

Eicke Latz

List of Publications by Year in descending order

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Version: 2024-02-01

303
papers

75,378
citations

1459

107
h-index

567

263
g-index

344
all docs

344
docs citations

344
times ranked

73850
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroinflammation in Alzheimer's disease. <i>Lancet Neurology</i> , The, 2015, 14, 388-405.	4.9	4,129
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	Activation and regulation of the inflammasomes. <i>Nature Reviews Immunology</i> , 2013, 13, 397-411.	10.6	2,373
5	IKK μ and TBK1 are essential components of the IRF3 signaling pathway. <i>Nature Immunology</i> , 2003, 4, 491-496.	7.0	2,361
6	Cutting Edge: NF- κ 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
7	AIM2 recognizes cytosolic dsDNA and forms a caspase-1-activating inflammasome with ASC. <i>Nature</i> , 2009, 458, 514-518.	13.7	2,098
8	NLRP3 is activated in Alzheimer's disease and contributes to pathology in APP/PS1 mice. <i>Nature</i> , 2013, 493, 674-678.	13.7	2,063
9	The NALP3 inflammasome is involved in the innate immune response to amyloid- β . <i>Nature Immunology</i> , 2008, 9, 857-865.	7.0	2,047
10	A small-molecule inhibitor of the NLRP3 inflammasome for the treatment of inflammatory diseases. <i>Nature Medicine</i> , 2015, 21, 248-255.	15.2	1,967
11	Trained immunity: A program of innate immune memory in health and disease. <i>Science</i> , 2016, 352, aaf1098.	6.0	1,809
12	Transcriptome-Based Network Analysis Reveals a Spectrum Model of Human Macrophage Activation. <i>Immunity</i> , 2014, 40, 274-288.	6.6	1,692
13	IFI16 is an innate immune sensor for intracellular DNA. <i>Nature Immunology</i> , 2010, 11, 997-1004.	7.0	1,369
14	Defining trained immunity and its role in health and disease. <i>Nature Reviews Immunology</i> , 2020, 20, 375-388.	10.6	1,345
15	TLR9 signals after translocating from the ER to CpG DNA in the lysosome. <i>Nature Immunology</i> , 2004, 5, 190-198.	7.0	1,225
16	Toll-like receptor 9-dependent activation by DNA-containing immune complexes is mediated by HMGB1 and RAGE. <i>Nature Immunology</i> , 2007, 8, 487-496.	7.0	1,210
17	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
18	Targeting the NLRP3 inflammasome in inflammatory diseases. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 588-606.	21.5	1,084

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19	LPS-TLR4 Signaling to IRF-3/7 and NF- κ B Involves the Toll Adapters TRAM and TRIF. <i>Journal of Experimental Medicine</i> , 2003, 198, 1043-1055.	4.2	1,053
20	Innate immune activation in neurodegenerative disease. <i>Nature Reviews Immunology</i> , 2014, 14, 463-477.	10.6	1,053
21	NLRP3 inflammasome activation drives tau pathology. <i>Nature</i> , 2019, 575, 669-673.	13.7	782
22	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, 1065-1072.	7.0	762
23	CD36 coordinates NLRP3 inflammasome activation by facilitating intracellular nucleation of soluble ligands into particulate ligands in sterile inflammation. <i>Nature Immunology</i> , 2013, 14, 812-820.	7.0	746
24	Necroptosis, pyroptosis and apoptosis: an intricate game of cell death. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1106-1121.	4.8	733
25	HMGB1 SIGNALS THROUGH TOLL-LIKE RECEPTOR (TLR) 4 AND TLR2. <i>Shock</i> , 2006, 26, 174-179.	1.0	730
26	Microbiota-Modulated Metabolites Shape the Intestinal Microenvironment by Regulating NLRP6 Inflammasome Signaling. <i>Cell</i> , 2015, 163, 1428-1443.	13.5	728
27	Human lupus autoantibody-DNA complexes activate DCs through cooperation of CD32 and TLR9. <i>Journal of Clinical Investigation</i> , 2005, 115, 407-417.	3.9	715
28	Western Diet Triggers NLRP3-Dependent Innate Immune Reprogramming. <i>Cell</i> , 2018, 172, 162-175.e14.	13.5	705
29	The Sterile Inflammatory Response. <i>Annual Review of Immunology</i> , 2010, 28, 321-342.	9.5	703
30	Colitis induced in mice with dextran sulfate sodium (DSS) is mediated by the NLRP3 inflammasome. <i>Gut</i> , 2010, 59, 1192-1199.	6.1	687
31	Microglia-derived ASC specks cross-seed amyloid- β in Alzheimer's disease. <i>Nature</i> , 2017, 552, 355-361.	13.7	664
32	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.	6.6	660
33	The adaptor ASC has extracellular and 'prionoid' activities that propagate inflammation. <i>Nature Immunology</i> , 2014, 15, 727-737.	7.0	651
34	Innate immunity in Alzheimer's disease. <i>Nature Immunology</i> , 2015, 16, 229-236.	7.0	619
35	Human Cytomegalovirus Activates Inflammatory Cytokine Responses via CD14 and Toll-Like Receptor 2. <i>Journal of Virology</i> , 2003, 77, 4588-4596.	1.5	586
36	NLRP3 Inflammasome and the IL-1 Pathway in Atherosclerosis. <i>Circulation Research</i> , 2018, 122, 1722-1740.	2.0	564

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37	A Novel Host-Parasite Lipid Cross-talk. <i>Journal of Biological Chemistry</i> , 2002, 277, 48122-48129.	1.6	527
38	Inflammasome signalling in brain function and neurodegenerative disease. <i>Nature Reviews Neuroscience</i> , 2018, 19, 610-621.	4.9	514
39	A guiding map for inflammation. <i>Nature Immunology</i> , 2017, 18, 826-831.	7.0	506
40	Anti-inflammatory Compounds Parthenolide and Bay 11-7082 Are Direct Inhibitors of the Inflammasome. <i>Journal of Biological Chemistry</i> , 2010, 285, 9792-9802.	1.6	493
41	Cell intrinsic immunity spreads to bystander cells via the intercellular transfer of cGAMP. <i>Nature</i> , 2013, 503, 530-534.	13.7	483
42	Malaria hemozoin is immunologically inert but radically enhances innate responses by presenting malaria DNA to Toll-like receptor 9. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1919-1924.	3.3	468
43	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
44	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
45	Western Diet and the Immune System: An Inflammatory Connection. <i>Immunity</i> , 2019, 51, 794-811.	6.6	416
46	Endocytic pathways regulate Toll-like receptor 4 signaling and link innate and adaptive immunity. <i>EMBO Journal</i> , 2006, 25, 683-692.	3.5	407
47	Ligand-induced conformational changes allosterically activate Toll-like receptor 9. <i>Nature Immunology</i> , 2007, 8, 772-779.	7.0	406
48	The inflammasomes: mechanisms of activation and function. <i>Current Opinion in Immunology</i> , 2010, 22, 28-33.	2.4	403
49	Cathepsin K-Dependent Toll-Like Receptor 9 Signaling Revealed in Experimental Arthritis. <i>Science</i> , 2008, 319, 624-627.	6.0	401
50	Lipopolysaccharide Rapidly Traffics to and from the Golgi Apparatus with the Toll-like Receptor 4-MD-2-CD14 Complex in a Process That Is Distinct from the Initiation of Signal Transduction. <i>Journal of Biological Chemistry</i> , 2002, 277, 47834-47843.	1.6	398
51	Immediate and long-term consequences of COVID-19 infections for the development of neurological disease. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 69.	3.0	367
52	NLRP3 inflammasomes link inflammation and metabolic disease. <i>Trends in Immunology</i> , 2011, 32, 373-379.	2.9	352
53	The Interferon Regulatory Factor, IRF5, Is a Central Mediator of Toll-like Receptor 7 Signaling. <i>Journal of Biological Chemistry</i> , 2005, 280, 17005-17012.	1.6	340
54	High-density lipoprotein mediates anti-inflammatory reprogramming of macrophages via the transcriptional regulator ATF3. <i>Nature Immunology</i> , 2014, 15, 152-160.	7.0	337

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55	HMGB1, IL-1 β , IL-33 and S100 proteins: dual-function alarmins. Cellular and Molecular Immunology, 2017, 14, 43-64.	4.8	333
56	An Oligomeric Signaling Platform Formed by the Toll-like Receptor Signal Transducers MyD88 and IRAK-4. Journal of Biological Chemistry, 2009, 284, 25404-25411.	1.6	323
57	Intracellular DNA recognition. Nature Reviews Immunology, 2010, 10, 123-130.	10.6	320
58	Noncanonical Autophagy Is Required for Type I Interferon Secretion in Response to DNA-Immune Complexes. Immunity, 2012, 37, 986-997.	6.6	315
59	Inflammasomes: too big to miss. Journal of Clinical Investigation, 2009, 119, 3502-3511.	3.9	306
60	Cutting Edge: Immune Stimulation by Neisserial Porins Is Toll-Like Receptor 2 and MyD88 Dependent. Journal of Immunology, 2002, 168, 1533-1537.	0.4	274
61	Trained immunity, tolerance, priming and differentiation: distinct immunological processes. Nature Immunology, 2021, 22, 2-6.	7.0	274
62	Cyclodextrin promotes atherosclerosis regression via macrophage reprogramming. Science Translational Medicine, 2016, 8, 333ra50.	5.8	271
63	NLRP3 inflammasome assembly is regulated by phosphorylation of the pyrin domain. Journal of Experimental Medicine, 2017, 214, 1725-1736.	4.2	270
64	Molecular Genetic Analysis of an Endotoxin Nonresponder Mutant Cell Line. Journal of Experimental Medicine, 2001, 194, 79-88.	4.2	269
65	Soluble Uric Acid Activates the NLRP3 Inflammasome. Scientific Reports, 2017, 7, 39884.	1.6	259
66	ASC Speck Formation as a Readout for Inflammasome Activation. Methods in Molecular Biology, 2013, 1040, 91-101.	0.4	257
67	Cutting Edge: FAS (CD95) Mediates Noncanonical IL-1 β and IL-18 Maturation via Caspase-8 in an RIP3-Independent Manner. Journal of Immunology, 2012, 189, 5508-5512.	0.4	254
68	The DNA Sugar Backbone β -Deoxyribose Determines Toll-like Receptor 9 Activation. Immunity, 2008, 28, 315-323.	6.6	245
69	Critical functions of priming and lysosomal damage for NLRP3 activation. European Journal of Immunology, 2010, 40, 620-623.	1.6	243
70	The Inflammasomes and Autoinflammatory Syndromes. Annual Review of Pathology: Mechanisms of Disease, 2015, 10, 395-424.	9.6	241
71	The myristoylation of TRIF-related adaptor molecule is essential for Toll-like receptor 4 signal transduction. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6299-6304.	3.3	238
72	Cholesterol Crystals Induce Complement-Dependent Inflammasome Activation and Cytokine Release. Journal of Immunology, 2014, 192, 2837-2845.	0.4	236

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73	Lysines 128 and 132 Enable Lipopolysaccharide Binding to MD-2, Leading to Toll-like Receptor-4 Aggregation and Signal Transduction. <i>Journal of Biological Chemistry</i> , 2003, 278, 48313-48320.	1.6	226
74	Systemic inflammation impairs microglial A β clearance through NLRP3 inflammasome. <i>EMBO Journal</i> , 2019, 38, e101064.	3.5	226
75	Inflammasomes on the Crossroads of Innate Immune Recognition and Metabolic Control. <i>Cell Metabolism</i> , 2017, 26, 71-93.	7.2	223
76	<i>Listeria monocytogenes</i> is sensed by the NLRP3 and AIM2 inflammasome. <i>European Journal of Immunology</i> , 2010, 40, 1545-1551.	1.6	221
77	Innate Immunity and Neurodegeneration. <i>Annual Review of Medicine</i> , 2018, 69, 437-449.	5.0	221
78	Toll-like Receptor Signaling Rewires Macrophage Metabolism and Promotes Histone Acetylation via ATP-Citrate Lyase. <i>Immunity</i> , 2019, 51, 997-1011.e7.	6.6	216
79	Poxvirus Protein N1L Targets the I κ B Kinase Complex, Inhibits Signaling to NF- κ B by the Tumor Necrosis Factor Superfamily of Receptors, and Inhibits NF- κ B and IRF3 Signaling by Toll-like Receptors. <i>Journal of Biological Chemistry</i> , 2004, 279, 36570-36578.	1.6	205
80	Activation of the NLRP3 Inflammasome by IAV Virulence Protein PB1-F2 Contributes to Severe Pathophysiology and Disease. <i>PLoS Pathogens</i> , 2013, 9, e1003392.	2.1	195
81	The Antifungal Drug Amphotericin B Promotes Inflammatory Cytokine Release by a Toll-like Receptor- and CD14-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2003, 278, 37561-37568.	1.6	184
82	Involvement of Toll-like Receptor (TLR) 2 and TLR4 in Cell Activation by Mannuronic Acid Polymers. <i>Journal of Biological Chemistry</i> , 2002, 277, 35489-35495.	1.6	178
83	RAGE is a nucleic acid receptor that promotes inflammatory responses to DNA. <i>Journal of Experimental Medicine</i> , 2013, 210, 2447-2463.	4.2	177
84	The Rab11a GTPase Controls Toll-like Receptor 4-Induced Activation of Interferon Regulatory Factor-3 on Phagosomes. <i>Immunity</i> , 2010, 33, 583-596.	6.6	173
85	New Insights into Mechanisms Controlling the NLRP3 Inflammasome and Its Role in Lung Disease. <i>American Journal of Pathology</i> , 2014, 184, 42-54.	1.9	170
86	Apolipoprotein C3 induces inflammation and organ damage by alternative inflammasome activation. <i>Nature Immunology</i> , 2020, 21, 30-41.	7.0	169
87	IL-1 β and IL-18: inflammatory markers or mediators of hypertension?. <i>British Journal of Pharmacology</i> , 2014, 171, 5589-5602.	2.7	168
88	Flavivirus Activation of Plasmacytoid Dendritic Cells Delineates Key Elements of TLR7 Signaling beyond Endosomal Recognition. <i>Journal of Immunology</i> , 2006, 177, 7114-7121.	0.4	167
89	Pharmacological inhibition of the NLRP3 inflammasome reduces blood pressure, renal damage, and dysfunction in salt-sensitive hypertension. <i>Cardiovascular Research</i> , 2019, 115, 776-787.	1.8	165
90	Microglia jointly degrade fibrillar alpha-synuclein cargo by distribution through tunneling nanotubes. <i>Cell</i> , 2021, 184, 5089-5106.e21.	13.5	158

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91	Cholesterol Crystals and Inflammation. <i>Current Rheumatology Reports</i> , 2013, 15, 313.	2.1	154
92	Dual Engagement of the NLRP3 and AIM2 Inflammasomes by Plasmodium-Derived Hemozoin and DNA during Malaria. <i>Cell Reports</i> , 2014, 6, 196-210.	2.9	152
93	Reassessing the role of the NLRP3 inflammasome during pathogenic influenza A virus infection via temporal inhibition. <i>Scientific Reports</i> , 2016, 6, 27912.	1.6	150
94	Early IFN- γ signatures and persistent dysfunction are distinguishing features of NK cells in severe COVID-19. <i>Immunity</i> , 2021, 54, 2650-2669.e14.	6.6	145
95	An NLRP3-specific inflammasome inhibitor attenuates crystal-induced kidney fibrosis in mice. <i>Kidney International</i> , 2016, 90, 525-539.	2.6	144
96	Inflammasome activity is essential for one kidney/deoxycorticosterone acetate/salt-induced hypertension in mice. <i>British Journal of Pharmacology</i> , 2016, 173, 752-765.	2.7	143
97	Pharmacological Inhibition of Endotoxin Responses Is Achieved by Targeting the TLR4 Coreceptor, MD-2. <i>Journal of Immunology</i> , 2005, 175, 6465-6472.	0.4	139
98	Efficacy and Pharmacology of the NLRP3 Inflammasome Inhibitor CP-456,773 (CRID3) in Murine Models of Dermal and Pulmonary Inflammation. <i>Journal of Immunology</i> , 2016, 197, 2421-2433.	0.4	138
99	Recent insights into the molecular mechanisms of the NLRP3 inflammasome activation. <i>F1000Research</i> , 2016, 5, 1469.	0.8	136
100	The Inflammasome in Atherosclerosis and Type 2 Diabetes. <i>Science Translational Medicine</i> , 2011, 3, 81ps17.	5.8	134
101	Cellular Differentiation of Human Monocytes Is Regulated by Time-Dependent Interleukin-4 Signaling and the Transcriptional Regulator NCOR2. <i>Immunity</i> , 2017, 47, 1051-1066.e12.	6.6	133
102	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
103	ATF3 Is a Key Regulator of Macrophage IFN Responses. <i>Journal of Immunology</i> , 2015, 195, 4446-4455.	0.4	121
104	Circulating microbiome in blood of different circulatory compartments. <i>Gut</i> , 2019, 68, 578-580.	6.1	120
105	TLR-Independent Type I Interferon Induction in Response to an Extracellular Bacterial Pathogen via Intracellular Recognition of Its DNA. <i>Cell Host and Microbe</i> , 2008, 4, 543-554.	5.1	118
106	<i>Haemophilus influenzae</i> Type b-Outer Membrane Protein Complex Glycoconjugate Vaccine Induces Cytokine Production by Engaging Human Toll-Like Receptor 2 (TLR2) and Requires the Presence of TLR2 for Optimal Immunogenicity. <i>Journal of Immunology</i> , 2004, 172, 2431-2438.	0.4	117
107	Novel Small Molecule Inhibitors of TLR7 and TLR9: Mechanism of Action and Efficacy In Vivo. <i>Molecular Pharmacology</i> , 2014, 85, 429-440.	1.0	117
108	Intracellular sensing of microbes and danger signals by the inflammasomes. <i>Immunological Reviews</i> , 2011, 243, 119-135.	2.8	113

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109	<i>Cryptococcus neoformans</i> Glycoantigens Are Captured by Multiple Lectin Receptors and Presented by Dendritic Cells. <i>Journal of Immunology</i> , 2006, 176, 3053-3061.	0.4	112
110	Endothelial Microparticle Uptake in Target Cells Is Annexin I/Phosphatidylserine Receptor Dependent and Prevents Apoptosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1925-1935.	1.1	110
111	NLRP3 inflammasome activation in inflammaging. <i>Seminars in Immunology</i> , 2018, 40, 61-73.	2.7	109
112	β -Amyloid Clustering around ASC Fibrils Boosts Its Toxicity in Microglia. <i>Cell Reports</i> , 2020, 30, 3743-3754.e6.	2.9	109
113	Structure of the NLRP3 decamer bound to the cytokine release inhibitor CRID3. <i>Nature</i> , 2022, 604, 184-189.	13.7	109
114	Importance of extra- and intracellular domains of TLR1 and TLR2 in NF κ B signaling. <i>Journal of Cell Biology</i> , 2003, 162, 1099-1110.	2.3	108
115	Nucleic acid sensing TLRs and autoimmunity: novel insights from structural and cell biology. <i>Immunological Reviews</i> , 2016, 269, 60-75.	2.8	108
116	The Western lifestyle has lasting effects on metaflammation. <i>Nature Reviews Immunology</i> , 2019, 19, 267-268.	10.6	107
117	Crystal Formation in Inflammation. <i>Annual Review of Immunology</i> , 2016, 34, 173-202.	9.5	106
118	TLR8 Senses Bacterial RNA in Human Monocytes and Plays a Nonredundant Role for Recognition of <i>Streptococcus pyogenes</i> . <i>Journal of Immunology</i> , 2015, 195, 1092-1099.	0.4	105
119	Human NACHT, LRR, and PYD domain-containing protein 3 (NLRP3) inflammasome activity is regulated by and potentially targetable through Bruton tyrosine kinase. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1054-1067.e10.	1.5	105
120	Assembly and regulation of ASC specks. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 1211-1229.	2.4	105
121	N-protein presents early in blood, dried blood and saliva during asymptomatic and symptomatic SARS-CoV-2 infection. <i>Nature Communications</i> , 2021, 12, 1931.	5.8	104
122	Activation of the NLRP3 inflammasome in microglia: the role of ceramide. <i>Journal of Neurochemistry</i> , 2017, 143, 534-550.	2.1	101
123	A Fluorescent Reporter Mouse for Inflammasome Assembly Demonstrates an Important Role for Cell-Bound and Free ASC Specks during In Vivo Infection. <i>Cell Reports</i> , 2016, 16, 571-582.	2.9	99
124	Discovery of PF-06928215 as a high affinity inhibitor of cGAS enabled by a novel fluorescence polarization assay. <i>PLoS ONE</i> , 2017, 12, e0184843.	1.1	99
125	Platelets Fuel the Inflammasome Activation of Innate Immune Cells. <i>Cell Reports</i> , 2020, 31, 107615.	2.9	96
126	CX3CR1 is a gatekeeper for intestinal barrier integrity in mice: Limiting steatohepatitis by maintaining intestinal homeostasis. <i>Hepatology</i> , 2015, 62, 1405-1416.	3.6	94

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127	The Chaperone UNC93B1 Regulates Toll-like Receptor Stability Independently of Endosomal TLR Transport. <i>Immunity</i> , 2018, 48, 911-922.e7.	6.6	92
128	Danger Signaling in Atherosclerosis. <i>Circulation Research</i> , 2015, 116, 323-340.	2.0	87
129	Interleukin-1 receptor-associated kinase 4 (IRAK4) plays a dual role in myddosome formation and Toll-like receptor signaling. <i>Journal of Biological Chemistry</i> , 2018, 293, 15195-15207.	1.6	86
130	TLR9 and the Recognition of Self and Non-Self Nucleic Acids. <i>Annals of the New York Academy of Sciences</i> , 2006, 1082, 31-43.	1.8	84
131	Cellular Clearance and Biological Activity of Calciprotein Particles Depend on Their Maturation State and Crystallinity. <i>Frontiers in Immunology</i> , 2018, 9, 1991.	2.2	84
132	Alternating 2- ⁶ -O-ribose methylation is a universal approach for generating non-stimulatory siRNA by acting as TLR7 antagonist. <i>Immunobiology</i> , 2010, 215, 559-569.	0.8	82
133	The intra- and extracellular functions of ASC specks. <i>Immunological Reviews</i> , 2018, 281, 74-87.	2.8	82
134	Olfactory receptor 2 in vascular macrophages drives atherosclerosis by NLRP3-dependent IL-1 production. <i>Science</i> , 2022, 375, 214-221.	6.0	81
135	STAT3 serine phosphorylation is required for TLR4 metabolic reprogramming and IL-1 ^β expression. <i>Nature Communications</i> , 2020, 11, 3816.	5.8	78
136	Increase in liver stiffness after transjugular intrahepatic portosystemic shunt is associated with inflammation and predicts mortality. <i>Hepatology</i> , 2018, 67, 1472-1484.	3.6	77
137	Chemical genetics reveals a kinase-independent role for protein kinase R in pyroptosis. <i>Nature Chemical Biology</i> , 2013, 9, 398-405.	3.9	76
138	Long-term activation of the innate immune system in atherosclerosis. <i>Seminars in Immunology</i> , 2016, 28, 384-393.	2.7	75
139	Recruitment and Endo-Lysosomal Activation of TLR9 in Dendritic Cells Infected with <i>Trypanosoma cruzi</i> . <i>Journal of Immunology</i> , 2008, 181, 1333-1344.	0.4	74
140	HIV Type 1 Infection Up-Regulates TLR2 and TLR4 Expression and Function <i>in Vivo</i> and <i>in Vitro</i> . <i>AIDS Research and Human Retroviruses</i> , 2012, 28, 1313-1328.	0.5	73
141	Influence of genetic variations in TLR4 and TIRAP/Mal on the course of sepsis and pneumonia and cytokine release: an observational study in three cohorts. <i>Critical Care</i> , 2010, 14, R103.	2.5	72
142	PB1-F2 Peptide Derived from Avian Influenza A Virus H7N9 Induces Inflammation via Activation of the NLRP3 Inflammasome. <i>Journal of Biological Chemistry</i> , 2017, 292, 826-836.	1.6	70
143	Inflammasome-Dependent and -Independent IL-18 Production Mediates Immunity to the ISCOMATRIX Adjuvant. <i>Journal of Immunology</i> , 2014, 192, 3259-3268.	0.4	69
144	Immune response in COVID-19: what is next?. <i>Cell Death and Differentiation</i> , 2022, 29, 1107-1122.	5.0	69

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145	Transcriptome Assessment Reveals a Dominant Role for TLR4 in the Activation of Human Monocytes by the Alarmin MRP8. <i>Journal of Immunology</i> , 2015, 194, 575-583.	0.4	68
146	Interferons and inflammasomes: Cooperation and counterregulation in disease. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 37-46.	1.5	68
147	Imbalanced gut microbiota fuels hepatocellular carcinoma development by shaping the hepatic inflammatory microenvironment. <i>Nature Communications</i> , 2022, 13, .	5.8	68
148	Light induces NLRP3 inflammasome activation in retinal pigment epithelial cells via lipofuscin-mediated photooxidative damage. <i>Journal of Molecular Medicine</i> , 2015, 93, 905-916.	1.7	67
149	Localization of 1-deoxysphingolipids to mitochondria induces mitochondrial dysfunction. <i>Journal of Lipid Research</i> , 2017, 58, 42-59.	2.0	67
150	Rational Design of Immunostimulatory siRNAs. <i>Molecular Therapy</i> , 2010, 18, 785-795.	3.7	66
151	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
152	Molecular Integration of Incretin and Glucocorticoid Action Reverses Immunometabolic Dysfunction and Obesity. <i>Cell Metabolism</i> , 2017, 26, 620-632.e6.	7.2	66
153	iGLuc: a luciferase-based inflammasome and protease activity reporter. <i>Nature Methods</i> , 2013, 10, 147-154.	9.0	65
154	Comparative Toll-Like Receptor 4-Mediated Innate Host Defense to <i>Bordetella</i> Infection. <i>Infection and Immunity</i> , 2005, 73, 8144-8152.	1.0	63
155	Intestinal Dysbiosis Amplifies Acetaminophen-Induced Acute Liver Injury. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 909-933.	2.3	62
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