

# Zhijian J Chen

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6451386/zhijian-j-chen-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

173  
papers

45,551  
citations

95  
h-index

190  
g-index

190  
ext. papers

53,537  
ext. citations

21.5  
avg, IF

7.98  
L-index

#	Paper	IF	Citations
173	Identification and characterization of MAVS, a mitochondrial antiviral signaling protein that activates NF-kappaB and IRF 3. <i>Cell</i> , <b>2005</b> , 122, 669-82	56.2	2362
172	Cyclic GMP-AMP synthase is a cytosolic DNA sensor that activates the type I interferon pathway. <i>Science</i> , <b>2013</b> , 339, 786-91	33.3	2259
171	TAK1 is a ubiquitin-dependent kinase of MKK and IKK. <i>Nature</i> , <b>2001</b> , 412, 346-51	50.4	1617
170	Activation of the IkappaB kinase complex by TRAF6 requires a dimeric ubiquitin-conjugating enzyme complex and a unique polyubiquitin chain. <i>Cell</i> , <b>2000</b> , 103, 351-61	56.2	1485
169	Cyclic GMP-AMP is an endogenous second messenger in innate immune signaling by cytosolic DNA. <i>Science</i> , <b>2013</b> , 339, 826-30	33.3	1207
168	TRIM25 RING-finger E3 ubiquitin ligase is essential for RIG-I-mediated antiviral activity. <i>Nature</i> , <b>2007</b> , 446, 916-920	50.4	1135
167	Signal-induced site-specific phosphorylation targets I kappa B alpha to the ubiquitin-proteasome pathway. <i>Genes and Development</i> , <b>1995</b> , 9, 1586-97	12.6	1072
166	STING-Dependent Cytosolic DNA Sensing Promotes Radiation-Induced Type I Interferon-Dependent Antitumor Immunity in Immunogenic Tumors. <i>Immunity</i> , <b>2014</b> , 41, 843-52	32.3	985
165	Ubiquitin signalling in the NF-kappaB pathway. <i>Nature Cell Biology</i> , <b>2005</b> , 7, 758-65	23.4	979
164	Site-specific phosphorylation of IkappaBalpha by a novel ubiquitination-dependent protein kinase activity. <i>Cell</i> , <b>1996</b> , 84, 853-62	56.2	875
163	RNA polymerase III detects cytosolic DNA and induces type I interferons through the RIG-I pathway. <i>Cell</i> , <b>2009</b> , 138, 576-91	56.2	871
162	Regulation and function of the cGAS-STING pathway of cytosolic DNA sensing. <i>Nature Immunology</i> , <b>2016</b> , 17, 1142-9	19.1	834
161	MAVS forms functional prion-like aggregates to activate and propagate antiviral innate immune response. <i>Cell</i> , <b>2011</b> , 146, 448-61	56.2	812
160	Phosphorylation of innate immune adaptor proteins MAVS, STING, and TRIF induces IRF3 activation. <i>Science</i> , <b>2015</b> , 347, aaa2630	33.3	805
159	Activation of IKK by TNFalpha requires site-specific ubiquitination of RIP1 and polyubiquitin binding by NEMO. <i>Molecular Cell</i> , <b>2006</b> , 22, 245-57	17.6	799
158	Innate immune sensing and signaling of cytosolic nucleic acids. <i>Annual Review of Immunology</i> , <b>2014</b> , 32, 461-88	34.7	725
157	TAB2 and TAB3 activate the NF-kappaB pathway through binding to polyubiquitin chains. <i>Molecular Cell</i> , <b>2004</b> , 15, 535-48	17.6	681

156	Activation of the I kappa B alpha kinase complex by MEKK1, a kinase of the JNK pathway. <i>Cell</i> , <b>1997</b> , 88, 213-22	56.2	675
155	Nonproteolytic functions of ubiquitin in cell signaling. <i>Molecular Cell</i> , <b>2009</b> , 33, 275-86	17.6	665
154	Pivotal roles of cGAS-cGAMP signaling in antiviral defense and immune adjuvant effects. <i>Science</i> , <b>2013</b> , 341, 1390-4	33.3	664
153	Cyclic GMP-AMP synthase is an innate immune sensor of HIV and other retroviruses. <i>Science</i> , <b>2013</b> , 341, 903-6	33.3	656
152	Hepatitis C virus protease NS3/4A cleaves mitochondrial antiviral signaling protein off the mitochondria to evade innate immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 17717-22	11.5	649
151	STING specifies IRF3 phosphorylation by TBK1 in the cytosolic DNA signaling pathway. <i>Science Signaling</i> , <b>2012</b> , 5, ra20	8.8	636
150	Peroxisomes are signaling platforms for antiviral innate immunity. <i>Cell</i> , <b>2010</b> , 141, 668-81	56.2	577
149	Cyclic GMP-AMP containing mixed phosphodiester linkages is an endogenous high-affinity ligand for STING. <i>Molecular Cell</i> , <b>2013</b> , 51, 226-35	17.6	576
148	The TRAF6 ubiquitin ligase and TAK1 kinase mediate IKK activation by BCL10 and MALT1 in T lymphocytes. <i>Molecular Cell</i> , <b>2004</b> , 14, 289-301	17.6	570
147	The cGAS-cGAMP-STING pathway of cytosolic DNA sensing and signaling. <i>Molecular Cell</i> , <b>2014</b> , 54, 289-96	17.6	548
146	Signal-induced degradation of I kappa B alpha requires site-specific ubiquitination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 11259-63	11.5	513
145	The specific and essential role of MAVS in antiviral innate immune responses. <i>Immunity</i> , <b>2006</b> , 24, 633-42	23.3	489
144	Ubiquitylation in innate and adaptive immunity. <i>Nature</i> , <b>2009</b> , 458, 430-7	50.4	470
143	The cGAS-cGAMP-STING pathway connects DNA damage to inflammation, senescence, and cancer. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 1287-1299	16.6	454
142	Reconstitution of the RIG-I pathway reveals a signaling role of unanchored polyubiquitin chains in innate immunity. <i>Cell</i> , <b>2010</b> , 141, 315-30	56.2	447
141	A STING-activating nanovaccine for cancer immunotherapy. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 648-654	28.7	441
140	Apoptotic caspases prevent the induction of type I interferons by mitochondrial DNA. <i>Cell</i> , <b>2014</b> , 159, 1563-77	56.2	434
139	NLRX1 is a regulator of mitochondrial antiviral immunity. <i>Nature</i> , <b>2008</b> , 451, 573-7	50.4	432

138	cGAS is essential for cellular senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E4612-E4620	11.5	422
137	Direct activation of protein kinases by unanchored polyubiquitin chains. <i>Nature</i> , <b>2009</b> , 461, 114-9	50.4	412
136	The role of ubiquitin in NF-kappaB regulatory pathways. <i>Annual Review of Biochemistry</i> , <b>2009</b> , 78, 769-9629.1		402
135	Prion-like polymerization underlies signal transduction in antiviral immune defense and inflammasome activation. <i>Cell</i> , <b>2014</b> , 156, 1207-1222	56.2	383
134	Signal-induced ubiquitination of IkappaBalpha by the F-box protein Slimb/beta-TrCP. <i>Genes and Development</i> , <b>1999</b> , 13, 284-94	12.6	362
133	The novel functions of ubiquitination in signaling. <i>Current Opinion in Cell Biology</i> , <b>2004</b> , 16, 119-26	9	359
132	The essential role of MEKK3 in TNF-induced NF-kappaB activation. <i>Nature Immunology</i> , <b>2001</b> , 2, 620-4	19.1	353
131	Activation of cyclic GMP-AMP synthase by self-DNA causes autoimmune diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E5699-705	11.5	352
130	Intrinsic antiviral immunity. <i>Nature Immunology</i> , <b>2012</b> , 13, 214-22	19.1	346
129	Antiviral innate immunity pathways. <i>Cell Research</i> , <b>2006</b> , 16, 141-7	24.7	340
128	T cell antigen receptor stimulation induces MALT1 paracaspase-mediated cleavage of the NF-kappaB inhibitor A20. <i>Nature Immunology</i> , <b>2008</b> , 9, 263-71	19.1	339
127	Ubiquitin-mediated activation of TAK1 and IKK. <i>Oncogene</i> , <b>2007</b> , 26, 3214-26	9.2	337
126	Autophagy induction via STING trafficking is a primordial function of the cGAS pathway. <i>Nature</i> , <b>2019</b> , 567, 262-266	50.4	330
125	NLRC5 negatively regulates the NF-kappaB and type I interferon signaling pathways. <i>Cell</i> , <b>2010</b> , 141, 483-96	56.2	312
124	DNA-induced liquid phase condensation of cGAS activates innate immune signaling. <i>Science</i> , <b>2018</b> , 361, 704-709	33.3	307
123	cGAS in action: Expanding roles in immunity and inflammation. <i>Science</i> , <b>2019</b> , 363,	33.3	286
122	Ubiquitin-induced oligomerization of the RNA sensors RIG-I and MDA5 activates antiviral innate immune response. <i>Immunity</i> , <b>2012</b> , 36, 959-73	32.3	284
121	Ubiquitination in signaling to and activation of IKK. <i>Immunological Reviews</i> , <b>2012</b> , 246, 95-106	11.3	282

120	Cyclic GMP-AMP Synthase Is an Innate Immune DNA Sensor for Mycobacterium tuberculosis. <i>Cell Host and Microbe</i> , <b>2015</b> , 17, 820-8	23.4	259
119	cGAS is essential for the antitumor effect of immune checkpoint blockade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 1637-1642	11.5	249
118	Structural basis of STING binding with and phosphorylation by TBK1. <i>Nature</i> , <b>2019</b> , 567, 394-398	50.4	238
117	The cytosolic DNA sensor cGAS forms an oligomeric complex with DNA and undergoes switch-like conformational changes in the activation loop. <i>Cell Reports</i> , <b>2014</b> , 6, 421-30	10.6	238
116	PtdIns4P on dispersed trans-Golgi network mediates NLRP3 inflammasome activation. <i>Nature</i> , <b>2018</b> , 564, 71-76	50.4	234
115	Structural basis for ubiquitin-mediated antiviral signal activation by RIG-I. <i>Nature</i> , <b>2014</b> , 509, 110-4	50.4	232
114	MAVS recruits multiple ubiquitin E3 ligases to activate antiviral signaling cascades. <i>ELife</i> , <b>2013</b> , 2, e00785	5.9	227
113	Competing E3 ubiquitin ligases govern circadian periodicity by degradation of CRY in nucleus and cytoplasm. <i>Cell</i> , <b>2013</b> , 152, 1091-105	56.2	224
112	A host type I interferon response is induced by cytosolic sensing of the bacterial second messenger cyclic-di-GMP. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 1899-911	16.6	222
111	The role of ubiquitylation in immune defence and pathogen evasion. <i>Nature Reviews Immunology</i> , <b>2011</b> , 12, 35-48	36.5	221
110	NLRX1 negatively regulates TLR-induced NF- $\kappa$ B signaling by targeting TRAF6 and IKK. <i>Immunity</i> , <b>2011</b> , 34, 843-53	32.3	206
109	A ubiquitin replacement strategy in human cells reveals distinct mechanisms of IKK activation by TNF $\alpha$ and IL-1 $\beta$ . <i>Molecular Cell</i> , <b>2009</b> , 36, 302-14	17.6	204
108	Direct, noncatalytic mechanism of IKK inhibition by A20. <i>Molecular Cell</i> , <b>2011</b> , 44, 559-71	17.6	195
107	Cryo-EM structures of STING reveal its mechanism of activation by cyclic GMP-AMP. <i>Nature</i> , <b>2019</b> , 567, 389-393	50.4	192
106	Detection of Microbial Infections Through Innate Immune Sensing of Nucleic Acids. <i>Annual Review of Microbiology</i> , <b>2018</b> , 72, 447-478	17.5	192
105	Expanding role of ubiquitination in NF- $\kappa$ B signaling. <i>Cell Research</i> , <b>2011</b> , 21, 6-21	24.7	184
104	Cyclic di-GMP sensing via the innate immune signaling protein STING. <i>Molecular Cell</i> , <b>2012</b> , 46, 735-45	17.6	180
103	Regulation of NF- $\kappa$ B by ubiquitination. <i>Current Opinion in Immunology</i> , <b>2013</b> , 25, 4-12	7.8	174

102	Cigarette smoke selectively enhances viral PAMP- and virus-induced pulmonary innate immune and remodeling responses in mice. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 2771-84	15.9	174
101	Emerging role of ISG15 in antiviral immunity. <i>Cell</i> , <b>2010</b> , 143, 187-90	56.2	167
100	ATM- and NEMO-dependent ELKS ubiquitination coordinates TAK1-mediated IKK activation in response to genotoxic stress. <i>Molecular Cell</i> , <b>2010</b> , 40, 75-86	17.6	163
99	STING Senses Microbial Viability to Orchestrate Stress-Mediated Autophagy of the Endoplasmic Reticulum. <i>Cell</i> , <b>2017</b> , 171, 809-823.e13	56.2	159
98	Act1, a U-box E3 ubiquitin ligase for IL-17 signaling. <i>Science Signaling</i> , <b>2009</b> , 2, ra63	8.8	157
97	Regulation of WASH-dependent actin polymerization and protein trafficking by ubiquitination. <i>Cell</i> , <b>2013</b> , 152, 1051-64	56.2	155
96	Structure of a diubiquitin conjugate and a model for interaction with ubiquitin conjugating enzyme (E2). <i>Journal of Biological Chemistry</i> , <b>1992</b> , 267, 16467-71	5.4	152
95	MAVS-mediated apoptosis and its inhibition by viral proteins. <i>PLoS ONE</i> , <b>2009</b> , 4, e5466	3.7	145
94	E1-L2 activates both ubiquitin and FAT10. <i>Molecular Cell</i> , <b>2007</b> , 27, 1014-23	17.6	142
93	An Argonaute phosphorylation cycle promotes microRNA-mediated silencing. <i>Nature</i> , <b>2017</b> , 542, 197-203	30.4	140
92	Key role of Ubc5 and lysine-63 polyubiquitination in viral activation of IRF3. <i>Molecular Cell</i> , <b>2009</b> , 36, 315-25	17.6	133
91	Essential role of TAK1 in thymocyte development and activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 11677-82	11.5	130
90	Type I interferon production during herpes simplex virus infection is controlled by cell-type-specific viral recognition through Toll-like receptor 9, the mitochondrial antiviral signaling protein pathway, and novel recognition systems. <i>Journal of Virology</i> , <b>2007</b> , 81, 13315-24	6.6	129
89	HSV-1 ICP27 targets the TBK1-activated STING signaling to inhibit virus-induced type I IFN expression. <i>EMBO Journal</i> , <b>2016</b> , 35, 1385-99	13	128
88	Dendritic Cells but Not Macrophages Sense Tumor Mitochondrial DNA for Cross-priming through Signal Regulatory Protein 5 Signaling. <i>Immunity</i> , <b>2017</b> , 47, 363-373.e5	32.3	126
87	Blood vessel tubulogenesis requires Rasip1 regulation of GTPase signaling. <i>Developmental Cell</i> , <b>2011</b> , 20, 526-39	10.2	122
86	Structural basis for the prion-like MAVS filaments in antiviral innate immunity. <i>ELife</i> , <b>2014</b> , 3, e01489	8.9	117
85	MAVS and MyD88 are essential for innate immunity but not cytotoxic T lymphocyte response against respiratory syncytial virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 14046-51	11.5	113

84	Nuclear factor-kappaB protects the adult cardiac myocyte against ischemia-induced apoptosis in a murine model of acute myocardial infarction. <i>Circulation</i> , <b>2003</b> , 108, 3075-8	16.7	112
83	Hijacking of host cell IKK signalosomes by the transforming parasite <i>Theileria</i> . <i>Science</i> , <b>2002</b> , 298, 1033-6	33.3	112
82	TIFA activates IkappaB kinase (IKK) by promoting oligomerization and ubiquitination of TRAF6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 15318-23	11.5	102
81	The role of ubiquitination in <i>Drosophila</i> innate immunity. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 34048-55	34.5	100
80	Modified vaccinia virus Ankara triggers type I IFN production in murine conventional dendritic cells via a cGAS/STING-mediated cytosolic DNA-sensing pathway. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1003989	7.6	99
79	Herpes simplex virus infection is sensed by both Toll-like receptors and retinoic acid-inducible gene- like receptors, which synergize to induce type I interferon production. <i>Journal of General Virology</i> , <b>2009</b> , 90, 74-8	4.9	97
78	K33-Linked Polyubiquitination of Coronin 7 by Cul3-KLHL20 Ubiquitin E3 Ligase Regulates Protein Trafficking. <i>Molecular Cell</i> , <b>2014</b> , 54, 586-600	17.6	95
77	Sequence specific detection of bacterial 23S ribosomal RNA by TLR13. <i>ELife</i> , <b>2012</b> , 1, e00102	8.9	93
76	HSV infection induces production of ROS, which potentiate signaling from pattern recognition receptors: role for S-glutathionylation of TRAF3 and 6. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1002250	7.6	92
75	A20 ubiquitin ligase-mediated polyubiquitination of RIP1 inhibits caspase-8 cleavage and TRAIL-induced apoptosis in glioblastoma. <i>Cancer Discovery</i> , <b>2012</b> , 2, 140-55	24.4	90
74	MAVS, cGAS, and endogenous retroviruses in T-independent B cell responses. <i>Science</i> , <b>2014</b> , 346, 1486-93	33.3	87
73	A catalytic-independent role for the LUBAC in NF-B activation upon antigen receptor engagement and in lymphoma cells. <i>Blood</i> , <b>2014</b> , 123, 2199-203	2.2	78
72	Cytosolic DNA Sensing Promotes Macrophage Transformation and Governs Myocardial Ischemic Injury. <i>Circulation</i> , <b>2018</b> , 137, 2613-2634	16.7	77
71	Structures and Mechanisms in the cGAS-STING Innate Immunity Pathway. <i>Immunity</i> , <b>2020</b> , 53, 43-53	32.3	77
70	Sorting out Toll signals. <i>Cell</i> , <b>2006</b> , 125, 834-6	56.2	76
69	IKK $\alpha$ is an IRF5 kinase that instigates inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 17438-43	11.5	71
68	Mitochondrial antiviral signaling protein (MAVS) monitors commensal bacteria and induces an immune response that prevents experimental colitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 17390-5	11.5	67
67	Synthetic nanovaccines for immunotherapy. <i>Journal of Controlled Release</i> , <b>2017</b> , 263, 200-210	11.7	65

66	Elucidation of the c-Jun N-terminal kinase pathway mediated by Estein-Barr virus-encoded latent membrane protein 1. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 192-9	4.8	65
65	Endocytic pathway is required for Drosophila Toll innate immune signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 8322-7	11.5	62
64	A critical role of TAK1 in B-cell receptor-mediated nuclear factor kappaB activation. <i>Blood</i> , <b>2009</b> , 113, 4566-74	2.2	62
63	Kinetic studies of isopeptidase T: modulation of peptidase activity by ubiquitin. <i>Biochemistry</i> , <b>1995</b> , 34, 12616-23	3.2	62
62	Neddylated E2 UBE2F Promotes the Survival of Lung Cancer Cells by Activating CRL5 to Degrade NOXA via the K11 Linkage. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 1104-1116	12.9	60
61	Vps9p CUE domain ubiquitin binding is required for efficient endocytic protein traffic. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 19826-33	5.4	57
60	Nsp1 protein of SARS-CoV-2 disrupts the mRNA export machinery to inhibit host gene expression. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	56
59	TRAF2: a double-edged sword?. <i>Science Signaling</i> , <b>2005</b> , 2005, pe7	8.8	55
58	SnapShot: pathways of antiviral innate immunity. <i>Cell</i> , <b>2010</b> , 140, 436-436.e2	56.2	54
57	Diversity of polyubiquitin chains. <i>Developmental Cell</i> , <b>2009</b> , 16, 485-6	10.2	54
56	Activation of the interferon-beta promoter during hepatitis C virus RNA replication. <i>Viral Immunology</i> , <b>2002</b> , 15, 29-40	1.7	54
55	A novel mitochondrial MAVS/Caspase-8 platform links RNA virus-induced innate antiviral signaling to Bax/Bak-independent apoptosis. <i>Journal of Immunology</i> , <b>2014</b> , 192, 1171-83	5.3	52
54	Ubiquitin in NF-kappaB signaling. <i>Chemical Reviews</i> , <b>2009</b> , 109, 1549-60	68.1	49
53	Murine gamma-herpesvirus 68 hijacks MAVS and IKKbeta to initiate lytic replication. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1001001	7.6	48
52	Influenza virus differentially activates mTORC1 and mTORC2 signaling to maximize late stage replication. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006635	7.6	47
51	Ubiquitination and TRAF signaling. <i>Advances in Experimental Medicine and Biology</i> , <b>2007</b> , 597, 80-92	3.6	46
50	Molecular basis for the specific recognition of the metazoan cyclic GMP-AMP by the innate immune adaptor protein STING. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8947-52	11.5	45
49	Phosphorylation and chromatin tethering prevent cGAS activation during mitosis. <i>Science</i> , <b>2021</b> , 371,	33.3	45

48	MLH1 Deficiency-Triggered DNA Hyperexcision by Exonuclease 1 Activates the cGAS-STING Pathway. <i>Cancer Cell</i> , <b>2021</b> , 39, 109-121.e5	24.3	42
47	IKKε-mediated tumorigenesis requires K63-linked polyubiquitination by a cIAP1/cIAP2/TRAF2 E3 ubiquitin ligase complex. <i>Cell Reports</i> , <b>2013</b> , 3, 724-33	10.6	40
46	Persistent stimulation with interleukin-17 desensitizes cells through SCF <sup>β</sup> TrCP-mediated degradation of Act1. <i>Science Signaling</i> , <b>2011</b> , 4, ra73	8.8	40
45	TBK1 recruitment to STING activates both IRF3 and NF-κB that mediate immune defense against tumors and viral infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	40
44	Roles of the cGAS-STING Pathway in Cancer Immunosurveillance and Immunotherapy. <i>Annual Review of Cancer Biology</i> , <b>2019</b> , 3, 323-344	13.3	38
43	Pellino 3b negatively regulates interleukin-1-induced TAK1-dependent NF kappaB activation. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 14654-64	5.4	38
42	Old dogs, new trick: classic cancer therapies activate cGAS. <i>Cell Research</i> , <b>2020</b> , 30, 639-648	24.7	37
41	Both K63 and K48 ubiquitin linkages signal lysosomal degradation of the LDL receptor. <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 1410-20	6.3	35
40	Vaccinia virus subverts a mitochondrial antiviral signaling protein-dependent innate immune response in keratinocytes through its double-stranded RNA binding protein, E3. <i>Journal of Virology</i> , <b>2008</b> , 82, 10735-46	6.6	35
39	Human metapneumovirus M2-2 protein inhibits innate cellular signaling by targeting MAVS. <i>Journal of Virology</i> , <b>2012</b> , 86, 13049-61	6.6	34
38	Prion-Like Polymerization in Immunity and Inflammation. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2017</b> , 9,	10.2	33
37	STEEP mediates STING ER exit and activation of signaling. <i>Nature Immunology</i> , <b>2020</b> , 21, 868-879	19.1	30
36	Innate Immune Activation by cGMP-AMP Nanoparticles Leads to Potent and Long-Acting Antiretroviral Response against HIV-1. <i>Journal of Immunology</i> , <b>2017</b> , 199, 3840-3848	5.3	29
35	Cell biology. Kinasing and clipping down the NF-kappa B trail. <i>Science</i> , <b>2005</b> , 308, 65-6	33.3	28
34	cGAS suppresses genomic instability as a decelerator of replication forks. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	28
33	Innate immune response to <i>Streptococcus pyogenes</i> depends on the combined activation of TLR13 and TLR2. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119727	3.7	27
32	CC2D1A, a DM14 and C2 domain protein, activates NF-kappaB through the canonical pathway. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 24372-80	5.4	26
31	Prion-like polymerization as a signaling mechanism. <i>Trends in Immunology</i> , <b>2014</b> , 35, 622-630	14.4	23

30	Differential roles for RIG-I-like receptors and nucleic acid-sensing TLR pathways in controlling a chronic viral infection. <i>Journal of Immunology</i> , <b>2012</b> , 188, 4432-40	5.3	23
29	Cc2d1a, a C2 domain containing protein linked to nonsyndromic mental retardation, controls functional maturation of central synapses. <i>Journal of Neurophysiology</i> , <b>2011</b> , 105, 1506-15	3.2	22
28	Linking retroelements to autoimmunity. <i>Cell</i> , <b>2008</b> , 134, 569-71	56.2	22
27	Structural insights into the activation of RIG-I, a nanosensor for viral RNAs. <i>EMBO Reports</i> , <b>2011</b> , 13, 7-8	6.5	21
26	Viperin links lipid bodies to immune defense. <i>Immunity</i> , <b>2011</b> , 34, 285-7	32.3	20
25	K63-Ubiquitylation and TRAF6 Pathways Regulate Mammalian P-Body Formation and mRNA Decapping. <i>Molecular Cell</i> , <b>2016</b> , 62, 943-957	17.6	18
24	Streptococci Engage TLR13 on Myeloid Cells in a Site-Specific Fashion. <i>Journal of Immunology</i> , <b>2016</b> , 196, 2733-41	5.3	18
23	RNA helicase signaling is critical for type I interferon production and protection against Rift Valley fever virus during mucosal challenge. <i>Journal of Virology</i> , <b>2013</b> , 87, 4846-60	6.6	17
22	Consensus report of the 8 and 9th Weinman Symposia on Gene x Environment Interaction in carcinogenesis: novel opportunities for precision medicine. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 1885-1904	12.7	17
21	A GTPase-activating protein-binding protein (G3BP1)/antiviral protein relay conveys arteriosclerotic Wnt signals in aortic smooth muscle cells. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 7942-7968	5.4	16
20	TLR sensing of bacterial spore-associated RNA triggers host immune responses with detrimental effects. <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 1297-1311	16.6	15
19	Pivotal role for the ubiquitin Y59-E51 loop in lysine 48 polyubiquitination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 8434-9	11.5	15
18	MITA gating viral infection. <i>Immunity</i> , <b>2008</b> , 29, 513-5	32.3	14
17	Discovery of Small-Molecule Cyclic GMP-AMP Synthase Inhibitors. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 1579-1600	4.2	13
16	Ubiquitin-dependent activation of NF-kappaB: K63-linked ubiquitin chains: a link to cancer?. <i>Cancer Biology and Therapy</i> , <b>2004</b> , 3, 286-8	4.6	11
15	Structural-functional interactions of NS1-BP protein with the splicing and mRNA export machineries for viral and host gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E12218-E12227	11.5	11
14	Protein ubiquitination: CHiPPing away the symmetry. <i>Molecular Cell</i> , <b>2005</b> , 20, 653-5	17.6	10
13	Type I Interferon Response in Radiation-Induced Anti-Tumor Immunity. <i>Seminars in Radiation Oncology</i> , <b>2020</b> , 30, 129-138	5.5	7

12	BHLHE40, a third transcription factor required for insulin induction of SREBP-1c mRNA in rodent liver. <i>ELife</i> , <b>2018</b> , 7,	8.9	7
11	Getting to grips with hepatitis. <i>ELife</i> , <b>2012</b> , 1, e00301	8.9	7
10	Role of the Ubiquitin-Proteasome Pathway in NF- $\kappa$ B Activation <b>1998</b> , 303-322		6
9	cGAS restricts colon cancer development by protecting intestinal barrier integrity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5
8	Cooperative DNA binding mediated by KicGAS/ORF52 oligomerization allows inhibition of DNA-induced phase separation and activation of cGAS. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 9389-9403	20.1	3
7	Vaccinia E5 is a major inhibitor of the DNA sensor cGAS		1
6	TBK1 recruitment to STING mediates autoinflammatory arthritis caused by defective DNA clearance.. <i>Journal of Experimental Medicine</i> , <b>2022</b> , 219,	16.6	1
5	Ubiquitin-Mediated Regulation of Protein Kinases in NF $\kappa$ B Signaling <b>2010</b> , 633-644		
4	Cecile M. Pickart (1954-2006). <i>Molecular Cell</i> , <b>2006</b> , 22, 571-3		17.6
3	Activation of Nuclear Factor- $\kappa$ B <b>2001</b> , 203-227		
2	Mitochondrial Antiviral Signaling39-50		
1	P857 ONM-500 is a novel STING-activating therapeutic nanovaccine platform for cancer immunotherapy <b>2020</b> , 8, A7-A8		