> , 2015, 479-480, 153-159.	1.1	76
87	HIV cell-to-cell transmission: effects on pathogenesis and antiretroviral therapy. <i>Trends in Microbiology</i> , 2015, 23, 289-295.	3.5	89
88	The Triple Threat of HIV-1 Protease Inhibitors. <i>Current Topics in Microbiology and Immunology</i> , 2015, 389, 203-241.	0.7	11
89	Nucleic Acid Recognition Orchestrates the Anti-Viral Response to Retroviruses. <i>Cell Host and Microbe</i> , 2015, 17, 478-488.	5.1	63
90	Innate immune recognition of DNA: A recent history. <i>Virology</i> , 2015, 479-480, 146-152.	1.1	197
91	The therapeutic application of CRISPR/Cas9 technologies for HIV. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 819-830.	1.4	66
92	Vpr Enhances Tumor Necrosis Factor Production by HIV-1-Infected T Cells. <i>Journal of Virology</i> , 2015, 89, 12118-12130.	1.5	20

#	ARTICLE	IF	CITATIONS
93	Human cytomegalovirus induces a distinct innate immune response in the maternal-fetal interface. <i>Virology</i> , 2015, 485, 289-296.	1.1	29
94	Impact of HIV infection and smoking on lung immunity and related disorders. <i>European Respiratory Journal</i> , 2015, 46, 1781-1795.	3.1	36
95	Cell Surface Proteomic Map of HIV Infection Reveals Antagonism of Amino Acid Metabolism by Vpu and Nef. <i>Cell Host and Microbe</i> , 2015, 18, 409-423.	5.1	158
96	Blood-Derived CD4 <sup>+</sup> T Cells Naturally Resist Pyroptosis during Abortive HIV-1 Infection. <i>Cell Host and Microbe</i> , 2015, 18, 463-470.	5.1	94
97	Syncytial apoptosis signaling network induced by the HIV-1 envelope glycoprotein complex: an overview. <i>Cell Death and Disease</i> , 2015, 6, e1846-e1846.	2.7	24
98	Cell-to-Cell Transmission of HIV-1 Is Required to Trigger Pyroptotic Death of Lymphoid-Tissue-Derived CD4 <sup>+</sup> T Cells. <i>Cell Reports</i> , 2015, 12, 1555-1563.	2.9	135
99	Functions of DNA damage machinery in the innate immune response to DNA virus infection. <i>Current Opinion in Virology</i> , 2015, 15, 56-62.	2.6	18
100	HIV-1 protease cleaves the serine-threonine kinases RIPK1 and RIPK2. <i>Retrovirology</i> , 2015, 12, 74.	0.9	29
101	The roles of interferon-inducible p200 family members IFI16 and p204 in innate immune responses, cell differentiation and proliferation. <i>Genes and Diseases</i> , 2015, 2, 46-56.	1.5	32
102	Inflammasome-Independent Regulation of IL-1-Family Cytokines. <i>Annual Review of Immunology</i> , 2015, 33, 49-77.	9.5	275
103	Understanding HIV infection for the design of a therapeutic vaccine. Part I: Epidemiology and pathogenesis of HIV infection. <i>Annales Pharmaceutiques Francaises</i> , 2015, 73, 87-99.	0.4	13
104	Roles of autophagy in HIV infection. <i>Immunology and Cell Biology</i> , 2015, 93, 11-17.	1.0	57
105	TLR7 induces anergy in human CD4 <sup>+</sup> T cells. <i>Nature Immunology</i> , 2015, 16, 118-128.	7.0	94
106	Cytomegalovirus Upregulates Expression of CCR5 in Central Memory Cord Blood Mononuclear Cells, Which May Facilitate In Utero HIV Type 1 Transmission. <i>Journal of Infectious Diseases</i> , 2015, 211, 187-196.	1.9	33
108	BERRY EXTRACTS IMPROVED INFLAMMATORY CYTOKINES, ANTIOXIDANT ENZYME AND SUPPRESSED THE GENE EXPRESSION ALTERATIONS IN DIABETIC RATS. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 2016, 8, 294.	0.3	5
109	Novel Anti-Retroviral Drug Targets: Interfering siRNA and Mitochondrial TERT Expression. , 2016, 05, .		2
110	The Early Bird Catches the Worm - Can Evolution Teach us Lessons in Fighting HIV?. <i>Current HIV Research</i> , 2016, 14, 183-210.	0.2	5
111	Stress Beyond Translation: Poxviruses and More. <i>Viruses</i> , 2016, 8, 169.	1.5	22

#	ARTICLE	IF	CITATIONS
112	Cytoplasm-Translocated Ku70/80 Complex Sensing of HBV DNA Induces Hepatitis-Associated Chemokine Secretion. <i>Frontiers in Immunology</i> , 2016, 7, 569.	2.2	29
113	IFI16 Preferentially Binds to DNA with Quadruplex Structure and Enhances DNA Quadruplex Formation. <i>PLoS ONE</i> , 2016, 11, e0157156.	1.1	30
114	HIV infection-induced transcriptional program in renal tubular epithelial cells activates a CXCR2-driven CD4+ T-cell chemotactic response. <i>Aids</i> , 2016, 30, 1877-1888.	1.0	8
115	Residual inflammation and viral reservoirs. <i>Current Opinion in HIV and AIDS</i> , 2016, 11, 234-241.	1.5	107
116	HIV replication. <i>Current Opinion in HIV and AIDS</i> , 2016, 11, 173-181.	1.5	26
117	Immune activation and paediatric HIV-1 disease outcome. <i>Current Opinion in HIV and AIDS</i> , 2016, 11, 146-155.	1.5	39
118	Kynurenine Reduces Memory CD4 T-Cell Survival by Interfering with Interleukin-2 Signaling Early during HIV-1 Infection. <i>Journal of Virology</i> , 2016, 90, 7967-7979.	1.5	45
119	The Latent Reservoir for HIV-1: How Immunologic Memory and Clonal Expansion Contribute to HIV-1 Persistence. <i>Journal of Immunology</i> , 2016, 197, 407-417.	0.4	121
120	HIV-1 Infection-Induced Suppression of the Let-7i/IL-2 Axis Contributes to CD4+ T Cell Death. <i>Scientific Reports</i> , 2016, 6, 25341.	1.6	14
121	A Versatile Multiple Target Detection System Based on DNA Nano-assembled Linear FRET Arrays. <i>Scientific Reports</i> , 2016, 6, 26879.	1.6	18
122	Insufficient natural killer cell responses against retroviruses: how to improve NK cell killing of retrovirus-infected cells. <i>Retrovirology</i> , 2016, 13, 77.	0.9	15
123	HIV “ The Cell Biology of Virus Infection and Replication. , 2016, , 828-838.		1
124	Key Data from the <i>17th International Workshop on Co-morbidities and Adverse Drug Reactions in HIV</i>. <i>Antiviral Therapy</i> , 2016, 21, 75-89.	0.6	5
125	The Immune Interaction between HIV-1 Infection and Mycobacterium tuberculosis. <i>Microbiology Spectrum</i> , 2016, 4, .	1.2	16
126	Interferons and inflammasomes: Cooperation and counterregulation in disease. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 37-46.	1.5	68
127	Inflammasomes as polyvalent cell death platforms. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2335-2347.	2.4	52
128	Filament assemblies in foreign nucleic acid sensors. <i>Current Opinion in Structural Biology</i> , 2016, 37, 134-144.	2.6	54
129	DNA-sensing inflammasomes: regulation of bacterial host defense and the gut microbiota. <i>Pathogens and Disease</i> , 2016, 74, ftw028.	0.8	37



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130	CCR5 interaction with HIV-1 Env contributes to Env-induced depletion of CD4 T cells in vitro and in vivo. <i>Retrovirology</i> , 2016, 13, 22.	0.9	13
131	Inflammasome Complexes: Emerging Mechanisms and Effector Functions. <i>Cell</i> , 2016, 165, 792-800.	13.5	761
132	Small CD4 Mimetics Prevent HIV-1 Uninfected Bystander CD4 + T Cell Killing Mediated by Antibody-dependent Cell-mediated Cytotoxicity. <i>EBioMedicine</i> , 2016, 3, 122-134.	2.7	67
133	Integrating Inflammasome Signaling in Sexually Transmitted Infections. <i>Trends in Immunology</i> , 2016, 37, 703-714.	2.9	20
134	DNA sensor cGAS-mediated immune recognition. <i>Protein and Cell</i> , 2016, 7, 777-791.	4.8	103
135	Cell-to-Cell Spread of HIV and Viral Pathogenesis. <i>Advances in Virus Research</i> , 2016, 95, 43-85.	0.9	26
136	HIV Triggers a cGAS-Dependent, Vpu- and Vpr-Regulated Type I Interferon Response in CD4 + T Cells. <i>Cell Reports</i> , 2016, 17, 413-424.	2.9	64
137	The AIM2-like Receptors Are Dispensable for the Interferon Response to Intracellular DNA. <i>Immunity</i> , 2016, 45, 255-266.	6.6	156
138	Viruses and the Diversity of Cell Death. <i>Annual Review of Virology</i> , 2016, 3, 533-553.	3.0	110
139	The sooner the better: innate immunity as a path toward the HIV cure. <i>Current Opinion in Virology</i> , 2016, 19, 85-91.	2.6	8
140	Long-term HIV-1 infection induces an antiviral state in primary macrophages. <i>Antiviral Research</i> , 2016, 133, 145-155.	1.9	14
141	AIM2 inflammasome is activated by pharmacological disruption of nuclear envelope integrity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4671-80.	3.3	106
142	Total HIV-1 DNA, a Marker of Viral Reservoir Dynamics with Clinical Implications. <i>Clinical Microbiology Reviews</i> , 2016, 29, 859-880.	5.7	185
143	Discriminating self from non-self in nucleic acid sensing. <i>Nature Reviews Immunology</i> , 2016, 16, 566-580.	10.6	438
144	TREX1 Knockdown Induces an Interferon Response to HIV that Delays Viral Infection in Humanized Mice. <i>Cell Reports</i> , 2016, 15, 1715-1727.	2.9	30
145	The expanding regulatory network of STING-mediated signaling. <i>Current Opinion in Microbiology</i> , 2016, 32, 144-150.	2.3	12
146	Fate of HIV-1 cDNA intermediates during reverse transcription is dictated by transcription initiation site of virus genomic RNA. <i>Scientific Reports</i> , 2016, 5, 17680.	1.6	46
147	Friend or Foe: Innate Sensing of HIV in the Female Reproductive Tract. <i>Current HIV/AIDS Reports</i> , 2016, 13, 53-63.	1.1	5

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148	Cytosolic DNA Sensor Upregulation Accompanies DNA Electrotransfer in B16.F10 Melanoma Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e322.	2.3	42
149	Proteome and Protein Network Analyses of Memory T Cells Find Altered Translation and Cell Stress Signaling in Treated Human Immunodeficiency Virus Patients Exhibiting Poor CD4 Recovery. <i>Open Forum Infectious Diseases</i> , 2016, 3, ofw037.	0.4	11
150	Guidelines for risk reduction when handling gametes from infectious patients seeking assisted reproductive technologies. <i>Reproductive BioMedicine Online</i> , 2016, 33, 121-130.	1.1	24
151	Inflammasomes: mechanism of assembly, regulation and signalling. <i>Nature Reviews Immunology</i> , 2016, 16, 407-420.	10.6	2,353
152	Imbalanced production of IL-18 and its antagonist in human diseases, and its implications for HIV-1 infection. <i>Cytokine</i> , 2016, 82, 38-51.	1.4	31
153	Sensing of HIV-1 Infection in Tzm-bl Cells with Reconstituted Expression of STING. <i>Journal of Virology</i> , 2016, 90, 2064-2076.	1.5	29
154	Dendritic Cells Enhance HIV Infection of Memory CD4 <sup>+</sup> T Cells in Human Lymphoid Tissues. <i>AIDS Research and Human Retroviruses</i> , 2016, 32, 203-210.	0.5	17
155	Prime, Shock, and Kill: Priming CD4 T Cells from HIV Patients with a BCL-2 Antagonist before HIV Reactivation Reduces HIV Reservoir Size. <i>Journal of Virology</i> , 2016, 90, 4032-4048.	1.5	85
156	Dasatinib inhibits HIV-1 replication through the interference of SAMHD1 phosphorylation in CD4 <sup>+</sup> T cells. <i>Biochemical Pharmacology</i> , 2016, 106, 30-45.	2.0	50
158	Dissecting How CD4 <sup>+</sup> T Cells Are Lost During HIV Infection. <i>Cell Host and Microbe</i> , 2016, 19, 280-291.	5.1	182
159	HIV-1 Vpr- and Reverse Transcription-Induced Apoptosis in Resting Peripheral Blood CD4 T Cells and Protection by Common Gamma-Chain Cytokines. <i>Journal of Virology</i> , 2016, 90, 904-916.	1.5	19
160	Burn the house, save the day: pyroptosis in pathogen restriction. <i>Inflammasome</i> , 2016, 2, 1-6.	0.6	8
161	APOE*E2 allele delays age of onset in PSEN1 E280A Alzheimer's disease. <i>Molecular Psychiatry</i> , 2016, 21, 916-924.	4.1	89
162	Viral DNA-Dependent Induction of Innate Immune Response to Hepatitis B Virus in Immortalized Mouse Hepatocytes. <i>Journal of Virology</i> , 2016, 90, 486-496.	1.5	38
163	Viral evasion of DNA-stimulated innate immune responses. <i>Cellular and Molecular Immunology</i> , 2017, 14, 4-13.	4.8	72
164	Post-translational regulation of inflammasomes. <i>Cellular and Molecular Immunology</i> , 2017, 14, 65-79.	4.8	155
165	Programmed cell death as a defence against infection. <i>Nature Reviews Immunology</i> , 2017, 17, 151-164.	10.6	752
166	Role of autophagy in HIV infection and pathogenesis. <i>Journal of Internal Medicine</i> , 2017, 281, 422-432.	2.7	54

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167	Rationale for stimulator of interferon genesâ€‘targeted cancer immunotherapy. <i>European Journal of Cancer</i> , 2017, 75, 86-97.	1.3	47
168	Different Expression of Interferon-Stimulated Genes in Response to HIV-1 Infection in Dendritic Cells Based on Their Maturation State. <i>Journal of Virology</i> , 2017, 91, .	1.5	6
169	Simian Immunodeficiency Virus Targeting of CXCR3 + CD4 + T Cells in Secondary Lymphoid Organs Is Associated with Robust CXCL10 Expression in Monocyte/Macrophage Subsets. <i>Journal of Virology</i> , 2017, 91, .	1.5	4
170	Roles of <scp>SAMHD1</scp> in antiviral defense, autoimmunity and cancer. <i>Reviews in Medical Virology</i> , 2017, 27, e1931.	3.9	33
171	Molecular mechanisms and functions of pyroptosis, inflammatory caspases and inflammasomes in infectious diseases. <i>Immunological Reviews</i> , 2017, 277, 61-75.	2.8	1,104
172	Dying to protect: cell death and the control of Tâ€‘cell homeostasis. <i>Immunological Reviews</i> , 2017, 277, 21-43.	2.8	31
173	Posttranslational Modification as a Critical Determinant of Cytoplasmic Innate Immune Recognition. <i>Physiological Reviews</i> , 2017, 97, 1165-1209.	13.1	63
174	IFI16 reduced expression is correlated with unfavorable outcome in chronic lymphocytic leukemia. <i>Apmis</i> , 2017, 125, 511-522.	0.9	8
175	Proteolytic control of regulated necrosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 2147-2161.	1.9	11
176	Tyrosine kinase inhibitors: potential use and safety considerations in HIV-1 infection. <i>Expert Opinion on Drug Safety</i> , 2017, 16, 547-559.	1.0	12
177	Human Parvovirus Infection of Human Airway Epithelia Induces Pyroptotic Cell Death by Inhibiting Apoptosis. <i>Journal of Virology</i> , 2017, 91, .	1.5	33
178	Kaposi sarcoma herpesvirus pathogenesis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160275.	1.8	82
179	The PYHIN Protein p205 Regulates the Inflammasome by Controlling Asc Expression. <i>Journal of Immunology</i> , 2017, 199, 3249-3260.	0.4	14
180	Posttranslational Modification Control of Inflammatory Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1024, 37-61.	0.8	9
181	Caspases control antiviral innate immunity. <i>Cellular and Molecular Immunology</i> , 2017, 14, 736-747.	4.8	41
182	AIM2-Like Receptors Positively and Negatively Regulate the Interferon Response Induced by Cytosolic DNA. <i>MBio</i> , 2017, 8, .	1.8	49
183	Role of Innate Genes in HIV Replication. <i>Current Topics in Microbiology and Immunology</i> , 2017, 419, 69-111.	0.7	6
184	Virus-induced inflammasome activation is suppressed by prostaglandin D <sub>2</sub> /DP1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5444-E5453.	3.3	48

#	ARTICLE	IF	CITATIONS
185	Allosteric HIV-1 Integrase Inhibitors Lead to Premature Degradation of the Viral RNA Genome and Integrase in Target Cells. <i>Journal of Virology</i> , 2017, 91, .	1.5	30
186	Caspase-1 Activity in CD4 T Cells Is Downregulated Following Antiretroviral Therapy for HIV-1 Infection. <i>AIDS Research and Human Retroviruses</i> , 2017, 33, 164-171.	0.5	20
187	Molecular requirements for sensing of intracellular microbial nucleic acids by the innate immune system. <i>Cytokine</i> , 2017, 98, 4-14.	1.4	33
188	Current views on HIV-1 latency, persistence, and cure. <i>Folia Microbiologica</i> , 2017, 62, 73-87.	1.1	15
189	A Mechanistic Understanding of Pyroptosis: The Fiery Death Triggered by Invasive Infection. <i>Advances in Immunology</i> , 2017, 135, 81-117.	1.1	115
190	The Immune Interaction between HIV-1 Infection and <i>Mycobacterium tuberculosis</i> . , 2017, , 239-268.		1
191	Latent human cytomegalovirus enhances HIV-1 infection in CD34+ progenitor cells. <i>Blood Advances</i> , 2017, 1, 306-318.	2.5	14
192	Host and Viral Factors in HIV-Mediated Bystander Apoptosis. <i>Viruses</i> , 2017, 9, 237.	1.5	29
193	Systemic HIV-1 infection produces a unique glial footprint in humanized mouse brains. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1489-1502.	1.2	15
194	Are Evolution and the Intracellular Innate Immune System Key Determinants in HIV Transmission?. <i>Frontiers in Immunology</i> , 2017, 8, 1246.	2.2	28
195	Attenuation of c <sc>GAS</sc> â€•<sc>STING</sc> signaling is mediated by a p62/ <sc>SQSTM</sc> lâ€dependent autophagy pathway activated by TBK1. <i>EMBO Journal</i> , 2018, 37, .	3.5	283
196	p204 Is Required for Canonical Lipopolysaccharide-induced TLR4 Signaling in Mice. <i>EBioMedicine</i> , 2018, 29, 78-91.	2.7	22
197	RNA-Seq analysis of interferon inducible p204-mediated network in anti-tumor immunity. <i>Scientific Reports</i> , 2018, 8, 6495.	1.6	6
198	Caspase-1 Specific Light-Up Probe with Aggregation-Induced Emission Characteristics for Inhibitor Screening of Coumarin-Originated Natural Products. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12173-12180.	4.0	27
199	Immune Responses to Retroviruses. <i>Annual Review of Immunology</i> , 2018, 36, 193-220.	9.5	36
200	Getting the â€œKillâ€into â€œShock and Killâ€ Strategies to Eliminate Latent HIV. <i>Cell Host and Microbe</i> , 2018, 23, 14-26.	5.1	285
201	Reshaping of the Dendritic Cell Chromatin Landscape and Interferon Pathways during HIV Infection. <i>Cell Host and Microbe</i> , 2018, 23, 366-381.e9.	5.1	34
202	STING dependent sensing â€“ Does HIV actually care?. <i>Cytokine and Growth Factor Reviews</i> , 2018, 40, 68-76.	3.2	10

#	ARTICLE	IF	CITATIONS
203	Control of HIV infection by IFN- $\lambda$ : implications for latency and a cure. Cellular and Molecular Life Sciences, 2018, 75, 775-783.	2.4	17
204	How Inflammasomes Inform Adaptive Immunity. Journal of Molecular Biology, 2018, 430, 217-237.	2.0	145
205	Immunopathogenesis of HIV-1 Infection. , 2018, , 665-667.e2.		0
206	Pathogenesis of HIV-1 and Mycobacterium tuberculosis co-infection. Nature Reviews Microbiology, 2018, 16, 80-90.	13.6	227
207	Recent advances in inflammasome biology. Current Opinion in Immunology, 2018, 50, 32-38.	2.4	270
208	Evidence of inflammasome activation and formation of monocyte-derived ASC specks in HIV-1 positive patients. Aids, 2018, 32, 299-307.	1.0	33
210	Pattern Recognition Receptors and the Host Cell Death Molecular Machinery. Frontiers in Immunology, 2018, 9, 2379.	2.2	435
211	Innate Sensing of DNA Virus Genomes. Annual Review of Virology, 2018, 5, 341-362.	3.0	106
212	Sixteen diverse laboratory mouse reference genomes define strain-specific haplotypes and novel functional loci. Nature Genetics, 2018, 50, 1574-1583.	9.4	169
213	Modes of Chemically Induced Cell Death. , 2018, , 229-253.		1
214	Host Restriction Factors and Human Immunodeficiency Virus (HIV-1): A Dynamic Interplay Involving All Phases of the Viral Life Cycle. Current HIV Research, 2018, 16, 184-207.	0.2	18
215	Aging and the Inflammasomes. Experientia Supplementum (2012), 2018, 108, 303-320.	0.5	9
216	Cytosolic Recognition of Microbes and Pathogens: Inflammasomes in Action. Microbiology and Molecular Biology Reviews, 2018, 82, .	2.9	124
217	Induction of HIF-1 $\alpha$ by HIV-1 Infection in CD4 <sup>+</sup> T Cells Promotes Viral Replication and Drives Extracellular Vesicle-Mediated Inflammation. MBio, 2018, 9, .	1.8	68
218	CD16 <sup>+</sup> monocytes give rise to CD103 <sup>+</sup> RALDH2 <sup>+</sup> TCF4 <sup>+</sup> dendritic cells with unique transcriptional and immunological features. Blood Advances, 2018, 2, 2862-2878.	2.5	20
219	Polyglutamine binding protein 1 (PQBP1) inhibits innate immune responses to cytosolic DNA. Molecular Immunology, 2018, 99, 182-190.	1.0	10
220	HIV-1 Activation of Innate Immunity Depends Strongly on the Intracellular Level of TREX1 and Sensing of Incomplete Reverse Transcription Products. Journal of Virology, 2018, 92, .	1.5	29
221	Combating the HIV reservoirs. Biotechnology and Genetic Engineering Reviews, 2018, 34, 76-89.	2.4	13

#	ARTICLE	IF	CITATIONS
222	Anti-apoptotic Protein BIRC5 Maintains Survival of HIV-1-Infected CD4+ T Cells. <i>Immunity</i> , 2018, 48, 1183-1194.e5.	6.6	109
223	Preventing Mother-to-Child Transmission (PMTCT): Prevention of HIV. , 2018, , 1698-1704.		0
224	The Inflammasome: Regulation of Nitric Oxide and Antimicrobial Host Defence. <i>Advances in Microbial Physiology</i> , 2018, 72, 65-115.	1.0	22
225	Incomplete inhibition of HIV infection results in more HIV infected lymph node cells by reducing cell death. <i>ELife</i> , 2018, 7, .	2.8	12
226	HIV replication is associated to inflammasomes activation, IL-1 $\beta$ , IL-18 and caspase-1 expression in GALT and peripheral blood. <i>PLoS ONE</i> , 2018, 13, e0192845.	1.1	64
228	Interferons: Reprogramming the Metabolic Network against Viral Infection. <i>Viruses</i> , 2018, 10, 36.	1.5	54
229	The NLRP3 Inflammasome Is Upregulated in HIV-Infected Antiretroviral Therapy-Treated Individuals with Defective Immune Recovery. <i>Frontiers in Immunology</i> , 2018, 9, 214.	2.2	71
230	Myeloid Dendritic Cells Induce HIV Latency in Proliferating CD4+T Cells. <i>Journal of Immunology</i> , 2018, 201, 1468-1477.	0.4	17
231	Cellular Determinants of HIV Persistence on Antiretroviral Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1075, 213-239.	0.8	5
232	IFI16 is involved in HBV-associated acute-on-chronic liver failure inflammation. <i>BMC Gastroenterology</i> , 2018, 18, 61.	0.8	13
233	Inhibition of <sc>AIM</sc> 2 inflammasome activation by a novel transcript isoform of <sc>IFI</sc> 16. <i>EMBO Reports</i> , 2018, 19, .	2.0	63
234	CD4+T Cell Subsets and Pathways to HIV Latency. <i>AIDS Research and Human Retroviruses</i> , 2018, 34, 780-789.	0.5	16
235	DDX41 Recognizes RNA/DNA Retroviral Reverse Transcripts and Is Critical for <i>In Vivo</i> Control of Murine Leukemia Virus Infection. <i>MBio</i> , 2018, 9, .	1.8	49
236	Short-Term Pegylated Interferon $\beta$ 2a Treatment Does Not Significantly Reduce the Viral Reservoir of Simian Immunodeficiency Virus-Infected, Antiretroviral Therapy-Treated Rhesus Macaques. <i>Journal of Virology</i> , 2018, 92, .	1.5	19
237	Filament-like Assemblies of Intracellular Nucleic Acid Sensors: Commonalities and Differences. <i>Molecular Cell</i> , 2019, 76, 243-254.	4.5	18
238	STING-Mediated IFI16 Degradation Negatively Controls Type I Interferon Production. <i>Cell Reports</i> , 2019, 29, 1249-1260.e4.	2.9	52
239	Long non-coding RNAs and latent HIV $\beta$ search for novel targets for latency reversal. <i>PLoS ONE</i> , 2019, 14, e0224879.	1.1	24
240	Evolutionary Medicine of Retroviruses in the Human Genome. <i>American Journal of the Medical Sciences</i> , 2019, 358, 384-388.	0.4	16

#	ARTICLE	IF	CITATIONS
241	Inflammasomes: Threat-Assessment Organelles of the Innate Immune System. <i>Immunity</i> , 2019, 51, 609-624.	6.6	118
242	HIV-1 Envelope Overcomes NLRP3-Mediated Inhibition of F-Actin Polymerization for Viral Entry. <i>Cell Reports</i> , 2019, 28, 3381-3394.e7.	2.9	28
243	HIV-2 Depletes CD4 T Cells through Pyroptosis despite Vpx-Dependent Degradation of SAMHD1. <i>Journal of Virology</i> , 2019, 93, .	1.5	6
244	Interferon-Inducible Protein 16 (IFI16) Has a Broad-Spectrum Binding Ability Against ssDNA Targets: An Evolutionary Hypothesis for Antiretroviral Checkpoint. <i>Frontiers in Microbiology</i> , 2019, 10, 1426.	1.5	18
245	IFI16 Targets the Transcription Factor Sp1 to Suppress HIV-1 Transcription and Latency Reactivation. <i>Cell Host and Microbe</i> , 2019, 25, 858-872.e13.	5.1	83
246	The role of inflammasomes in kidney disease. <i>Nature Reviews Nephrology</i> , 2019, 15, 501-520.	4.1	196
247	A STING to inflammation and autoimmunity. <i>Journal of Leukocyte Biology</i> , 2019, 106, 171-185.	1.5	75
248	Mechanisms of HIV-1 cell-to-cell transmission and the establishment of the latent reservoir. <i>Virus Research</i> , 2019, 265, 115-121.	1.1	37
249	DNA Sensor IFI204 Contributes to Host Defense Against <i>Staphylococcus aureus</i> Infection in Mice. <i>Frontiers in Immunology</i> , 2019, 10, 474.	2.2	26
250	HIV Controllers Exhibit Effective CD8+ T Cell Recognition of HIV-1-Infected Non-activated CD4+ T Cells. <i>Cell Reports</i> , 2019, 27, 142-153.e4.	2.9	22
251	HIV-1 and SIV Infection Are Associated with Early Loss of Lung Interstitial CD4+ T Cells and Dissemination of Pulmonary Tuberculosis. <i>Cell Reports</i> , 2019, 26, 1409-1418.e5.	2.9	54
252	Inflammasome activation and Th17 responses. <i>Molecular Immunology</i> , 2019, 107, 142-164.	1.0	69
253	Mechanistic link between DNA damage sensing, repairing and signaling factors and immune signaling. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019, 115, 297-324.	1.0	21
254	HIV-1 Is a Poor Inducer of Innate Immune Responses. <i>MBio</i> , 2019, 10, .	1.8	25
255	Inflammasomes: Their Role in Normal and Complicated Pregnancies. <i>Journal of Immunology</i> , 2019, 203, 2757-2769.	0.4	96
256	Pyroptosis in Antiviral Immunity. <i>Current Topics in Microbiology and Immunology</i> , 2019, , 65-83.	0.7	25
257	Interferon gamma inducible protein 16 (IFI16) expression is reduced in mantle cell lymphoma. <i>Heliyon</i> , 2019, 5, e02643.	1.4	5
258	T Cells and Regulated Cell Death. <i>International Review of Cell and Molecular Biology</i> , 2019, 342, 27-71.	1.6	27



#	ARTICLE	IF	CITATIONS
259	Common Differences: The Ability of Inflammasomes to Distinguish Between Self and Pathogen Nucleic Acids During Infection. <i>International Review of Cell and Molecular Biology</i> , 2019, 344, 139-172.	1.6	8
260	Discrimination Between Self and Non-Self-Nucleic Acids by the Innate Immune System. <i>International Review of Cell and Molecular Biology</i> , 2019, 344, 1-30.	1.6	38
261	DNA-stimulated cell death: implications for host defence, inflammatory diseases and cancer. <i>Nature Reviews Immunology</i> , 2019, 19, 141-153.	10.6	123
262	Cancer diagnosis and immunotherapy in the age of CRISPR. <i>Genes Chromosomes and Cancer</i> , 2019, 58, 233-243.	1.5	4
263	P2X Antagonists Inhibit HIV-1 Productive Infection and Inflammatory Cytokines Interleukin-10 (IL-10) and IL-1 $\beta$ in a Human Tonsil Explant Model. <i>Journal of Virology</i> , 2019, 93, .	1.5	31
264	Non-Viral Delivery To Enable Genome Editing. <i>Trends in Biotechnology</i> , 2019, 37, 281-293.	4.9	86
265	Emerging insights into molecular mechanisms underlying pyroptosis and functions of inflammasomes in diseases. <i>Journal of Cellular Physiology</i> , 2020, 235, 3207-3221.	2.0	139
266	Mechanisms of Human Immunodeficiency Virus-Associated Lymphocyte Regulated Cell Death. <i>AIDS Research and Human Retroviruses</i> , 2020, 36, 101-115.	0.5	13
267	Inflammasome in HIV infection: Lights and shadows. <i>Molecular Immunology</i> , 2020, 118, 9-18.	1.0	20
268	Nucleic Acid Sensors and Programmed Cell Death. <i>Journal of Molecular Biology</i> , 2020, 432, 552-568.	2.0	57
269	Emergence and molecular mechanisms of SARS-CoV-2 and HIV to target host cells and potential therapeutics. <i>Infection, Genetics and Evolution</i> , 2020, 85, 104583.	1.0	11
270	Cell death signalling in virus infection. <i>Cellular Signalling</i> , 2020, 76, 109772.	1.7	44
271	HPV E7 inhibits cell pyroptosis by promoting TRIM21-mediated degradation and ubiquitination of the IFI16 inflammasome. <i>International Journal of Biological Sciences</i> , 2020, 16, 2924-2937.	2.6	53
272	Immune Sensing Mechanisms that Discriminate Self from Altered Self and Foreign Nucleic Acids. <i>Immunity</i> , 2020, 53, 54-77.	6.6	115
273	Interrogating Host Antiviral Environments Driven by Nuclear DNA Sensing: A Multiomic Perspective. <i>Biomolecules</i> , 2020, 10, 1591.	1.8	7
274	Nuclear PYHIN proteins target the host transcription factor Sp1 thereby restricting HIV-1 in human macrophages and CD4+ T cells. <i>PLoS Pathogens</i> , 2020, 16, e1008752.	2.1	26
275	Insights into Sensing of Murine Retroviruses. <i>Viruses</i> , 2020, 12, 836.	1.5	4
276	Emerging Role of PYHIN Proteins as Antiviral Restriction Factors. <i>Viruses</i> , 2020, 12, 1464.	1.5	10



#	ARTICLE	IF	CITATIONS
277	The involvement of regulated cell death forms in modulating the bacterial and viral pathogenesis. <i>International Review of Cell and Molecular Biology</i> , 2020, 353, 211-253.	1.6	17
278	NLRP3 Inflammasome Signaling as a Link Between HIV-1 Infection and Atherosclerotic Cardiovascular Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 95.	1.1	23
279	Targeting the NLRP3 Inflammasome in Severe COVID-19. <i>Frontiers in Immunology</i> , 2020, 11, 1518.	2.2	329
280	Purinergic Receptors: Elucidating the Role of these Immune Mediators in HIV-1 Fusion. <i>Viruses</i> , 2020, 12, 290.	1.5	13
281	DNA Sensing in the Innate Immune Response. <i>Physiology</i> , 2020, 35, 112-124.	1.6	91
282	HIV-1 uncoats in the nucleus near sites of integration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5486-5493.	3.3	190
283	Dynamics of Immune Activation in Viral Diseases. , 2020, , .		2
284	Pathways towards human immunodeficiency virus elimination. <i>EBioMedicine</i> , 2020, 53, 102667.	2.7	12
285	Sensor Sensibilityâ€™HIV-1 and the Innate Immune Response. <i>Cells</i> , 2020, 9, 254.	1.8	52
286	Inflammasomes contributing to inflammation in arthritis. <i>Immunological Reviews</i> , 2020, 294, 48-62.	2.8	97
287	Caspases in Cell Death, Inflammation, and Pyroptosis. <i>Annual Review of Immunology</i> , 2020, 38, 567-595.	9.5	470
288	Cellular Factors Targeting HIV-1 Transcription and Viral RNA Transcripts. <i>Viruses</i> , 2020, 12, 495.	1.5	23
289	Replication Stress, DNA Damage, Inflammatory Cytokines and Innate Immune Response. <i>Genes</i> , 2020, 11, 409.	1.0	77
290	Systemic Expression of a Viral RdRP Protects against Retrovirus Infection and Disease. <i>Journal of Virology</i> , 2020, 94, .	1.5	4
291	Antiviral immunity and nucleic acid sensing in haematopoietic stem cell gene engineering. <i>Gene Therapy</i> , 2021, 28, 16-28.	2.3	19
292	IFI16 contributes to the pathogenesis of abdominal aortic aneurysm by regulating the caspase-1/IL-1 $\beta$ /MCP1 pathway. <i>Life Sciences</i> , 2021, 265, 118752.	2.0	5
293	Brain and Central Nervous System Infections: <i>Viruses</i> . , 2022, , 302-312.		1
294	Recognize Yourselfâ€™Innate Sensing of Non-LTR Retrotransposons. <i>Viruses</i> , 2021, 13, 94.	1.5	7

#	ARTICLE	IF	CITATIONS
295	Structure, Activation and Regulation of NLRP3 and AIM2 Inflammasomes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 872.	1.8	82
296	P2RX7 at the Host-Pathogen Interface of Infectious Diseases. <i>Microbiology and Molecular Biology Reviews</i> , 2021, 85, .	2.9	15
297	Inflammasomes and adaptive immune responses. <i>Nature Immunology</i> , 2021, 22, 412-422.	7.0	121
299	Poly(dA:dT) Suppresses HSV-2 Infection of Human Cervical Epithelial Cells Through RIG-I Activation. <i>Frontiers in Immunology</i> , 2020, 11, 598884.	2.2	5
300	Increased expression of IFI16 predicts adverse prognosis in multiple myeloma. <i>Pharmacogenomics Journal</i> , 2021, 21, 520-532.	0.9	2
301	HIV-1 cores retain their integrity until minutes before uncoating in the nucleus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	79
302	NLRP3 inflammasome induces CD4+ T cell loss in chronically HIV-1-infected patients. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	59
303	HIV-1 uncoating by release of viral cDNA from capsid-like structures in the nucleus of infected cells. <i>ELife</i> , 2021, 10, .	2.8	71
304	Cytoplasmic DNA sensing by KU complex in aged CD4+ T cell potentiates T cell activation and aging-related autoimmune inflammation. <i>Immunity</i> , 2021, 54, 632-647.e9.	6.6	37
305	Canonical Secretomes, Innate Immune Caspase-1-, 4/11-Gasdermin D Non-Canonical Secretomes and Exosomes May Contribute to Maintain Treg-Ness for Treg Immunosuppression, Tissue Repair and Modulate Anti-Tumor Immunity via ROS Pathways. <i>Frontiers in Immunology</i> , 2021, 12, 678201.	2.2	17
306	IFI16 directly senses viral RNA and enhances RIG-I transcription and activation to restrict influenza virus infection. <i>Nature Microbiology</i> , 2021, 6, 932-945.	5.9	61
308	The Role of Melatonin on NLRP3 Inflammasome Activation in Diseases. <i>Antioxidants</i> , 2021, 10, 1020.	2.2	25
309	Endothelial Immunity Trained by Coronavirus Infections, DAMP Stimulations and Regulated by Anti-Oxidant NRF2 May Contribute to Inflammations, Myelopoiesis, COVID-19 Cytokine Storms and Thromboembolism. <i>Frontiers in Immunology</i> , 2021, 12, 653110.	2.2	43
310	The DNA Sensor IFI16 Drives Proteome Alterations To Mobilize Nuclear and Cytoplasmic Antiviral Responses, with Its Acetylation Acting as a Localization Toggle. <i>MSystems</i> , 2021, 6, e0039721.	1.7	8
311	HIV-1 Vpr Induces Widespread Transcriptomic Changes in CD4+ T Cells Early Postinfection. <i>MBio</i> , 2021, 12, e0136921.	1.8	12
312	Dodging the Host Interferon-Stimulated Gene Mediated Innate Immunity by HIV-1: A Brief Update on Intrinsic Mechanisms and Counter-Mechanisms. <i>Frontiers in Immunology</i> , 2021, 12, 716927.	2.2	15
314	Battle Royale: Innate Recognition of Poxviruses and Viral Immune Evasion. <i>Biomedicines</i> , 2021, 9, 765.	1.4	49
315	Inflammasomes in T cells. <i>Journal of Molecular Biology</i> , 2022, 434, 167275.	2.0	14

#	ARTICLE	IF	CITATIONS
316	The Role of Inflammasome Activation in Early HIV Infection. <i>Journal of Immunology Research</i> , 2021, 2021, 1-7.	0.9	10
317	Bystander CD4 T-cell death is inhibited by broadly neutralizing anti-HIV antibodies only at levels blocking cell-to-cell viral transmission. <i>Journal of Biological Chemistry</i> , 2021, 297, 101098.	1.6	3
318	CRISPR/Cas9-mediated knockout of clinically relevant alloantigens in human primary T cells. <i>BMC Biotechnology</i> , 2021, 21, 9.	1.7	17
319	Apoptosis in infectious diseases as a mechanism of immune evasion and survival. <i>Advances in Protein Chemistry and Structural Biology</i> , 2021, 125, 1-24.	1.0	16
320	Sex Differences in the Manifestations of HIV-1 Infection. , 2015, , 103-181.		5
321	Modulation of apoptosis and viral latency – an axis to be well understood for successful cure of human immunodeficiency virus. <i>Journal of General Virology</i> , 2016, 97, 813-824.	1.3	28
322	Combination antiretroviral therapy and cell–cell spread of wild-type and drug-resistant human immunodeficiency virus-1. <i>Journal of General Virology</i> , 2017, 98, 821-834.	1.3	10
327	Host Factors in Retroviral Integration and the Selection of Integration Target Sites. , 0, , 1035-1050.		2
328	IFI16 filament formation in salivary epithelial cells shapes the anti-IFI16 immune response in Sjögren’s syndrome. <i>JCI Insight</i> , 2018, 3, .	2.3	21
329	Targeting apoptosis pathways in infections. <i>Journal of Leukocyte Biology</i> , 2018, 103, 275-285.	1.5	35
330	Longitudinal Changes in Plasma Caspase-1 and Caspase-3 during the First 2 Years of HIV-1 Infection in CD4Low and CD4High Patient Groups. <i>PLoS ONE</i> , 2015, 10, e0121011.	1.1	28
331	CARD8 inflammasome activation triggers pyroptosis in human T cells. <i>EMBO Journal</i> , 2020, 39, e105071.	3.5	95
332	Characterizing the Latent HIV-1 Reservoir in Patients with Viremia Suppressed on cART: Progress, Challenges, and Opportunities. <i>Current HIV Research</i> , 2020, 18, 99-113.	0.2	6
333	A virus-packageable CRISPR screen identifies host factors mediating interferon inhibition of HIV. <i>ELife</i> , 2018, 7, .	2.8	115
334	cGAS–STING-mediated sensing pathways in DNA and RNA virus infections: crosstalk with other sensing pathways. <i>Archives of Virology</i> , 2021, 166, 3255-3268.	0.9	13
335	The Role of Ku70 as a Cytosolic DNA Sensor in Innate Immunity and Beyond. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 761983.	1.8	19
336	Cell-suicide blocker holds promise as HIV therapy. <i>Nature</i> , 0, , .	13.7	0
338	Inflammasome and HIV. , 2015, , 1-12.		0

#	ARTICLE	IF	CITATIONS
339	SLX4 Complex and HIV Replication. , 2015, , 1-7.		0
340	A Full-Blown Epidemic. , 2016, , 79-94.		0
343	Autophagy and HIV Infection. , 2018, , 145-151.		0
344	Inflammasome and HIV. , 2018, , 1096-1107.		0
345	SLX4 Complex and HIV Replication. , 2018, , 1908-1915.		0
346	Pyroptosis in HIV Infection: HIV Offense Meets a Fiery Host Defense. , 2018, , 1774-1782.		0
347	The Human PYHIN Proteins: Our Cellular Guardians Against DNA Viruses. , 2018, , .		0
349	Pyroptosis as Inflammatory Cell Death. <i>Klinicheskaya Onkogematologiya/Clinical Oncohematology</i> , 2020, 13, 129-135.	0.1	1
351	The crosstalk between viral RNA- and DNA-sensing mechanisms. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7427-7434.	2.4	28
352	The Inflammasomes: A confounding chapter in Periodontics. <i>IP International Journal of Periodontology and Implantology</i> , 2020, 5, 159-167.	0.2	1
353	Inflammasomes in the Pathophysiology of Maternal Obesity: Potential Therapeutic Targets to Reduce Long-Term Adverse Health Outcomes in the Mother and Offspring. <i>Current Vascular Pharmacology</i> , 2020, 19, 165-175.	0.8	3
354	Potentiality of DNA Sensors in Activating Immune System in Emerging Viral Infectious Diseases. , 2020, , 243-260.		0
355	IFI16 Isoforms with Cytoplasmic and Nuclear Locations Play Differential Roles in Recognizing Invaded DNA Viruses. <i>Journal of Immunology</i> , 2021, 207, 2699-2709.	0.4	6
356	Preferential and persistent impact of acute HIV-1 infection on CD4 <sup>+</sup> iNKT cells in colonic mucosa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	2
357	HIV-1 Vif suppresses antiviral immunity by targeting STING. <i>Cellular and Molecular Immunology</i> , 2022, 19, 108-121.	4.8	20
358	Toll-Like Receptor (TLR) Signaling Enables Cyclic GMP-AMP Synthase (cGAS) Sensing of HIV-1 Infection in Macrophages. <i>MBio</i> , 2021, 12, e0281721.	1.8	13
359	Delivery Methods for CRISPR/Cas Reagents. , 2022, , 113-148.		0
360	CD4 T cell-intrinsic STING signaling controls the differentiation and effector functions of T <sub>H</sub> 1 and T <sub>H</sub> 9 cells. , 2022, 10, e003459.		21

#	ARTICLE	IF	CITATIONS
361	High-throughput and high-content bioassay enables tuning of polyester nanoparticles for cellular uptake, endosomal escape, and systemic in vivo delivery of mRNA. <i>Science Advances</i> , 2022, 8, eabk2855.	4.7	54
362	Activation and Immune Regulation Mechanisms of PYHIN Family During Microbial Infection. <i>Frontiers in Microbiology</i> , 2021, 12, 809412.	1.5	6
363	Single-cell transcriptomic landscape identifies the expansion of peripheral blood monocytes as an indicator of HIV-1-TB co-infection. , 2022, 1, 100005.		5
364	Innate Sensors Trigger Regulated Cell Death to Combat Intracellular Infection. <i>Annual Review of Immunology</i> , 2022, 40, 469-498.	9.5	51
365	Myeloid cell interferon responses correlate with clearance of SARS-CoV-2. <i>Nature Communications</i> , 2022, 13, 679.	5.8	30
366	A novel Betaretrovirus discovered in cattle with neurological disease and encephalitis. <i>Retrovirology</i> , 2021, 18, 40.	0.9	2
367	Mucosal-associated invariant T cells: A cryptic coordinator in HIV-infected immune reconstitution. <i>Journal of Medical Virology</i> , 2022, 94, 3043-3053.	2.5	10
368	The Interplay between Viruses and Host DNA Sensors. <i>Viruses</i> , 2022, 14, 666.	1.5	18
369	Role of inflammasomes in HIV-1 infection and treatment. <i>Trends in Molecular Medicine</i> , 2022, 28, 421-434.	3.5	16
370	Viral manipulation of host cell necroptosis and pyroptosis. <i>Trends in Microbiology</i> , 2022, 30, 593-605.	3.5	28
371	HIV-1 trans-Infection Mediated by DCs: The Tip of the Iceberg of Cell-to-Cell Viral Transmission. <i>Pathogens</i> , 2022, 11, 39.	1.2	4
372	Cytosolic Self-DNA—A Potential Source of Chronic Inflammation in Aging. <i>Cells</i> , 2021, 10, 3544.	1.8	12
376	Manganese Enhances DNA- or RNA-Mediated Innate Immune Response by Inducing Phosphorylation of TANK-Binding Kinase 1. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
378	Activation-induced pyroptosis contributes to the loss of MAIT cells in chronic HIV-1 infected patients. <i>Military Medical Research</i> , 2022, 9, .	1.9	10
379	Nuclear antiviral innate responses at the intersection of DNA sensing and DNA repair. <i>Trends in Microbiology</i> , 2022, 30, 1056-1071.	3.5	14
380	Oncolytic Vaccinia Virus Harboring <i>Aphrocallistes vastus</i> Lectin Inhibits the Growth of Hepatocellular Carcinoma Cells. <i>Marine Drugs</i> , 2022, 20, 378.	2.2	5
382	Nanomaterials for virus sensing and tracking. <i>Chemical Society Reviews</i> , 2022, 51, 5805-5841.	18.7	23
383	Subsets of Tissue CD4 T Cells Display Different Susceptibilities to HIV Infection and Death: Analysis by CyTOF and Single Cell RNA-seq. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3

#	ARTICLE	IF	CITATIONS
384	Inflammasome activation: from molecular mechanisms to autoinflammation. <i>Clinical and Translational Immunology</i> , 2022, 11, .	1.7	12
385	Revisiting Regulated Cell Death Responses in Viral Infections. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7023.	1.8	11
386	Wnt/ $\beta$ -Catenin Protects Lymphocytes from HIV-Mediated Apoptosis via Induction of Bcl-xL. <i>Viruses</i> , 2022, 14, 1469.	1.5	3
387	Inflammasomes as mediators of inflammation in HIV-1 infection. <i>Translational Research</i> , 2023, 252, 1-8.	2.2	9
389	Rapid Loss of CD4 T Cells by Pyroptosis during Acute SIV Infection in Rhesus Macaques. <i>Journal of Virology</i> , 2022, 96, .	1.5	8
390	HIV “ The Cell Biology of Virus Infection and Replication. , 2022, , .		0
391	Promiscuous Inflammasomes: The False Dichotomy of RNA/DNA Virus-Induced Inflammasome Activation and Pyroptosis. <i>Viruses</i> , 2022, 14, 2113.	1.5	9
395	Manganese enhances DNA- or RNA-mediated innate immune response by inducing phosphorylation of TANK-binding kinase 1. <i>IScience</i> , 2022, 25, 105352.	1.9	7
396	Immunopathogenesis of HIV-1 Infection. , 2023, , 684-686.e2.		0
397	Fever and the Inflammatory Response. , 2023, , 96-101.e2.		0
398	Pyroptosis associated with immune reconstruction failure in HIV-1- infected patients receiving antiretroviral therapy: a cross-sectional study. <i>BMC Infectious Diseases</i> , 2022, 22, .	1.3	5
400	Zinc Finger Protein BCL11A Contributes to the Abortive Infection of <i>Hirame novirhabdovirus</i> (HIRRV) in B Lymphocytes of Flounder ( <i>Paralichthys olivaceus</i> ). <i>Journal of Virology</i> , 2022, 96, .	1.5	2
401	Inflammasomes in Human Immunodeficiency Virus Type 1 Infection. <i>Infectious Diseases &amp; Immunity</i> , 2022, 2, 248-252.	0.2	1
403	HIV-1 release requires Nef-induced caspase activation. <i>PLoS ONE</i> , 2023, 18, e0281087.	1.1	1
404	The anti-caspase 1 inhibitor VX-765 reduces immune activation, CD4+ T cell depletion, viral load, and total HIV-1 DNA in HIV-1 infected humanized mice. <i>ELife</i> , 0, 12, .	2.8	6
405	The impact of cannabinoids on inflammasome signaling in HIV-1 infection. , 2023, ,		0
406	The role of extracellular ATP and P2X receptors in the pathogenesis of HIV-1. <i>Current Opinion in Pharmacology</i> , 2023, 69, 102358.	1.7	2
407	Filament assembly underpins the double-stranded DNA specificity of AIM2-like receptors. <i>Nucleic Acids Research</i> , 2023, 51, 2574-2585.	6.5	0

#	ARTICLE	IF	CITATIONS
408	The CARD8 inflammasome in HIV infection. <i>Advances in Immunology</i> , 2023, , 59-100.	1.1	1
409	Cytosolic DNA sensors and glial responses to endogenous DNA. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	3
411	Mechanism of pulmonary plague biphasic syndrome: inhibition or activation of NF- $\kappa$ B signaling pathway. <i>Future Microbiology</i> , 0, , .	1.0	0
412	Enterovirus 71 induces pyroptosis of human neuroblastoma SH-SY5Y cells through miR-146a/ CXCR4 axis. <i>Heliyon</i> , 2023, 9, e15014.	1.4	2
428	Modes of Chemically Induced Cell Death. , 2023, , .		0