

# Veit Hornung

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2022</b> ,	50.5	26
189	Homing in on gasdermins: How fungi regulate cell death.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2201192119	11.5	
188	Human NLRP1: From the shadows to center stage.. <i>Journal of Experimental Medicine</i> , <b>2022</b> , 219,	16.6	3
187	Molecular Signature of Astrocytes for Gene Delivery by the Synthetic Adeno-Associated Viral Vector rAAV9P1.. <i>Advanced Science</i> , <b>2022</b> , e2104979	13.6	1
186	Live Cell Imaging of TCell Pyroptosis. <i>Methods in Molecular Biology</i> , <b>2022</b> , 303-315	1.4	1
185	Phosphoproteome profiling uncovers a key role for CDKs in TNF signaling. <i>Nature Communications</i> , <b>2021</b> , 12, 6053	17.4	4
184	DPP9 restrains NLRP1 activation. <i>Nature Structural and Molecular Biology</i> , <b>2021</b> , 28, 333-336	17.6	0
183	Post-injury immunosuppression and secondary infections are caused by an AIM2 inflammasome-driven signaling cascade. <i>Immunity</i> , <b>2021</b> , 54, 648-659.e8	32.3	14
182	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> , <b>2021</b> , 19, 1412-1424	15.4	2
181	An autoimmune disease risk variant: A trans master regulatory effect mediated by IRF1 under immune stimulation?. <i>PLoS Genetics</i> , <b>2021</b> , 17, e1009684	6	2
180	Human NLRP1 is a sensor for double-stranded RNA. <i>Science</i> , <b>2021</b> , 371,	33.3	67
179	Deletion of Alzheimer@ disease-associated CD33 results in an inflammatory human microglia phenotype. <i>Glia</i> , <b>2021</b> , 69, 1393-1412	9	15
178	Molecular mechanisms of nonself nucleic acid recognition by the innate immune system. <i>European Journal of Immunology</i> , <b>2021</b> , 51, 1897-1910	6.1	4
177	In-depth profiling of COVID-19 risk factors and preventive measures in healthcare workers. <i>Infection</i> , <b>2021</b> , 1	5.8	4
176	Inflammasomes in T cells. <i>Journal of Molecular Biology</i> , <b>2021</b> , 167275	6.5	1
175	Evidence for increased SARS-CoV-2 susceptibility and COVID-19 severity related to pre-existing immunity to seasonal coronaviruses.. <i>Cell Reports</i> , <b>2021</b> , 37, 110169	10.6	2
174	Structural basis for sequestration and autoinhibition of cGAS by chromatin. <i>Nature</i> , <b>2020</b> , 587, 678-682	50.4	74

173	Molecular mechanisms and cellular functions of cGAS-STING signalling. <i>Nature Reviews Molecular Cell Biology</i> , <b>2020</b> , 21, 501-521	48.7	234
172	Hepatitis B Virus DNA is a Substrate for the cGAS/STING Pathway but is not Sensed in Infected Hepatocytes. <i>Viruses</i> , <b>2020</b> , 12,	6.2	21
171	Reduced mitochondrial resilience enables non-canonical induction of apoptosis after TNF receptor signaling in virus-infected hepatocytes. <i>Journal of Hepatology</i> , <b>2020</b> , 73, 1347-1359	13.4	6
170	The NLRP3 inflammasome pathway is activated in sarcoidosis and involved in granuloma formation. <i>European Respiratory Journal</i> , <b>2020</b> , 55,	13.6	25
169	New Approaches for Absolute Quantification of Stable-Isotope-Labeled Peptide Standards for Targeted Proteomics Based on a UV Active Tag. <i>Proteomics</i> , <b>2020</b> , 20, e2000007	4.8	5
168	CARD8 inflammasome activation triggers pyroptosis in human T cells. <i>EMBO Journal</i> , <b>2020</b> , 39, e105071	13	40
167	C-tag TNF: a reporter system to study TNF shedding. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 18065-18075	17.5	0
166	Cytosolic Gram-negative bacteria prevent apoptosis by inhibition of effector caspases through lipopolysaccharide. <i>Nature Microbiology</i> , <b>2020</b> , 5, 354-367	26.6	20
165	Immune homeostasis and regulation of the interferon pathway require myeloid-derived Regnase-3. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 1700-1723	16.6	15
164	IRF1 Inhibits Antitumor Immunity through the Upregulation of PD-L1 in the Tumor Cell. <i>Cancer Immunology Research</i> , <b>2019</b> , 7, 1258-1266	12.5	29
163	Human GBP1 is a microbe-specific gatekeeper of macrophage apoptosis and pyroptosis. <i>EMBO Journal</i> , <b>2019</b> , 38, e100926	13	90
162	KMT9 monomethylates histone H4 lysine 12 and controls proliferation of prostate cancer cells. <i>Nature Structural and Molecular Biology</i> , <b>2019</b> , 26, 361-371	17.6	31
161	AIM2 inflammasome-derived IL-1 $\beta$ induces postoperative ileus in mice. <i>Scientific Reports</i> , <b>2019</b> , 9, 10602	4.9	6
160	The antiviral activity of rodent and lagomorph SERINC3 and SERINC5 is counteracted by known viral antagonists. <i>Journal of General Virology</i> , <b>2019</b> , 100, 278-288	4.9	11
159	Cytoplasmic RNA Sensor Pathways and Nitazoxanide Broadly Inhibit Intracellular Mycobacterium tuberculosis Growth. <i>IScience</i> , <b>2019</b> , 22, 299-313	6.1	12
158	TLR8 Is a Sensor of RNase T2 Degradation Products. <i>Cell</i> , <b>2019</b> , 179, 1264-1275.e13	56.2	46
157	Insights into Innate Sensing of Prototype Foamy Viruses in Myeloid Cells. <i>Viruses</i> , <b>2019</b> , 11,	6.2	3
156	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> , <b>2019</b> , 116, 970-975	11.5	79

155	DNA-stimulated cell death: implications for host defence, inflammatory diseases and cancer. <i>Nature Reviews Immunology</i> , <b>2019</b> , 19, 141-153	36.5	59
154	Intestinal Inflammation and Dysregulated Immunity in Patients With Inherited Caspase-8 Deficiency. <i>Gastroenterology</i> , <b>2019</b> , 156, 275-278	13.3	61
153	Frequently used bioinformatics tools overestimate the damaging effect of allelic variants. <i>Genes and Immunity</i> , <b>2019</b> , 20, 10-22	4.4	10
152	The NLRP3 Inflammasome Renders Cell Death Pro-inflammatory. <i>Journal of Molecular Biology</i> , <b>2018</b> , 430, 133-141	6.5	56
151	Modeling Primary Human Monocytes with the Trans-Differentiation Cell Line BLaER1. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1714, 57-66	1.4	13
150	BAX/BAK-Induced Apoptosis Results in Caspase-8-Dependent IL-1 $\beta$ Maturation in Macrophages. <i>Cell Reports</i> , <b>2018</b> , 25, 2354-2368.e5	10.6	54
149	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> , <b>2018</b> , 13, 2981-2988 <sup>4-9</sup>	4.9	11
148	Mitochondrial dsRNA: A New DAMP for MDA5. <i>Developmental Cell</i> , <b>2018</b> , 46, 530-532	10.2	10
147	VKORC1 and VKORC1L1 have distinctly different oral anticoagulant dose-response characteristics and binding sites. <i>Blood Advances</i> , <b>2018</b> , 2, 691-702	7.8	9
146	RIG-I Resists Hypoxia-Induced Immunosuppression and Dedifferentiation. <i>Cancer Immunology Research</i> , <b>2017</b> , 5, 455-467	12.5	19
145	Warfarin and vitamin K compete for binding to Phe55 in human VKOR. <i>Nature Structural and Molecular Biology</i> , <b>2017</b> , 24, 77-85	17.6	31
144	Polysialic acid blocks mononuclear phagocyte reactivity, inhibits complement activation, and protects from vascular damage in the retina. <i>EMBO Molecular Medicine</i> , <b>2017</b> , 9, 154-166	12	43
143	SAMHD1 is a biomarker for cytarabine response and a therapeutic target in acute myeloid leukemia. <i>Nature Medicine</i> , <b>2017</b> , 23, 250-255	50.5	72
142	The DNA Inflammasome in Human Myeloid Cells Is Initiated by a STING-Cell Death Program Upstream of NLRP3. <i>Cell</i> , <b>2017</b> , 171, 1110-1124.e18	56.2	240
141	Prolonged IKK $\beta$ Inhibition Improves Ongoing CTL Antitumor Responses by Incapacitating Regulatory T Cells. <i>Cell Reports</i> , <b>2017</b> , 21, 578-586	10.6	15
140	cGAS senses long and HMGB/TFAM-bound U-turn DNA by forming protein-DNA ladders. <i>Nature</i> , <b>2017</b> , 549, 394-398	50.4	212
139	The PYHIN Protein p205 Regulates the Inflammasome by Controlling Asc Expression. <i>Journal of Immunology</i> , <b>2017</b> , 199, 3249-3260	5.3	9
138	Genetic regulatory effects modified by immune activation contribute to autoimmune disease associations. <i>Nature Communications</i> , <b>2017</b> , 8, 266	17.4	93

137	Alternative inflammasome activation enables IL-1 $\beta$ release from living cells. <i>Current Opinion in Immunology</i> , <b>2017</b> , 44, 7-13	7.8	64
136	STING Contributes to Abnormal Bone Formation Induced by Deficiency of DNase II in Mice. <i>Arthritis and Rheumatology</i> , <b>2017</b> , 69, 460-471	9.5	14
135	The Second-Generation Exportin-1 Inhibitor KPT-8602 Demonstrates Potent Activity against Acute Lymphoblastic Leukemia. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 2528-2541	12.9	36
134	ICG-001 affects DRP1 activity and ER stress correlative with its anti-proliferative effect. <i>Oncotarget</i> , <b>2017</b> , 8, 106764-106777	3.3	5
133	Cyclic Dinucleotides in the Scope of the Mammalian Immune System. <i>Handbook of Experimental Pharmacology</i> , <b>2017</b> , 238, 269-289	3.2	3
132	Designer Nuclease-Mediated Generation of Knockout THP1 Cells. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1338, 261-72	1.4	17
131	Aging-Associated TNF Production Primes Inflammasome Activation and NLRP3-Related Metabolic Disturbances. <i>Journal of Immunology</i> , <b>2016</b> , 197, 2900-8	5.3	78
130	Group B Streptococcus Degrades Cyclic-di-AMP to Modulate STING-Dependent Type I Interferon Production. <i>Cell Host and Microbe</i> , <b>2016</b> , 20, 49-59	23.4	81
129	Type I Interferon Induction by Neisseria gonorrhoeae: Dual Requirement of Cyclic GMP-AMP Synthase and Toll-like Receptor 4. <i>Cell Reports</i> , <b>2016</b> , 15, 2438-48	10.6	47
128	Inflammasome-Dependent Induction of Adaptive NK Cell Memory. <i>Immunity</i> , <b>2016</b> , 44, 1406-21	32.3	55
127	An NLRP3-specific inflammasome inhibitor attenuates crystal-induced kidney fibrosis in mice. <i>Kidney International</i> , <b>2016</b> , 90, 525-39	9.9	112
126	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> , <b>2016</b> , 46, 1615-21	6.1	46
125	Guanylate Binding Protein (GBP) 5 Is an Interferon-Inducible Inhibitor of HIV-1 Infectivity. <i>Cell Host and Microbe</i> , <b>2016</b> , 19, 504-14	23.4	129
124	MOV10 Provides Antiviral Activity against RNA Viruses by Enhancing RIG-I-MAVS-Independent IFN Induction. <i>Journal of Immunology</i> , <b>2016</b> , 196, 3877-86	5.3	36
123	Influenza A virus targets a cGAS-independent STING pathway that controls enveloped RNA viruses. <i>Nature Communications</i> , <b>2016</b> , 7, 10680	17.4	115
122	Comprehensive RNAi-based screening of human and mouse TLR pathways identifies species-specific preferences in signaling protein use. <i>Science Signaling</i> , <b>2016</b> , 9, ra3	8.8	43
121	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> , <b>2016</b> , 291, 103-9	5.4	262
120	cGAS Senses Human Cytomegalovirus and Induces Type I Interferon Responses in Human Monocyte-Derived Cells. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005546	7.6	112

119	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> , <b>2016</b> , 90, 6140-7	6.6	31
118	Pore formation by GSDMD is the effector mechanism of pyroptosis. <i>EMBO Journal</i> , <b>2016</b> , 35, 2167-2169	13	67
117	CRISPaint allows modular base-specific gene tagging using a ligase-4-dependent mechanism. <i>Nature Communications</i> , <b>2016</b> , 7, 12338	17.4	91
116	Human Monocytes Engage an Alternative Inflammasome Pathway. <i>Immunity</i> , <b>2016</b> , 44, 833-46	32.3	389
115	Measuring IL-1 $\beta$ Processing by Bioluminescence Sensors II: The iGLuc System. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1417, 97-113	1.4	4
114	Cre-dependent DNA recombination activates a STING-dependent innate immune response. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 5356-64	20.1	25
113	Recognition of Endogenous Nucleic Acids by the Innate Immune System. <i>Immunity</i> , <b>2016</b> , 44, 739-54	32.3	282
112	cGAS-Mediated Innate Immunity Spreads Intercellularly through HIV-1 Env-Induced Membrane Fusion Sites. <i>Cell Host and Microbe</i> , <b>2016</b> , 20, 443-457	23.4	33
111	Influenza virus adaptation PB2-627K modulates nucleocapsid inhibition by the pathogen sensor RIG-I. <i>Cell Host and Microbe</i> , <b>2015</b> , 17, 309-319	23.4	99
110	Functional IRF3 deficiency in a patient with herpes simplex encephalitis. <i>Journal of Experimental Medicine</i> , <b>2015</b> , 212, 1371-9	16.6	134
109	Deficient NLRP3 and AIM2 Inflammasome Function in Autoimmune NZB Mice. <i>Journal of Immunology</i> , <b>2015</b> , 195, 1233-41	5.3	28
108	A Conserved Histidine in the RNA Sensor RIG-I Controls Immune Tolerance to N1-2 $\text{O}$ -Methylated Self RNA. <i>Immunity</i> , <b>2015</b> , 43, 41-51	32.3	154
107	ATP-dependent effector-like functions of RIG-I-like receptors. <i>Molecular Cell</i> , <b>2015</b> , 58, 541-548	17.6	55
106	Ligation-independent cloning (LIC) assembly of TALEN genes. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1239, 161-9	1.4	9
105	Sox2 as a servant of two masters. <i>Nature Immunology</i> , <b>2015</b> , 16, 335-6	19.1	3
104	Extracorporeal photopheresis promotes IL-1 $\beta$ production. <i>Journal of Immunology</i> , <b>2015</b> , 194, 2569-77	5.3	18
103	Structural and functional analysis reveals that human OASL binds dsRNA to enhance RIG-I signaling. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 5236-48	20.1	33
102	Advances in CRISPR-Cas9 genome engineering: lessons learned from RNA interference. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 3407-19	20.1	104

101	MITF and c-Jun antagonism interconnects melanoma dedifferentiation with pro-inflammatory cytokine responsiveness and myeloid cell recruitment. <i>Nature Communications</i> , <b>2015</b> , 6, 8755	17.4	123
100	BrowserGenome.org: web-based RNA-seq data analysis and visualization. <i>Nature Methods</i> , <b>2015</b> , 12, 1001-6	11.6	6
99	Suppression of intratumoral CCL22 by type I interferon inhibits migration of regulatory T cells and blocks cancer progression. <i>Cancer Research</i> , <b>2015</b> , 75, 4483-93	10.1	37
98	STING Signaling the enERGIC Way. <i>Cell Host and Microbe</i> , <b>2015</b> , 18, 137-9	23.4	6
97	Sequence-specific activation of the DNA sensor cGAS by Y-form DNA structures as found in primary HIV-1 cDNA. <i>Nature Immunology</i> , <b>2015</b> , 16, 1025-33	19.1	145
96	Caspase-4 mediates non-canonical activation of the NLRP3 inflammasome in human myeloid cells. <i>European Journal of Immunology</i> , <b>2015</b> , 45, 2911-7	6.1	158
95	Synthesis of an arrayed sgRNA library targeting the human genome. <i>Scientific Reports</i> , <b>2015</b> , 5, 14987	4.9	34
94	Human TLR8 senses UR/URR motifs in bacterial and mitochondrial RNA. <i>EMBO Reports</i> , <b>2015</b> , 16, 1656-63	5.5	58
93	Phosphorylation of murine SAMHD1 regulates its antiretroviral activity. <i>Retrovirology</i> , <b>2015</b> , 12, 103	3.6	41
92	AIM2 Drives Joint Inflammation in a Self-DNA Triggered Model of Chronic Polyarthritis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131702	3.7	64
91	Mycobacterium tuberculosis Differentially Activates cGAS- and Inflammasome-Dependent Intracellular Immune Responses through ESX-1. <i>Cell Host and Microbe</i> , <b>2015</b> , 17, 799-810	23.4	265
90	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> , <b>2015</b> , 89, 3833-45	6.6	16
89	ATP hydrolysis by the viral RNA sensor RIG-I prevents unintentional recognition of self-RNA. <i>ELife</i> , <b>2015</b> , 4,	8.9	63
88	Characterizing the genetic basis of innate immune response in TLR4-activated human monocytes. <i>Nature Communications</i> , <b>2014</b> , 5, 5236	17.4	48
87	OutKnocker: a web tool for rapid and simple genotyping of designer nuclease edited cell lines. <i>Genome Research</i> , <b>2014</b> , 24, 1719-23	9.7	83
86	TREX1 deficiency triggers cell-autonomous immunity in a cGAS-dependent manner. <i>Journal of Immunology</i> , <b>2014</b> , 192, 5993-7	5.3	158
85	Cutting edge: the UNC93B1 tyrosine-based motif regulates trafficking and TLR responses via separate mechanisms. <i>Journal of Immunology</i> , <b>2014</b> , 193, 3257-61	5.3	26
84	OAS proteins and cGAS: unifying concepts in sensing and responding to cytosolic nucleic acids. <i>Nature Reviews Immunology</i> , <b>2014</b> , 14, 521-8	36.5	174

83	Postoperative ileus involves interleukin-1 receptor signaling in enteric glia. <i>Gastroenterology</i> , <b>2014</b> , 146, 176-87.e1	13.3	81
82	Antiviral activity of human OASL protein is mediated by enhancing signaling of the RIG-I RNA sensor. <i>Immunity</i> , <b>2014</b> , 40, 936-48	32.3	158
81	Self-priming determines high type I IFN production by plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , <b>2014</b> , 44, 807-818	6.1	47
80	SnapShot: nucleic acid immune sensors, part 1. <i>Immunity</i> , <b>2014</b> , 41, 868, 868.e1	32.3	24
79	Cytosolic RNA:DNA hybrids activate the cGAS-STING axis. <i>EMBO Journal</i> , <b>2014</b> , 33, 2937-46	13	181
78	SnapShot: Nucleic acid immune sensors, part 2. <i>Immunity</i> , <b>2014</b> , 41, 1066-1066.e1	32.3	20
77	Enzymatic synthesis and purification of a defined RIG-I ligand. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1169, 15-25	1.4	9
76	Molecular mechanism for p202-mediated specific inhibition of AIM2 inflammasome activation. <i>Cell Reports</i> , <b>2013</b> , 4, 327-39	10.6	72
75	Immunoblotting for active caspase-1. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1040, 103-15	1.4	27
74	Cell intrinsic immunity spreads to bystander cells via the intercellular transfer of cGAMP. <i>Nature</i> , <b>2013</b> , 503, 530-4	50.4	357
73	Of inflammasomes and pathogens--sensing of microbes by the inflammasome. <i>EMBO Molecular Medicine</i> , <b>2013</b> , 5, 814-26	12	124
72	iGLuc: a luciferase-based inflammasome and protease activity reporter. <i>Nature Methods</i> , <b>2013</b> , 10, 147-154.6	14.6	51
71	A ligation-independent cloning technique for high-throughput assembly of transcription activator-like effector genes. <i>Nature Biotechnology</i> , <b>2013</b> , 31, 76-81	44.5	191
70	Nucleic acid driven sterile inflammation. <i>Clinical Immunology</i> , <b>2013</b> , 147, 207-15	9	55
69	Species-specific detection of the antiviral small-molecule compound CMA by STING. <i>EMBO Journal</i> , <b>2013</b> , 32, 1440-50	13	123
68	Structural mechanism of cytosolic DNA sensing by cGAS. <i>Nature</i> , <b>2013</b> , 498, 332-7	50.4	410
67	cGAS produces a 2'5'-linked cyclic dinucleotide second messenger that activates STING. <i>Nature</i> , <b>2013</b> , 498, 380-4	50.4	822
66	DNA sensing unchained. <i>Cell Research</i> , <b>2013</b> , 23, 585-7	24.7	11

65	Mechanisms of IL-1 $\beta$ Maturation in Neutrophils. <i>Else-Krüger-Fresenius-Symposia</i> , <b>2013</b> , 15-23		2
64	RIG-I detects triphosphorylated RNA of <i>Listeria monocytogenes</i> during infection in non-immune cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e62872	3-7	62
63	Retroviral danger from within: TLR7 is in control. <i>Immunity</i> , <b>2012</b> , 37, 763-6	32-3	2
62	NLRP3 inflammasome activity is negatively controlled by miR-223. <i>Journal of Immunology</i> , <b>2012</b> , 189, 4175-81	5-3	312
61	Structures of the HIN domain:DNA complexes reveal ligand binding and activation mechanisms of the AIM2 inflammasome and IFI16 receptor. <i>Immunity</i> , <b>2012</b> , 36, 561-71	32-3	352
60	Induction of type I IFNs by intracellular DNA-sensing pathways. <i>Immunology and Cell Biology</i> , <b>2012</b> , 90, 474-82	5	61
59	The NLRP3/ASC/Caspase-1 axis regulates IL-1 $\beta$ processing in neutrophils. <i>European Journal of Immunology</i> , <b>2012</b> , 42, 710-5	6-1	126
58	Immunology in clinic review series; focus on autoinflammatory diseases: inflammasomes: mechanisms of activation. <i>Clinical and Experimental Immunology</i> , <b>2012</b> , 167, 369-81	6-2	37
57	Cytosolic DNA triggers inflammasome activation in keratinocytes in psoriatic lesions. <i>Science Translational Medicine</i> , <b>2011</b> , 3, 82ra38	17-5	278
56	Critical role of nucleotide-binding oligomerization domain-like receptor 3 in vascular repair. <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 411, 627-31	3-4	4
55	Activation of the inflammasome by amorphous silica and TiO <sub>2</sub> nanoparticles in murine dendritic cells. <i>Nanotoxicology</i> , <b>2011</b> , 5, 326-40	5-3	151
54	Inflammasomes: current understanding and open questions. <i>Cellular and Molecular Life Sciences</i> , <b>2011</b> , 68, 765-83	10-3	271
53	Cutting edge: reactive oxygen species inhibitors block priming, but not activation, of the NLRP3 inflammasome. <i>Journal of Immunology</i> , <b>2011</b> , 187, 613-7	5-3	431
52	NLRP3 inflammasomes are required for atherogenesis and activated by cholesterol crystals. <i>Nature</i> , <b>2010</b> , 464, 1357-61	50-4	2450
51	Recognition of RNA virus by RIG-I results in activation of CARD9 and inflammasome signaling for interleukin 1 beta production. <i>Nature Immunology</i> , <b>2010</b> , 11, 63-9	19-1	407
50	The AIM2 inflammasome is essential for host defense against cytosolic bacteria and DNA viruses. <i>Nature Immunology</i> , <b>2010</b> , 11, 395-402	19-1	944
49	Intracellular DNA recognition. <i>Nature Reviews Immunology</i> , <b>2010</b> , 10, 123-30	36-5	278
48	Immunostimulatory RNA blocks suppression by regulatory T cells. <i>Journal of Immunology</i> , <b>2010</b> , 184, 939-46	5-3	47

47	An unexpected role for RNA in the recognition of DNA by the innate immune system. <i>RNA Biology</i> , <b>2010</b> , 7, 151-7	4.8	10
46	Critical functions of priming and lysosomal damage for NLRP3 activation. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 620-3	6.1	211
45	Listeria monocytogenes is sensed by the NLRP3 and AIM2 inflammasome. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 1545-51	6.1	199
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41	AIM2 recognizes cytosolic dsDNA and forms a caspase-1-activating inflammasome with ASC. <i>Nature</i> , <b>2009</b> , 458, 514-8	50.4	1729
40	RIG-I-dependent sensing of poly(dA:dT) through the induction of an RNA polymerase III-transcribed RNA intermediate. <i>Nature Immunology</i> , <b>2009</b> , 10, 1065-72	19.1	645
39	Recognition of 5Qriphosphate by RIG-I helicase requires short blunt double-stranded RNA as contained in panhandle of negative-strand virus. <i>Immunity</i> , <b>2009</b> , 31, 25-34	32.3	564
38	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> , <b>2009</b> , 182, 6824-33	5.3	71
37	TLR8-driven IL-12-dependent reciprocal and synergistic activation of NK cells and monocytes by immunostimulatory RNA. <i>Journal of Immunotherapy</i> , <b>2009</b> , 32, 262-71	5	20
36	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> , <b>2009</b> , 119, 2399-411	15.9	270
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31	Superior immunogenicity of inactivated whole virus H5N1 influenza vaccine is primarily controlled by Toll-like receptor signalling. <i>PLoS Pathogens</i> , <b>2008</b> , 4, e1000138	7.6	180
30	Viral 5Qriphosphate RNA and non-CpG DNA aggravate autoimmunity and lupus nephritis via distinct TLR-independent immune responses. <i>European Journal of Immunology</i> , <b>2008</b> , 38, 3487-98	6.1	52

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17	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> , <b>2005</b> , 280, 8086-93	5.4	146
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15	Replication-dependent potent IFN-alpha induction in human plasmacytoid dendritic cells by a single-stranded RNA virus. <i>Journal of Immunology</i> , <b>2004</b> , 173, 5935-43	5.3	175
14	CpG-A and CpG-B oligonucleotides differentially enhance human peptide-specific primary and memory CD8+ T-cell responses in vitro. <i>Blood</i> , <b>2004</b> , 103, 2162-9	2.2	79
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12	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> , <b>2003</b> , 170, 4465-74	5.3	282

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9	Identification of CpG oligonucleotide sequences with high induction of IFN-alpha/beta in plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , <b>2001</b> , 31, 2154-63	6.1	733
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7	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 <b>2001</b> , 31, 3026		3
6	Identification of CpG oligonucleotide sequences with high induction of IFN- $\gamma$ in plasmacytoid dendritic cells <b>2001</b> , 31, 2154		2
5	An autoimmune disease risk variant has a trans master regulatory effect mediated by IRF1 under immune stimulation		7
4	Priming enables a NEK7-independent route of NLRP3 activation		14
3	Genetic regulatory effects modified by immune activation contribute to autoimmune disease associations		1
2	<i>Clostridium difficile</i> Toxin B activates the NLRP3 inflammasome in human macrophages, demonstrating a novel regulatory mechanism for the Pyrin inflammasome		1
1	Nanoscale organization of the endogenous ASC speck		2