

# Veit Hornung

## List of Publications by Year in descending order

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Version: 2024-02-01

196  
papers

46,136  
citations

5569

82  
h-index

2624

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. <i>Cell</i> , 2007, 129, 1401-1414.	13.5	3,390
2	NLRP3 inflammasomes are required for atherogenesis and activated by cholesterol crystals. <i>Nature</i> , 2010, 464, 1357-1361.	13.7	3,130
3	Silica crystals and aluminum salts activate the NALP3 inflammasome through phagosomal destabilization. <i>Nature Immunology</i> , 2008, 9, 847-856.	7.0	2,568
4	Cutting Edge: NF- $\kappa$ B Activating Pattern Recognition and Cytokine Receptors License NLRP3 Inflammasome Activation by Regulating NLRP3 Expression. <i>Journal of Immunology</i> , 2009, 183, 787-791.	0.4	2,281
5	AIM2 recognizes cytosolic dsDNA and forms a caspase-1-activating inflammasome with ASC. <i>Nature</i> , 2009, 458, 514-518.	13.7	2,098
6	5'-Triphosphate RNA Is the Ligand for RIG-I. <i>Science</i> , 2006, 314, 994-997.	6.0	2,094
7	The NALP3 inflammasome is involved in the innate immune response to amyloid- $\beta$ . <i>Nature Immunology</i> , 2008, 9, 857-865.	7.0	2,047
8	Quantitative Expression of Toll-Like Receptor 1 $\alpha$ mRNA in Cellular Subsets of Human Peripheral Blood Mononuclear Cells and Sensitivity to CpG Oligodeoxynucleotides. <i>Journal of Immunology</i> , 2002, 168, 4531-4537.	0.4	1,780
9	cGAS produces a 2 $\epsilon$ -5 $\epsilon$ -linked cyclic dinucleotide second messenger that activates STING. <i>Nature</i> , 2013, 498, 380-384.	13.7	1,193
10	Sequence-specific potent induction of IFN- $\beta$ by short interfering RNA in plasmacytoid dendritic cells through TLR7. <i>Nature Medicine</i> , 2005, 11, 263-270.	15.2	1,153
11	The AIM2 inflammasome is essential for host defense against cytosolic bacteria and DNA viruses. <i>Nature Immunology</i> , 2010, 11, 395-402.	7.0	1,113
12	Molecular mechanisms and cellular functions of cGAS $\rightarrow$ STING signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 501-521.	16.1	846
13	Identification of CpG oligonucleotide sequences with high induction of IFN- $\beta$ / $\gamma$ in plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2001, 31, 2154-2163.	1.6	790
14	RIG-I-dependent sensing of poly(dA:dT) through the induction of an RNA polymerase III $\rightarrow$ transcribed RNA intermediate. <i>Nature Immunology</i> , 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. <i>European Journal of Immunology</i> , 2001, 31, 3026-3037.	1.6	704
16	Recognition of 5 $\epsilon$ Triphosphate by RIG-I Helicase Requires Short Blunt Double-Stranded RNA as Contained in Panhandle of Negative-Strand Virus. <i>Immunity</i> , 2009, 31, 25-34.	6.6	660
17	Human Monocytes Engage an Alternative Inflammasome Pathway. <i>Immunity</i> , 2016, 44, 833-846.	6.6	619
18	Structural mechanism of cytosolic DNA sensing by cGAS. <i>Nature</i> , 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. <i>Journal of Immunology</i> , 2011, 187, 613-617.	0.4	506
20	Cell intrinsic immunity spreads to bystander cells via the intercellular transfer of cGAMP. <i>Nature</i> , 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 1 $\beta$ production. <i>Nature Immunology</i> , 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. <i>Immunity</i> , 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. <i>Cell</i> , 2017, 171, 1110-1124.e18.	13.5	431
24	NLRP3 Inflammasome Activity Is Negatively Controlled by miR-223. <i>Journal of Immunology</i> , 2012, 189, 4175-4181.	0.4	402
25	Recognition of Endogenous Nucleic Acids by the Innate Immune System. <i>Immunity</i> , 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. <i>Journal of Biological Chemistry</i> , 2016, 291, 103-109.	1.6	359
27	5 $\beta$ -triphosphate-siRNA: turning gene silencing and RIG-I activation against melanoma. <i>Nature Medicine</i> , 2008, 14, 1256-1263.	15.2	353
28	cGAS senses long and HMGB/TFAM-bound U-turn DNA by forming protein-DNA ladders. <i>Nature</i> , 2017, 549, 394-398.	13.7	346
29	Cytosolic DNA Triggers Inflammasome Activation in Keratinocytes in Psoriatic Lesions. <i>Science Translational Medicine</i> , 2011, 3, 82ra38.	5.8	342
30	Mycobacterium tuberculosis Differentially Activates cGAS- and Inflammasome-Dependent Intracellular Immune Responses through ESX-1. <i>Cell Host and Microbe</i> , 2015, 17, 799-810.	5.1	341
31	Proapoptotic signaling induced by RIG-I and MDA-5 results in type I interferon-independent apoptosis in human melanoma cells. <i>Journal of Clinical Investigation</i> , 2009, 119, 2399-411.	3.9	322
32	Intracellular DNA recognition. <i>Nature Reviews Immunology</i> , 2010, 10, 123-130.	10.6	320
33	Plasmacytoid Dendritic Cells Control TLR7 Sensitivity of Naive B Cells via Type I IFN. <i>Journal of Immunology</i> , 2005, 174, 4043-4050.	0.4	319
34	Inflammasomes: current understanding and open questions. <i>Cellular and Molecular Life Sciences</i> , 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. <i>Journal of Immunology</i> , 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. <i>Blood</i> , 2004, 103, 3058-3064.	0.6	264

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37	Cytosolic RNA:DNA hybrids activate the cGAS-“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	Caspase-4 mediates non-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 activator-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	<i>Listeria monocytogenes</i> 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 N1-2'-O-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- $\alpha$ 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 TiO <sub>2</sub> nanoparticles 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. <i>Nature Communications</i> , 2015, 6, 8755.	5.8	175
56	Functional IRF3 deficiency in a patient with herpes simplex encephalitis. <i>Journal of Experimental Medicine</i> , 2015, 212, 1371-1379.	4.2	171
57	Human <i>GBP1</i> is a microbe-specific gatekeeper of macrophage apoptosis and pyroptosis. <i>EMBO Journal</i> , 2019, 38, e100926.	3.5	170
58	Influenza A virus targets a cGAS-independent STING pathway that controls enveloped RNA viruses. <i>Nature Communications</i> , 2016, 7, 10680.	5.8	169
59	cGAS Senses Human Cytomegalovirus and Induces Type I Interferon Responses in Human Monocyte-Derived Cells. <i>PLoS Pathogens</i> , 2016, 12, e1005546.	2.1	168
60	Species-specific detection of the antiviral small-molecule compound CMA by STING. <i>EMBO Journal</i> , 2013, 32, 1440-1450.	3.5	162
61	Spontaneous Formation of Nucleic Acid-based Nanoparticles Is Responsible for High Interferon- $\beta$ Induction by CpG-A in Plasmacytoid Dendritic Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 8086-8093.	1.6	160
62	Genetic regulatory effects modified by immune activation contribute to autoimmune disease associations. <i>Nature Communications</i> , 2017, 8, 266.	5.8	157
63	The NLRP3/ASC/Caspase-1 axis regulates IL-1 $\beta$ processing in neutrophils. <i>European Journal of Immunology</i> , 2012, 42, 710-715.	1.6	155
64	Structural basis for sequestration and autoinhibition of cGAS by chromatin. <i>Nature</i> , 2020, 587, 678-682.	13.7	146
65	An NLRP3-specific inflammasome inhibitor attenuates crystal-induced kidney fibrosis in mice. <i>Kidney International</i> , 2016, 90, 525-539.	2.6	144
66	CRISPaint allows modular base-specific gene tagging using a ligase-4-dependent mechanism. <i>Nature Communications</i> , 2016, 7, 12338.	5.8	141
67	Of inflammasomes and pathogens – sensing of microbes by the inflammasome. <i>EMBO Molecular Medicine</i> , 2013, 5, 814-826.	3.3	138
68	Human RIPK1 deficiency causes combined immunodeficiency and inflammatory bowel diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 970-975.	3.3	130
69	Advances in CRISPR-Cas9 genome engineering: lessons learned from RNA interference. <i>Nucleic Acids Research</i> , 2015, 43, 3407-3419.	6.5	124
70	DNA-stimulated cell death: implications for host defence, inflammatory diseases and cancer. <i>Nature Reviews Immunology</i> , 2019, 19, 141-153.	10.6	123
71	OutKnocker: a web tool for rapid and simple genotyping of designer nuclease edited cell lines. <i>Genome Research</i> , 2014, 24, 1719-1723.	2.4	122
72	SAMHD1 is a biomarker for cytarabine response and a therapeutic target in acute myeloid leukemia. <i>Nature Medicine</i> , 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. <i>Cell Host and Microbe</i> , 2015, 17, 309-319.	5.1	118
74	Pore formation by GSDMD is the effector mechanism of pyroptosis. <i>EMBO Journal</i> , 2016, 35, 2167-2169.	3.5	114
75	TLR8 Is a Sensor of RNase T2 Degradation Products. <i>Cell</i> , 2019, 179, 1264-1275.e13.	13.5	113
76	Postoperative Ileus Involves Interleukin-1 Receptor Signaling in Enteric Glia. <i>Gastroenterology</i> , 2014, 146, 176-187.e1.	0.6	110
77	Human TLR 8 senses UR / URR motifs in bacterial and mitochondrial RNA. <i>EMBO Reports</i> , 2015, 16, 1656-1663.	2.0	110
78	Group B Streptococcus Degrades Cyclic-di-AMP to Modulate STING-Dependent Type I Interferon Production. <i>Cell Host and Microbe</i> , 2016, 20, 49-59.	5.1	110
79	Aging-Associated TNF Production Primes Inflammasome Activation and NLRP3-Related Metabolic Disturbances. <i>Journal of Immunology</i> , 2016, 197, 2900-2908.	0.4	107
80	T Cell-Independent, TLR-Induced IL-12p70 Production in Primary Human Monocytes. <i>Journal of Immunology</i> , 2006, 176, 7438-7446.	0.4	102
81	CARD8 inflammasome activation triggers pyroptosis in human T cells. <i>EMBO Journal</i> , 2020, 39, e105071.	3.5	95
82	CpG-A and CpG-B oligonucleotides differentially enhance human peptide-specific primary and memory CD8+ T-cell responses in vitro. <i>Blood</i> , 2004, 103, 2162-2169.	0.6	94
83	Intestinal Inflammation and Dysregulated Immunity in Patients With Inherited Caspase-8 Deficiency. <i>Gastroenterology</i> , 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. <i>Journal of Immunology</i> , 2009, 182, 6824-6833.	0.4	90
85	Alternative inflammasome activation enables IL-1 $\beta$ release from living cells. <i>Current Opinion in Immunology</i> , 2017, 44, 7-13.	2.4	87
86	The NLRP3 Inflammasome Renders Cell Death Pro-inflammatory. <i>Journal of Molecular Biology</i> , 2018, 430, 133-141.	2.0	87
87	AIM2 Drives Joint Inflammation in a Self-DNA Triggered Model of Chronic Polyarthritis. <i>PLoS ONE</i> , 2015, 10, e0131702.	1.1	85
88	Molecular Mechanism for p202-Mediated Specific Inhibition of AIM2 Inflammasome Activation. <i>Cell Reports</i> , 2013, 4, 327-339.	2.9	81
89	RNA Recognition via TLR7 and TLR8. <i>Handbook of Experimental Pharmacology</i> , 2008, , 71-86.	0.9	77
90	ATP hydrolysis by the viral RNA sensor RIG-I prevents unintentional recognition of self-RNA. <i>ELife</i> , 2015, 4, .	2.8	75

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91	Induction of type I IFNs by intracellular DNA sensing pathways. <i>Immunology and Cell Biology</i> , 2012, 90, 474-482.	1.0	74
92	BAX/BAK-Induced Apoptosis Results in Caspase-8-Dependent IL-1 $\beta$ Maturation in Macrophages. <i>Cell Reports</i> , 2018, 25, 2354-2368.e5.	2.9	74
93	CpG ODN enhance antigen-specific NKT cell activation via plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2005, 35, 2347-2357.	1.6	71
94	Nucleic acid driven sterile inflammation. <i>Clinical Immunology</i> , 2013, 147, 207-215.	1.4	69
95	Distinct CpG oligonucleotide sequences activate human $\beta$ 1 T cells via interferon- $\beta$ / $\beta$ 2. <i>European Journal of Immunology</i> , 2001, 31, 3525-3534.	1.6	68
96	RIG-I Detects Triphosphorylated RNA of <i>Listeria monocytogenes</i> during Infection in Non-Immune Cells. <i>PLoS ONE</i> , 2013, 8, e62872.	1.1	68
97	Inflammasome-Dependent Induction of Adaptive NK Cell Memory. <i>Immunity</i> , 2016, 44, 1406-1421.	6.6	67
98	Type I Interferon Induction by <i>Neisseria gonorrhoeae</i> : Dual Requirement of Cyclic GMP-AMP Synthase and Toll-like Receptor 4. <i>Cell Reports</i> , 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. <i>Science Signaling</i> , 2016, 9, ra3.	1.6	66
100	iLuc: a luciferase-based inflammasome and protease activity reporter. <i>Nature Methods</i> , 2013, 10, 147-154.	9.0	65
101	Self-priming determines high type I IFN production by plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2014, 44, 807-818.	1.6	63
102	Human plasmacytoid dendritic cells elicit a Type I Interferon response by sensing DNA via the cGAS-STING signaling pathway. <i>European Journal of Immunology</i> , 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. <i>EMBO Molecular Medicine</i> , 2017, 9, 154-166.	3.3	63
104	ATP-Dependent Effector-like Functions of RIG-I-like Receptors. <i>Molecular Cell</i> , 2015, 58, 541-548.	4.5	62
105	Characterizing the genetic basis of innate immune response in TLR4-activated human monocytes. <i>Nature Communications</i> , 2014, 5, 5236.	5.8	61
106	MOV10 Provides Antiviral Activity against RNA Viruses by Enhancing RIG-I MAVS-Independent IFN Induction. <i>Journal of Immunology</i> , 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. <i>Cancer Research</i> , 2015, 75, 4483-4493.	0.4	59
108	Deletion of Alzheimer's disease-associated CD33 results in an inflammatory human microglia phenotype. <i>Glia</i> , 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. <i>Nucleic Acids Research</i> , 2015, 43, 5236-5248.	6.5	57
110	KMT9 monomethylates histone H4 lysine 12 and controls proliferation of prostate cancer cells. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 361-371.	3.6	57
111	Post-injury immunosuppression and secondary infections are caused by an AIM2 inflammasome-driven signaling cascade. <i>Immunity</i> , 2021, 54, 648-659.e8.	6.6	57
112	IRF1 Inhibits Antitumor Immunity through the Upregulation of PD-L1 in the Tumor Cell. <i>Cancer Immunology Research</i> , 2019, 7, 1258-1266.	1.6	56
113	Viral 5â€²-â€³triphosphate RNA and nonâ€³CpG DNA aggravate autoimmunity and lupus nephritis <i>via</i> distinct TLRâ€³-independent immune responses. <i>European Journal of Immunology</i> , 2008, 38, 3487-3498.	1.6	55
114	Immunostimulatory RNA Blocks Suppression by Regulatory T Cells. <i>Journal of Immunology</i> , 2010, 184, 939-946.	0.4	55
115	Immunostimulatory RNA oligonucleotides trigger an antigen-specific cytotoxic T-cell and IgG2a response. <i>Blood</i> , 2007, 109, 2953-2960.	0.6	54
116	ZAKÎ±-driven ribotoxic stress response activates the human NLRP1 inflammasome. <i>Science</i> , 2022, 377, 328-335.	6.0	53
117	The Second-Generation Exportin-1 Inhibitor KPT-8602 Demonstrates Potent Activity against Acute Lymphoblastic Leukemia. <i>Clinical Cancer Research</i> , 2017, 23, 2528-2541.	3.2	52
118	The NLRP3 inflammasome pathway is activated in sarcoidosis and involved in granuloma formation. <i>European Respiratory Journal</i> , 2020, 55, 1900119.	3.1	51
119	Phosphorylation of murine SAMHD1 regulates its antiretroviral activity. <i>Retrovirology</i> , 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. <i>Journal of Virology</i> , 2016, 90, 6140-6147.	1.5	48
121	Immunology in clinic review series; focus on autoinflammatory diseases: inflammasomes: mechanisms of activation. <i>Clinical and Experimental Immunology</i> , 2012, 167, 369-381.	1.1	47
122	Synthesis of an arrayed sgRNA library targeting the human genome. <i>Scientific Reports</i> , 2015, 5, 14987.	1.6	46
123	cGAS-Mediated Innate Immunity Spreads Intercellularly through HIV-1 Env-Induced Membrane Fusion Sites. <i>Cell Host and Microbe</i> , 2016, 20, 443-457.	5.1	46
124	Cre-dependent DNA recombination activates a STING-dependent innate immune response. <i>Nucleic Acids Research</i> , 2016, 44, 5356-5364.	6.5	44
125	Immunoblotting for Active Caspase-1. <i>Methods in Molecular Biology</i> , 2013, 1040, 103-115.	0.4	43
126	Immunostimulatory RNA Oligonucleotides Induce an Effective Antitumoral NK Cell Response through the TLR7. <i>Journal of Immunology</i> , 2009, 183, 6078-6086.	0.4	42



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127	Warfarin and vitamin K compete for binding to Phe55 in human VKOR. <i>Nature Structural and Molecular Biology</i> , 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. <i>Viruses</i> , 2020, 12, 592.	1.5	39
129	Cutting Edge: The UNC93B1 Tyrosine-Based Motif Regulates Trafficking and TLR Responses via Separate Mechanisms. <i>Journal of Immunology</i> , 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. <i>Cell Reports</i> , 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. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F867-F874.	1.3	33
132	Cytosolic Gram-negative bacteria prevent apoptosis by inhibition of effector caspases through lipopolysaccharide. <i>Nature Microbiology</i> , 2020, 5, 354-367.	5.9	33
133	Deficient NLRP3 and AIM2 Inflammasome Function in Autoimmune NZB Mice. <i>Journal of Immunology</i> , 2015, 195, 1233-1241.	0.4	32
134	Phosphoproteome profiling uncovers a key role for CDKs in TNF signaling. <i>Nature Communications</i> , 2021, 12, 6053.	5.8	31
135	TLR8-driven IL-12 $\alpha$ dependent Reciprocal and Synergistic Activation of NK Cells and Monocytes by Immunostimulatory RNA. <i>Journal of Immunotherapy</i> , 2009, 32, 262-271.	1.2	30
136	SnapShot: Nucleic Acid Immune Sensors, Part 1. <i>Immunity</i> , 2014, 41, 868-868.e1.	6.6	30
137	RIG-I Resists Hypoxia-Induced Immunosuppression and Dedifferentiation. <i>Cancer Immunology Research</i> , 2017, 5, 455-467.	1.6	29
138	Immune homeostasis and regulation of the interferon pathway require myeloid-derived Regnase-3. <i>Journal of Experimental Medicine</i> , 2019, 216, 1700-1723.	4.2	29
139	STING Contributes to Abnormal Bone Formation Induced by Deficiency of DNase II in Mice. <i>Arthritis and Rheumatology</i> , 2017, 69, 460-471.	2.9	27
140	Molecular mechanisms of nonself nucleic acid recognition by the innate immune system. <i>European Journal of Immunology</i> , 2021, 51, 1897-1910.	1.6	27
141	Beyond Double-Stranded RNA-Type I IFN Induction by 3pRNA and Other Viral Nucleic Acids. <i>Current Topics in Microbiology and Immunology</i> , 2007, 316, 207-230.	0.7	27
142	Extracorporeal Photopheresis Promotes IL-1 $\beta$ Production. <i>Journal of Immunology</i> , 2015, 194, 2569-2577.	0.4	25
143	SnapShot: Nucleic Acid Immune Sensors, Part 2. <i>Immunity</i> , 2014, 41, 1066-1066.e1.	6.6	24
144	Cytoplasmic RNA Sensor Pathways and Nitazoxanide Broadly Inhibit Intracellular Mycobacterium tuberculosis Growth. <i>IScience</i> , 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. <i>Journal of Virology</i> , 2015, 89, 3833-3845.	1.5	23
146	Designer Nuclease-Mediated Generation of Knockout THP1 Cells. <i>Methods in Molecular Biology</i> , 2016, 1338, 261-272.	0.4	22
147	Prolonged IKK $\hat{2}$ Inhibition Improves Ongoing CTL Antitumor Responses by Incapacitating Regulatory T Cells. <i>Cell Reports</i> , 2017, 21, 578-586.	2.9	22
148	Human NLRP1: From the shadows to center stage. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	22
149	Modeling Primary Human Monocytes with the Trans $\hat{e}$ Differentiation Cell Line BLaER1. <i>Methods in Molecular Biology</i> , 2018, 1714, 57-66.	0.4	21
150	Mitochondrial dsRNA: A New DAMP for MDA5. <i>Developmental Cell</i> , 2018, 46, 530-532.	3.1	20
151	cGAS $\hat{e}$ STING signaling. <i>Current Biology</i> , 2022, 32, R730-R734.	1.8	18
152	VKORC1 and VKORC1L1 have distinctly different oral anticoagulant dose-response characteristics and binding sites. <i>Blood Advances</i> , 2018, 2, 691-702.	2.5	17
153	An autoimmune disease risk variant: A trans master regulatory effect mediated by IRF1 under immune stimulation?. <i>PLoS Genetics</i> , 2021, 17, e1009684.	1.5	17
154	In-depth profiling of COVID-19 risk factors and preventive measures in healthcare workers. <i>Infection</i> , 2022, 50, 381-394.	2.3	17
155	No Indication for a Defect in Toll-Like Receptor Signaling in Patients with Hyper-IgE Syndrome. <i>Journal of Clinical Immunology</i> , 2005, 25, 321-328.	2.0	16
156	Enzymatic Synthesis and Purification of a Defined RIG-I Ligand. <i>Methods in Molecular Biology</i> , 2014, 1169, 15-25.	0.4	16
157	Where, in antiviral defense, does IFIT1 fit?. <i>Nature Immunology</i> , 2011, 12, 588-590.	7.0	15
158	DNA sensing unchained. <i>Cell Research</i> , 2013, 23, 585-587.	5.7	15
159	Activation of the NLRP3 Inflammasome by Hyaboron, a New Asymmetric Boron-Containing Macrodiolide from the Myxobacterium <i>Hyalangium minutum</i> . <i>ACS Chemical Biology</i> , 2018, 13, 2981-2988.	1.6	15
160	The PYHIN Protein p205 Regulates the Inflammasome by Controlling Asc Expression. <i>Journal of Immunology</i> , 2017, 199, 3249-3260.	0.4	14
161	Inflammasomes in T cells. <i>Journal of Molecular Biology</i> , 2022, 434, 167275.	2.0	14
162	TLR2 joins the interferon gang. <i>Nature Immunology</i> , 2009, 10, 1139-1141.	7.0	13

#	ARTICLE	IF	CITATIONS
163	ALM2 inflammasome-derived IL-1 $\beta$ induces postoperative ileus in mice. <i>Scientific Reports</i> , 2019, 9, 10602.	1.6	13
164	The antiviral activity of rodent and lagomorph SERINC3 and SERINC5 is counteracted by known viral antagonists. <i>Journal of General Virology</i> , 2019, 100, 278-288.	1.3	13
165	STING Signaling the enERGIC Way. <i>Cell Host and Microbe</i> , 2015, 18, 137-139.	5.1	12
166	Frequently used bioinformatics tools overestimate the damaging effect of allelic variants. <i>Genes and Immunity</i> , 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. <i>Nature Methods</i> , 2022, 19, 81-89.	9.0	12
168	An unexpected role for RNA in the recognition of DNA by the innate immune system. <i>RNA Biology</i> , 2010, 7, 151-157.	1.5	11
169	Ligation-Independent Cloning (LIC) Assembly of TALEN Genes. <i>Methods in Molecular Biology</i> , 2015, 1239, 161-169.	0.4	11
170	BrowserGenome.org: web-based RNA-seq data analysis and visualization. <i>Nature Methods</i> , 2015, 12, 1001-1001.	9.0	11
171	Reduced mitochondrial resilience enables non-canonical induction of apoptosis after TNF receptor signaling in virus-infected hepatocytes. <i>Journal of Hepatology</i> , 2020, 73, 1347-1359.	1.8	11
172	GGCX mutations show different responses to vitamin K thereby determining the severity of the hemorrhagic phenotype in VKCFD1 patients. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 1412-1424.	1.9	8
173	Irgm2 and Gate $\epsilon$ 16 put a break on caspase $\epsilon$ 11 activation. <i>EMBO Reports</i> , 2020, 21, e51787.	2.0	8
174	ICG-001 affects DRP1 activity and ER stress correlative with its anti-proliferative effect. <i>Oncotarget</i> , 2017, 8, 106764-106777.	0.8	8
175	New Approaches for Absolute Quantification of Stable $\epsilon$ isotope $\epsilon$ Labeled Peptide Standards for Targeted Proteomics Based on a UV Active Tag. <i>Proteomics</i> , 2020, 20, e2000007.	1.3	7
176	DPP9 restrains NLRP1 activation. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 333-336.	3.6	7
177	C-tag TNF: a reporter system to study TNF shedding. <i>Journal of Biological Chemistry</i> , 2020, 295, 18065-18075.	1.6	7
178	Molecular Signature of Astrocytes for Gene Delivery by the Synthetic Adeno $\epsilon$ Associated Viral Vector rAAV9P1. <i>Advanced Science</i> , 2022, 9, e2104979.	5.6	7
179	Cell Cycle Effects of Radiation on Human Bronchial Epithelium and Lung Carcinoma Cells in Monolayer Cultures and a Three-Dimensional Co-culture System. <i>Radiation Research</i> , 2005, 164, 391-399.	0.7	6
180	Critical role of nucleotide-binding oligomerization domain-like receptor 3 in vascular repair. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 627-631.	1.0	6

#	ARTICLE	IF	CITATIONS
181	Measuring IL-1 $\beta$ Processing by Bioluminescence Sensors II: The iGLuc System. <i>Methods in Molecular Biology</i> , 2016, 1417, 97-113.	0.4	5
182	Genome Replication Is Associated With Release of Immunogenic DNA Waste. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	5
183	Sox2 as a servant of two masters. <i>Nature Immunology</i> , 2015, 16, 335-336.	7.0	4
184	Cyclic Dinucleotides in the Scope of the Mammalian Immune System. <i>Handbook of Experimental Pharmacology</i> , 2016, 238, 269-289.	0.9	4
185	Insights into Innate Sensing of Prototype Foamy Viruses in Myeloid Cells. <i>Viruses</i> , 2019, 11, 1095.	1.5	4
186	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. , 2001, 31, 3026.		3
187	Identification of CpG oligonucleotide sequences with high induction of IFN- $\beta$ in plasmacytoid dendritic cells. , 2001, 31, 2154.		3
188	Hepatitis-D Virus Infection Is Not Impaired by Innate Immunity but Increases Cytotoxic T-Cell Activity. <i>Cells</i> , 2021, 10, 3253.	1.8	3
189	Retroviral Danger from Within: TLR7 Is in Control. <i>Immunity</i> , 2012, 37, 763-766.	6.6	2
190	Mechanisms of IL-1 $\beta$ Maturation in Neutrophils. <i>Else-Kröner-Fresenius-Symposia</i> , 2013, , 15-23.	0.1	2
191	GGCX variants leading to biallelic deficiency to $\beta$ -carboxylate GRP cause skin laxity in VKCFD1 patients. <i>Human Mutation</i> , 2022, 43, 42-55.	1.1	2
192	'Toll2008' outgrows its name. <i>Nature Immunology</i> , 2009, 10, 7-10.	7.0	1
193	Homing in on gasdermins: How fungi regulate cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2201192119.	3.3	1
194	Front Cover: New Approaches for Absolute Quantification of Stable $\beta$ -isotope $\beta$ -Labeled Peptide Standards for Targeted Proteomics Based on a UV Active Tag. <i>Proteomics</i> , 2020, 20, 2070081.	1.3	0
195	RNA Interference in Scope of Immune System. , 2008, , 207-226.		0
196	Fourth defence molecule completes antiviral line-up. <i>Nature</i> , 2020, 581, 266-267.	18.7	0