Veit Hornung

List of Publications by Year
in descending order

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196 papers	46,136 citations	5558 82 h-index	2617 194 g-index
216 all docs	216 docs citations	216 times ranked	48567 citing authors

#	Article	IF	Citations
1	A Mammalian microRNA Expression Atlas Based on Small RNA Library Sequencing. Cell, 2007, 129, 1401-1414.	13.5	3,390
2	NLRP3 inflammasomes are required for atherogenesis and activated by cholesterol crystals. Nature, 2010, 464, 1357-1361.	13.7	3,130
3	Silica crystals and aluminum salts activate the NALP3 inflammasome through phagosomal destabilization. Nature Immunology, 2008, 9, 847-856.	7.0	2,568
4	Cutting Edge: NF-ÎºB Activating Pattern Recognition and Cytokine Receptors License NLRP3 Inflammasome Activation by Regulating NLRP3 Expression. Journal of Immunology, 2009, 183, 787-791.	0.4	2,281
5	AIM2 recognizes cytosolic dsDNA and forms a caspase-1-activating inflammasome with ASC. Nature, 2009, 458, 514-518.	13.7	2,098
6	5'-Triphosphate RNA Is the Ligand for RIG-I. Science, 2006, 314, 994-997.	6.0	2,094
7	The NALP3 inflammasome is involved in the innate immune response to amyloid-Î². Nature Immunology, 2008, 9, 857-865.	7.0	2,047
8	Quantitative Expression of Toll-Like Receptor 1â€“10 mRNA in Cellular Subsets of Human Peripheral Blood Mononuclear Cells and Sensitivity to CpG Oligodeoxynucleotides. Journal of Immunology, 2002, 168, 4531-4537.	0.4	1,780
9	cGAS produces a 2â€²-5â€²-linked cyclic dinucleotide second messenger that activates STING. Nature, 2013, 498, 380-384.	13.7	1,193
10	Sequence-specific potent induction of IFN-Î± by short interfering RNA in plasmacytoid dendritic cells through TLR7. Nature Medicine, 2005, 11, 263-270.	15.2	1,153
11	The AIM2 inflammasome is essential for host defense against cytosolic bacteria and DNA viruses. Nature Immunology, 2010, 11, 395-402.	7.0	1,113
12	Molecular mechanisms and cellular functions of cGASâ€“STING signalling. Nature Reviews Molecular Cell Biology, 2020, 21, 501-521.	16.1	846
13	Identification of CpG oligonucleotide sequences with high induction of IFN-Î±/Î² in plasmacytoid dendritic cells. European Journal of Immunology, 2001, 31, 2154-2163.	1.6	790
14	RIG-I-dependent sensing of poly(dA:dT) through the induction of an RNA polymerase IIIâ€“transcribed RNA intermediate. Nature Immunology, 2009, 10, 1065-1072.	7.0	762
15	Toll-like receptor expression reveals CpG DNA as a unique microbial stimulus for plasmacytoid dendritic cells which synergizes with CD40 ligand to induce high amounts of IL-12. European Journal of Immunology, 2001, 31, 3026-3037.	1.6	704
16	Recognition of 5â€² Triphosphate by RIG-I Helicase Requires Short Blunt Double-Stranded RNA as Contained in Panhandle of Negative-Strand Virus. Immunity, 2009, 31, 25-34.	6.6	660
17	Human Monocytes Engage an Alternative Inflammasome Pathway. Immunity, 2016, 44, 833-846.	6.6	619
18	Structural mechanism of cytosolic DNA sensing by cGAS. Nature, 2013, 498, 332-337.	13.7	608

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19	Cutting Edge: Reactive Oxygen Species Inhibitors Block Priming, but Not Activation, of the NLRP3 Inflammasome. Journal of Immunology, 2011, 187, 613-617.	0.4	506
20	Cell intrinsic immunity spreads to bystander cells via the intercellular transfer of cGAMP. Nature, 2013, 503, 530-534.	13.7	483
21	Recognition of RNA virus by RIG-I results in activation of CARD9 and inflammasome signaling for interleukin 1Î² production. Nature Immunology, 2010, 11, 63-69.	7.0	477
22	Structures of the HIN Domain:DNA Complexes Reveal Ligand Binding and Activation Mechanisms of the AIM2 Inflammasome and IFI16 Receptor. Immunity, 2012, 36, 561-571.	6.6	456
23	The DNA Inflammasome in Human Myeloid Cells Is Initiated by a STING-Cell Death Program Upstream of NLRP3. Cell, 2017, 171, 1110-1124.e18.	13.5	431
24	NLRP3 Inflammasome Activity Is Negatively Controlled by miR-223. Journal of Immunology, 2012, 189, 4175-4181.	0.4	402
25	Recognition of Endogenous Nucleic Acids by the Innate Immune System. Immunity, 2016, 44, 739-754.	6.6	390
26	A Genome-wide CRISPR (Clustered Regularly Interspaced Short Palindromic Repeats) Screen Identifies NEK7 as an Essential Component of NLRP3 Inflammasome Activation. Journal of Biological Chemistry, 2016, 291, 103-109.	1.6	359
27	5â€²-triphosphate-siRNA: turning gene silencing and Rig-I activation against melanoma. Nature Medicine, 2008, 14, 1256-1263.	15.2	353
28	cGAS senses long and HMGB/TFAM-bound U-turn DNA by forming proteinâ€“DNA ladders. Nature, 2017, 549, 394-398.	13.7	346
29	Cytosolic DNA Triggers Inflammasome Activation in Keratinocytes in Psoriatic Lesions. Science Translational Medicine, 2011, 3, 82ra38.	5.8	342
30	Mycobacterium tuberculosis Differentially Activates cGAS- and Inflammasome-Dependent Intracellular Immune Responses through ESX-1. Cell Host and Microbe, 2015, 17, 799-810.	5.1	341
31	Proapoptotic signaling induced by RIG-I and MDA-5 results in type I interferonâ€“independent apoptosis in human melanoma cells. Journal of Clinical Investigation, 2009, 119, 2399-411.	3.9	322
32	Intracellular DNA recognition. Nature Reviews Immunology, 2010, 10, 123-130.	10.6	320
33	Plasmacytoid Dendritic Cells Control TLR7 Sensitivity of Naive B Cells via Type I IFN. Journal of Immunology, 2005, 174, 4043-4050.	0.4	319
34	Inflammasomes: current understanding and open questions. Cellular and Molecular Life Sciences, 2011, 68, 765-783.	2.4	316
35	Activation with CpG-A and CpG-B Oligonucleotides Reveals Two Distinct Regulatory Pathways of Type I IFN Synthesis in Human Plasmacytoid Dendritic Cells. Journal of Immunology, 2003, 170, 4465-4474.	0.4	305
36	Plasmacytoid dendritic cells, antigen, and CpG-C license human B cells for plasma cell differentiation and immunoglobulin production in the absence of T-cell help. Blood, 2004, 103, 3058-3064.	0.6	264

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37	Cytosolic RNA:DNA hybrids activate the <scp>cGAS</scp>â€“STING axis. EMBO Journal, 2014, 33, 2937-2946.	3.5	257
38	OAS proteins and cGAS: unifying concepts in sensing and responding to cytosolic nucleic acids. Nature Reviews Immunology, 2014, 14, 521-528.	10.6	246
39	Caspaseâ€4 mediates nonâ€canonical activation of the NLRP3 inflammasome in human myeloid cells. European Journal of Immunology, 2015, 45, 2911-2917.	1.6	244
40	Critical functions of priming and lysosomal damage for NLRP3 activation. European Journal of Immunology, 2010, 40, 620-623.	1.6	243
41	A ligation-independent cloning technique for high-throughput assembly of transcription activatorâ€“like effector genes. Nature Biotechnology, 2013, 31, 76-81.	9.4	229
42	Superior Immunogenicity of Inactivated Whole Virus H5N1 Influenza Vaccine is Primarily Controlled by Toll-like Receptor Signalling. PLoS Pathogens, 2008, 4, e1000138.	2.1	221
43	Listeria monocytogenes is sensed by the NLRP3 and AIM2 inflammasome. European Journal of Immunology, 2010, 40, 1545-1551.	1.6	221
44	A Conserved Histidine in the RNA Sensor RIG-I Controls Immune Tolerance to N1-2â€²O-Methylated Self RNA. Immunity, 2015, 43, 41-51.	6.6	221
45	Three exposures to the spike protein of SARS-CoV-2 by either infection or vaccination elicit superior neutralizing immunity to all variants of concern. Nature Medicine, 2022, 28, 496-503.	15.2	215
46	siRNA and isRNA: two edges of one sword. Molecular Therapy, 2006, 14, 463-470.	3.7	214
47	Guanylate Binding Protein (GBP) 5 Is an Interferon-Inducible Inhibitor of HIV-1 Infectivity. Cell Host and Microbe, 2016, 19, 504-514.	5.1	211
48	TREX1 Deficiency Triggers Cell-Autonomous Immunity in a cGAS-Dependent Manner. Journal of Immunology, 2014, 192, 5993-5997.	0.4	210
49	Inhibition of Toll-Like Receptor 7- and 9-Mediated Alpha/Beta Interferon Production in Human Plasmacytoid Dendritic Cells by Respiratory Syncytial Virus and Measles Virus. Journal of Virology, 2005, 79, 5507-5515.	1.5	208
50	Sequence-specific activation of the DNA sensor cGAS by Y-form DNA structures as found in primary HIV-1 cDNA. Nature Immunology, 2015, 16, 1025-1033.	7.0	202
51	Antiviral Activity of Human OASL Protein Is Mediated by Enhancing Signaling of the RIG-I RNA Sensor. Immunity, 2014, 40, 936-948.	6.6	201
52	Replication-Dependent Potent IFN-Î± Induction in Human Plasmacytoid Dendritic Cells by a Single-Stranded RNA Virus. Journal of Immunology, 2004, 173, 5935-5943.	0.4	191
53	Human NLRP1 is a sensor for double-stranded RNA. Science, 2021, 371, .	6.0	191
54	Activation of the inflammasome by amorphous silica and TiO₂nanoparticles in murine dendritic cells. Nanotoxicology, 2011, 5, 326-340.	1.6	175

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55	MITF and c-Jun antagonism interconnects melanoma dedifferentiation with pro-inflammatory cytokine responsiveness and myeloid cell recruitment. Nature Communications, 2015, 6, 8755.	5.8	175
56	Functional IRF3 deficiency in a patient with herpes simplex encephalitis. Journal of Experimental Medicine, 2015, 212, 1371-1379.	4.2	171
57	Human <scp>GBP</scp> 1 is a microbeâ€specific gatekeeper of macrophage apoptosis and pyroptosis. EMBO Journal, 2019, 38, e100926.	3.5	170
58	Influenza A virus targets a cGAS-independent STING pathway that controls enveloped RNA viruses. Nature Communications, 2016, 7, 10680.	5.8	169
59	cGAS Senses Human Cytomegalovirus and Induces Type I Interferon Responses in Human Monocyte-Derived Cells. PLoS Pathogens, 2016, 12, e1005546.	2.1	168
60	Species-specific detection of the antiviral small-molecule compound CMA by STING. EMBO Journal, 2013, 32, 1440-1450.	3.5	162
61	Spontaneous Formation of Nucleic Acid-based Nanoparticles Is Responsible for High Interferon-Î± Induction by CpG-A in Plasmacytoid Dendritic Cells. Journal of Biological Chemistry, 2005, 280, 8086-8093.	1.6	160
62	Genetic regulatory effects modified by immune activation contribute to autoimmune disease associations. Nature Communications, 2017, 8, 266.	5.8	157
63	The NLRP3/ASC/Caspaseâ€1 axis regulates ILâ€1Î² processing in neutrophils. European Journal of Immunology, 2012, 42, 710-715.	1.6	155
64	Structural basis for sequestration and autoinhibition of cGAS by chromatin. Nature, 2020, 587, 678-682.	13.7	146
65	An NLRP3-specific inflammasome inhibitor attenuates crystal-induced kidney fibrosis inÂmice. Kidney International, 2016, 90, 525-539.	2.6	144
66	CRISPaint allows modular base-specific gene tagging using a ligase-4-dependent mechanism. Nature Communications, 2016, 7, 12338.	5.8	141
67	Of inflammasomes and pathogens â€“ sensing of microbes by the inflammasome. EMBO Molecular Medicine, 2013, 5, 814-826.	3.3	138
68	Human RIPK1 deficiency causes combined immunodeficiency and inflammatory bowel diseases. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 970-975.	3.3	130
69	Advances in CRISPR-Cas9 genome engineering: lessons learned from RNA interference. Nucleic Acids Research, 2015, 43, 3407-3419.	6.5	124
70	DNA-stimulated cell death: implications for host defence, inflammatory diseases and cancer. Nature Reviews Immunology, 2019, 19, 141-153.	10.6	123
71	OutKnocker: a web tool for rapid and simple genotyping of designer nuclease edited cell lines. Genome Research, 2014, 24, 1719-1723.	2.4	122
72	SAMHD1 is a biomarker for cytarabine response and a therapeutic target in acute myeloid leukemia. Nature Medicine, 2017, 23, 250-255.	15.2	121

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73	Influenza Virus Adaptation PB2-627K Modulates Nucleocapsid Inhibition by the Pathogen Sensor RIG-I. Cell Host and Microbe, 2015, 17, 309-319.	5.1	118
74	Pore formation by <scp>GSDMD</scp> is the effector mechanism of pyroptosis. EMBO Journal, 2016, 35, 2167-2169.	3.5	114
75	TLR8 Is a Sensor of RNase T2 Degradation Products. Cell, 2019, 179, 1264-1275.e13.	13.5	113
76	Postoperative Ileus Involves Interleukin-1 Receptor Signaling in Enteric Glia. Gastroenterology, 2014, 146, 176-187.e1.	0.6	110
77	Human <scp>TLR</scp> 8 senses <scp>UR</scp> / <scp>URR</scp> motifs in bacterial and mitochondrial <scp>RNA</scp>. EMBO Reports, 2015, 16, 1656-1663.	2.0	110
78	Group B Streptococcus Degrades Cyclic-di-AMP to Modulate STING-Dependent Type I Interferon Production. Cell Host and Microbe, 2016, 20, 49-59.	5.1	110
79	Aging-Associated TNF Production Primes Inflammasome Activation and NLRP3-Related Metabolic Disturbances. Journal of Immunology, 2016, 197, 2900-2908.	0.4	107
80	T Cell-Independent, TLR-Induced IL-12p70 Production in Primary Human Monocytes. Journal of Immunology, 2006, 176, 7438-7446.	0.4	102
81	CARD8 inflammasome activation triggers pyroptosis in human T cells. EMBO Journal, 2020, 39, e105071.	3.5	95
82	CpG-A and CpG-B oligonucleotides differentially enhance human peptideâ€“specific primary and memory CD8+ T-cell responses in vitro. Blood, 2004, 103, 2162-2169.	0.6	94
83	Intestinal Inflammation and Dysregulated Immunity in Patients With Inherited Caspase-8 Deficiency. Gastroenterology, 2019, 156, 275-278.	0.6	92
84	Selection of Molecular Structure and Delivery of RNA Oligonucleotides to Activate TLR7 versus TLR8 and to Induce High Amounts of IL-12p70 in Primary Human Monocytes. Journal of Immunology, 2009, 182, 6824-6833.	0.4	90
85	Alternative inflammasome activation enables IL-1Î² release from living cells. Current Opinion in Immunology, 2017, 44, 7-13.	2.4	87
86	The NLRP3 Inflammasome Renders Cell Death Pro-inflammatory. Journal of Molecular Biology, 2018, 430, 133-141.	2.0	87
87	AIM2 Drives Joint Inflammation in a Self-DNA Triggered Model of Chronic Polyarthritis. PLoS ONE, 2015, 10, e0131702.	1.1	85
88	Molecular Mechanism for p202-Mediated Specific Inhibition of AIM2 Inflammasome Activation. Cell Reports, 2013, 4, 327-339.	2.9	81
89	RNA Recognition via TLR7 and TLR8. Handbook of Experimental Pharmacology, 2008, , 71-86.	0.9	77
90	ATP hydrolysis by the viral RNA sensor RIG-I prevents unintentional recognition of self-RNA. ELife, 2015, 4, .	2.8	75

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91	Induction of type I IFNs by intracellular DNAâ€sensing pathways. Immunology and Cell Biology, 2012, 90, 474-482.	1.0	74
92	BAX/BAK-Induced Apoptosis Results in Caspase-8-Dependent IL-1Î² Maturation in Macrophages. Cell Reports, 2018, 25, 2354-2368.e5.	2.9	74
93	CpG ODN enhance antigen-specific NKT cell activation via plasmacytoid dendritic cells. European Journal of Immunology, 2005, 35, 2347-2357.	1.6	71
94	Nucleic acid driven sterile inflammation. Clinical Immunology, 2013, 147, 207-215.	1.4	69
95	Distinct CpG oligonucleotide sequences activate human Î³ Î´ T cells via interferon-Î±/-Î². European Journal of Immunology, 2001, 31, 3525-3534.	1.6	68
96	RIG-I Detects Triphosphorylated RNA of Listeria monocytogenes during Infection in Non-Immune Cells. PLoS ONE, 2013, 8, e62872.	1.1	68
97	Inflammasome-Dependent Induction of Adaptive NK Cell Memory. Immunity, 2016, 44, 1406-1421.	6.6	67
98	Type I Interferon Induction by Neisseria gonorrhoeae: Dual Requirement of Cyclic GMP-AMP Synthase and Toll-like Receptor 4. Cell Reports, 2016, 15, 2438-2448.	2.9	66
99	Comprehensive RNAi-based screening of human and mouse TLR pathways identifies species-specific preferences in signaling protein use. Science Signaling, 2016, 9, ra3.	1.6	66
100	iGLuc: a luciferase-based inflammasome and protease activity reporter. Nature Methods, 2013, 10, 147-154.	9.0	65
101	Selfâ€priming determines high type I <scp>IFN</scp> production by plasmacytoid dendritic cells. European Journal of Immunology, 2014, 44, 807-818.	1.6	63
102	Human plasmacytoid dendritic cells elicit a Type I Interferon response by sensing DNA via the cGASâ€STING signaling pathway. European Journal of Immunology, 2016, 46, 1615-1621.	1.6	63
103	Polysialic acid blocks mononuclear phagocyte reactivity, inhibits complement activation, and protects from vascular damage in the retina. EMBO Molecular Medicine, 2017, 9, 154-166.	3.3	63
104	ATP-Dependent Effector-like Functions of RIG-I-like Receptors. Molecular Cell, 2015, 58, 541-548.	4.5	62
105	Characterizing the genetic basis of innate immune response in TLR4-activated human monocytes. Nature Communications, 2014, 5, 5236.	5.8	61
106	MOV10 Provides Antiviral Activity against RNA Viruses by Enhancing RIG-Iâ€“MAVS-Independent IFN Induction. Journal of Immunology, 2016, 196, 3877-3886.	0.4	60
107	Suppression of Intratumoral CCL22 by Type I Interferon Inhibits Migration of Regulatory T Cells and Blocks Cancer Progression. Cancer Research, 2015, 75, 4483-4493.	0.4	59
108	Deletion of Alzheimer's diseaseâ€associated <scp>CD33</scp> results in an inflammatory human microglia phenotype. Glia, 2021, 69, 1393-1412.	2.5	59

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109	Structural and functional analysis reveals that human OASL binds dsRNA to enhance RIG-I signaling. Nucleic Acids Research, 2015, 43, 5236-5248.	6.5	57
110	KMT9 monomethylates histone H4 lysine 12 and controls proliferation of prostate cancer cells. Nature Structural and Molecular Biology, 2019, 26, 361-371.	3.6	57
111	Post-injury immunosuppression and secondary infections are caused by an AIM2 inflammasome-driven signaling cascade. Immunity, 2021, 54, 648-659.e8.	6.6	57
112	IRF1 Inhibits Antitumor Immunity through the Upregulation of PD-L1 in the Tumor Cell. Cancer Immunology Research, 2019, 7, 1258-1266.	1.6	56
113	Viral 5â€²â€triphosphate RNA and nonâ€CpG DNA aggravate autoimmunity and lupus nephritis via distinct TLRâ€independent immune responses. European Journal of Immunology, 2008, 38, 3487-3498.	1.6	55
114	Immunostimulatory RNA Blocks Suppression by Regulatory T Cells. Journal of Immunology, 2010, 184, 939-946.	0.4	55
115	Immunostimulatory RNA oligonucleotides trigger an antigen-specific cytotoxic T-cell and IgG2a response. Blood, 2007, 109, 2953-2960.	0.6	54
116	ZAKÎ±-driven ribotoxic stress response activates the human NLRP1 inflammasome. Science, 2022, 377, 328-335.	6.0	53
117	The Second-Generation Exportin-1 Inhibitor KPT-8602 Demonstrates Potent Activity against Acute Lymphoblastic Leukemia. Clinical Cancer Research, 2017, 23, 2528-2541.	3.2	52
118	The NLRP3 inflammasome pathway is activated in sarcoidosis and involved in granuloma formation. European Respiratory Journal, 2020, 55, 1900119.	3.1	51
119	Phosphorylation of murine SAMHD1 regulates its antiretroviral activity. Retrovirology, 2015, 12, 103.	0.9	48
120	NSs Virulence Factor of Rift Valley Fever Virus Engages the F-Box Proteins FBXW11 and Î²-TRCP1 To Degrade the Antiviral Protein Kinase PKR. Journal of Virology, 2016, 90, 6140-6147.	1.5	48
121	Immunology in clinic review series; focus on autoinflammatory diseases: inflammasomes: mechanisms of activation. Clinical and Experimental Immunology, 2012, 167, 369-381.	1.1	47
122	Synthesis of an arrayed sgRNA library targeting the human genome. Scientific Reports, 2015, 5, 14987.	1.6	46
123	cGAS-Mediated Innate Immunity Spreads Intercellularly through HIV-1 Env-Induced Membrane Fusion Sites. Cell Host and Microbe, 2016, 20, 443-457.	5.1	46
124	Cre-dependent DNA recombination activates a STING-dependent innate immune response. Nucleic Acids Research, 2016, 44, 5356-5364.	6.5	44
125	Immunoblotting for Active Caspase-1. Methods in Molecular Biology, 2013, 1040, 103-115.	0.4	43
126	Immunostimulatory RNA Oligonucleotides Induce an Effective Antitumoral NK Cell Response through the TLR7. Journal of Immunology, 2009, 183, 6078-6086.	0.4	42

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127	Warfarin and vitamin K compete for binding to Phe55 in human VKOR. Nature Structural and Molecular Biology, 2017, 24, 77-85.	3.6	42
128	Hepatitis B Virus DNA is a Substrate for the cGAS/STING Pathway but is not Sensed in Infected Hepatocytes. Viruses, 2020, 12, 592.	1.5	39
129	Cutting Edge: The UNC93B1 Tyrosine-Based Motif Regulates Trafficking and TLR Responses via Separate Mechanisms. Journal of Immunology, 2014, 193, 3257-3261.	0.4	37
130	Evidence for increased SARS-CoV-2 susceptibility and COVID-19 severity related to pre-existing immunity to seasonal coronaviruses. Cell Reports, 2021, 37, 110169.	2.9	34
131	Trif is not required for immune complex glomerulonephritis: dying cells activate mesangial cells via Tlr2/Myd88 rather than Tlr3/Trif. American Journal of Physiology - Renal Physiology, 2009, 296, F867-F874.	1.3	33
132	Cytosolic Gram-negative bacteria prevent apoptosis by inhibition of effector caspases through lipopolysaccharide. Nature Microbiology, 2020, 5, 354-367.	5.9	33
133	Deficient NLRP3 and AIM2 Inflammasome Function in Autoimmune NZB Mice. Journal of Immunology, 2015, 195, 1233-1241.	0.4	32
134	Phosphoproteome profiling uncovers a key role for CDKs in TNF signaling. Nature Communications, 2021, 12, 6053.	5.8	31
135	TLR8-driven IL-12â€“dependent Reciprocal and Synergistic Activation of NK Cells and Monocytes by Immunostimulatory RNA. Journal of Immunotherapy, 2009, 32, 262-271.	1.2	30
136	SnapShot: Nucleic Acid Immune Sensors, Part 1. Immunity, 2014, 41, 868-868.e1.	6.6	30
137	RIG-I Resists Hypoxia-Induced Immunosuppression and Dedifferentiation. Cancer Immunology Research, 2017, 5, 455-467.	1.6	29
138	Immune homeostasis and regulation of the interferon pathway require myeloid-derived Regnase-3. Journal of Experimental Medicine, 2019, 216, 1700-1723.	4.2	29
139	STING Contributes to Abnormal Bone Formation Induced by Deficiency of DNase II in Mice. Arthritis and Rheumatology, 2017, 69, 460-471.	2.9	27
140	Molecular mechanisms of nonself nucleic acid recognition by the innate immune system. European Journal of Immunology, 2021, 51, 1897-1910.	1.6	27
141	Beyond Double-Stranded RNA-Type I IFN Induction by 3pRNA and Other Viral Nucleic Acids. Current Topics in Microbiology and Immunology, 2007, 316, 207-230.	0.7	27
142	Extracorporeal Photopheresis Promotes IL-1Î² Production. Journal of Immunology, 2015, 194, 2569-2577.	0.4	25
143	SnapShot: Nucleic Acid Immune Sensors, Part 2. Immunity, 2014, 41, 1066-1066.e1.	6.6	24
144	Cytoplasmic RNA Sensor Pathways and Nitazoxanide Broadly Inhibit Intracellular Mycobacterium tuberculosis Growth. IScience, 2019, 22, 299-313.	1.9	24

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145	Control of Hepatitis C Virus Replication in Mouse Liver-Derived Cells by MAVS-Dependent Production of Type I and Type III Interferons. Journal of Virology, 2015, 89, 3833-3845.	1.5	23
146	Designer Nuclease-Mediated Generation of Knockout THP1 Cells. Methods in Molecular Biology, 2016, 1338, 261-272.	0.4	22
147	Prolonged IKKÎ² Inhibition Improves Ongoing CTL Antitumor Responses by Incapacitating Regulatory T Cells. Cell Reports, 2017, 21, 578-586.	2.9	22
148	Human NLRP1: From the shadows to center stage. Journal of Experimental Medicine, 2022, 219, .	4.2	22
149	Modeling Primary Human Monocytes with the Transâ€“Differentiation Cell Line BLaER1. Methods in Molecular Biology, 2018, 1714, 57-66.	0.4	21
150	Mitochondrial dsRNA: A New DAMP for MDA5. Developmental Cell, 2018, 46, 530-532.	3.1	20
151	cGASâ€“STING signaling. Current Biology, 2022, 32, R730-R734.	1.8	18
152	VKORC1 and VKORC1L1 have distinctly different oral anticoagulant dose-response characteristics and binding sites. Blood Advances, 2018, 2, 691-702.	2.5	17
153	An autoimmune disease risk variant: A trans master regulatory effect mediated by IRF1 under immune stimulation?. PLoS Genetics, 2021, 17, e1009684.	1.5	17
154	In-depth profiling of COVID-19 risk factors and preventive measures in healthcare workers. Infection, 2022, 50, 381-394.	2.3	17
155	No Indication for a Defect in Toll-Like Receptor Signaling in Patients with Hyper-IgE Syndrome. Journal of Clinical Immunology, 2005, 25, 321-328.	2.0	16
156	Enzymatic Synthesis and Purification of a Defined RIG-I Ligand. Methods in Molecular Biology, 2014, 1169, 15-25.	0.4	16
157	Where, in antiviral defense, does IFIT1 fit?. Nature Immunology, 2011, 12, 588-590.	7.0	15
158	DNA sensing unchained. Cell Research, 2013, 23, 585-587.	5.7	15
159	Activation of the NLRP3 Inflammasome by Hyaboron, a New Asymmetric Boron-Containing Macrodiolide from the Myxobacterium Hyalangium minutum. ACS Chemical Biology, 2018, 13, 2981-2988.	1.6	15
160	The PYHIN Protein p205 Regulates the Inflammasome by Controlling Asc Expression. Journal of Immunology, 2017, 199, 3249-3260.	0.4	14
161	Inflammasomes in T cells. Journal of Molecular Biology, 2022, 434, 167275.	2.0	14
162	TLR2 joins the interferon gang. Nature Immunology, 2009, 10, 1139-1141.	7.0	13

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163	AIM2 inflammasome-derived IL-1Î² induces postoperative ileus in mice. Scientific Reports, 2019, 9, 10602.	1.6	13
164	The antiviral activity of rodent and lagomorph SERINC3 and SERINC5 is counteracted by known viral antagonists. Journal of General Virology, 2019, 100, 278-288.	1.3	13
165	STING Signaling the enERGIC Way. Cell Host and Microbe, 2015, 18, 137-139.	5.1	12
166	Frequently used bioinformatics tools overestimate the damaging effect of allelic variants. Genes and Immunity, 2019, 20, 10-22.	2.2	12
167	Rapid, efficient and activation-neutral gene editing of polyclonal primary human resting CD4+ T cells allows complex functional analyses. Nature Methods, 2022, 19, 81-89.	9.0	12
168	An unexpected role for RNA in the recognition of DNA by the innate immune system. RNA Biology, 2010, 7, 151-157.	1.5	11
169	Ligation-Independent Cloning (LIC) Assembly of TALEN Genes. Methods in Molecular Biology, 2015, 1239, 161-169.	0.4	11
170	BrowserGenome.org: web-based RNA-seq data analysis and visualization. Nature Methods, 2015, 12, 1001-1001.	9.0	11
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