

Veit Hornung

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190
papers

35,812
citations

74
h-index

189
g-index

215
ext. papers

41,840
ext. citations

15
avg, IF

7.12
L-index

#	Paper	IF	Citations
190	A mammalian microRNA expression atlas based on small RNA library sequencing. <i>Cell</i> , 2007 , 129, 1401-1414	46.2	3005
189	NLRP3 inflammasomes are required for atherogenesis and activated by cholesterol crystals. <i>Nature</i> , 2010 , 464, 1357-61	50.4	2450
188	Silica crystals and aluminum salts activate the NALP3 inflammasome through phagosomal destabilization. <i>Nature Immunology</i> , 2008 , 9, 847-56	19.1	2089
187	5'Triphosphate RNA is the ligand for RIG-I. <i>Science</i> , 2006 , 314, 994-7	33.3	1826
186	AIM2 recognizes cytosolic dsDNA and forms a caspase-1-activating inflammasome with ASC. <i>Nature</i> , 2009 , 458, 514-8	50.4	1729
185	Cutting edge: NF-kappaB activating pattern recognition and cytokine receptors license NLRP3 inflammasome activation by regulating NLRP3 expression. <i>Journal of Immunology</i> , 2009 , 183, 787-91	5.3	1704
184	The NALP3 inflammasome is involved in the innate immune response to amyloid-beta. <i>Nature Immunology</i> , 2008 , 9, 857-65	19.1	1646
183	Quantitative expression of toll-like receptor 1-10 mRNA in cellular subsets of human peripheral blood mononuclear cells and sensitivity to CpG oligodeoxynucleotides. <i>Journal of Immunology</i> , 2002 , 168, 4531-7	5.3	1574
182	Sequence-specific potent induction of IFN-alpha by short interfering RNA in plasmacytoid dendritic cells through TLR7. <i>Nature Medicine</i> , 2005 , 11, 263-70	50.5	1026
181	The AIM2 inflammasome is essential for host defense against cytosolic bacteria and DNA viruses. <i>Nature Immunology</i> , 2010 , 11, 395-402	19.1	944
180	cGAS produces a 2'5' linked cyclic dinucleotide second messenger that activates STING. <i>Nature</i> , 2013 , 498, 380-4	50.4	822
179	Identification of CpG oligonucleotide sequences with high induction of IFN-alpha/beta in plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2001 , 31, 2154-63	6.1	733
178	RIG-I-dependent sensing of poly(dA:dT) through the induction of an RNA polymerase III-transcribed RNA intermediate. <i>Nature Immunology</i> , 2009 , 10, 1065-72	19.1	645
177	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, 3026-37	6.1	643
176	Recognition of 5'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	32.3	564
175	Cutting edge: reactive oxygen species inhibitors block priming, but not activation, of the NLRP3 inflammasome. <i>Journal of Immunology</i> , 2011 , 187, 613-7	5.3	431
174	Structural mechanism of cytosolic DNA sensing by cGAS. <i>Nature</i> , 2013 , 498, 332-7	50.4	410

173	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, 63-9	19.1	407
172	Human Monocytes Engage an Alternative Inflammasome Pathway. <i>Immunity</i> , 2016 , 44, 833-46	32.3	389
171	Cell intrinsic immunity spreads to bystander cells via the intercellular transfer of cGAMP. <i>Nature</i> , 2013 , 503, 530-4	50.4	357
170	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, 561-71	32.3	352
169	NLRP3 inflammasome activity is negatively controlled by miR-223. <i>Journal of Immunology</i> , 2012 , 189, 4175-81	5.3	312
168	5QTriphosphate-siRNA: turning gene silencing and Rig-I activation against melanoma. <i>Nature Medicine</i> , 2008 , 14, 1256-63	50.5	307
167	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, 4465-74	5.3	282
166	Recognition of Endogenous Nucleic Acids by the Innate Immune System. <i>Immunity</i> , 2016 , 44, 739-54	32.3	282
165	Plasmacytoid dendritic cells control TLR7 sensitivity of naive B cells via type I IFN. <i>Journal of Immunology</i> , 2005 , 174, 4043-50	5.3	281
164	Cytosolic DNA triggers inflammasome activation in keratinocytes in psoriatic lesions. <i>Science Translational Medicine</i> , 2011 , 3, 82ra38	17.5	278
163	Intracellular DNA recognition. <i>Nature Reviews Immunology</i> , 2010 , 10, 123-30	36.5	278
162	Inflammasomes: current understanding and open questions. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 765-83	10.3	271
161	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	15.9	270
160	Mycobacterium tuberculosis Differentially Activates cGAS- and Inflammasome-Dependent Intracellular Immune Responses through ESX-1. <i>Cell Host and Microbe</i> , 2015 , 17, 799-810	23.4	265
159	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, 103-9	5.4	262
158	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	56.2	240
157	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, 3058-64	2.2	235
156	Molecular mechanisms and cellular functions of cGAS-STING signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2020 , 21, 501-521	48.7	234

155	cGAS senses long and HMGB/TFAM-bound U-turn DNA by forming protein-DNA ladders. <i>Nature</i> , 2017 , 549, 394-398	50.4	212
154	Critical functions of priming and lysosomal damage for NLRP3 activation. <i>European Journal of Immunology</i> , 2010 , 40, 620-3	6.1	211
153	Listeria monocytogenes is sensed by the NLRP3 and AIM2 inflammasome. <i>European Journal of Immunology</i> , 2010 , 40, 1545-51	6.1	199
152	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. <i>Journal of Virology</i> , 2005 , 79, 5507-15	6.6	196
151	A ligation-independent cloning technique for high-throughput assembly of transcription activator-like effector genes. <i>Nature Biotechnology</i> , 2013 , 31, 76-81	44.5	191
150	Cytosolic RNA:DNA hybrids activate the cGAS-STING axis. <i>EMBO Journal</i> , 2014 , 33, 2937-46	13	181
149	siRNA and isRNA: two edges of one sword. <i>Molecular Therapy</i> , 2006 , 14, 463-70	11.7	181
148	Superior immunogenicity of inactivated whole virus H5N1 influenza vaccine is primarily controlled by Toll-like receptor signalling. <i>PLoS Pathogens</i> , 2008 , 4, e1000138	7.6	180
147	Replication-dependent potent IFN-alpha induction in human plasmacytoid dendritic cells by a single-stranded RNA virus. <i>Journal of Immunology</i> , 2004 , 173, 5935-43	5.3	175
146	OAS proteins and cGAS: unifying concepts in sensing and responding to cytosolic nucleic acids. <i>Nature Reviews Immunology</i> , 2014 , 14, 521-8	36.5	174
145	TREX1 deficiency triggers cell-autonomous immunity in a cGAS-dependent manner. <i>Journal of Immunology</i> , 2014 , 192, 5993-7	5.3	158
144	Antiviral activity of human OASL protein is mediated by enhancing signaling of the RIG-I RNA sensor. <i>Immunity</i> , 2014 , 40, 936-48	32.3	158
143	Caspase-4 mediates non-canonical activation of the NLRP3 inflammasome in human myeloid cells. <i>European Journal of Immunology</i> , 2015 , 45, 2911-7	6.1	158
142	A Conserved Histidine in the RNA Sensor RIG-I Controls Immune Tolerance to N1-2'-Methylated Self RNA. <i>Immunity</i> , 2015 , 43, 41-51	32.3	154
141	Activation of the inflammasome by amorphous silica and TiO2 nanoparticles in murine dendritic cells. <i>Nanotoxicology</i> , 2011 , 5, 326-40	5.3	151
140	Spontaneous formation of nucleic acid-based nanoparticles is responsible for high interferon-alpha induction by CpG-A in plasmacytoid dendritic cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 8086-93	5.4	146
139	Sequence-specific activation of the DNA sensor cGAS by Y-form DNA structures as found in primary HIV-1 cDNA. <i>Nature Immunology</i> , 2015 , 16, 1025-33	19.1	145
138	Functional IRF3 deficiency in a patient with herpes simplex encephalitis. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1371-9	16.6	134

137	Guanylate Binding Protein (GBP) 5 Is an Interferon-Inducible Inhibitor of HIV-1 Infectivity. <i>Cell Host and Microbe</i> , 2016 , 19, 504-14	23.4	129
136	The NLRP3/ASC/Caspase-1 axis regulates IL-1 β processing in neutrophils. <i>European Journal of Immunology</i> , 2012 , 42, 710-5	6.1	126
135	Of inflammasomes and pathogens--sensing of microbes by the inflammasome. <i>EMBO Molecular Medicine</i> , 2013 , 5, 814-26	12	124
134	MITF and c-Jun antagonism interconnects melanoma dedifferentiation with pro-inflammatory cytokine responsiveness and myeloid cell recruitment. <i>Nature Communications</i> , 2015 , 6, 8755	17.4	123
133	Species-specific detection of the antiviral small-molecule compound CMA by STING. <i>EMBO Journal</i> , 2013 , 32, 1440-50	13	123
132	Influenza A virus targets a cGAS-independent STING pathway that controls enveloped RNA viruses. <i>Nature Communications</i> , 2016 , 7, 10680	17.4	115
131	An NLRP3-specific inflammasome inhibitor attenuates crystal-induced kidney fibrosis in mice. <i>Kidney International</i> , 2016 , 90, 525-39	9.9	112
130	cGAS Senses Human Cytomegalovirus and Induces Type I Interferon Responses in Human Monocyte-Derived Cells. <i>PLoS Pathogens</i> , 2016 , 12, e1005546	7.6	112
129	Advances in CRISPR-Cas9 genome engineering: lessons learned from RNA interference. <i>Nucleic Acids Research</i> , 2015 , 43, 3407-19	20.1	104
128	Influenza virus adaptation PB2-627K modulates nucleocapsid inhibition by the pathogen sensor RIG-I. <i>Cell Host and Microbe</i> , 2015 , 17, 309-319	23.4	99
127	T cell-independent, TLR-induced IL-12p70 production in primary human monocytes. <i>Journal of Immunology</i> , 2006 , 176, 7438-46	5.3	98
126	Genetic regulatory effects modified by immune activation contribute to autoimmune disease associations. <i>Nature Communications</i> , 2017 , 8, 266	17.4	93
125	CRISPaint allows modular base-specific gene tagging using a ligase-4-dependent mechanism. <i>Nature Communications</i> , 2016 , 7, 12338	17.4	91
124	Human GBP1 is a microbe-specific gatekeeper of macrophage apoptosis and pyroptosis. <i>EMBO Journal</i> , 2019 , 38, e100926	13	90
123	OutKnocker: a web tool for rapid and simple genotyping of designer nuclease edited cell lines. <i>Genome Research</i> , 2014 , 24, 1719-23	9.7	83
122	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	23.4	81
121	Postoperative ileus involves interleukin-1 receptor signaling in enteric glia. <i>Gastroenterology</i> , 2014 , 146, 176-87.e1	13.3	81
120	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, 2162-9	2.2	79

119	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	11.5	79
118	Aging-Associated TNF Production Primes Inflammasome Activation and NLRP3-Related Metabolic Disturbances. <i>Journal of Immunology</i> , 2016 , 197, 2900-8	5.3	78
117	Structural basis for sequestration and autoinhibition of cGAS by chromatin. <i>Nature</i> , 2020 , 587, 678-682	50.4	74
116	SAMHD1 is a biomarker for cytarabine response and a therapeutic target in acute myeloid leukemia. <i>Nature Medicine</i> , 2017 , 23, 250-255	50.5	72
115	Molecular mechanism for p202-mediated specific inhibition of AIM2 inflammasome activation. <i>Cell Reports</i> , 2013 , 4, 327-39	10.6	72
114	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, 6824-33	5.3	71
113	Pore formation by GSDMD is the effector mechanism of pyroptosis. <i>EMBO Journal</i> , 2016 , 35, 2167-2169	13	67
112	Human NLRP1 is a sensor for double-stranded RNA. <i>Science</i> , 2021 , 371,	33.3	67
111	Alternative inflammasome activation enables IL-1 β release from living cells. <i>Current Opinion in Immunology</i> , 2017 , 44, 7-13	7.8	64
110	AIM2 Drives Joint Inflammation in a Self-DNA Triggered Model of Chronic Polyarthritis. <i>PLoS ONE</i> , 2015 , 10, e0131702	3.7	64
109	CpG ODN enhance antigen-specific NKT cell activation via plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2005 , 35, 2347-57	6.1	64
108	Distinct CpG oligonucleotide sequences activate human gamma delta T cells via interferon-alpha/-beta. <i>European Journal of Immunology</i> , 2001 , 31, 3525-34	6.1	64
107	RNA recognition via TLR7 and TLR8. <i>Handbook of Experimental Pharmacology</i> , 2008 , 71-86	3.2	63
106	ATP hydrolysis by the viral RNA sensor RIG-I prevents unintentional recognition of self-RNA. <i>ELife</i> , 2015 , 4,	8.9	63
105	RIG-I detects triphosphorylated RNA of <i>Listeria monocytogenes</i> during infection in non-immune cells. <i>PLoS ONE</i> , 2013 , 8, e62872	3.7	62
104	Induction of type I IFNs by intracellular DNA-sensing pathways. <i>Immunology and Cell Biology</i> , 2012 , 90, 474-82	5	61
103	Intestinal Inflammation and Dysregulated Immunity in Patients With Inherited Caspase-8 Deficiency. <i>Gastroenterology</i> , 2019 , 156, 275-278	13.3	61
102	DNA-stimulated cell death: implications for host defence, inflammatory diseases and cancer. <i>Nature Reviews Immunology</i> , 2019 , 19, 141-153	36.5	59

101	Human TLR8 senses UR/URR motifs in bacterial and mitochondrial RNA. <i>EMBO Reports</i> , 2015 , 16, 1656-63.	6.5	58
100	The NLRP3 Inflammasome Renders Cell Death Pro-inflammatory. <i>Journal of Molecular Biology</i> , 2018 , 430, 133-141	6.5	56
99	ATP-dependent effector-like functions of RIG-I-like receptors. <i>Molecular Cell</i> , 2015 , 58, 541-548	17.6	55
98	Inflammasome-Dependent Induction of Adaptive NK Cell Memory. <i>Immunity</i> , 2016 , 44, 1406-21	32.3	55
97	Nucleic acid driven sterile inflammation. <i>Clinical Immunology</i> , 2013 , 147, 207-15	9	55
96	BAX/BAK-Induced Apoptosis Results in Caspase-8-Dependent IL-1 β Maturation in Macrophages. <i>Cell Reports</i> , 2018 , 25, 2354-2368.e5	10.6	54
95	Viral 5 α -triphosphate RNA and non-CpG DNA aggravate autoimmunity and lupus nephritis via distinct TLR-independent immune responses. <i>European Journal of Immunology</i> , 2008 , 38, 3487-98	6.1	52
94	iGLuc: a luciferase-based inflammasome and protease activity reporter. <i>Nature Methods</i> , 2013 , 10, 147-154.	14.6	51
93	Immunostimulatory RNA oligonucleotides trigger an antigen-specific cytotoxic T-cell and IgG2a response. <i>Blood</i> , 2007 , 109, 2953-60	2.2	50
92	Characterizing the genetic basis of innate immune response in TLR4-activated human monocytes. <i>Nature Communications</i> , 2014 , 5, 5236	17.4	48
91	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, 2438-48	10.6	47
90	Self-priming determines high type I IFN production by plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2014 , 44, 807-818	6.1	47
89	Immunostimulatory RNA blocks suppression by regulatory T cells. <i>Journal of Immunology</i> , 2010 , 184, 939-46	5.3	47
88	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, 1615-21	6.1	46
87	TLR8 Is a Sensor of RNase T2 Degradation Products. <i>Cell</i> , 2019 , 179, 1264-1275.e13	56.2	46
86	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	12	43
85	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	8.8	43
84	Phosphorylation of murine SAMHD1 regulates its antiretroviral activity. <i>Retrovirology</i> , 2015 , 12, 103	3.6	41

83	CARD8 inflammasome activation triggers pyroptosis in human T cells. <i>EMBO Journal</i> , 2020 , 39, e105071	13	40
82	Suppression of intratumoral CCL22 by type I interferon inhibits migration of regulatory T cells and blocks cancer progression. <i>Cancer Research</i> , 2015 , 75, 4483-93	10.1	37
81	Immunology in clinic review series; focus on autoinflammatory diseases: inflammasomes: mechanisms of activation. <i>Clinical and Experimental Immunology</i> , 2012 , 167, 369-81	6.2	37
80	MOV10 Provides Antiviral Activity against RNA Viruses by Enhancing RIG-I-MAVS-Independent IFN Induction. <i>Journal of Immunology</i> , 2016 , 196, 3877-86	5.3	36
79	The Second-Generation Exportin-1 Inhibitor KPT-8602 Demonstrates Potent Activity against Acute Lymphoblastic Leukemia. <i>Clinical Cancer Research</i> , 2017 , 23, 2528-2541	12.9	36
78	Immunostimulatory RNA oligonucleotides induce an effective antitumoral NK cell response through the TLR7. <i>Journal of Immunology</i> , 2009 , 183, 6078-86	5.3	35
77	Synthesis of an arrayed sgRNA library targeting the human genome. <i>Scientific Reports</i> , 2015 , 5, 14987	4.9	34
76	Structural and functional analysis reveals that human OASL binds dsRNA to enhance RIG-I signaling. <i>Nucleic Acids Research</i> , 2015 , 43, 5236-48	20.1	33
75	cGAS-Mediated Innate Immunity Spreads Intercellularly through HIV-1 Env-Induced Membrane Fusion Sites. <i>Cell Host and Microbe</i> , 2016 , 20, 443-457	23.4	33
74	Warfarin and vitamin K compete for binding to Phe55 in human VKOR. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 77-85	17.6	31
73	KMT9 monomethylates histone H4 lysine 12 and controls proliferation of prostate cancer cells. <i>Nature Structural and Molecular Biology</i> , 2019 , 26, 361-371	17.6	31
72	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, F867-74	4.3	31
71	NSs Virulence Factor of Rift Valley Fever Virus Engages the F-Box Proteins FBXW11 and TRCP1 To Degrade the Antiviral Protein Kinase PKR. <i>Journal of Virology</i> , 2016 , 90, 6140-7	6.6	31
70	IRF1 Inhibits Antitumor Immunity through the Upregulation of PD-L1 in the Tumor Cell. <i>Cancer Immunology Research</i> , 2019 , 7, 1258-1266	12.5	29
69	Deficient NLRP3 and AIM2 Inflammasome Function in Autoimmune NZB Mice. <i>Journal of Immunology</i> , 2015 , 195, 1233-41	5.3	28
68	Immunoblotting for active caspase-1. <i>Methods in Molecular Biology</i> , 2013 , 1040, 103-15	1.4	27
67	Cutting edge: the UNC93B1 tyrosine-based motif regulates trafficking and TLR responses via separate mechanisms. <i>Journal of Immunology</i> , 2014 , 193, 3257-61	5.3	26
66	Three exposures to the spike protein of SARS-CoV-2 by either infection or vaccination elicit superior neutralizing immunity to all variants of concern.. <i>Nature Medicine</i> , 2022 ,	50.5	26

65	The NLRP3 inflammasome pathway is activated in sarcoidosis and involved in granuloma formation. <i>European Respiratory Journal</i> , 2020 , 55,	13.6	25
64	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, 207-30	3.3	25
63	Cre-dependent DNA recombination activates a STING-dependent innate immune response. <i>Nucleic Acids Research</i> , 2016 , 44, 5356-64	20.1	25
62	SnapShot: nucleic acid immune sensors, part 1. <i>Immunity</i> , 2014 , 41, 868, 868.e1	32.3	24
61	Hepatitis B Virus DNA is a Substrate for the cGAS/STING Pathway but is not Sensed in Infected Hepatocytes. <i>Viruses</i> , 2020 , 12,	6.2	21
60	SnapShot: Nucleic acid immune sensors, part 2. <i>Immunity</i> , 2014 , 41, 1066-1066.e1	32.3	20
59	TLR8-driven IL-12-dependent reciprocal and synergistic activation of NK cells and monocytes by immunostimulatory RNA. <i>Journal of Immunotherapy</i> , 2009 , 32, 262-71	5	20
58	Cytosolic Gram-negative bacteria prevent apoptosis by inhibition of effector caspases through lipopolysaccharide. <i>Nature Microbiology</i> , 2020 , 5, 354-367	26.6	20
57	RIG-I Resists Hypoxia-Induced Immunosuppression and Dedifferentiation. <i>Cancer Immunology Research</i> , 2017 , 5, 455-467	12.5	19
56	Extracorporeal photopheresis promotes IL-1 β production. <i>Journal of Immunology</i> , 2015 , 194, 2569-77	5.3	18
55	Designer Nuclease-Mediated Generation of Knockout THP1 Cells. <i>Methods in Molecular Biology</i> , 2016 , 1338, 261-72	1.4	17
54	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, 3833-45	6.6	16
53	Prolonged IKK β inhibition improves ongoing CTL antitumor responses by incapacitating regulatory T cells. <i>Cell Reports</i> , 2017 , 21, 578-586	10.6	15
52	Immune homeostasis and regulation of the interferon pathway require myeloid-derived Regnase-3. <i>Journal of Experimental Medicine</i> , 2019 , 216, 1700-1723	16.6	15
51	Deletion of Alzheimer's disease-associated CD33 results in an inflammatory human microglia phenotype. <i>Glia</i> , 2021 , 69, 1393-1412	9	15
50	STING contributes to abnormal bone formation induced by deficiency of DNase II in mice. <i>Arthritis and Rheumatology</i> , 2017 , 69, 460-471	9.5	14
49	No indication for a defect in toll-like receptor signaling in patients with hyper-IgE syndrome. <i>Journal of Clinical Immunology</i> , 2005 , 25, 321-8	5.7	14
48	Priming enables a NEK7-independent route of NLRP3 activation		14

47	Post-injury immunosuppression and secondary infections are caused by an AIM2 inflammasome-driven signaling cascade. <i>Immunity</i> , 2021 , 54, 648-659.e8	32.3	14
46	Modeling Primary Human Monocytes with the Trans-Differentiation Cell Line BLaER1. <i>Methods in Molecular Biology</i> , 2018 , 1714, 57-66	1.4	13
45	Cytoplasmic RNA Sensor Pathways and Nitazoxanide Broadly Inhibit Intracellular Mycobacterium tuberculosis Growth. <i>iScience</i> , 2019 , 22, 299-313	6.1	12
44	DNA sensing unchained. <i>Cell Research</i> , 2013 , 23, 585-7	24.7	11
43	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	4.9	11
42	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	4.9	11
41	An unexpected role for RNA in the recognition of DNA by the innate immune system. <i>RNA Biology</i> , 2010 , 7, 151-7	4.8	10
40	Frequently used bioinformatics tools overestimate the damaging effect of allelic variants. <i>Genes and Immunity</i> , 2019 , 20, 10-22	4.4	10
39	Mitochondrial dsRNA: A New DAMP for MDA5. <i>Developmental Cell</i> , 2018 , 46, 530-532	10.2	10
38	Ligation-independent cloning (LIC) assembly of TALEN genes. <i>Methods in Molecular Biology</i> , 2015 , 1239, 161-9	1.4	9
37	The PYHIN Protein p205 Regulates the Inflammasome by Controlling Asc Expression. <i>Journal of Immunology</i> , 2017 , 199, 3249-3260	5.3	9
36	Enzymatic synthesis and purification of a defined RIG-I ligand. <i>Methods in Molecular Biology</i> , 2014 , 1169, 15-25	1.4	9
35	VKORC1 and VKORC1L1 have distinctly different oral anticoagulant dose-response characteristics and binding sites. <i>Blood Advances</i> , 2018 , 2, 691-702	7.8	9
34	An autoimmune disease risk variant has a trans master regulatory effect mediated by IRF1 under immune stimulation		7
33	BrowserGenome.org: web-based RNA-seq data analysis and visualization. <i>Nature Methods</i> , 2015 , 12, 1001-6	11.6	6
32	STING Signaling the enERGIC Way. <i>Cell Host and Microbe</i> , 2015 , 18, 137-9	23.4	6
31	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	13.4	6
30	AIM2 inflammasome-derived IL-1 β induces postoperative ileus in mice. <i>Scientific Reports</i> , 2019 , 9, 10602	4.9	6

29	New Approaches for Absolute Quantification of Stable-Isotope-Labeled Peptide Standards for Targeted Proteomics Based on a UV Active Tag. <i>Proteomics</i> , 2020 , 20, e2000007	4.8	5
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