

CITATION REPORT

List of articles citing

Bacterial DNA and immunostimulatory CpG oligonucleotides trigger maturation and activation of murine dendritic cells

DOI: 10.1002/(sici)1521-4141(199806)28:063.0.co;2-8
European Journal of Immunology, 1998, 28, 2045-54.

Source: <https://exaly.com/paper-pdf/29014422/citation-report.pdf>

Version: 2024-04-20

This report has been generated based on the citations recorded by exaly.com for the above article. 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.

#	Paper	IF	Citations
717	CpG-DNA-specific activation of antigen-presenting cells requires stress kinase activity and is preceded by non-specific endocytosis and endosomal maturation. 1998 , 17, 6230-40		509
716	Bacterial DNA and immunostimulatory CpG oligonucleotides trigger maturation and activation of murine dendritic cells. <i>European Journal of Immunology</i> , 1998 , 28, 2045-54	6.1	698
715	Bacterial DNA as immune cell activator. 1998 , 6, 496-500		108
714	Type I interferon-mediated stimulation of T cells by CpG DNA. 1998 , 188, 2335-42		322
713	Enhancement of antigen-presenting cell surface molecules involved in cognate interactions by immunostimulatory DNA sequences. 1999 , 11, 1111-8		94
712	CpG DNA: a potent signal for growth, activation, and maturation of human dendritic cells. 1999 , 96, 9305-10		525
711	DNA vaccination: transfection and activation of dendritic cells as key events for immunity. 1999 , 189, 169-78		323
710	Contribution of plasmid DNA to inflammation in the lung after administration of cationic lipid:pDNA complexes. 1999 , 10, 223-34		180
709	Bacterial CpG DNA activates immune cells to signal infectious danger. 1999 , 73, 329-68		241
708	The role of dendritic cells in the induction and regulation of immunity to microbial infection. 1999 , 11, 392-9		243
707	CpG-DNA upregulates the major acute-phase proteins SAA and SAP. 1999 , 1, 61-7		13
706	DNA activates human immune cells through a CpG sequence-dependent manner. 1999 , 97, 699-705		118
705	Simple chemicals can induce maturation and apoptosis of dendritic cells. 1999 , 98, 481-90		66
704	Gene therapy of viral hepatitis and hepatocellular carcinoma. 1999 , 6, 17-34		23
703	Advances in vaccine adjuvants. 1999 , 17, 1075-81		418
702	Phagocytic antigen processing and effects of microbial products on antigen processing and T-cell responses. 1999 , 168, 217-39		46
701	Stimulation of naïve and memory T cells by cytokines. 1999 , 170, 39-47		94

700	Intratumoral injection of bone-marrow derived dendritic cells engineered to produce interleukin-12 induces complete regression of established murine transplantable colon adenocarcinomas. 1999 , 6, 1779-84		108
699	LPD lipopolyplex initiates a potent cytokine response and inhibits tumor growth. 1999 , 6, 1867-75		189
698	Gene gun-mediated DNA vaccination induces antitumor immunity against human papillomavirus type 16 E7-expressing murine tumor metastases in the liver and lungs. 1999 , 6, 1972-81		70
697	Dendritic cell maturation and subsequent enhanced T-cell stimulation induced with the novel synthetic immune response modifier R-848. 1999 , 197, 62-72		96
696	Adjuvant effect of a 14-member macrolide antibiotic on DNA vaccine. 1999 , 197, 145-50		4
695	Immunostimulatory DNA pre-priming: a novel approach for prolonged Th1-biased immunity. 1999 , 198, 69-75		75
694	Cell type-specific activation of mitogen-activated protein kinases by CpG-DNA controls interleukin-12 release from antigen-presenting cells. 1999 , 18, 6973-82		93
693	Cytokine regulation of CD40 expression in fetal human astrocyte cultures. 1999 , 101, 7-14		32
692	Mechanisms and applications of immune stimulatory CpG oligodeoxynucleotides. 1999 , 1489, 107-16		113
691	Nucleic acid immunization: concepts and techniques associated with third generation vaccines. 1999 , 229, 1-22		76
690	CpG-oligodeoxynucleotides co-stimulate primary T cells in the absence of antigen-presenting cells. <i>European Journal of Immunology</i> , 1999 , 29, 1209-18	6.1	138
689	Oligodeoxynucleotides containing CpG motifs induce IL-12, IL-18 and IFN-gamma production in cells from allergic individuals and inhibit IgE synthesis in vitro. <i>European Journal of Immunology</i> , 1999 , 29, 2344-53	6.1	157
688	Guanosine-rich oligodeoxynucleotides induce proliferation of macrophage progenitors in cultures of murine bone marrow cells. <i>European Journal of Immunology</i> , 1999 , 29, 3496-506	6.1	30
687	Direct Immunologic activities of CpG DNA and implications for gene therapy. 1999 , 1, 56-63		9
686	The host response to Leishmania infection. 2000 , 74, 275-317		128
685	In vivo transfer of bacterial marker genes results in differing levels of gene expression and tumor progression in immunocompetent and immunodeficient mice. 1999 , 10, 2373-9		9
684	Immune recognition of foreign DNA: a cure for bioterrorism?. 1999 , 11, 123-9		107
683	Modulation of host immune responses by protozoal DNA. 1999 , 72, 87-94		13

682	Synthetic oligodeoxynucleotides containing CpG motifs enhance immunogenicity of a peptide malaria vaccine in Aotus monkeys. 1999 , 17, 3065-71		124
681	Immunostimulatory DNA and applications to allergic disease. 1999 , 104, 902-10		55
680	Dendritic cell activation induced by various stimuli, e.g. exposure to microorganisms, their products, cytokines, and simple chemicals as well as adhesion to extracellular matrix. 1998 , 20, 1-13		34
679	Requirement of mature dendritic cells for efficient activation of influenza A-specific memory CD8+ T cells. 2000 , 165, 1182-90		112
678	Effects of a hexameric deoxyriboguanosine run conjugation into CpG oligodeoxynucleotides on their immunostimulatory potentials. 2000 , 165, 3631-9		60
677	Preferential stimulation of human lymphocytes by oligodeoxynucleotides that copy DNA CpG motifs present in virulent genes of group A streptococci. <i>European Journal of Immunology</i> , 2000 , 30, 993-1001	6.1	13
676	The major role of macrophages and their product tumor necrosis factor alpha in the induction of arthritis triggered by bacterial DNA containing CpG motifs. 2000 , 43, 2283-9		53
675	The heat shock protein gp96 induces maturation of dendritic cells and down-regulation of its receptor. <i>European Journal of Immunology</i> , 2000 , 30, 2211-5	6.1	249
674	Systemic or mucosal administration of immunostimulatory DNA inhibits early and late phases of murine allergic conjunctivitis. <i>European Journal of Immunology</i> , 2000 , 30, 1841-50	6.1	76
673	Conjugation of protein to immunostimulatory DNA results in a rapid, long-lasting and potent induction of cell-mediated and humoral immunity. <i>European Journal of Immunology</i> , 2000 , 30, 1939-47	6.1	142
672	Response of human monocyte-derived dendritic cells to immunostimulatory DNA. <i>European Journal of Immunology</i> , 2000 , 30, 2824-31	6.1	31
671	Human dendritic cells require multiple activation signals for the efficient generation of tumor antigen-specific T lymphocytes. <i>European Journal of Immunology</i> , 2000 , 30, 3291-8	6.1	76
670	Bacterial CpG-DNA activates dendritic cells in vivo: T helper cell-independent cytotoxic T cell responses to soluble proteins. <i>European Journal of Immunology</i> , 2000 , 30, 3591-7	6.1	154
669	Interleukin-10 does not affect phagocytosis of particulate antigen by bone marrow-derived dendritic cells but does impair antigen presentation. 2000 , 99, 523-31		52
668	Poly-guanosine motifs costimulate antigen-reactive CD8 T cells while bacterial CpG-DNA affect T-cell activation via antigen-presenting cell-derived cytokines. 2000 , 101, 46-52		40
667	Inhibition of immunoglobulin E response to Japanese cedar pollen allergen (Cry j 1) in mice by DNA immunization: different outcomes dependent on the plasmid DNA inoculation method. 2000 , 99, 179-86		35
666	Immunostimulatory bacterial DNA sequences activate dendritic cells and promote priming and differentiation of CD8+ T cells. 2000 , 99, 1-7		24
665	Mycobacterium tuberculosis-activated dendritic cells induce protective immunity in mice. 2000 , 99, 473-80		87

664	CpG-oligodeoxynucleotides enhance T-cell receptor-triggered interferon-gamma production and up-regulation of CD69 via induction of antigen-presenting cell-derived interferon type I and interleukin-12. 2000 , 99, 170-8	75
663	The effects of DNA containing CpG motif on dendritic cells. 2000 , 99, 361-6	53
662	Dendritic cells: immunological sentinels with a central role in health and disease. 2000 , 78, 91-102	100
661	B-cell activation by T-cell-independent type 2 antigens as an integral part of the humoral immune response to pathogenic microorganisms. 2000 , 176, 154-70	312
660	The role of dendritic cells in the innate immune system. 2000 , 2, 257-72	86
659	Accessible 5P end of CpG-containing phosphorothioate oligodeoxynucleotides is essential for immunostimulatory activity. 2000 , 10, 2585-8	70
658	Causing a commotion in the blood: immunotherapy progresses from bacteria to bacterial DNA. 2000 , 21, 521-6	110
657	Intra-pinna anti-tumor vaccination with self-replicating infectious RNA or with DNA encoding a model tumor antigen and a cytokine. 2000 , 7, 1137-47	32
656	A Toll-like receptor recognizes bacterial DNA. 2000 , 408, 740-5	5206
655	Recognition of CpG DNA is mediated by signaling pathways dependent on the adaptor protein MyD88. 2000 , 10, 1139-42	204
654	Molecular events of bacterial-induced maturation of dendritic cells. 2000 , 20, 161-6	55
653	T cell immunity in neonates. 2000 , 22, 177-90	127
652	Mucosal adjuvanticity of immunostimulatory DNA sequences. 2000 , 22, 133-46	7
651	The role of CpG in DNA vaccines. 2000 , 22, 125-32	34
650	Rescue of B cells from apoptosis by immune stimulatory CpG DNA. 2000 , 22, 55-61	13
649	The response of human B lymphocytes to oligodeoxynucleotides. 2000 , 22, 63-75	8
648	Mechanisms of immune stimulation by bacterial DNA. 2000 , 22, 21-33	25
647	Immunostimulatory DNA sequences and cancer therapy. 2000 , 22, 107-16	11

646	The role of immunostimulatory CpG-DNA in septic shock. 2000 , 22, 167-71	6
645	Immunostimulatory DNA sequences help to eradicate intracellular pathogens. 2000 , 22, 147-52	5
644	Pre-priming: a novel approach to DNA-based vaccination and immunomodulation. 2000 , 22, 85-96	7
643	Activation of skin dendritic cells by immunostimulatory DNA. 2000 , 22, 45-54	2
642	Multiple effects of immunostimulatory DNA on T cells and the role of type I interferons. 2000 , 22, 77-84	23
641	Introduction to immunostimulatory DNA sequences. 2000 , 22, 1-9	20
640	Immunology of DNA vaccines: CpG motifs and antigen presentation. 2000 , 49, 199-205	21
639	Immunostimulatory CpG-oligonucleotides cause proliferation, cytokine production, and an immunogenic phenotype in chronic lymphocytic leukemia B cells. 2000 , 95, 999-1006	183
638	Delineation of a CpG phosphorothioate oligodeoxynucleotide for activating primate immune responses in vitro and in vivo. 2000 , 164, 1617-24	512
637	CpG oligodeoxynucleotides act as adjuvants for pneumococcal polysaccharide-protein conjugate vaccines and enhance antipolysaccharide immunoglobulin G2a (IgG2a) and IgG3 antibodies. 2000 , 68, 1450-6	75
636	APC stimulated by CpG oligodeoxynucleotide enhance activation of MHC class I-restricted T cells. 2000 , 165, 6244-51	72
635	CpG DNA induces maturation of dendritic cells with distinct effects on nascent and recycling MHC-II antigen-processing mechanisms. 2000 , 165, 6889-95	110
634	Development of Th1-inducing capacity in myeloid dendritic cells requires environmental instruction. 2000 , 164, 4507-12	425
633	CpG oligodeoxynucleotides can reverse Th2-associated allergic airway responses and alter the B7.1/B7.2 expression in a murine model of asthma. 2000 , 165, 5906-12	108
632	CpG oligonucleotides are potent adjuvants for the activation of autoreactive encephalitogenic T cells in vivo. 2000 , 164, 5683-8	142
631	Repeated administration of cytosine-phosphorothiolated guanine-containing oligonucleotides together with peptide/protein immunization results in enhanced CTL responses with anti-tumor activity. 2000 , 165, 539-47	121
630	CpG oligonucleotides can prophylactically immunize against Th2-mediated schistosome egg-induced pathology by an IL-12-independent mechanism. 2000 , 164, 973-85	55
629	Transfer of interleukin-4 and interleukin-10 in patients with severe inflammatory bowel disease of the rectum. 2000 , 11, 1731-41	44

628	Enhanced dendritic cell maturation by TNF-alpha or cytidine-phosphate-guanosine DNA drives T cell activation in vitro and therapeutic anti-tumor immune responses in vivo. 2000 , 165, 6278-86	148
627	The role of bacterial DNA in septic arthritis. 2000 , 6, 29-33	7
626	Regulation of T-helper type 2 cell and airway eosinophilia by transmucosal coadministration of antigen and oligodeoxynucleotides containing CpG motifs. 2000 , 22, 176-82	59
625	Synthetic oligodeoxynucleotides inhibit IgE induction in human lymphocytes. 2000 , 162, 232-9	26
624	Reduced inflammatory response to plasmid DNA vectors by elimination and inhibition of immunostimulatory CpG motifs. 2000 , 1, 255-62	185
623	Basic mechanisms of DNA-raised antibody responses to intramuscular and gene gun immunizations. 2000 , 19, 157-65	42
622	CpG motifs induce Langerhans cell migration in vivo. 2000 , 12, 737-45	63
621	Increased resistance against acute polymicrobial sepsis in mice challenged with immunostimulatory CpG oligodeoxynucleotides is related to an enhanced innate effector cell response. 2000 , 165, 4537-43	113
620	Antipeptide antibody responses following intranasal immunization: effectiveness of mucosal adjuvants. 2000 , 68, 4923-9	33
619	CpG-DNA-mediated transient lymphadenopathy is associated with a state of Th1 predisposition to antigen-driven responses. 2000 , 165, 1228-35	118
618	Recombinant adenovirus induces maturation of dendritic cells via an NF-kappaB-dependent pathway. 2000 , 74, 9617-28	202
617	CpG-DNA activates in vivo T cell epitope presenting dendritic cells to trigger protective antiviral cytotoxic T cell responses. 2000 , 164, 2372-8	119
616	CpG DNA as a Th1 trigger. 2000 , 121, 87-97	90
615	Inhibition of murine macrophage IL-12 production by natural and synthetic DNA. 2000 , 96, 198-204	58
614	In vivo antigen loading and activation of dendritic cells via a liposomal peptide vaccine mediates protective antiviral and anti-tumour immunity. 2000 , 19, 23-32	75
613	CpG DNA as a Th1-promoting adjuvant in immunization against Trypanosoma cruzi. 2000 , 19, 234-42	38
612	Oral, intrarectal and intranasal immunizations using CpG and non-CpG oligodeoxynucleotides as adjuvants. 2000 , 19, 413-22	128
611	CpG DNA is an effective oral adjuvant to protein antigens in mice. 2000 , 19, 950-7	88

610	Immune effects and mechanisms of action of CpG motifs. 2000 , 19, 618-22	127
609	Immunostimulatory sequence oligodeoxynucleotide: A novel mucosal adjuvant. 2000 , 95, S19-29	18
608	Regulation of murine airway eosinophilia and Th2 cells by antigen-conjugated CpG oligodeoxynucleotides as a novel antigen-specific immunomodulator. 2000 , 164, 5575-82	148
607	Requirements for effective inhibition of immunostimulatory CpG motifs by neutralizing motifs. 2000 , 10, 381-9	17
606	Consequences of cell death: exposure to necrotic tumor cells, but not primary tissue cells or apoptotic cells, induces the maturation of immunostimulatory dendritic cells. 2000 , 191, 423-34	1209
605	Mechanism and function of a newly identified CpG DNA motif in human primary B cells. 2000 , 164, 944-53	530
604	[Antitumor immunology in the year 2000 and the new immunosuppressive therapy]. 2000 , 114, 579-83	0
603	Regulation of immunologic homeostasis in peripheral tissues by dendritic cells: the respiratory tract as a paradigm. 2000 , 105, 421-9	91
602	CpG oligodeoxynucleotides enhance monoclonal antibody therapy of a murine lymphoma. 2000 , 1, 57-61	36
601	T-cell activation and polarization by dendritic cells. 2001 , 21-cp1	
600	Toll-like receptors and innate immunity. 2001 , 78, 1-56	249
599	Regulation of interleukin-12 production in antigen-presenting cells. 2001 , 79, 55-92	153
598	Synovial cytokine mRNA expression during arthritis triggered by CpG motifs of bacterial DNA. 2001 , 3, 48-53	14
597	Immunostimulatory CpG oligodeoxynucleotides stimulate expression of IL-1beta and interferon-like cytokines in rainbow trout macrophages via a chloroquine-sensitive mechanism. 2001 , 11, 673-82	74
596	CpG-oligonucleotides in vaccination: signaling and mechanisms of action. 2001 , 204, 667-76	19
595	Dendritic cells as vectors for vaccination against infectious diseases. 2001 , 291, 323-9	19
594	The potential of oligodeoxynucleotides as mucosal and parenteral adjuvants. 2001 , 19, 2657-60	41
593	Adjuvantation of epidermal powder immunization. 2001 , 19, 2908-17	54

592	Protective CTL response is induced in the absence of CD4+ T cells and IFN-gamma by gene gun DNA vaccination with a minigene encoding a CTL epitope of <i>Listeria monocytogenes</i> . 2001 , 19, 4297-306	22
591	Features of the antibody response attributable to plasmid backbone adjuvanticity after DNA immunization. 2001 , 19, 4549-56	8
590	CpG oligodeoxynucleotides and plasmid DNA stimulate Atlantic salmon (<i>Salmo salar</i> L.) leucocytes to produce supernatants with antiviral activity. 2001 , 25, 313-21	101
589	Peptide vaccines against hepatitis B virus: from animal model to human studies. 2001 , 38, 457-65	39
588	Role of dendritic cell-derived cytokines in immune regulation. 2001 , 7, 977-92	26
587	CpG motif identification for veterinary and laboratory species demonstrates that sequence recognition is highly conserved. 2001 , 11, 333-40	180
586	Dendritic Cells in Cancer Immunotherapy. 2001 , 21, 13	25
585	The Potential of CpG Oligodeoxynucleotides as Mucosal Adjuvants. 2001 , 21, 18	1
584	Allergen uptake and presentation by dendritic cells. 2001 , 1, 51-59	52
583	Cytokine production by mouse myeloid dendritic cells in relation to differentiation and terminal maturation induced by lipopolysaccharide or CD40 ligation. 2001 , 98, 1512-23	188
582	The dendritic cell in allergic airway diseases: a new player to the game. 2001 , 31, 206-18	44
581	The role of surface Ig binding in the activation of human B cells by phosphorothioate oligodeoxynucleotides. 2001 , 54, 551-63	9
580	The role of the macrophage scavenger receptor in immune stimulation by bacterial DNA and synthetic oligonucleotides. 2001 , 103, 226-34	65
579	Effect of chemical modifications of cytosine and guanine in a CpG-motif of oligonucleotides: structure-immunostimulatory activity relationships. 2001 , 9, 807-13	64
578	Recent developments in adjuvants for vaccines against infectious diseases. 2001 , 18, 69-85	269
577	CpG oligonucleotide modulation of allergic inflammation. 2001 , 56, 365-76	37
576	DNA-based immunotherapeutics for the treatment of allergic disease. 2001 , 179, 102-18	86
575	Active immunization against cancer with dendritic cells: the near future. 2001 , 94, 459-73	269

574	CpG motifs of DNA vaccines induce the expression of chemokines and MHC class II molecules on myocytes. <i>European Journal of Immunology</i> , 2001 , 31, 301-10	6.1	44
573	Distinct CpG oligonucleotide sequences activate human gamma delta T cells via interferon-alpha/-beta. <i>European Journal of Immunology</i> , 2001 , 31, 3525-34	6.1	64
572	Annotated References by Year. 2001 , 651-770		
571	DNA array and biological characterization of the impact of the maturation status of mouse dendritic cells on their phenotype and antitumor vaccination efficacy. 2001 , 214, 60-71		36
570	Type I IFN modulates the immune response induced by DNA vaccination to pseudorabies virus glycoprotein C. 2001 , 286, 197-205		26
569	Dendritic cell lineage, plasticity and cross-regulation. 2001 , 2, 585-9		502
568	Recombinant DNA vaccines protect against tumors that are resistant to recombinant vaccinia vaccines containing the same gene. 2001 , 8, 128-38		23
567	Erratum A Toll-like receptor recognizes bacterial DNA. 2001 , 409, 646-646		9
566	Tailoring cancer vaccines to the elderly: the importance of suitable mouse models. 2001 , 122, 1087-105		14
565	Costimulation via lymphocyte function-associated antigen 1 in the absence of CD28 ligation promotes anergy of naive CD4+ T cells. 2001 , 98, 241-246		40
564	Bacterial CpG-DNA triggers activation and maturation of human CD11c-, CD123+ dendritic cells. 2001 , 166, 5000-7		263
563	Highly efficient transduction of human monocyte-derived dendritic cells with subgroup B fiber-modified adenovirus vectors enhances transgene-encoded antigen presentation to cytotoxic T cells. 2001 , 166, 5236-44		140
562	Novel roles of CpG oligodeoxynucleotides as a leader for the sampling and presentation of CpG-tagged antigen by dendritic cells. 2001 , 167, 66-74		110
561	Genomic DNA released by dying cells induces the maturation of APCs. 2001 , 167, 2602-7		206
560	A novel function of phosphorothioate oligodeoxynucleotides as chemoattractants for primary macrophages. 2001 , 167, 2847-54		39
559	Cytotoxic activity of human dendritic cells is differentially regulated by double-stranded RNA and CD40 ligand. 2001 , 167, 3765-72		54
558	Divergent therapeutic and immunologic effects of oligodeoxynucleotides with distinct CpG motifs. 2001 , 167, 4878-86		205
557	NK- and CD8(+) T cell-mediated eradication of established tumors by peritumoral injection of CpG-containing oligodeoxynucleotides. 2001 , 167, 5247-53		178

556	Sequential injection of cationic liposome and plasmid DNA effectively transfects the lung with minimal inflammatory toxicity. 2001 , 3, 673-82	86
555	Dendritic cells: immunological features and utilisation for tumour immunotherapy. 2001 , 5, 491-506	4
554	Novel activators of dendritic cells as fundamental tools in immunotherapy. 2001 , 11, 1411-1421	
553	Human peripheral blood cells differentially recognize and respond to two distinct CPG motifs. 2001 , 166, 2372-7	447
552	Immunostimulatory DNA-based vaccines elicit multifaceted immune responses against HIV at systemic and mucosal sites. 2001 , 167, 1584-91	97
551	Predominant role of toll-like receptor 2 versus 4 in Chlamydia pneumoniae-induced activation of dendritic cells. 2001 , 167, 3316-23	155
550	Distinct CpG DNA and polyinosinic-polycytidylic acid double-stranded RNA, respectively, stimulate CD11c- type 2 dendritic cell precursors and CD11c+ dendritic cells to produce type I IFN. 2001 , 166, 2291-5	239
549	IL-15 is expressed by dendritic cells in response to type I IFN, double-stranded RNA, or lipopolysaccharide and promotes dendritic cell activation. 2001 , 167, 1179-87	343
548	Dendritic cell activation and cytokine production induced by group B Neisseria meningitidis: interleukin-12 production depends on lipopolysaccharide expression in intact bacteria. 2001 , 69, 4351-7	62
547	Enhancement of innate immunity against Mycobacterium avium infection by immunostimulatory DNA is mediated by indoleamine 2,3-dioxygenase. 2001 , 69, 6156-64	67
546	Defined synthetic vaccines. 2001 , 382, 581-95	23
545	Intranasal immunization with CpG oligodeoxynucleotides as an adjuvant dramatically increases IgA and protection against herpes simplex virus-2 in the genital tract. 2001 , 166, 3451-7	200
544	Type 1/Type 2 immunity in infectious diseases. 2001 , 32, 76-102	771
543	Novel adjuvant systems. 2001 , 1, 263-71	46
542	From bugs to drugs: therapeutic immunomodulation with oligodeoxynucleotides containing CpG sequences from bacterial DNA. 2001 , 11, 181-8	47
541	Cytokines and Colony Stimulating Factors. 2002 ,	
540	DNA containing CpG motifs induces angiogenesis. 2002 , 99, 8944-9	82
539	Lactobacilli differentially modulate expression of cytokines and maturation surface markers in murine dendritic cells. 2002 , 168, 171-8	700

538	Established human papillomavirus type 16-expressing tumors are effectively eradicated following vaccination with long peptides. 2002 , 169, 350-8	347
537	CpG are efficient adjuvants for specific CTL induction against tumor antigen-derived peptide. 2002 , 168, 1212-8	127
536	Oral DNA vaccination in utero induces mucosal immunity and immune memory in the neonate. 2002 , 168, 1877-85	42
535	Priming Th1 immunity to viral core particles is facilitated by trace amounts of RNA bound to its arginine-rich domain. 2002 , 168, 4951-9	90
534	Role of mitogen-activated protein kinases in CpG DNA-mediated IL-10 and IL-12 production: central role of extracellular signal-regulated kinase in the negative feedback loop of the CpG DNA-mediated Th1 response. 2002 , 168, 4711-20	179
533	Receptor-mediated monitoring of tissue well-being via detection of soluble heparan sulfate by Toll-like receptor 4. 2002 , 168, 5233-9	545
532	Codelivery of NF-kappaB decoy-related oligodeoxynucleotide improves LPD-mediated systemic gene transfer. 2002 , 6, 804-12	25
531	Cutting Edge: CpG DNA inhibits dendritic cell apoptosis by up-regulating cellular inhibitor of apoptosis proteins through the phosphatidylinositide-3POH kinase pathway. 2002 , 168, 5-8	87
530	B cells capturing antigen conjugated with CpG oligodeoxynucleotides induce Th1 cells by elaborating IL-12. 2002 , 169, 787-94	49
529	Peritumoral CpG DNA elicits a coordinated response of CD8 T cells and innate effectors to cure established tumors in a murine colon carcinoma model. 2002 , 169, 3892-9	163
528	Immunology of vaccination. 2002 , 62, 15-28	35
527	Improving DNA vaccine potency by linking MarekB disease virus type 1 VP22 to an antigen. 2002 , 76, 2676-82	81
526	CpG-depleted plasmid DNA vectors with enhanced safety and long-term gene expression in vivo. 2002 , 5, 731-8	184
525	Toll-like receptor 9, CpG DNA and innate immunity. 2002 , 2, 545-56	116
524	Activation of APCs through CD40 or Toll-like receptor 9 overcomes tolerance and precipitates autoimmune disease. 2002 , 169, 2781-7	131
523	CpG motifs as possible adjuvants for the treatment of allergic diseases. 2002 , 129, 198-203	26
522	Stimulatory effect of CpG sequences on humoral response in chickens. 2002 , 81, 1317-21	46
521	The role of dendritic cells at the early stages of Leishmania infection. 2000 , 479, 163-73	22

520	The Biology and Pathology of Innate Immunity Mechanisms. 2002,	2
519	Prevention of spontaneous mammary adenocarcinoma in HER-2/neu transgenic mice by foreign DNA. 2002, 16, 1749-54	28
518	Induction of CD8 T-cell-specific systemic and mucosal immunity against herpes simplex virus with CpG-peptide complexes. 2002, 76, 6568-76	48
517	In vitro maturation of dendritic cells from blood progenitors. 2003, 215, 417-26	
516	Dangerous liaisons: the role of "danger" signals in the immune response to gene therapy. 2002, 100, 1133-40	83
515	Creating space: an antigen-independent, CpG-induced peripheral expansion of naive and memory T lymphocytes in a full T-cell compartment. 2002, 100, 2537-45	48
514	Comparative analysis of murine marrow-derived dendritic cells generated by Flt3L or GM-CSF/IL-4 and matured with immune stimulatory agents on the in vivo induction of antileukemia responses. 2002, 100, 4169-76	67
513	The potential of DNA vaccination against tumor-associated antigens for antitumor therapy. 2002, 227, 227-37	38
512	Adjuvants and malaria vaccine development. 2002, 80, 343-65	8
511	Evaluation of dendritic cell immunogenicity after activation and chemical fixation: a mixed lymphocyte reaction model. 2002, 25, 152-61	1
510	Cytokine gene transfer into dendritic cells for cancer treatment. 2002, 2, 79-89	20
509	Regulation of class II MHC expression in APCs: roles of types I, III, and IV class II transactivator. 2002, 169, 1326-33	80
508	CpG oligodeoxynucleotides as vaccine adjuvants in primates. 2002, 168, 1659-63	169
507	CpG motifs in bacterial DNA and their immune effects. 2002, 20, 709-60	2122
506	Analysis of the gene expression profiles of immature versus mature bone marrow-derived dendritic cells using DNA arrays. 2002, 290, 66-72	52
505	Amb a 1-linked CpG oligodeoxynucleotides reverse established airway hyperresponsiveness in a murine model of asthma. 2002, 109, 455-62	129
504	Optimized conjugation ratios lead to allergen immunostimulatory oligodeoxynucleotide conjugates with retained immunogenicity and minimal anaphylactogenicity. 2002, 110, 413-20	47
503	Growth factors, cytokines and dendritic cell development. 2002, 8, 405-18	11

502	CpG DNA in the prevention and treatment of infections. 2002 , 16, 419-31	33
501	Overcoming the inflammatory toxicity of cationic gene vectors. 2002 , 10, 153-60	23
500	Cancer immunotherapy with peptide-based vaccines: what have we achieved? Where are we going?. 2002 , 94, 805-18	335
499	Interactions between bacterial CpG-DNA and TLR9 bridge innate and adaptive immunity. 2002 , 5, 62-9	160
498	Plasmacytoid dendritic cells: the key to CpG. 2002 , 63, 1111-9	122
497	Mechanisms of stimulation of the immune response by aluminum adjuvants. 2002 , 20 Suppl 3, S34-9	231
496	Activation of antigen-presenting cells by immunostimulatory plant DNA: a natural resource for potential adjuvant. 2002 , 20, 2764-71	12
495	CpG-containing oligodeoxynucleotides augment and switch the immune responses of cattle to bovine herpesvirus-1 glycoprotein D. 2002 , 20, 3014-22	56
494	Synergistic adjuvant activity of immunostimulatory DNA and oil/water emulsions for immunization with HIV p55 gag antigen. 2002 , 20, 3389-98	28
493	Liposomal immunostimulatory DNA sequence (ISS-ODN): an efficient parenteral and mucosal adjuvant for influenza and hepatitis B vaccines. 2002 , 20, 3342-54	64
492	CpG-oligodinucleotides as an effective adjuvant in pigs for intramuscular immunizations. 2002 , 86, 31-41	39
491	Quantitative expression of toll-like receptor 1-10 mRNA in cellular subsets of human peripheral blood mononuclear cells and sensitivity to CpG oligodeoxynucleotides. 2002 , 168, 4531-7	1574
490	. 2002 ,	5
489	Effective postexposure treatment of retrovirus-induced disease with immunostimulatory DNA containing CpG motifs. 2002 , 76, 11397-404	49
488	Synergism between cytosine-guanine oligodeoxynucleotides and monoclonal antibody in the treatment of lymphoma. 2002 , 29, 93-97	15
487	Influence of adjuvants in inducing immune responses to different epitopes included in a multiepitope, multivalent, multistage Plasmodium falciparum candidate vaccine (FALVAC-1) in outbred mice. 2002 , 101, 3-12	17
486	Toll-like receptor 4 is not required for the full maturation of dendritic cells or for the degradation of Gram-negative bacteria. <i>European Journal of Immunology</i> , 2002 , 32, 2800-6	6.1 28
485	CpG motifs of bacterial DNA exacerbate colitis of dextran sulfate sodium-treated mice. <i>European Journal of Immunology</i> , 2002 , 32, 2084-92	6.1 105

484	CpG-DNA aided cross-presentation of soluble antigens by dendritic cells. <i>European Journal of Immunology</i> , 2002 , 32, 2356-64	6.1	146
483	CpG oligodeoxynucleotides induce human monocytes to mature into functional dendritic cells. <i>European Journal of Immunology</i> , 2002 , 32, 2617-22	6.1	75
482	Combined dendritic cell- and CpG oligonucleotide-based immune therapy cures large murine tumors that resist chemotherapy. <i>European Journal of Immunology</i> , 2002 , 32, 3235-45	6.1	100
481	Dendritic Cells and Cancer: Prospects for Cancer Vaccination. 2002 , 177-203		
480	Stimulation of B lymphocytes, macrophages, and dendritic cells by protozoan DNA. 2002 , 4, 969-74		18
479	Phosphodiester CpG oligonucleotides as adjuvants: polyguanosine runs enhance cellular uptake and improve immunostimulative activity of phosphodiester CpG oligonucleotides in vitro and in vivo. 2002 , 106, 102-12		101
478	Skin-derived macrophages from Leishmania major-susceptible mice exhibit interleukin-12- and interferon-gamma-independent nitric oxide production and parasite killing after treatment with immunostimulatory DNA. 2002 , 119, 621-8		10
477	CpG ODN activates NO and iNOS production in mouse macrophage cell line (RAW 264.7). 2002 , 128, 467-73		36
476	Treatment of an immortalized APC cell line with both cytokines and LPS ensures effective T-cell activation in vitro. 2002 , 56, 492-503		22
475	Immature, but not inactive: the tolerogenic function of immature dendritic cells. 2002 , 80, 477-83		283
474	The role of tissue macrophages in the induction of proinflammatory cytokine production following intravenous injection of lipoplexes. 2002 , 9, 1120-6		64
473	Modulation of murine allergic rhinosinusitis by CpG oligodeoxynucleotides. 2002 , 112, 1819-26		41
472	Mouse and human dendritic cell subtypes. 2002 , 2, 151-61		1826
471	CpG DNA: recognition by and activation of monocytes. 2002 , 4, 897-901		62
470	Up-regulation of TLR9 gene expression by LPS in mouse macrophages via activation of NF-kappaB, ERK and p38 MAPK signal pathways. 2002 , 81, 165-9		102
469	Differentiation of immunostimulatory stem-cell- and monocyte-derived dendritic cells involves maturation of intracellular compartments responsible for antigen presentation and secretion. 2002 , 20, 380-93		14
468	Recent advances in vaccine adjuvants. 2002 , 19, 715-28		185
467	Regulation of CpG-induced immune activation by suppressive oligodeoxynucleotides. 2003 , 1002, 112-23		32

466	Apoptosis: programmed cell death at a molecular level. 2003 , 32, 345-69		261
465	Recent advances in veterinary vaccine adjuvants. 2003 , 33, 469-78		130
464	Immunostimulatory CpG oligodeoxynucleotides and antibody therapy of cancer. 2003 , 30, 476-82		23
463	IL-4 regulates IL-12 p40 expression post-transcriptionally as well as via a promoter-based mechanism. <i>European Journal of Immunology</i> , 2003 , 33, 428-33	6.1	7
462	Immunostimulatory effects of plasmid DNA and synthetic oligodeoxynucleotides. <i>European Journal of Immunology</i> , 2003 , 33, 1382-92	6.1	38
461	Bacterial DNA activates human neutrophils by a CpG-independent pathway. <i>European Journal of Immunology</i> , 2003 , 33, 3164-74	6.1	87
460	Bacterial peptidoglycans but not CpG oligodeoxynucleotides activate synovial fibroblasts by toll-like receptor signaling. 2003 , 48, 642-50		167
459	Influence of stimulatory and suppressive DNA motifs on host susceptibility to inflammatory arthritis. 2003 , 48, 1701-7		56
458	Dendritic cells in peripheral tolerance and immunity. 2003 , 111, 766-75		38
457	Murine dendritic cell development: difficulties associated with subset analysis. 2003 , 81, 239-46		28
456	Toll-like receptor-9 induced by physical trauma mediates release of cytokines following exposure to CpG motif in mouse skin. 2003 , 110, 341-7		35
455	CpG oligodeoxynucleotides accelerate reovirus type 2-triggered insulinitis in DBA/1 suckling mice. 2002 , 83, 217-23		9
454	Double-stranded RNA-exposed human keratinocytes promote Th1 responses by inducing a Type-1 polarized phenotype in dendritic cells: role of keratinocyte-derived tumor necrosis factor alpha, type I interferons, and interleukin-18. 2003 , 120, 990-7		68
453	CpG ODN enhances uptake of bacteria by mouse macrophages. 2003 , 132, 70-5		42
452	Hierarchical recognition of CpG motifs expressed by immunostimulatory oligodeoxynucleotides. 2003 , 133, 227-32		18
451	Contrasting activity of cytosin-guanosin dinucleotide oligonucleotides in mice with experimental colitis. 2003 , 134, 217-24		87
450	CD8+ T cells, NK cells and IFN-gamma are important for control of tumor with downregulated MHC class I expression by DNA vaccination. 2003 , 10, 1311-20		49
449	The imidazoquinolines and their place in the therapy of cutaneous disease. 2003 , 4, 1105-19		21

448	Intratumor CpG-oligodeoxynucleotide injection induces protective antitumor T cell immunity. 2003 , 171, 3941-6	98
447	CpG ODN 2006 and IL-12 are comparable for priming Th1 lymphocyte and IgG responses in cattle immunized with a rickettsial outer membrane protein in alum. 2003 , 21, 3307-18	39
446	CpG-induced immunomodulation and intracellular bacterial killing in a chicken macrophage cell line. 2003 , 27, 823-34	80
445	TOLL-like receptors linking innate and adaptive immune response. 2003 , 91, 1-12	300
444	Adjuvant formulations and delivery systems for DNA vaccines. 2003 , 31, 243-54	69
443	Molecular and cellular basis for designing gene vaccines against inflammatory autoimmune disease. 2003 , 9, 331-8	10
442	Immunoregulatory activity of CpG oligonucleotides in humans and nonhuman primates. 2003 , 109, 64-71	69
441	Immune regulation by regulatory T cells: implications for transplantation. 2003 , 11, 267-76	46
440	Microparticles as vaccine adjuvants and delivery systems. 2003 , 2, 269-83	179
439	Myeloid differentiation factor 88-dependent post-transcriptional regulation of cyclooxygenase-2 expression by CpG DNA: tumor necrosis factor-alpha receptor-associated factor 6, a diverging point in the Toll-like receptor 9-signaling. 2003 , 278, 40590-600	47
438	Activation of human dendritic cells is modulated by components of the outer membranes of <i>Neisseria meningitidis</i> . 2003 , 71, 5590-7	28
437	Innate immunity in breast carcinoma. 2003 , 10, 301-8	7
436	Dendritic cells are responsible for the capacity of CpG oligodeoxynucleotides to act as an adjuvant for protective vaccine immunity against <i>Leishmania major</i> in mice. 2003 , 198, 281-91	63
435	Repetitive elements in mammalian telomeres suppress bacterial DNA-induced immune activation. 2003 , 171, 1393-400	188
434	Lipopolysaccharide-induced suppression of airway Th2 responses does not require IL-12 production by dendritic cells. 2003 , 171, 3645-54	88
433	An immunomodulatory CpG oligonucleotide for the treatment of autoimmunity via the innate and adaptive immune systems. 2003 , 171, 4920-6	68
432	Oral pretreatment of mice with CpG DNA reduces susceptibility to oral or intraperitoneal challenge with virulent <i>Listeria monocytogenes</i> . 2003 , 71, 4398-404	21
431	NKT cells provide help for dendritic cell-dependent priming of MHC class I-restricted CD8+ T cells in vivo. 2003 , 170, 2540-8	104

430	Effective induction of acquired resistance to <i>Listeria monocytogenes</i> by immunizing mice with in vivo-infected dendritic cells. 2003 , 71, 117-25	18
429	CpG DNA induces protective antiviral immune responses in Atlantic salmon (<i>Salmo salar</i> L.). 2003 , 77, 11471-9	108
428	Influenza virus-induced dendritic cell maturation is associated with the induction of strong T cell immunity to a coadministered, normally nonimmunogenic protein. 2003 , 198, 133-44	151
427	Toll-like receptor ligand links innate and adaptive immune responses by the production of heat-shock proteins. 2003 , 73, 574-83	25
426	CpG DNA induces self and cross-hyporesponsiveness of RAW264.7 cells in response to CpG DNA and lipopolysaccharide: alterations in IL-1 receptor-associated kinase expression. 2003 , 170, 1052-61	104
425	Glatiramer acetate (copolymer-1, copaxone) promotes Th2 cell development and increased IL-10 production through modulation of dendritic cells. 2003 , 170, 4483-8	177
424	Stimulus-dependent deacylation of bacterial lipopolysaccharide by dendritic cells. 2003 , 197, 1745-54	37
423	An immunostimulatory oligodeoxynucleotide containing a cytidine-guanosine motif protects senescence-accelerated mice from lethal influenza virus by augmenting the T helper type 1 response. 2003 , 84, 1623-1628	45
422	Activation of natural killer T cells by alpha-galactosylceramide rapidly induces the full maturation of dendritic cells in vivo and thereby acts as an adjuvant for combined CD4 and CD8 T cell immunity to a coadministered protein. 2003 , 198, 267-79	601
421	Cutting edge: Toll-like receptor 9 expression is not required for CpG DNA-aided cross-presentation of DNA-conjugated antigens but essential for cross-priming of CD8 T cells. 2003 , 170, 2802-5	89
420	Inhibitory oligonucleotides block the induction of AP-1 transcription factor by stimulatory CpG oligonucleotides in B cells. 2003 , 13, 143-50	22
419	Protection of chickens against <i>Escherichia coli</i> infections by DNA containing CpG motifs. 2003 , 71, 857-63	120
418	Orally administered CpG oligodeoxynucleotide induces production of CXC and CC chemokines in the gastric mucosa and suppresses bacterial colonization in a mouse model of <i>Helicobacter pylori</i> infection. 2003 , 71, 7014-22	48
417	Synthetic CpG oligodeoxynucleotides accelerate the development of lupus nephritis during preactive phase in NZB x NZWF1 mice. 2003 , 12, 838-45	66
416	A protective role of locally administered immunostimulatory CpG oligodeoxynucleotide in a mouse model of genital herpes infection. 2003 , 77, 953-62	134
415	The toll-like receptor repertoire of human B lymphocytes: inducible and selective expression of TLR9 and TLR10 in normal and transformed cells. 2003 , 102, 956-63	315
414	Vaccination with plasmid DNA activates dendritic cells via Toll-like receptor 9 (TLR9) but functions in TLR9-deficient mice. 2003 , 171, 5908-12	180
413	Oligodeoxynucleotides without CpG motifs work as adjuvant for the induction of Th2 differentiation in a sequence-independent manner. 2003 , 170, 2367-73	31

412	Naturally occurring human IgM antibody that binds B7-DC and potentiates T cell stimulation by dendritic cells. 2003 , 170, 1830-8	59
411	In vivo impact of CpG1826 oligodeoxynucleotide on CD8 T cell primary responses and survival. 2003 , 171, 2995-3002	23
410	Myeloid differentiation factor 88-dependent transcriptional regulation of cyclooxygenase-2 expression by CpG DNA: role of NF-kappaB and p38. 2003 , 278, 22563-73	48
409	Salmonella enterica serovar Typhimurium expressing mutant lipid A with decreased endotoxicity causes maturation of murine dendritic cells. 2003 , 71, 6132-40	15
408	Ras participates in CpG oligodeoxynucleotide signaling through association with toll-like receptor 9 and promotion of interleukin-1 receptor-associated kinase/tumor necrosis factor receptor-associated factor 6 complex formation in macrophages. 2003 , 278, 36334-40	49
407	Strong cytosine-guanosine-independent immunostimulation in humans and other primates by synthetic oligodeoxynucleotides with PyNTTTTGT motifs. 2003 , 171, 3697-704	66
406	Compartmentalized production of CCL17 in vivo: strong inducibility in peripheral dendritic cells contrasts selective absence from the spleen. 2003 , 197, 585-99	147
405	Enhancement of mucosal immunization with virus-like particles of simian immunodeficiency virus. 2003 , 77, 3615-23	43
404	Advances in vaccine adjuvants for infectious diseases. 2003 , 1, 309-20	32
403	CpG motif in synthetic ODN primes respiratory burst of olive flounder <i>Paralichthys olivaceus</i> phagocytes and enhances protection against <i>Edwardsiella tarda</i> . 2003 , 56, 43-8	43
402	Heterogeneity in the human response to immunostimulatory CpG oligodeoxynucleotides. 2003 , 26, 313-9	32
401	Essential role for ICSBP in the in vivo development of murine CD8alpha + dendritic cells. 2003 , 101, 305-10	263
400	CpG-oligonucleotides for cancer immunotherapy : review of the literature and potential applications in malignant glioma. 2003 , 8, e115-27	56
399	Effects of CpG-oligodeoxynucleotides in Chronic Inflammation and Remodeling of Airway in a Murine Model of Bronchial Asthma. 2004 , 57, 543	
398	Progress in vaccine research and possible effector mechanisms in visceral leishmaniasis. 2004 , 4, 697-709	30
397	Activation of RAW264.7 macrophages by bacterial DNA and lipopolysaccharide increases cell surface DNA binding and internalization. 2004 , 279, 17217-23	33
396	Direct evidence that toll-like receptor 9 (TLR9) functionally binds plasmid DNA by specific cytosine-phosphate-guanine motif recognition. 2004 , 279, 15124-9	83
395	Cytotoxic-T-lymphocyte human papillomavirus type 16 E5 peptide with CpG-oligodeoxynucleotide can eliminate tumor growth in C57BL/6 mice. 2004 , 78, 1333-43	47

394	Immunopharmacological and antitumor effects of second-generation immunomodulatory oligonucleotides containing synthetic CpR motifs. 2004 , 24, 901	5
393	Activation of dendritic cells that cross-present tumor-derived antigen licenses CD8+ CTL to cause tumor eradication. 2004 , 173, 6753-9	144
392	Exosomes as potent cell-free peptide-based vaccine. II. Exosomes in CpG adjuvants efficiently prime naive Tc1 lymphocytes leading to tumor rejection. 2004 , 172, 2137-46	204
391	CpG-A and CpG-B oligonucleotides differentially enhance human peptide-specific primary and memory CD8+ T-cell responses in vitro. 2004 , 103, 2162-9	79
390	Contribution of Toll-like receptor 9 signaling to the acute inflammatory response to nonviral vectors. 2004 , 9, 241-8	75
389	Tumor vaccines. 2004 , 82, 49-103	21
388	Immunostimulatory CpG oligodeoxynucleotide confers protection in a murine model of infection with Burkholderia pseudomallei. 2004 , 72, 4494-502	55
387	Mucosal adjuvants and delivery systems for protein-, DNA- and RNA-based vaccines. 2004 , 82, 617-27	85
386	CpG-ODN-stimulated dendritic cells act as a potent adjuvant for E7 protein delivery to induce antigen-specific antitumour immunity in a HPV 16 E7-associated animal tumour model. 2004 , 112, 117-25	41
385	Peritumoral CpG oligodeoxynucleotide treatment inhibits tumor growth and metastasis of B16F10 melanoma cells. 2004 , 123, 395-402	23
384	Pegylated and conventional interferon-alpha induce comparable transcriptional responses and inhibition of tumor growth in a human melanoma SCID mouse xenotransplantation model. 2004 , 123, 664-9	22
383	Cross-presentation, dendritic cell subsets, and the generation of immunity to cellular antigens. 2004 , 199, 9-26	578
382	Use of CpG oligodeoxynucleotides as immune adjuvants. 2004 , 199, 201-16	255
381	Protective DNA vaccination against experimental autoimmune encephalomyelitis is associated with induction of IFNbeta. 2004 , 149, 66-76	21
380	Development of immune assay system for both CpG and non-CpG DNA from lactic acid bacteria using a transfectant of swine Toll-like receptor 9. 2004 , 75, 377-382	16
379	Targeting split vaccines to the endosome improves vaccination. 2004 , 15, 538-42	14
378	CpG oligonucleotides elicit antitumor responses in a human melanoma NOD/SCID xenotransplantation model. 2004 , 122, 387-91	16
377	Treatment of neonatal mice with Flt3 ligand leads to changes in dendritic cell subpopulations associated with enhanced IL-12 and IFN-alpha production. <i>European Journal of Immunology</i> , 2004 , 34, 1849-60	6.1 28

376	HSP60 and CpG-DNA-oligonucleotides differentially regulate LPS-tolerance of hepatic Kupffer cells. 2004 , 93, 199-204	28
375	Current developments of immunotherapy in the clinic. 2004 , 16, 130-6	65
374	Cross-linked microparticles as carriers for the delivery of plasmid DNA for vaccine development. 2004 , 15, 467-74	88
373	Customized antigens for desensitizing allergic patients. 2004 , 84, 79-129	13
372	New Antiallergic Drugs. 2004 , 273-285	
371	Protection of neonatal chicks against a lethal challenge of Escherichia coli using DNA containing cytosine-phosphodiester-guanine motifs. 2004 , 48, 813-22	63
370	Mastitis increases mammary mRNA abundance of beta-defensin 5, toll-like-receptor 2 (TLR2), and TLR4 but not TLR9 in cattle. 2004 , 11, 174-85	195
369	CD40/CD154 interactions at the interface of tolerance and immunity. 2004 , 22, 307-28	549
368	Acid-degradable particles for protein-based vaccines: enhanced survival rate for tumor-challenged mice using ovalbumin model. 2004 , 15, 1281-8	78
367	Efficacy of cellular vaccines and genetic adjuvants against bacterial kidney disease in chinook salmon (<i>Oncorhynchus tshawytscha</i>). 2004 , 16, 461-74	31
366	Enhancement of immune responses by DNA vaccination through targeted gene delivery using mannosylated cationic liposome formulations following intravenous administration in mice. 2004 , 317, 992-9	86
365	Induction of immune activation by a novel immunomodulatory oligonucleotide without thymocyte apoptosis. 2004 , 318, 60-6	5
364	CpG oligodeoxynucleotides stimulate immune cell proliferation but not specific antibody production in rainbow trout (<i>Oncorhynchus mykiss</i>). 2004 , 101, 211-22	26
363	CpG oligonucleotides improve the protective immune response induced by the anthrax vaccination of rhesus macaques. 2004 , 22, 2881-6	74
362	CpG-DNA as immune response modifier. 2004 , 294, 345-54	25
361	The immunobiology of the TLR9 subfamily. 2004 , 25, 381-6	283
360	Bacterial DNA and RNA induce rat cardiac myocyte contraction depression in vitro. 2004 , 21, 364-9	17
359	Discovery of novel immunostimulants by dendritic-cell-based functional screening. 2005 , 106, 3082-9	48

358	Osteopontin functionally activates dendritic cells and induces their differentiation toward a Th1-polarizing phenotype. 2005 , 106, 946-55	125
357	Distinct roles for the NF-kappaB1 and c-Rel transcription factors in the differentiation and survival of plasmacytoid and conventional dendritic cells activated by TLR-9 signals. 2005 , 106, 3457-64	71
356	Strong immunostimulation in murine immune cells by Lactobacillus rhamnosus GG DNA containing novel oligodeoxynucleotide pattern. 2005 , 7, 403-14	73
355	Activation of murine dendritic cells and macrophages induced by Salmonella enterica serovar Typhimurium. 2005 , 115, 462-72	29
354	CpG oligodeoxynucleotides promote the host protective response against infection with Cryptococcus neoformans through induction of interferon-gamma production by CD4+ T cells. 2005 , 140, 220-9	28
353	Effects of CpG-ODN on gene expression in formation of foam cells. 2005 , 26, 1359-64	
352	[Cancer immunotherapy with CpG-ODN]. 2005 , 21, 73-7	8
351	CpG Oligodeoxynucleotides as a Future Vaccine for Allergic Diseases. 2005 , 54, 17-23	2
350	Synthetic oligodeoxynucleotides containing deoxycytidyl-deoxyguanosine dinucleotides (CpG ODNs) and modified analogs as novel anticancer therapeutics. 2005 , 11, 2889-907	36
349	Orally administered OVA/CpG-ODN induces specific mucosal and systemic immune response in young and aged mice. 2005 , 77, 898-905	56
348	In vivo CpG DNA/toll-like receptor 9 interaction induces regulatory properties in CD4+CD62L+ T cells which prevent intestinal inflammation in the SCID transfer model of colitis. 2005 , 54, 1428-36	50
347	Pasteurella multocida toxin activates human monocyte-derived and murine bone marrow-derived dendritic cells in vitro but suppresses antibody production in vivo. 2005 , 73, 413-21	25
346	Immunotherapy of murine malignant mesothelioma using tumor lysate-pulsed dendritic cells. 2005 , 171, 1168-77	89
345	B1-B cells are the main antigen presenting cells in CpG-ODN-stimulated peritoneal exudate cells. 2005 , 49, 89-95	8
344	Effects of multiple copies of CpG on DNA vaccination. 2005 , 24, 292-8	16
343	Induction of IFN-regulated factors and antitumoral surveillance by transfected placebo plasmid DNA. 2005 , 11, 112-9	27
342	Antigen-specific CD8+ T lymphocytes generated from a DNA vaccine control tumors through the Fas-FasL pathway. 2005 , 12, 960-8	15
341	Immunization with HIV-1 Gag protein conjugated to a TLR7/8 agonist results in the generation of HIV-1 Gag-specific Th1 and CD8+ T cell responses. 2005 , 174, 7676-83	172

340	Protective CD8 T cell immunity triggered by CpG-protein conjugates competes with the efficacy of live vaccines. 2005 , 174, 4373-80	87
339	Differential expression regulation of the alpha and beta subunits of the PA28 proteasome activator in mature dendritic cells. 2005 , 174, 7815-22	54
338	Differences in macrophage activation by bacterial DNA and CpG-containing oligonucleotides. 2005 , 175, 3569-76	66
337	Antigen persistence is required throughout the expansion phase of a CD4(+) T cell response. 2005 , 201, 1555-65	216
336	CpG oligodeoxynucleotide protection in polymicrobial sepsis is dependent on interleukin-17. 2005 , 191, 1368-76	36
335	Dendritic cells activated with products released by schistosome larvae drive Th2-type immune responses, which can be inhibited by manipulation of CD40 costimulation. 2005 , 73, 395-402	68
334	Enhanced immune response to gastric cancer specific antigen Peptide by coencapsulation with CpG oligodeoxynucleotides in nanoemulsion. 2005 , 4, 218-24	24
333	Maturation requirements for dendritic cells in T cell stimulation leading to tolerance versus immunity. 2005 , 78, 319-24	128
332	DNA-based immunotherapy to treat atopic disease. 2005 , 95, 403-10; quiz 410-1, 451	10
331	The role of adjuvants in the development of mucosal vaccines. 2005 , 5, 953-65	16
330	Augmentation of T(H)-1 type response by immunoreactive AT oligonucleotide from lactic acid bacteria via Toll-like receptor 9 signaling. 2005 , 326, 782-7	60
329	Signal transduction of the prophenoloxidase activating system of prawn haemocytes triggered by CpG oligodeoxynucleotides. 2005 , 18, 149-62	30
328	Porcine-specific CpG-oligodeoxynucleotide activates B-cells and increases the expression of MHC-II molecules on lymphocytes. 2005 , 105, 115-24	23
327	Cloning of canine toll-like receptor 9 and its expression in dog tissues. 2005 , 106, 159-63	24
326	Bovine toll-like receptor 9: a comparative analysis of molecular structure, function and expression. 2005 , 108, 11-6	39
325	Innate IL-10 promotes the induction of Th2 responses with plasmid DNA expressing HIV gp120. 2005 , 23, 963-74	37
324	TLR agonists as vaccine adjuvants: comparison of CpG ODN and Resiquimod (R-848). 2005 , 23, 5263-70	123
323	Immunotherapy with CTL peptide and VSSP eradicated established human papillomavirus (HPV) type 16 E7-expressing tumors. 2005 , 23, 5768-74	25

322	Current research on the immunostimulatory effects of CpG oligodeoxynucleotides in fish. 2005 , 246, 25-36	23
321	Immature monocyte derived dendritic cells gene expression profile in response to Virus-Like Particles stimulation. 2005 , 3, 45	37
320	CpG motifs of bacterial DNA essentially contribute to the perpetuation of chronic intestinal inflammation. 2005 , 129, 913-27	85
319	Plasmid DNA vaccines against cancer: cytotoxic T-lymphocyte induction against tumor antigens. 2005 , 4, 315-27	11
318	Tumor Immunology and Immunotherapy. 2006 , 254-268	
317	Adjuvant activity of CpG oligodeoxynucleotides. 2006 , 25, 135-54	122
316	Immune mechanisms and therapeutic potential of CpG oligodeoxynucleotides. 2006 , 25, 183-213	62
315	TLR9-independent activation of B lymphocytes by bacterial DNA. 2006 , 25, 253-61	16
314	A newly identified CpG oligodeoxynucleotide motif that stimulates rainbow trout (<i>Oncorhynchus mykiss</i>) immune cells to produce immunomodulatory factors. 2006 , 30, 311-24	8
313	Toll-like receptor 9 contributes to recognition of <i>Mycobacterium bovis</i> Bacillus Calmette-Guérin by Flt3-ligand generated dendritic cells. 2006 , 211, 557-65	62
312	CpG oligodeoxynucleotides as DNA adjuvants in vertebrates and their applications in immunotherapy. 2006 , 6, 1586-96	31
311	The in vitro effects of CpG oligodeoxynucleotides on the expression of cytokine genes in the common carp (<i>Cyprinus carpio</i> L.) head kidney cells. 2006 , 110, 79-85	21
310	CpG oligodeoxynucleotides activate dendritic cells in vivo and induce a functional and protective vaccine immunity against a TERT derived modified cryptic MHC class I-restricted epitope. 2006 , 24, 1880-8	13
309	An improved rearranged Human Papillomavirus Type 16 E7 DNA vaccine candidate (HPV-16 E7SH) induces an E7 wildtype-specific T cell response. 2006 , 24, 2880-93	44
308	Eradication of established HPV 16-expressing tumors by a single administration of a vaccine composed of a liposome-encapsulated CTL-T helper fusion peptide in a water-in-oil emulsion. 2006 , 24, 5235-44	65
307	Effects of DDA, CpG-ODN, and plasmid-encoded chicken IFN-gamma on protective immunity by a DNA vaccine against IBDV in chickens. 2006 , 7, 361-8	21
306	Introduction to Some of the Issues and Mysteries Considered in this Book on Dendritic Cells. 3-11	1
305	Cytokines Produced by Dendritic Cells. 355-383	

304	Experimental therapy of prostate cancer with an immunomodulatory oligonucleotide: effects on tumor growth, apoptosis, proliferation, and potentiation of chemotherapy. 2006 , 66, 1653-63		17
303	Cytokine and Ig-production by CG-containing sequences with phosphorodiester backbone and dumbbell-shape. 2006 , 61, 56-63		32
302	Elimination of CD4+ CD25+ regulatory T cells breaks down reovirus type 2-triggered and CpG ODN-induced prolonged mild autoimmune insulinitis in DBA/1 mice. 2006 , 63, 116-24		7
301	Card9 controls a non-TLR signalling pathway for innate anti-fungal immunity. 2006 , 442, 651-6		636
300	Safety and efficacy of nasal application of CpG oligodeoxynucleotide as a mucosal adjuvant. 2006 , 116, 331-5		23
299	Nasal vaccination with CpG oligodeoxynucleotide induces protective immunity against non-typeable Haemophilus influenzae in the nasopharynx. 2006 , 116, 407-12		23
298	Dendritic cells in germ-free and specific pathogen-free mice have similar phenotypes and in vitro antigen presenting function. 2006 , 102, 16-24		33
297	CpG oligonucleotides improve the protective immune response induced by the licensed anthrax vaccine. 2006 , 1082, 137-50		35
296	Mucosal immunization with a urease B DNA vaccine induces innate and cellular immune responses against Helicobacter pylori. 2006 , 11, 113-22		27
295	CpG oligonucleotides enhance the tumor antigen-specific immune response of an anti-idiotypic antibody-based vaccine strategy in CEA transgenic mice. 2006 , 55, 515-27		25
294	Protection of Balb/c mice against infection with FMDV by immunostimulation with CpG oligonucleotides. 2006 , 72, 42-8		28
293	Systemic application of CpG-rich DNA suppresses adaptive T cell immunity via induction of IDO. <i>European Journal of Immunology</i> , 2006 , 36, 12-20	6.1	143
292	Higher-order CpG-DNA stimulation reveals distinct activation requirements for marginal zone and follicular B cells in lupus mice. <i>European Journal of Immunology</i> , 2006 , 36, 1951-62	6.1	19
291	Distinct roles for IL-6 and IL-12p40 in mediating protection against Leishmania donovani and the expansion of IL-10+ CD4+ T cells. <i>European Journal of Immunology</i> , 2006 , 36, 1764-71	6.1	99
290	Interleukin-10 derived from macrophages and/or neutrophils regulates the inflammatory response to LPS but not the response to CpG DNA. <i>European Journal of Immunology</i> , 2006 , 36, 3248-55	6.1	102
289	TLR2 engagement on CD8 T cells lowers the threshold for optimal antigen-induced T cell activation. <i>European Journal of Immunology</i> , 2006 , 36, 1684-93	6.1	155
288	Immunomodulatory effects associated with a live vaccine against Leishmania major containing CpG oligodeoxynucleotides. <i>European Journal of Immunology</i> , 2006 , 36, 3238-47	6.1	40
287	Towards a coronavirus-based HIV multigene vaccine. 2006 , 13, 353-60		10

286	Hepatitis C virus polyprotein vaccine formulations capable of inducing broad antibody and cellular immune responses. 2006 , 87, 2253-2262	40
285	Vaccine Adjuvants. 2006 ,	6
284	Vector System: Plasmid DNA. 2006 ,	
283	CpG oligonucleotides accelerate and boost the immune response elicited by AVA, the licensed anthrax vaccine. 2006 , 5, 365-9	22
282	Prime-boost with alternating DNA vaccines designed to engage different antigen presentation pathways generates high frequencies of peptide-specific CD8+ T cells. 2006 , 177, 6626-33	31
281	Immunostimulatory PyNTTTTGT oligodeoxynucleotides: structural properties and refinement of the active motif. 2006 , 16, 275-85	11
280	Development of Vaccine Adjuvants: A Historical Perspective. 1-31	6
279	Toll-like receptor 9 dependent activation of MAPK and NF-kB is required for the CpG ODN-induced matrix metalloproteinase-9 expression. 2007 , 39, 239-45	49
278	Toll-like receptor 2-mediated dendritic cell activation by a Porphyromonas gingivalis synthetic lipopeptide. 2007 , 56, 459-465	17
277	Local application of CpG oligodeoxynucleotide enhances nontypeable Haemophilus influenzae-specific mucosal IgA responses in the middle ear. 2007 , 127, 809-15	6
276	Protection of chickens against a lethal challenge of Escherichia coli by a vaccine containing CpG oligodeoxynucleotides as an adjuvant. 2007 , 51, 78-83	26
275	Immune responses of mice to influenza subunit vaccine in combination with CIA07 as an adjuvant. 2007 , 51, 1099-107	6
274	Bacterial DNA containing methylated CpG motifs retains immunostimulatory activity in synergy with modified lipopolysaccharides. 2007 , 51, 211-22	4
273	Adjuvant effect of CpG-oligodeoxynucleotide in anti-fungal chemotherapy against fatal infection with Cryptococcus neoformans in mice. 2007 , 51, 741-6	8
272	CpG-B ODNs potently induce low levels of IFN- α and induce IFN- α -dependent MHC-I cross-presentation in DCs as effectively as CpG-A and CpG-C ODNs. 2007 , 81, 1075-85	31
271	IFN- γ negatively regulates CpG-induced IL-10 in bone marrow-derived dendritic cells. 2007 , 178, 211-8	24
270	Targeting of antigen to dendritic cells with poly(γ -glutamic acid) nanoparticles induces antigen-specific humoral and cellular immunity. 2007 , 178, 2979-86	193
269	Long-lasting protective immune response to the 19-kilodalton carboxy-terminal fragment of Plasmodium yoelii merozoite surface protein 1 in mice. 2007 , 14, 342-7	13

268	Activation of tumor-specific CD8+ T Cells after intratumoral Ad5-TRAIL/CpG oligodeoxynucleotide combination therapy. 2007 , 67, 11980-90	40
267	Mucosal Adjuvants and Delivery Systems. 295-326	2
266	Preparation of fully activated dendritic cells capable of priming tumor-specific cytotoxic T lymphocytes in patients with metastatic cancer using penicillin-killed streptococcus pyogenes (OK432) and anti-CD40 antibody. 2007 ,	
265	Vaccination with porcine reproductive and respiratory syndrome killed virus vaccine and immunostimulatory oligodeoxynucleotides induces specific immunity in piglets. 2007 , 25, 1735-42	15
264	CpG oligodeoxynucleotides augment the immune responses of piglets to swine Pasteurella multocida living vaccine in vivo. 2007 , 83, 171-81	12
263	Vaccination with Newcastle disease vaccine and CpG oligodeoxynucleotides induces specific immunity and protection against Newcastle disease virus in SPF chicken. 2007 , 115, 216-22	35
262	Additive effects of CpG ODN and R-848 as adjuvants on augmenting immune responses to HBsAg vaccination. 2007 , 361, 537-42	46
261	Construction of a recombinant plasmid containing multi-copy CpG motifs and its effects on the innate immune responses of aquatic animals. 2007 , 23, 589-600	20
260	CpG oligodeoxynucleotides up-regulate antibacterial systems and induce protection against bacterial challenge in rainbow trout (<i>Oncorhynchus mykiss</i>). 2007 , 23, 781-92	34
259	Immunotherapy with CpG DNA conjugated with T-cell epitope peptide of an allergenic Cry j 2 protein is useful for control of allergic conditions in mice. 2007 , 7, 46-54	21
258	In vivo immunostimulatory effects of CpG ODN in newborn piglets. 2007 , 44, 1238-44	11
257	In vivo effects of oligodeoxynucleotides containing synthetic immunostimulatory motifs in the immune response to swine streptococcal septicemia vaccine in weaned piglets. 2007 , 44, 1141-9	15
256	CpG-mediated changes in gene expression in murine spleen cells identified by microarray analysis. 2007 , 44, 1095-104	30
255	Monocyte-derived dendritic cells loaded with a mixture of apoptotic/necrotic melanoma cells efficiently cross-present gp100 and MART-1 antigens to specific CD8(+) T lymphocytes. 2007 , 5, 19	37
254	Interferon: The 50th Anniversary. 2007 ,	5
253	. 2007 ,	13
252	Prevention of red cell alloimmunization by CD25 regulatory T cells in mouse models. 2007 , 82, 691-6	63
251	TLR9 activation is a key event for the maintenance of a mycobacterial antigen-elicited pulmonary granulomatous response. <i>European Journal of Immunology</i> , 2007 , 37, 2847-55	6.1 38

250	In vitro and in vivo evaluation of intrinsic immunogenicity of reporter and insulin gene therapy plasmids. 2007 , 9, 703-14	6
249	Corticosterone impairs dendritic cell maturation and function. 2007 , 122, 279-90	64
248	Translocation of bacterial DNA from Gram-positive microorganisms is associated with a species-specific inflammatory response in serum and ascitic fluid of patients with cirrhosis. 2007 , 150, 230-7	30
247	Effects of LT-K63 and CpG2006 on phenotype and function of murine neonatal lymphoid cells. 2007 , 66, 426-34	13
246	Adjuvant effect of CIA07, a combination of Escherichia coli DNA fragments and modified lipopolysaccharides, on the immune response to hepatitis B virus surface antigen. 2007 , 51, 496-504	8
245	Flt3 ligand generates morphologically distinct semimature dendritic cells in ovalbumin-sensitized mice. 2007 , 83, 17-24	7
244	Incorporation of CpG oligonucleotide ligand into protein-loaded particle vaccines promotes antigen-specific CD8 T-cell immunity. 2007 , 18, 77-83	57
243	Transcription factors in the control of dendritic cell life cycle. 2007 , 37, 79-96	16
242	Systemic administration of oligodeoxynucleotides with CpG motifs at priming phase reduces local Th2 response and late allergic rhinitis in BALB/c mice. 2008 , 31, 47-56	7
241	The sweetness of the DNA backbone drives Toll-like receptor 9. 2008 , 20, 396-400	32
240	Cryptococcus neoformans inhibits nitric oxide synthesis caused by CpG-oligodeoxynucleotide-stimulated macrophages in a fashion independent of capsular polysaccharides. 2008 , 52, 171-9	20
239	Co-administration of carcinoembryonic antigen and HIV TAT fusion protein with CpG-oligodeoxynucleotide induces potent antitumor immunity. 2008 , 99, 1034-9	22
238	Adjuvants LT-K63 and CpG enhance the activation of dendritic cells in neonatal mice. 2008 , 68, 469-75	9
237	Gene expression profile of peripheral blood mononuclear cells in response to HIV-VLPs stimulation. 2008 , 9 Suppl 2, S5	28
236	Treatment by CpG or Flt3-ligand does not affect mouse susceptibility to BSE prions. 2008 , 197, 74-80	4
235	Toll-Like Receptors (TLRs) and Innate Immunity. 2008 ,	7
234	Toll-like receptor ligand-induced activation of murine DC2.4 cells is attenuated by Panax notoginseng. 2008 , 116, 179-86	57
233	TLR9 cooperates with TLR4 to increase IL-12 release by murine dendritic cells. 2008 , 45, 244-52	49

232	Effect of plasmid DNA encoding the porcine granulocyte-macrophage colony-stimulating factor on antigen-presenting cells in pigs. 2008 , 125, 354-60		13
231	CpG-induced myeloid CD11b+Gr-1+ cells efficiently suppress T cell-mediated immunoreactivity and graft-versus-host disease in a murine model of allogeneic cell therapy. 2008 , 14, 973-984		33
230	Initiation of signal transduction of the respiratory burst of prawn haemocytes triggered by CpG oligodeoxynucleotides. 2008 , 24, 693-700		12
229	What happens to the DNA vaccine in fish? A review of current knowledge. 2008 , 25, 1-18		113
228	Toll-like receptor-agonists in the treatment of skin cancer: history, current developments and future prospects. 2008 , 201-20		12
227	Decreased pathology and prolonged survival of human DC-SIGN transgenic mice during mycobacterial infection. 2008 , 180, 6836-45		71
226	Systemic control of plasmacytoid dendritic cells by CD8+ T cells and commensal microbiota. 2008 , 180, 5843-52		61
225	Effect of CpG oligonucleotides on vaccine-induced B cell memory. 2008 , 181, 5785-90		44
224	CARD6 is interferon inducible but not involved in nucleotide-binding oligomerization domain protein signaling leading to NF-kappaB activation. 2008 , 28, 1541-52		16
223	Intramammary application of non-methylated-CpG oligodeoxynucleotides (CpG) inhibits both local and systemic mammary carcinogenesis in female BALB/c Her-2/neu transgenic mice. 2008 , 8, 230-42		13
222	Dendritic Cells. 2009 , 116-123		
221	5-hydroxytryptamine modulates migration, cytokine and chemokine release and T-cell priming capacity of dendritic cells in vitro and in vivo. 2009 , 4, e6453		115
220	Toll-Like Receptor Triggering and T-Cell Costimulation Induce Potent Antitumor Immunity in Mice. <i>Clinical Cancer Research</i> , 2009 , 15, 7624-7633	12.9	20
219	Luciferase therapeutic microcapsules for gene therapy. 2009 , 37, 235-44		2
218	Optimized systemic dosing with CpG DNA enhances dendritic cell-mediated rejection of a poorly immunogenic mammary tumor in BALB/c mice. 2009 , 2, 62-6		2
217	Strategies for optimizing targeting and delivery of mucosal HIV vaccines. <i>European Journal of Immunology</i> , 2009 , 39, 2657-69	6.1	21
216	CpG-ODN enhances ingestion of apoptotic neutrophils by macrophages. 2009 , 9, 37-43		6
215	Strategies for enhancing DNA vaccine potency by targeting antigen-presenting cells. 2009 , 3, 478-485		0

214	The immunogenicity of CpG-antigen conjugates. 2009 , 61, 243-7	39
213	The in vitro and in ovo responses of chickens to TLR9 subfamily ligands. 2009 , 33, 660-7	29
212	CpG-ODN-based immunotherapy is effective in controlling the growth of metastasized tumor cells. 2009 , 274, 160-4	14
211	A clinical grade poly I:C-analogue (Ampligen) promotes optimal DC maturation and Th1-type T cell responses of healthy donors and cancer patients in vitro. 2009 , 27, 107-15	93
210	A single-dose combination therapy that both prevents and treats anthrax infection. 2009 , 27, 1811-5	17
209	The novel adjuvant combination of CpG ODN, indolicidin and polyphosphazene induces potent antibody- and cell-mediated immune responses in mice. 2009 , 27, 2055-64	60
208	Rescuing macrophage function following severe thermal injury. 2009 , 157, 158-60	1
207	Myeloid dendritic cell: From sentinel of immunity to key player of peripheral tolerance?. 2009 , 70, 289-93	64
206	CpG motifs of bacterial DNA exert protective effects in mouse models of IBD by antigen-independent tolerance induction. 2009 , 136, 278-87	37
205	In vitro haematopoiesis of a novel dendritic-like cell present in murine spleen. 2010 , 5, 367-71	1
204	Naked DNA Vaccines. 2010 ,	
203	The utility of poly(α -glutamic acid) nanoparticles as antigen delivery carriers in dendritic cell-based cancer immunotherapy. 2010 , 33, 2003-7	14
202	In vivo kinetics and biodistribution of a Hantaan virus DNA vaccine after intramuscular injection in mice. 2010 , 25, 177-82	3
201	Biodegradable nanoparticles containing TLR3 or TLR9 agonists together with antigen enhance MHC-restricted presentation of the antigen. 2010 , 33, 1859-66	29
200	Unmethylated CpG oligodeoxynucleotides activate head kidney leukocytes of Atlantic cod, <i>Gadus morhua</i> . 2010 , 36, 1151-8	5
199	Glycogen synthase kinase 3- α master regulator of toll-like receptor-mediated chronic intestinal inflammation. 2010 , 16, 1850-8	49
198	Antitumoral efficacy of DNA nanoparticles in murine models of lung cancer and pulmonary metastasis. 2010 , 17, 20-7	20
197	Optimal TLR9 signal converts tolerogenic CD4 ⁺ DCs into immunogenic ones capable of stimulating antitumor immunity via activating CD4 ⁺ Th1/Th17 and NK cell responses. 2010 , 88, 393-403	19

196	T cell-dependent protective effects of CpG motifs of bacterial DNA in experimental colitis are mediated by CD11c+ dendritic cells. 2010 , 59, 1347-54	18
195	Gene Therapy with Plasmid DNA. 2010 , 457-499	3
194	Mammalian telomeric DNA suppresses endotoxin-induced uveitis. 2010 , 285, 28806-11	4
193	Classification, mechanisms of action, and therapeutic applications of inhibitory oligonucleotides for Toll-like receptors (TLR) 7 and 9. 2010 , 2010, 986596	46
192	Intranasal administration of CpG induces a rapid and transient cytokine response followed by dendritic and natural killer cell activation and recruitment in the mouse lung. 2010 , 2, 144-59	23
191	Immunogenicity of protein therapeutics: The key causes, consequences and challenges. 2010 , 1, 314-322	225
190	Short- and long-term changes in gene expression mediated by the activation of TLR9. 2010 , 47, 1317-24	35
189	Immunomodulation by semi-mature dendritic cells: a novel role of Toll-like receptors and interleukin-6. 2010 , 300, 19-24	55
188	CpG-induced secretion of MHCIIbeta and exosomes from salmon (<i>Salmo salar</i>) APCs. 2010 , 34, 29-41	47
187	Murine J774 macrophages recognize LPS/IFN-g, non-CpG DNA or two-CpG DNA-containing sequences as immunologically distinct. 2010 , 22, 242-57	2
186	Intrinsic nitric oxide-stimulatory activity of lipoteichoic acids from different Gram-positive bacteria. 2010 , 23, 300-10	9
185	Identification and analysis of a CpG motif that protects turbot (<i>Scophthalmus maximus</i>) against bacterial challenge and enhances vaccine-induced specific immunity. 2010 , 28, 4153-61	47
184	Selective depletion of Foxp3+ regulatory T cells improves effective therapeutic vaccination against established melanoma. 2010 , 70, 7788-99	201
183	Molecular basis of the mucosal immune system: from fundamental concepts to advances in liposome-based vaccines. 2010 , 5, 1617-40	11
182	Translational development of vaccination strategies in follicular NHL. 2011 , 24, 295-304	6
181	An in silico DNA vaccine against <i>Listeria monocytogenes</i> . 2011 , 29, 6948-58	29
180	Remembering Frank Fenner. 2011 , 89, 497-498	1
179	Novel immunostimulatory phosphodiester oligodeoxynucleotides with CpT sequences instead of CpG motifs. 2011 , 48, 1494-504	7

178	Progress towards a needle-free hepatitis B vaccine. 2011 , 28, 986-1012	16
177	Natural killer cell activation by dendritic cells: balancing inhibitory and activating signals. 2011 , 68, 3505-18	50
176	New vistas on TLR9 activation. <i>European Journal of Immunology</i> , 2011 , 41, 2814-6	6.1 6
175	Induction of pro-inflammatory mediators in Plasmodium berghei infected BALB/c mice breaks blood-brain-barrier and leads to cerebral malaria in an IL-12 dependent manner. 2011 , 13, 828-36	21
174	Chromosomal aberrations in chronic lymphocytic leukemia detected by conventional cytogenetics with DSP30 as a single agent: comparison with FISH. 2011 , 35, 1032-8	14
173	B cells do not take up bacterial DNA: an essential role for antigen in exposure of DNA to toll-like receptor-9. 2011 , 89, 517-25	12
172	Mucosal adjuvanticity of fibronectin-binding peptide (FBP) fused with Echinococcus multilocularis tetraspanin 3: systemic and local antibody responses. 2012 , 6, e1842	4
171	Effects of ionizing radiation on the immune system with special emphasis on the interaction of dendritic and T cells. 2012 , 2, 102	80
170	Type I IFN drives a distinctive dendritic cell maturation phenotype that allows continued class II MHC synthesis and antigen processing. 2012 , 188, 3116-26	95
169	T granules in human platelets function in TLR9 organization and signaling. 2012 , 198, 561-74	134
168	Immunogenicity to biologics: mechanisms, prediction and reduction. 2012 , 60, 331-44	76
167	Immunotherapeutic approach with oligodeoxynucleotides containing CpG motifs (CpG-ODN) in malignant glioma. 2012 , 746, 95-108	15
166	Stimulation with a class A CpG oligonucleotide enhances resistance to infection with feline viruses from five different families. 2012 , 43, 60	6
165	Dendritic cell vaccine modified by Ag85A gene enhances anti-tumor immunity against bladder cancer. 2012 , 14, 252-60	15
164	Effect of prophylactically applied CpG ODN on the development of myocarditis in mice infected with Coxsackievirus B3. 2012 , 14, 665-73	4
163	Glioma. 2012 ,	2
162	CXCL10 is critical for the generation of protective CD8 T cell response induced by antigen pulsed CpG-ODN activated dendritic cells. 2012 , 7, e48727	33
161	Strategies to alleviate original antigenic sin responses to influenza viruses. 2012 , 109, 13751-6	60

160	Immunomic Discovery of Adjuvants and Candidate Subunit Vaccines. 2013 ,	1
159	Evaluation of the protective immune response induced in mice by immunization with <i>Schistosoma mansoni</i> schistosomula tegument (Smteg) in association with CpG-ODN. 2013 , 15, 28-36	11
158	Expression of IFN- γ induced by CpG-DNA stimulation in a human myeloid leukemia cell line KG-1. 2013 , 56, 553-558	3
157	CD4 blockade directly inhibits mouse and human CD4(+) T cell functions independent of Foxp3(+) Tregs. 2013 , 47, 73-82	13
156	Combined stimulation of TLR9 and 4.1BB augments Trp2 peptide vaccine-mediated melanoma rejection by increasing Ag-specific CTL activity and infiltration into tumor sites. 2013 , 330, 190-9	25
155	Impact of microbes on autoimmune diseases. 2013 , 61, 175-86	9
154	Enhancement of the Immunity of Piglets to Pseudorabies Vaccine with Plasmids Containing Interleukin-6 Gene and CpG Motifs Encapsulated in Chitosan Nanoparticles. 2013 , 7, 8-14	1
153	What Have Dendritic Cells Ever Done for Adjuvant Design? Cellular and Molecular Methods for the Rational Development of Vaccine Adjuvants. 2013 , 131-154	
152	Gene Expression and Microarray Investigation of Dendrobium Mixture as Progressive Therapy for the Treatment of Type 2 Diabetes Mellitus. 2013 , 12,	2
151	The linkage of innate and adaptive immune response during granulomatous development. 2013 , 4, 10	31
150	CpG and interleukin-15 synergize to enhance IFN- γ production by activated CD8+ T cells. 2013 , 2013, 924023	4
149	Studies on transcription initiated by cauliflower mosaic virus 35S promoter from transgenic crops using fish cell lines (H1NAE, YO-K, RTG-2) and rainbow trout <i>Oncorhynchus mykiss</i> . 2013 , 19, 122-134	3
148	Mucosal immunization: a review of strategies and challenges. 2014 , 31, 273-303	16
147	Dendritic cell-secreted lipocalin2 induces CD8+ T-cell apoptosis, contributes to T-cell priming and leads to a TH1 phenotype. 2014 , 9, e101881	21
146	Gene expression profiles identify both MyD88-independent and MyD88-dependent pathways involved in the maturation of dendritic cells mediated by heparan sulfate: a novel adjuvant. 2014 , 10, 3711-21	9
145	MyD88 signalling in myeloid cells is sufficient to prevent chronic mycobacterial infection. <i>European Journal of Immunology</i> , 2014 , 44, 1399-409	6.1 19
144	Incorporation of CpG into a liposomal vaccine formulation increases the maturation of antigen-loaded dendritic cells and monocytes to improve local and systemic immunity. 2014 , 192, 3666-75	20
143	Diminazene aceturate (Berenil) modulates LPS induced pro-inflammatory cytokine production by inhibiting phosphorylation of MAPKs and STAT proteins. 2014 , 20, 760-73	27

142	The stimulatory effect of different CpG oligonucleotides on the maturation of chicken bone marrow-derived dendritic cells. 2014 , 93, 63-9	13
141	Murine and Human Model Systems for the Study of Dendritic Cell Immunobiology. 2016 , 35, 85-115	6
140	Tumor endothelial marker 1-specific DNA vaccination targets tumor vasculature. 2014 , 124, 1497-511	51
139	Selective and efficient generation of functional Batf3-dependent CD103+ dendritic cells from mouse bone marrow. 2014 , 124, 3081-91	107
138	A TLR9 agonist enhances the anti-tumor immunity of peptide and lipopeptide vaccines via different mechanisms. 2015 , 5, 12578	16
137	Multivalent Polymer Nanocomplex Targeting Endosomal Receptor of Immune Cells for Enhanced Antitumor and Systemic Memory Response. 2015 , 127, 8257-8261	7
136	Multivalent Polymer Nanocomplex Targeting Endosomal Receptor of Immune Cells for Enhanced Antitumor and Systemic Memory Response. 2015 , 54, 8139-43	46
135	Identification of Toxoplasma gondii protein fractions induce immune response against melanoma in mice. 2015 , 123, 800-9	2
134	. 2015 ,	12
133	Insights on Peptide Vaccines in Cancer Immunotherapy. 2015 , 1-27	2
132	Cross talk between Leishmania donovani CpG DNA and Toll-like receptor 9: an immunoinformatics approach. 2015 , 459, 424-9	13
131	Design and Structural Requirements of the Potent and Safe TLR-9 Agonistic Immunomodulator MGN1703. 2015 , 25, 130-40	33
130	Vaccination with Antigen Combined with B ₂ ATP as a Vaccine Adjuvant Enhances Antigen-Specific Antibody Production via Dendritic Cell Activation. 2016 , 39, 1073-6	4
129	Insight into the inhibition mechanism of kukoamine B against CpG DNA via binding and molecular docking analysis. 2016 , 6, 85756-85762	2
128	Association between toll-like receptor polymorphisms and systemic lupus erythematosus: a meta-analysis update. 2016 , 25, 593-601	43
127	Structure, mechanism and therapeutic utility of immunosuppressive oligonucleotides. 2016 , 105, 216-25	20
126	Radiation-enhanced delivery of systemically administered amphiphilic-CpG oligodeoxynucleotide. 2017 , 266, 248-255	18
125	Effect of Calcium Carbonate Encapsulation on the Activity of Orally Administered CpG Oligonucleotides. 2017 , 8, 243-249	6

124	Microneedle-mediated delivery of viral vectored vaccines. 2017 , 14, 1177-1187	3
123	Intrapulmonary Delivery of CpG-ODN Microdroplets Provides Protection Against Escherichia coli Septicemia in Neonatal Broiler Chickens. 2017 , 61, 503-511	10
122	Microparticles and Nanoparticles for Cancer-Targeting Vaccines. 2017 , 171-183	1
121	Characterization of respiratory dendritic cells from equine lung tissues. 2017 , 13, 313	4
120	Synergistic oligodeoxynucleotide strongly promotes CpG-induced interleukin-6 production. 2017 , 18, 44	10
119	Promoting the accumulation of tumor-specific T cells in tumor tissues by dendritic cell vaccines and chemokine-modulating agents. 2018 , 13, 335-357	16
118	Blockade of TNFR2 signaling enhances the immunotherapeutic effect of CpG ODN in a mouse model of colon cancer. 2018 , 11,	35
117	Highly enhanced cancer immunotherapy by combining nanovaccine with hyaluronidase. 2018 , 171, 198-206	63
116	Enhanced immune response induced by P5 HER2/neu-derived peptide-pulsed dendritic cells as a preventive cancer vaccine. 2018 , 22, 558-567	15
115	Extending antigen release from particulate vaccines results in enhanced antitumor immune response. 2018 , 269, 393-404	17
114	A safe and highly efficient tumor-targeted type I interferon immunotherapy depends on the tumor microenvironment. 2018 , 7, e1398876	28
113	Dendritic cell vaccine with Ag85A enhances anti-colorectal carcinoma immunity. 2018 , 16, 5123-5129	1
112	CpG ODN1826 as a Promising Mucin1-Maltose-Binding Protein Vaccine Adjuvant Induced DC Maturation and Enhanced Antitumor Immunity. 2018 , 19,	17
111	The STING activator c-di-AMP exerts superior adjuvant properties than the formulation poly(I:C)/CpG after subcutaneous vaccination with soluble protein antigen or DEC-205-mediated antigen targeting to dendritic cells. 2019 , 37, 4963-4974	16
110	Cooperation of Oligodeoxynucleotides and Synthetic Molecules as Enhanced Immune Modulators. 2019 , 6, 140	10
109	CpG enhances the immunogenicity of heterologous DNA-prime/protein-boost vaccination with the heavy chain myosin of <i>Brugia malayi</i> in BALB/c mice. 2019 , 118, 1943-1952	4
108	A Characterization of Dendritic Cells and Their Role in Immunotherapy in Glioblastoma: From Preclinical Studies to Clinical Trials. <i>Cancers</i> , 2019 , 11,	6.6 30
107	Nucleic Acid-Based Functional Nanomaterials as Advanced Cancer Therapeutics. 2019 , 15, e1900172	43

106	Triggers of Autoimmunity: The Role of Bacterial Infections in the Extracellular Exposure of Lupus Nuclear Autoantigens. 2019 , 10, 2608	43
105	Metal-Organic Framework Nanoparticles for Ameliorating Breast Cancer-Associated Osteolysis. 2020 , 20, 829-840	34
104	Oral priming with oligodeoxynucleotide particles from <i>Lactobacillus rhamnosus</i> GG attenuates symptoms of dextran sodium sulfate-induced acute colitis in mice. 2020 , 91, e13468	3
103	Toll-Like Receptor Agonists and Radiation Therapy Combinations: An Untapped Opportunity to Induce Anticancer Immunity and Improve Tumor control. 2020 , 108, 27-37	6
102	CpG-ODN Induces a Dose-Dependent Enrichment of Immunological Niches in the Spleen and Lungs of Neonatal Chicks That Correlates with the Protective Immunity against. 2020 , 2020, 2704728	2
101	Self-Assembled DNA Nanostructures-Based Nanocarriers Enabled Functional Nucleic Acids Delivery.. 2020 , 3, 2779-2795	10
100	Novel Toll-Like Receptor 9 Agonist Derived from <i>Cryptococcus neoformans</i> Attenuates Allergic Inflammation Leading to Asthma Onset in Mice. 2020 , 181, 651-664	2
99	A self-designed CpG ODN enhanced the anti-melanoma effect of pimozide. 2020 , 83, 106397	3
98	Emerging role of microbiota in immunomodulation and cancer immunotherapy. 2021 , 70, 37-52	3
97	Dendritic cells in COVID-19 immunopathogenesis: insights for a possible role in determining disease outcome. 2021 , 40, 108-125	24
96	CpG Adjuvant in Allergen-Specific Immunotherapy: Finding the Sweet Spot for the Induction of Immune Tolerance. 2021 , 12, 590054	5
95	The role of bacterial DNA containing CpG motifs in diseases. 2021 , 109, 991-998	1
94	CpG Oligonucleotides as Vaccine Adjuvants. 2021 , 2197, 51-85	16
93	Mechanism for Recognition of CpG DNA. 2006 , 69-86	2
92	CpG ODN As a Th1 Immune Enhancer for Prophylactic and Therapeutic Vaccines. 2006 , 87-110	4
91	Mechanisms of immune stimulation by bacterial DNA. 2001 , 21-33	1
90	Multiple effects of immunostimulatory DNA on T cells and the role of type I interferons. 2001 , 77-84	1
89	T cell activation and polarization by DC1 and DC2. 2000 , 251, 149-59	42

88	Bacterial CpG-DNA licenses TLR9. 2002 , 270, 145-54	47
87	Mechanism of action of CpG DNA. 2000 , 247, 1-21	73
86	CpG DNA in cancer immunotherapy. 2000 , 247, 157-70	15
85	Immunostimulatory-sequence DNA is an effective mucosal adjuvant. 2000 , 247, 185-98	4
84	Responses of human B cells to DNA and phosphorothioate oligodeoxynucleotides. 2000 , 247, 227-40	8
83	Oligodeoxyribonucleotides with 5PACGT-3P or 5PTCGA-3P sequence induce production of interferons. 2000 , 247, 23-39	14
82	Macrophage activation by immunostimulatory DNA. 2000 , 247, 41-58	43
81	Consequences of bacterial CpG DNA-driven activation of antigen-presenting cells. 2000 , 247, 59-75	6
80	Role of type I interferons in T cell activation induced by CpG DNA. 2000 , 247, 107-17	14
79	Hematopoietic remodeling triggered by CpG DNA. 2000 , 247, 119-29	9
78	CpG DNA augments the immunogenicity of plasmid DNA vaccines. 2000 , 247, 131-42	20
77	Dendritic cell-based immunotherapy. 2003 , 276, 163-97	23
76	Transcription factors in the control of dendritic cell life cycle. 2007 , 37, 79	1
75	Dendritic cells as recipients of cytokine signals. 2001 , 187-202	2
74	Dendritic cells and autoimmunity. 2001 , 459-cp1	1
73	Molecular Biology of the Host-Microbe Interaction in Periodontal Diseases. 2012 , 285-293	3
72	Interactions between Salmonella and dendritic cells: what happens along the way?. 279-298	1
71	Costimulation via lymphocyte function-associated antigen 1 in the absence of CD28 ligation promotes anergy of naive CD4+ T cells. 2001 , 98, 241-6	24

70	Immunostimulatory DNA as an adjuvant in vaccination against <i>Leishmania major</i> . 1999 , 67, 3719-26	120
69	Dissecting the immune response to moloney murine sarcoma/leukemia virus-induced tumors by means of a DNA vaccination approach. 1999 , 73, 2280-7	13
68	CpG-containing oligonucleotides are efficient adjuvants for induction of protective antiviral immune responses with T-cell peptide vaccines. 1999 , 73, 4120-6	98
67	Enhancing DNA vaccine potency by coadministration of DNA encoding antiapoptotic proteins. 2003 , 112, 109-17	63
66	Activation of antigen-presenting cells by microbial products breaks self tolerance and induces autoimmune disease. 2004 , 113, 990-7	136
65	Enhancing DNA vaccine potency by coadministration of DNA encoding antiapoptotic proteins. 2003 , 112, 109-117	135
64	TLR9 regulates the mycobacteria-elicited pulmonary granulomatous immune response in mice through DC-derived Notch ligand delta-like 4. 2009 , 119, 33-46	93
63	The immunobiology and clinical potential of immunostimulatory CpG oligodeoxynucleotides. 2000 , 68, 455-463	24
62	CpG-containing oligodeoxynucleotides induce TNF- α and IL-6 production but not degranulation from murine bone marrow-derived mast cells. 2001 , 69, 253-262	10
61	CD8 α^+ and CD8 β^+ subclasses of dendritic cells undergo phenotypic and functional maturation in vitro and in vivo. 2001 , 69, 951-958	19
60	Muramyl dipeptide-Lys stimulates the function of human dendritic cells. 2001 , 70, 723-729	5
59	Toll-like receptor 9 mediates CpG-DNA signaling. 2002 , 71, 538-544	44
58	Differential and competitive activation of human immune cells by distinct classes of CpG oligodeoxynucleotide. 2002 , 71, 813-820	52
57	CpG-DNA stimulates cellular and humoral immunity and promotes Th1 differentiation in aged BALB/c mice. 2002 , 72, 447-454	6
56	CpG-DNA-induced IFN- α production involves p38 MAPK-dependent STAT1 phosphorylation in human plasmacytoid dendritic cell precursors. 2002 , 72, 1011-1019	26
55	Modulation of antibody responses against <i>Gnathostoma spinigerum</i> in mice immunized with crude antigen formulated in CpG oligonucleotide and montanide ISA720. 2013 , 51, 637-44	1
54	CpG oligonucleotides as immune adjuvants. 2000 , 105-18	2
53	CpG DNA co-stimulates antigen-reactive T cells. 2000 , 247, 93-105	1

52 The role of CpG in DNA vaccines. **2001**, 125-132

51 Systematic Modulation of Immune Responses by CpG DNA. **2001**, 201-218

50 Introduction to immunostimulatory DNA sequences. **2001**, 1-9

49 The response of human B lymphocytes to oligodeoxynucleotides. **2001**, 63-75

48 The role of immunostimulatory CpG-DNA in septic shock. **2001**, 167-171

47 Mucosal adjuvanticity of immunostimulatory DNA sequences. **2001**, 133-146

46 Pre-priming: a novel approach to DNA-based vaccination and immunomodulation. **2001**, 85-96

45 Immunostimulatory DNA sequences help to eradicate intracellular pathogens. **2001**, 147-152

44 Immunostimulatory DNA sequences and cancer therapy. **2001**, 107-116

43 Rescue of B cells from apoptosis by immune stimulatory CpG DNA. **2001**, 55-61

42 Activation of skin dendritic cells by immunostimulatory DNA. **2001**, 45-54

41 Introduction to Dendritic Cells. **2002**, 167-177

40 Development and Inhibition of Th2 Responses. **2002**, 247-291

39 Induction of B Cells by DNA Vaccines. **2003**, 66-81

38 Plasmid DNA Mediated Gene Therapy. **2003**, 641-667

1

37 Dendritic Cells: Important Adjuvants During DNA Vaccination. **2003**, 39-59

1

36 Sustaining Transgene Expression in Vivo. **2003**,

35 Effects of CpG Oligodeoxynucleotides on Immune Responses and Expression of Cytokine Genes in Cultured Olive Flounder *Paralichthys olivaceus*. **2007**, 10, 1-7

34	Natural DNA Recognition by Toll-Like Receptor 9 Does Not Rely upon CpG Motifs. 2008 , 77-83		
33	Use of CpG ODNs in Aquaculture. 2009 , 131-144		
32	Optimized Systemic Dosing with CpG DNA Enhances Dendritic Cell-Mediated Rejection of a Poorly Immunogenic Mammary Tumor in BALB/c Mice. 2009 ,		
31	Immune Adjuvants. 2009 , 627-652		
30	Transplantation Immunobiology. 2009 , 1835-1866		1
29	Modulation and Regulation of Gene Expression by CpG Oligonucleotides. 2010 , 191-208		
28	The effects of lactic acid bacteria-fermented soymilk extract on patients with colonic polyps: a randomized, double-blind, placebo-controlled pilot trial. 2014 , 25, 20-25		1
27	Immune Pathways Used in Nucleic Acid Vaccination. 1999 , 379-408		0
26	Toll-Like Receptors: Novel Molecular Targets for Antiviral Immunotherapy. 333-346		
25	Immunology of Pediatric Renal Transplantation. 2015 , 1-51		
24	Intradermal Vaccination. 71-95		
23	Immunology of Pediatric Renal Transplantation. 2016 , 2457-2500		
22	IMMUNOTHERAPY BASED ON DENDRITIC CELLS IN BLADDER CANCER TREATMENT. 2018 , 5, 16-23		
21	The role of immunostimulatory nucleic acids in septic shock. 2012 , 5, 1-23		9
20	[Chromosomal aberrations detection in chronic lymphocytic leukemia by conventional cytogenetics using DSP30 and IL-2]. <i>Zhonghua Xue Ye Xue Za Zhi = Zhonghua Xueyexue Zazhi</i> , 2020 , 41, 143-148	0.4	0
19	Association of Viral Infection With the Development and Pathogenesis of Systemic Lupus Erythematosus.. <i>Frontiers in Medicine</i> , 2022 , 9, 849120	4.9	2
18	Approaches of the Innate Immune System to Ameliorate Adaptive Immunotherapy for B-Cell Non-Hodgkin Lymphoma in Their Microenvironment.. <i>Cancers</i> , 2021 , 14,	6.6	2
17	Bioinorganic Chemistry of Zinc in relation to the Immune system. <i>ChemBioChem</i> , 2021 ,	3.8	0

16	Activation of Dendritic Cells and Induction of T Cell Responses by Hpv 16 L1/E7 Chimeric Virus-Like Particles are Enhanced by Cpg ODN or Sorbitol. <i>Antiviral Therapy</i> , 2004 , 9, 479-489	1.6	13
15	Potential of a Dendritic Cell Vaccine for Murine Renal Cell Carcinoma by CpG Oligonucleotides. <i>Clinical Cancer Research</i> , 2005 , 11, 1302-1311	12.9	3
14	Multi-step screening of DNA/lipid nanoparticles and co-delivery with siRNA to enhance and prolong gene expression. <i>Nature Communications</i> , 2022 , 13,	17.4	1
13	TLR9 signaling activation via direct ligation and its functional consequences in CD4 +T cells.		
12	Inhibition of murine dendritic cell activation by synthetic phosphorothioate oligodeoxynucleotides. 2002 , 72, 1154-1163		8
11	Enhancing anti-tumour innate immunity by targeting the DNA damage response and pattern recognition receptors in combination with radiotherapy. 12,		0
10	Antibiotic-Free Nanoplasmids as Promising Alternatives for Conventional DNA Vectors. 2022 , 10, 1710		0
9	Lung dendritic cells and host immunity to infection. 2001 , 18, 692-704		24
8	CpG Oligodeoxynucleotides Can Circumvent the Th2 Polarization of Neonatal Responses to Vaccines But May Fail to Fully Redirect Th2 Responses Established by Neonatal Priming. 1999 , 162, 1611-1617		39
7	Immunostimulatory CpG-Oligodeoxynucleotides Cause Extramedullary Murine Hemopoiesis. 1999 , 162, 2368-2374		15
6	CpG Oligodeoxynucleotides Down-Regulate Macrophage Class II MHC Antigen Processing. 1999 , 163, 1188-1194		18
5	Polyriboinosinic Polyribocytidylic Acid (Poly(I:C)) Induces Stable Maturation of Functionally Active Human Dendritic Cells. 1999 , 163, 57-61		27
4	Priming MHC-I-Restricted Cytotoxic T Lymphocyte Responses to Exogenous Hepatitis B Surface Antigen Is CD4+ T Cell Dependent. 1999 , 163, 1880-1887		12
3	Cutting Edge: Bacterial DNA and LPS Act in Synergy in Inducing Nitric Oxide Production in RAW 264.7 Macrophages. 1999 , 163, 4095-4099		12
2	Bacterial/CpG DNA Down-Modulates Colony Stimulating Factor-1 Receptor Surface Expression on Murine Bone Marrow-Derived Macrophages with Concomitant Growth Arrest and Factor-Independent Survival. 1999 , 163, 6541-6550		18
1	DNA/DMXAA/Metal-Organic Framework Activator of Innate Immunity for Boosting Anticancer Immunity. 2210440		0