Ken J Ishii

List of Publications by Year
in descending order

267 papers	27,840 citations	9234 74 h-index	5965 160 g-index
283 all docs	283 docs citations	283 times ranked	29553 citing authors

#	Article	IF	Citations
1	Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses. Nature, 2006, 441, 101-105.	13.7	3,292
2	IPS-1, an adaptor triggering RIG-I- and Mda5-mediated type I interferon induction. Nature Immunology, 2005, 6, 981-988.	7.0	2,254
3	Interferon-Î± induction through Toll-like receptors involves a direct interaction of IRF7 with MyD88 and TRAF6. Nature Immunology, 2004, 5, 1061-1068.	7.0	894
4	Conditional ablation of Stat3 or Socs3 discloses a dual role for reactive astrocytes after spinal cord injury. Nature Medicine, 2006, 12, 829-834.	15.2	828
5	Atg9a controls dsDNA-driven dynamic translocation of STING and the innate immune response. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20842-20846.	3.3	705
6	A Toll-like receptorâ€“independent antiviral response induced by double-stranded B-form DNA. Nature Immunology, 2006, 7, 40-48.	7.0	704
7	Regulation of humoral and cellular gut immunity by lamina propria dendritic cells expressing Toll-like receptor 5. Nature Immunology, 2008, 9, 769-776.	7.0	668
8	TANK-binding kinase-1 delineates innate and adaptive immune responses to DNA vaccines. Nature, 2008, 451, 725-729.	13.7	551
9	Toll-like receptor 9 mediates innate immune activation by the malaria pigment hemozoin. Journal of Experimental Medicine, 2005, 201, 19-25.	4.2	537
10	Cutting Edge: Role of Toll-Like Receptor 9 in CpG DNA-Induced Activation of Human Cells. Journal of Immunology, 2001, 167, 3555-3558.	0.4	529
11	The Atg5â€“Atg12 conjugate associates with innate antiviral immune responses. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14050-14055.	3.3	517
12	Human Peripheral Blood Cells Differentially Recognize and Respond to Two Distinct CpG Motifs. Journal of Immunology, 2001, 166, 2372-2377.	0.4	493
13	DNA released from dying host cells mediates aluminum adjuvant activity. Nature Medicine, 2011, 17, 996-1002.	15.2	482
14	Interleukin-1 receptor-associated kinase-1 plays an essential role for Toll-like receptor (TLR)7- and TLR9-mediated interferon-Î± induction. Journal of Experimental Medicine, 2005, 201, 915-923.	4.2	446
15	Host Innate Immune Receptors and Beyond: Making Sense of Microbial Infections. Cell Host and Microbe, 2008, 3, 352-363.	5.1	439
16	Essential role of IPS-1 in innate immune responses against RNA viruses. Journal of Experimental Medicine, 2006, 203, 1795-1803.	4.2	438
17	Detection of pathogenic intestinal bacteria by Toll-like receptor 5 on intestinal CD11c+ lamina propria cells. Nature Immunology, 2006, 7, 868-874.	7.0	399
18	Nucleic acid sensing at the interface between innate and adaptive immunity in vaccination. Nature Reviews Immunology, 2012, 12, 479-491.	10.6	353

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19	Innate immune response to viral infection. Cytokine, 2008, 43, 336-341.	1.4	337
20	Contribution of IL-33â€“activated type II innate lymphoid cells to pulmonary eosinophilia in intestinal nematode-infected mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3451-3456.	3.3	301
21	DNA damage sensor MRE11 recognizes cytosolic double-stranded DNA and induces type I interferon by regulating STING trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2969-2974.	3.3	298
22	Virological characteristics of the SARS-CoV-2 Omicron BA.2 spike. Cell, 2022, 185, 2103-2115.e19.	13.5	273
23	Differential Role of TLR- and RLR-Signaling in the Immune Responses to Influenza A Virus Infection and Vaccination. Journal of Immunology, 2007, 179, 4711-4720.	0.4	271
24	A host type I interferon response is induced by cytosolic sensing of the bacterial second messenger cyclic-di-GMP. Journal of Experimental Medicine, 2009, 206, 1899-1911.	4.2	267
25	Key function for the Ubc13 E2 ubiquitin-conjugating enzyme in immune receptor signaling. Nature Immunology, 2006, 7, 962-970.	7.0	249
26	Genomic DNA Released by Dying Cells Induces the Maturation of APCs. Journal of Immunology, 2001, 167, 2602-2607.	0.4	223
27	DNA-Containing Exosomes Derived from Cancer Cells Treated with Topotecan Activate a STING-Dependent Pathway and Reinforce Antitumor Immunity. Journal of Immunology, 2017, 198, 1649-1659.	0.4	219
28	Repetitive Elements in Mammalian Telomeres Suppress Bacterial DNA-Induced Immune Activation. Journal of Immunology, 2003, 171, 1393-1400.	0.4	211
29	Perivascular leukocyte clusters are essential for efficient activation of effector T cells in the skin. Nature Immunology, 2014, 15, 1064-1069.	7.0	211
30	Innate immune recognition of, and regulation by, DNA. Trends in Immunology, 2006, 27, 525-532.	2.9	200
31	Silica Crystals and Aluminum Salts Regulate the Production of Prostaglandin in Macrophages via NALP3 Inflammasome-Independent Mechanisms. Immunity, 2011, 34, 514-526.	6.6	199
32	A critical role of IL-33 in experimental allergic rhinitis. Journal of Allergy and Clinical Immunology, 2012, 130, 184-194.e11.	1.5	193
33	Vaccine adjuvants as potential cancer immunotherapeutics. International Immunology, 2016, 28, 329-338.	1.8	187
34	Sterically Stabilized Cationic Liposomes Improve the Uptake and Immunostimulatory Activity of CpG Oligonucleotides. Journal of Immunology, 2001, 167, 3324-3328.	0.4	180
35	Activation of target-tissue immune-recognition molecules by double-stranded polynucleotides. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 2285-2290.	3.3	178
36	Signal transduction pathways mediated by the interaction of CpG DNA with Toll-like receptor 9. Seminars in Immunology, 2004, 16, 17-22.	2.7	165

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37	NLRP4 Negatively Regulates Autophagic Processes through an Association with Beclin1. Journal of Immunology, 2011, 186, 1646-1655.	0.4	153
38	Genome-Derived Cytosolic DNA Mediates Type I Interferon-Dependent Rejection of B Cell Lymphoma Cells. Cell Reports, 2015, 11, 460-473.	2.9	149
39	Toll or Toll-Free Adjuvant Path Toward the Optimal Vaccine Development. Journal of Clinical Immunology, 2007, 27, 363-371.	2.0	146
40	Pathological role of Toll-like receptor signaling in cerebral malaria. International Immunology, 2006, 19, 67-79.	1.8	144
41	Toll-Like Receptor 9 Signaling Activates NF-ÎºB through IFN Regulatory Factor-8/IFN Consensus Sequence Binding Protein in Dendritic Cells. Journal of Immunology, 2004, 172, 6820-6827.	0.4	143
42	Innate and adaptive immune responses to viral infection and vaccination. Current Opinion in Virology, 2011, 1, 226-232.	2.6	143
43	Cutting Edge: Cooperation of IPS-1- and TRIF-Dependent Pathways in Poly IC-Enhanced Antibody Production and Cytotoxic T Cell Responses. Journal of Immunology, 2008, 180, 683-687.	0.4	139
44	Recognition of damage-associated molecular patterns related to nucleic acids during inflammation and vaccination. Frontiers in Cellular and Infection Microbiology, 2012, 2, 168.	1.8	136
45	Immunogenicity of Whole-Parasite Vaccines against Plasmodium falciparum Involves Malarial Hemozoin and Host TLR9. Cell Host and Microbe, 2010, 7, 50-61.	5.1	135
46	Potential Role of Phosphatidylinositol 3 Kinase, rather than DNA-dependent Protein Kinase, in CpG DNAâ€“induced Immune Activation. Journal of Experimental Medicine, 2002, 196, 269-274.	4.2	129
47	A New Subset of CD103+CD8Îł++ Dendritic Cells in the Small Intestine Expresses TLR3, TLR7, and TLR9 and Induces Th1 Response and CTL Activity. Journal of Immunology, 2011, 186, 6287-6295.	0.4	129
48	RAE1 Ligands for the NKG2D Receptor Are Regulated by STING-Dependent DNA Sensor Pathways in Lymphoma. Cancer Research, 2014, 74, 2193-2203.	0.4	127
49	Differential and competitive activation of human immune cells by distinct classes of CpG oligodeoxynucleotide. Journal of Leukocyte Biology, 2002, 71, 813-20.	1.5	127
50	Plasmacytoid Dendritic Cells Delineate Immunogenicity of Influenza Vaccine Subtypes. Science Translational Medicine, 2010, 2, 25ra24.	5.8	124
51	Suppressive oligodeoxynucleotides delay the onset of glomerulonephritis and prolong survival in lupus-prone NZB Ã— NZW mice. Arthritis and Rheumatism, 2005, 52, 651-658.	6.7	123
52	Immune Recognition of Foreign DNA. Immunity, 1999, 11, 123-129.	6.6	122
53	In Vitro Keratinocyte Dissociation Assay for Evaluation of the Pathogenicity of Anti-Desmoglein 3 IgG Autoantibodies in Pemphigus Vulgaris. Journal of Investigative Dermatology, 2005, 124, 939-946.	0.3	121
54	Blockade of TLR3 protects mice from lethal radiation-induced gastrointestinal syndrome. Nature Communications, 2014, 5, 3492.	5.8	119

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55	Nonagonistic Dectin-1 ligand transforms CpG into a multitask nanoparticulate TLR9 agonist. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3086-3091.	3.3	116
56	Hydrophobic blocks of PEG-conjugates play a significant role in the accelerated blood clearance (ABC) phenomenon. Journal of Controlled Release, 2013, 165, 183-190.	4.8	114
57	Distinct behavior of human Langerhans cells and inflammatory dendritic epidermal cells at tight junctions in patients with atopic dermatitis. Journal of Allergy and Clinical Immunology, 2014, 134, 856-864.	1.5	114
58	Crucial roles of XCR1-expressing dendritic cells and the XCR1-XCL1 chemokine axis in intestinal immune homeostasis. Scientific Reports, 2016, 6, 23505.	1.6	113
59	TLR9 and STING agonists synergistically induce innate and adaptive typeâ€II IFN. European Journal of Immunology, 2015, 45, 1159-1169.	1.6	111
60	Inhaled Fine Particles Induce Alveolar Macrophage Death and Interleukin-1Î± Release to Promote Inducible Bronchus-Associated Lymphoid Tissue Formation. Immunity, 2016, 45, 1299-1310.	6.6	110
61	Effect of Suppressive DNA on CpG-Induced Immune Activation. Journal of Immunology, 2002, 169, 5590-5594.	0.4	101
62	Manifold Mechanisms of Toll-Like Receptor-Ligand Recognition. Journal of Clinical Immunology, 2005, 25, 511-521.	2.0	100
63	Novel Strategies to Improve DNA Vaccine Immunogenicity. Current Gene Therapy, 2011, 11, 479-484.	0.9	99
64	Particulate Adjuvant and Innate Immunity: Past Achievements, Present Findings, and Future Prospects. International Reviews of Immunology, 2013, 32, 209-220.	1.5	97
65	TRAF4 acts as a silencer in TLR-mediated signaling through the association with TRAF6 and TRIF. European Journal of Immunology, 2005, 35, 2477-2485.	1.6	91
66	Malaria Parasites Require TLR9 Signaling for Immune Evasion by Activating Regulatory T Cells. Journal of Immunology, 2008, 180, 2496-2503.	0.4	87
67	Transcriptional Regulation of the Human TLR9 Gene. Journal of Immunology, 2004, 173, 2552-2561.	0.4	85
68	Reduction of CpG-induced arthritis by suppressive oligodeoxynucleotides. Arthritis and Rheumatism, 2002, 46, 2219-2224.	6.7	81
69	Th1-Like Cytokine Induction by Heat-Killed Brucella abortus Is Dependent on Triggering of TLR9. Journal of Immunology, 2005, 175, 3964-3970.	0.4	80
70	CpG RNA: Identification of Novel Single-Stranded RNA That Stimulates Human CD14+CD11c+ Monocytes. Journal of Immunology, 2005, 174, 2273-2279.	0.4	80
71	Baculovirus Induces Type I Interferon Production through Toll-Like Receptor-Dependent and -Independent Pathways in a Cell-Type-Specific Manner. Journal of Virology, 2009, 83, 7629-7640.	1.5	79
72	Toll-Like Receptor Adaptor Molecules Enhance DNA-Raised Adaptive Immune Responses against Influenza and Tumors through Activation of Innate Immunity. Journal of Virology, 2006, 80, 6218-6224.	1.5	77

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73	Cutting Edge: Pivotal Function of Ubc13 in Thymocyte TCR Signaling. Journal of Immunology, 2006, 177, 7520-7524.	0.4	76
74	Molecular and cellular mechanisms of DNA vaccines. Hum Vaccin, 2008, 4, 453-457.	2.4	76
75	Enhanced TLR-mediated NF-IL6â€“dependent gene expression by Trib1 deficiency. Journal of Experimental Medicine, 2007, 204, 2233-2239.	4.2	73
76	Phase 1b Randomized Trial and Follow-Up Study in Uganda of the Blood-Stage Malaria Vaccine Candidate BK-SE36. PLoS ONE, 2013, 8, e64073.	1.1	73
77	Manipulation of host innate immune responses by the malaria parasite. Trends in Microbiology, 2007, 15, 271-278.	3.5	71
78	CpG Oligodeoxynucleotides Induce Murine Macrophages to Up-Regulate Chemokine mRNA Expression. Cellular Immunology, 2000, 206, 101-106.	1.4	70
79	Suppressive oligonucleotides protect against collagen-induced arthritis in mice. Arthritis and Rheumatism, 2004, 50, 1686-1689.	6.7	69
80	Experimental cerebral malaria progresses independently of the Nlrp3 inflammasome. European Journal of Immunology, 2010, 40, 764-769.	1.6	66
81	Lymphoid tissue-resident Alcaligenes LPS induces IgA production without excessive inflammatory responses via weak TLR4 agonist activity. Mucosal Immunology, 2018, 11, 693-702.	2.7	65
82	Purified Malaria Pigment (Hemozoin) Enhances Dendritic Cell Maturation and Modulates the Isotype of Antibodies Induced by a DNA Vaccine. Infection and Immunity, 2002, 70, 3939-3943.	1.0	64
83	CpG DNA: recognition by and activation of monocytes. Microbes and Infection, 2002, 4, 897-901.	1.0	64
84	Hydroxypropyl-Î²-Cyclodextrin Spikes Local Inflammation That Induces Th2 Cell and T Follicular Helper Cell Responses to the Coadministered Antigen. Journal of Immunology, 2015, 194, 2673-2682.	0.4	64
85	‘Toll’ Gates for Future Immunotherapy. Current Pharmaceutical Design, 2006, 12, 4135-4142.	0.9	63
86	Tissue-specific immunopathology during malaria infection. Nature Reviews Immunology, 2018, 18, 266-278.	10.6	62
87	Evidences of protection against blood-stage infection of Plasmodium falciparum by the novel protein vaccine SE36. Parasitology International, 2010, 59, 380-386.	0.6	61
88	Innate immune recognition of nucleic acids: Beyond toll-like receptors. International Journal of Cancer, 2005, 117, 517-523.	2.3	59
89	Exploring the relationship between anti-PEG IgM behaviors and PEGylated nanoparticles and its significance for accelerated blood clearance. Journal of Controlled Release, 2016, 234, 59-67.	4.8	59
90	Influence of stimulatory and suppressive DNA motifs on host susceptibility to inflammatory arthritis. Arthritis and Rheumatism, 2003, 48, 1701-1707.	6.7	58

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91	Induction of type I interferon by adenovirus-encoded small RNAs. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17286-17291.	3.3	58
92	Eosinophil depletion suppresses radiation-induced small intestinal fibrosis. Science Translational Medicine, 2018, 10, .	5.8	58
93	Effect of plasmid backbone modification by different human CpG motifs on the immunogenicity of DNA vaccine vectors. Journal of Leukocyte Biology, 2005, 78, 647-655.	1.5	57
94	Adjuvants in influenza vaccines. Vaccine, 2012, 30, 7658-7661.	1.7	57
95	CpG Oligodeoxynucleotides Enhance Neonatal Resistance toListeriaInfection. Journal of Immunology, 2005, 174, 777-782.	0.4	56
96	Fragments of Genomic DNA Released by Injured Cells Activate Innate Immunity and Suppress Endocrine Function in the Thyroid. Endocrinology, 2011, 152, 1702-1712.	1.4	55
97	Metal nanoparticles in the presence of lipopolysaccharides trigger the onset of metal allergy in mice. Nature Nanotechnology, 2016, 11, 808-816.	15.6	55
98	Extrachromosomal Histone H2B Mediates Innate Antiviral Immune Responses Induced by Intracellular Double-Stranded DNA. Journal of Virology, 2010, 84, 822-832.	1.5	54
99	Olfactory Plays a Key Role in Spatiotemporal Pathogenesis of Cerebral Malaria. Cell Host and Microbe, 2014, 15, 551-563.	5.1	51
100	Lipocalin 2 Bolsters Innate and Adaptive Immune Responses to Blood-Stage Malaria Infection by Reinforcing Host Iron Metabolism. Cell Host and Microbe, 2012, 12, 705-716.	5.1	50
101	DNA vaccines. Human Vaccines and Immunotherapeutics, 2013, 9, 2216-2221.	1.4	49
102	Allergic Responses Induced by the Immunomodulatory Effects of Nanomaterials upon Skin Exposure. Frontiers in Immunology, 2017, 8, 169.	2.2	48
103	Making innate sense of mRNA vaccine adjuvanticity. Nature Immunology, 2022, 23, 474-476.	7.0	48
104	The Malarial Metabolite Hemozoin and Its Potential Use as a Vaccine Adjuvant. Allergology International, 2010, 59, 115-124.	1.4	47
105	Ligand-induced Ordering of the C-terminal Tail Primes STING for Phosphorylation by TBK1. EBioMedicine, 2016, 9, 87-96.	2.7	47
106	Intracellular DNA sensors in immunity. Current Opinion in Immunology, 2008, 20, 383-388.	2.4	46
107	Profiles of microRNA networks in intestinal epithelial cells in a mouse model of colitis. Scientific Reports, 2016, 5, 18174.	1.6	46
108	CD63-Mediated Antigen Delivery into Extracellular Vesicles via DNA Vaccination Results in Robust CD8+ T Cell Responses. Journal of Immunology, 2017, 198, 4707-4715.	0.4	45

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109	Blocking of the TLR5 Activation Domain Hampers Protective Potential of Flagellin DNA Vaccine. Journal of Immunology, 2007, 179, 1147-1154.	0.4	44
110	Retinal cell typeâ€specific prevention of ischemiaâ€induced damages by <scp>LPS</scp>â€<scp>TLR</scp>4 signaling through microglia. Journal of Neurochemistry, 2013, 126, 243-260.	2.1	44
111	TLR9 adjuvants enhance immunogenicity and protective efficacy of the SE36/AHG malaria vaccine in nonhuman primate models. Human Vaccines and Immunotherapeutics, 2013, 9, 283-290.	1.4	44
112	Innate Immune Signaling by, and Genetic Adjuvants for DNA Vaccination. Vaccines, 2013, 1, 278-292.	2.1	43
113	DAMP-Inducing Adjuvant and PAMP Adjuvants Parallelly Enhance Protective Type-2 and Type-1 Immune Responses to Influenza Split Vaccination. Frontiers in Immunology, 2018, 9, 2619.	2.2	41
114	Protective properties of a fusion pneumococcal surface protein A (PspA) vaccine against pneumococcal challenge by five different PspA clades in mice. Vaccine, 2014, 32, 5607-5613.	1.7	40
115	Reciprocal regulation of STING and TCR signaling by mTORC1 for T-cell activation and function. Life Science Alliance, 2019, 2, e201800282.	1.3	40
116	CpG Oligodeoxynucleotides Improve the Survival of Pregnant and Fetal Mice following Listeria monocytogenes Infection. Infection and Immunity, 2004, 72, 3543-3548.	1.0	39
117	Advax, a Delta Inulin Microparticle, Potentiates In-built Adjuvant Property of Co-administered Vaccines. EBioMedicine, 2017, 15, 127-136.	2.7	39
118	Plasmodium falciparum serine repeat antigen 5 (SE36) as a malaria vaccine candidate. Vaccine, 2011, 29, 5837-5845.	1.7	38
119	RNA Polymerase III Regulates Cytosolic RNA:DNA Hybrids and Intracellular MicroRNA Expression. Journal of Biological Chemistry, 2015, 290, 7463-7473.	1.6	38
120	Inflammasome and Fas-Mediated IL-1Î² Contributes to Th17/Th1 Cell Induction in Pathogenic Bacterial Infection In Vivo. Journal of Immunology, 2017, 199, 1122-1130.	0.4	38
121	Human Scavenger Receptor A1-Mediated Inflammatory Response to Silica Particle Exposure Is Size Specific. Frontiers in Immunology, 2017, 8, 379.	2.2	38
122	Protective Epitopes of the Plasmodium falciparum SERA5 Malaria Vaccine Reside in Intrinsically Unstructured N-Terminal Repetitive Sequences. PLoS ONE, 2014, 9, e98460.	1.1	38
123	IL-18 gene therapy develops Th1-type immune responses in Leishmania major-infected BALB/c mice: is the effect mediated by the CpG signaling TLR9?. Gene Therapy, 2004, 11, 941-948.	2.3	37
124	Prothymosinâ€alpha preconditioning activates <scp>TLR</scp>4â€“<scp>TRIF</scp> signaling to induce protection of ischemic retina. Journal of Neurochemistry, 2015, 135, 1161-1177.	2.1	37
125	TLR Ignores Methylated RNA?. Immunity, 2005, 23, 111-113.	6.6	36
126	Nucleic acid sensing by T cells initiates Th2 cell differentiation. Nature Communications, 2014, 5, 3566.	5.8	36

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127	Combination and inducible adjuvants targeting nucleic acid sensors. Current Opinion in Pharmacology, 2018, 41, 104-113.	1.7	36
128	Epithelial TRAF6 drives IL-17â€“mediated psoriatic inflammation. JCI Insight, 2018, 3, .	2.3	36
129	Effect of CpG Oligodeoxynucleotides on the Immunogenicity of Pfs25, a Plasmodium falciparum Transmission-Blocking Vaccine Antigen. Infection and Immunity, 2004, 72, 584-588.	1.0	34
130	Intranasal hydroxypropyl-Î²-cyclodextrin-adjuvanted influenza vaccine protects against sub-heterologous virus infection. Vaccine, 2016, 34, 3191-3198.	1.7	34
131	Oncolytic Reovirus Inhibits Immunosuppressive Activity of Myeloid-Derived Suppressor Cells in a TLR3-Dependent Manner. Journal of Immunology, 2018, 200, 2987-2999.	0.4	34
132	Induction of humoural and cellular immunity by immunisation with HCV particle vaccine in a non-human primate model. Gut, 2018, 67, 372-379.	6.1	34
133	Innate immune control of nucleic acid-based vaccine immunogenicity. Expert Review of Vaccines, 2009, 8, 1099-1107.	2.0	32
134	Plasmodium products persist in the bone marrow and promote chronic bone loss. Science Immunology, 2017, 2, .	5.6	32
135	Interleukin-1/-33 Signaling Pathways as Therapeutic Targets for Endometriosis. Frontiers in Immunology, 2019, 10, 2021.	2.2	32
136	Activity and safety of DNA plasmids encoding IL-4 and IFN gamma. Gene Therapy, 1999, 6, 237-244.	2.3	31
137	Positive and negative regulatory elements contribute to CpG oligonucleotide-mediated regulation of human IL-6 gene expression. European Journal of Immunology, 2000, 30, 108-116.	1.6	31
138	Contribution of interferon-beta to the immune activation induced by double-stranded DNA. Immunology, 2006, 118, 302-310.	2.0	31
139	Immunization with antigenic peptides complexed with Î²-glucan induces potent cytotoxic T-lymphocyte activity in combination with CpG-ODNs. Journal of Controlled Release, 2015, 220, 495-502.	4.8	31
140	Essential Role of CARD14 in Murine Experimental Psoriasis. Journal of Immunology, 2018, 200, 71-81.	0.4	31
141	Gene gun-mediated delivery of an interleukin-12 expression plasmid protects against infections with the intracellular protozoan parasites Leishmania major and Trypanosoma cruzi in mice. Immunology, 2000, 99, 615-624.	2.0	30
142	Requirement for memory B-cell activation in protection from heterologous influenza virus reinfection. International Immunology, 2019, 31, 771-779.	1.8	30
143	STING agonists activate latently infected cells and enhance SIV-specific responses ex vivo in naturally SIV controlled cynomolgus macaques. Scientific Reports, 2019, 9, 5917.	1.6	30
144	Immunotherapeutic utility of stimulatory and suppressive oligodeoxynucleotides. Current Opinion in Molecular Therapeutics, 2004, 6, 166-74.	2.8	30

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145	Cyclic GMP-AMP Triggers Asthma in an IL-33-Dependent Manner That Is Blocked by Amlexanox, a TBK1 Inhibitor. Frontiers in Immunology, 2019, 10, 2212.	2.2	29
146	BLT1 mediates commensal bacteria-dependent innate immune signals to enhance antigen-specific intestinal IgA responses. Mucosal Immunology, 2019, 12, 1082-1091.	2.7	29
147	Toll-like receptors and sepsis. Current Infectious Disease Reports, 2004, 6, 361-366.	1.3	28
148	Potential link between the immune system and metabolism of nucleic acids. Current Opinion in Immunology, 2008, 20, 524-529.	2.4	28
149	Efficient antigen delivery to the draining lymph nodes is a key component in the immunogenic pathway of the intradermal vaccine. Journal of Dermatological Science, 2016, 82, 38-45.	1.0	28
150	Exposure of an occluded hemagglutinin epitope drives selection of a class of cross-protective influenza antibodies. Nature Communications, 2019, 10, 3883.	5.8	28
151	Age-Specific Profiles of Antibody Responses against Respiratory Syncytial Virus Infection. EBioMedicine, 2017, 16, 124-135.	2.7	27
152	Heparin induces neutrophil elastase-dependent vital and lytic NET formation. International Immunology, 2020, 32, 359-368.	1.8	27
153	Antitumor therapy with bacterial DNA and toxin: complete regression of established tumor induced by liposomal CpG oligodeoxynucleotides plus interleukin-13 cytotoxin. Clinical Cancer Research, 2003, 9, 6516-22.	3.2	27
154	Innate Immune Response Induced by Baculovirus Attenuates Transgene Expression in Mammalian Cells. Journal of Virology, 2014, 88, 2157-2167.	1.5	26
155	Optimization of physiological properties of hydroxyapatite as a vaccine adjuvant. Vaccine, 2016, 34, 306-312.	1.7	26
156	Efficacy comparison of adjuvants in PcrV vaccine against Pseudomonas aeruginosa pneumonia. Microbiology and Immunology, 2017, 61, 64-74.	0.7	26
157	Serologic Markers in Relation to Parasite Exposure History Help to Estimate Transmission Dynamics of Plasmodium vivax. PLoS ONE, 2011, 6, e28126.	1.1	26
158	Prevention of neonatal tolerance by a plasmid encoding granulocyte-macrophage colony stimulating factor. Vaccine, 1999, 18, 703-710.	1.7	25
159	A Polysaccharide Carrier to Effectively Deliver Native Phosphodiester CpG DNA to Antigen-Presenting Cells. Bioconjugate Chemistry, 2007, 18, 1280-1286.	1.8	25
160	Response of peripheral blood mononuclear cells from lupus patients to stimulation by CpG oligodeoxynucleotides. British Journal of Rheumatology, 2003, 42, 563-569.	2.5	24
161	The Chemotherapeutic Agent DMXAA as a Unique IRF3-Dependent Type-2 Vaccine Adjuvant. PLoS ONE, 2013, 8, e60038.	1.1	24
162	The protective effects of nasal PcrVâ€CpG oligonucleotide vaccination against Pseudomonas aeruginosa pneumonia. Microbiology and Immunology, 2018, 62, 774-785.	0.7	24

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163	Antigen-Specific Mucosal Immunity Regulates Development of Intestinal Bacteria-Mediated Diseases. Gastroenterology, 2019, 157, 1530-1543.e4.	0.6	24
164	System Vaccinology for the Evaluation of Influenza Vaccine Safety by Multiplex Gene Detection of Novel Biomarkers in a Preclinical Study and Batch Release Test. PLoS ONE, 2014, 9, e101835.	1.1	24
165	Suppressive oligodeoxynucleotides inhibit CpG-induced inflammation of the mouse lung. Critical Care Medicine, 2004, 32, 2045-2049.	0.4	23
166	Intranasal immunization with a mixture of PspA and a Toll-like receptor agonist induces specific antibodies and enhances bacterial clearance in the airways of mice. Vaccine, 2009, 27, 3181-3188.	1.7	23
167	Activation of the innate immune system by CpG oligodeoxynucleotides: immunoprotective activity and safety. Seminars in Immunopathology, 2000, 22, 173-83.	4.0	23
168	CpG-activated Thy1.2+ dendritic cells protect against lethalListeria monocytogenes infection. European Journal of Immunology, 2005, 35, 2397-2405.	1.6	22
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