

# Jan Holmgren

## List of Publications by Year in Descending Order

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

203  
papers

12,342  
citations

60  
h-index

106  
g-index

211  
ext. papers

13,436  
ext. citations

6.9  
avg, IF

6.13  
L-index

#	Paper	IF	Citations
203	An Update on Cholera Immunity and Current and Future Cholera Vaccines. <i>Tropical Medicine and Infectious Disease</i> , <b>2021</b> , 6,	3.5	3
202	A phase I/II study to evaluate safety, tolerability and immunogenicity of Hillchol <sup>®</sup> , an inactivated single Hikojima strain based oral cholera vaccine, in a sequentially age descending population in Bangladesh. <i>Vaccine</i> , <b>2021</b> , 39, 4450-4457	4.1	1
201	Immune responses against oxidized LDL as possible targets for prevention of atherosclerosis in systemic lupus erythematosus. <i>Vascular Pharmacology</i> , <b>2021</b> , 140, 106863	5.9	0
200	Cholera Immunity and Development and Use of Oral Cholera Vaccines for Disease Control <b>2020</b> , 537-561		
199	Development of Hillchol <sup>®</sup> , a low-cost inactivated single strain Hikojima oral cholera vaccine. <i>Vaccine</i> , <b>2020</b> , 38, 7998-8009	4.1	5
198	Requirement for Cyclic AMP/Protein Kinase A-Dependent Canonical NF $\kappa$ B Signaling in the Adjuvant Action of Cholera Toxin and Its Non-toxic Derivative mmCT. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 269	8.4	4
197	Alpha-galactosylceramide enhances mucosal immunity to oral whole-cell cholera vaccines. <i>Mucosal Immunology</i> , <b>2019</b> , 12, 1055-1064	9.2	10
196	An oral alpha-galactosylceramide adjuvanted vaccine induces protective IL-1R- and IL-17R-dependent Th1 responses. <i>Npj Vaccines</i> , <b>2019</b> , 4, 45	9.5	11
195	Adjuvants Enhance the Induction of Germinal Center and Antibody Secreting Cells in Spleen and Their Persistence in Bone Marrow of Neonatal Mice. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2214	8.4	6
194	Proteomic analysis of cholera toxin adjuvant-stimulated human monocytes identifies Thrombospondin-1 and Integrin- $\alpha$ 1 as strongly upregulated molecules involved in adjuvant activity. <i>Scientific Reports</i> , <b>2019</b> , 9, 2812	4.9	3
193	Preclinical immunogenicity and protective efficacy of an oral Helicobacter pylori inactivated whole cell vaccine and multiple mutant cholera toxin: A novel and non-toxic mucosal adjuvant. <i>Vaccine</i> , <b>2018</b> , 36, 6223-6230	4.1	16
192	B cells treated with CTB-p210 acquire a regulatory phenotype in vitro and reduce atherosclerosis in apolipoprotein E deficient mice. <i>Vascular Pharmacology</i> , <b>2018</b> , 111, 54-61	5.9	4
191	Cholera Vaccines <b>2018</b> , 185-197.e5		
190	Diarrhea Caused by Bacteria <b>2018</b> , 252-260.e4		
189	Surface expression of Helicobacter pylori HpaA adhesion antigen on Vibrio cholerae, enhanced by co-expressed enterotoxigenic Escherichia coli fimbrial antigens. <i>Microbial Pathogenesis</i> , <b>2017</b> , 105, 177-184	3.8	11
188	Correlates of protection for enteric vaccines. <i>Vaccine</i> , <b>2017</b> , 35, 3355-3363	4.1	34
187	Cholera. <i>Lancet, The</i> , <b>2017</b> , 390, 1539-1549	40	188

186	Thermostability of the coating, antigen and immunostimulator in an adjuvanted oral capsule vaccine formulation. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 534, 60-70	6.5	5
185	Deficiency in Calcium-Binding Protein S100A4 Impairs the Adjuvant Action of Cholera Toxin. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1119	8.4	10
184	Retrospective Analysis of Serotype Switching of <i>Vibrio cholerae</i> O1 in a Cholera Endemic Region Shows It Is a Non-random Process. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0005044	4.8	12
183	Construction and preclinical evaluation of mmCT, a novel mutant cholera toxin adjuvant that can be efficiently produced in genetically manipulated <i>Vibrio cholerae</i> . <i>Vaccine</i> , <b>2016</b> , 34, 2121-8	4.1	21
182	A novel adjuvanted capsule based strategy for oral vaccination against infectious diarrhoeal pathogens. <i>Journal of Controlled Release</i> , <b>2016</b> , 233, 162-73	11.7	24
181	Preparation and preclinical evaluation of a freeze-dried formulation of a novel combined multivalent whole-cell/B-subunit oral vaccine against enterotoxigenic <i>Escherichia coli</i> diarrhea. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2016</b> , 108, 18-24	5.7	7
180	Cholera toxin, and the related nontoxic adjuvants mmCT and dmLT, promote human Th17 responses via cyclic AMP-protein kinase A and inflammasome-dependent IL-1 signaling. <i>Journal of Immunology</i> , <b>2015</b> , 194, 3829-39	5.3	50
179	<i>Helicobacter pylori</i> Infection of the Gastric Mucosa <b>2015</b> , 985-1001		4
178	Vaccines against Bacterial Enteric Infections <b>2015</b> , 1047-1082		1
177	Vaccines against enteric infections for the developing world. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 370,	5.8	43
176	Cholera toxin expression by El Tor <i>Vibrio cholerae</i> in shallow culture growth conditions. <i>Microbial Pathogenesis</i> , <b>2014</b> , 66, 5-13	3.8	20
175	Safety and immunogenicity of an improved oral inactivated multivalent enterotoxigenic <i>Escherichia coli</i> (ETEC) vaccine administered alone and together with dmLT adjuvant in a double-blind, randomized, placebo-controlled Phase I study. <i>Vaccine</i> , <b>2014</b> , 32, 7077-84	4.1	89
174	When, how, and where can oral cholera vaccines be used to interrupt cholera outbreaks?. <i>Current Topics in Microbiology and Immunology</i> , <b>2014</b> , 379, 231-58	3.3	17
173	Vibriocidal antibody responses to a bivalent killed whole-cell oral cholera vaccine in a phase III trial in Kolkata, India. <i>PLoS ONE</i> , <b>2014</b> , 9, e96499	3.7	13
172	Development of stable <i>Vibrio cholerae</i> O1 Hikojima type vaccine strains co-expressing the Inaba and Ogawa lipopolysaccharide antigens. <i>PLoS ONE</i> , <b>2014</b> , 9, e108521	3.7	23
171	5 year efficacy of a bivalent killed whole-cell oral cholera vaccine in Kolkata, India: a cluster-randomised, double-blind, placebo-controlled trial. <i>Lancet Infectious Diseases</i> , <b>2013</b> , 13, 1050-6	25.5	166
170	A double mutant heat-labile toxin from <i>Escherichia coli</i> , LT(R192G/L211A), is an effective mucosal adjuvant for vaccination against <i>Helicobacter pylori</i> infection. <i>Infection and Immunity</i> , <b>2013</b> , 81, 1532-40	3.7	59
169	Important role for FcRIIB on B lymphocytes for mucosal antigen-induced tolerance and Foxp3+ regulatory T cells. <i>Journal of Immunology</i> , <b>2013</b> , 191, 4412-22	5.3	15

168	A case for control of cholera in Africa by vaccination. <i>Lancet Infectious Diseases, The</i> , <b>2012</b> , 12, 818-9	25.5	6
167	Mucosal vaccination increases local chemokine production attracting immune cells to the stomach mucosa of <i>Helicobacter pylori</i> infected mice. <i>Vaccine</i> , <b>2012</b> , 30, 1636-43	4.1	16
166	Vaccines against mucosal infections. <i>Current Opinion in Immunology</i> , <b>2012</b> , 24, 343-53	7.8	108
165	Effect of protein release rates from tablet formulations on the immune response after sublingual immunization. <i>European Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 47, 695-700	5.1	14
164	Detection of human papillomavirus oncoprotein E7 in liquid-based cytology. <i>Journal of General Virology</i> , <b>2012</b> , 93, 356-363	4.9	4
163	B lymphocytes treated in vitro with antigen coupled to cholera toxin B subunit induce antigen-specific Foxp3(+) regulatory T cells and protect against experimental autoimmune encephalomyelitis. <i>Journal of Immunology</i> , <b>2012</b> , 188, 1686-97	5.3	31
162	Sublingual vaccination. <i>Hum Vaccin</i> , <b>2011</b> , 7, 110-4		47
161	New-generation vaccines against cholera. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2011</b> , 8, 701-10	24.2	49
160	Preparation and evaluation of a freeze-dried oral killed cholera vaccine formulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2011</b> , 79, 508-18	5.7	12
159	A truncated form of HpaA is a promising antigen for use in a vaccine against <i>Helicobacter pylori</i> . <i>Vaccine</i> , <b>2011</b> , 29, 1235-41	4.1	46
158	Construction of novel vaccine strains of <i>Vibrio cholerae</i> co-expressing the Inaba and Ogawa serotype antigens. <i>Vaccine</i> , <b>2011</b> , 29, 7505-13	4.1	20
157	Construction of a non-toxigenic <i>Escherichia coli</i> oral vaccine strain expressing large amounts of CS6 and inducing strong intestinal and serum anti-CS6 antibody responses in mice. <i>Vaccine</i> , <b>2011</b> , 29, 8863-9	4.1	23
156	Impaired IFN- $\gamma$ production after stimulation with bacterial components by natural killer cells from gastric cancer patients. <i>Experimental Cell Research</i> , <b>2011</b> , 317, 849-58	4.2	21
155	Evidence for several waves of global transmission in the seventh cholera pandemic. <i>Nature</i> , <b>2011</b> , 477, 462-5	50.4	492
154	The subcellular location of antigen expressed by adenoviral vectors modifies adaptive immunity but not dependency on cross-presenting dendritic cells. <i>European Journal of Immunology</i> , <b>2011</b> , 41, 2185-96	6.1	3
153	Efficacy of a low-cost, inactivated whole-cell oral cholera vaccine: results from 3 years of follow-up of a randomized, controlled trial. <i>PLoS Neglected Tropical Diseases</i> , <b>2011</b> , 5, e1289	4.8	117
152	Cholera toxin - a foe & a friend. <i>Indian Journal of Medical Research</i> , <b>2011</b> , 133, 153-63	2.9	70
151	Ten years of the Global Alliance for Vaccines and Immunization: challenges and progress. <i>Nature Immunology</i> , <b>2010</b> , 11, 1069-72	19.1	36

150	Sublingual immunization protects against <i>Helicobacter pylori</i> infection and induces T and B cell responses in the stomach. <i>Infection and Immunity</i> , <b>2010</b> , 78, 4251-60	3.7	52
149	Intranasal immunization with an apolipoprotein B-100 fusion protein induces antigen-specific regulatory T cells and reduces atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 946-52	9.4	153
148	CD8- natural killer cells are greatly enriched in the human gastrointestinal tract and have the capacity to respond to bacteria. <i>Journal of Innate Immunity</i> , <b>2010</b> , 2, 294-302	6.9	15
147	Over-expression of major colonization factors of enterotoxigenic <i>Escherichia coli</i> , alone or together, on non-toxicogenic <i>E. coli</i> bacteria. <i>Vaccine</i> , <b>2010</b> , 28, 6977-84	4.1	20
146	Construction and expression of immunogenic hybrid enterotoxigenic <i>Escherichia coli</i> CFA/I and CS2 colonization fimbriae for use in vaccines. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 1355-65	5.7	13
145	CD11c(high) dendritic cells are essential for activation of CD4+ T cells and generation of specific antibodies following mucosal immunization. <i>Journal of Immunology</i> , <b>2009</b> , 183, 5032-41	5.3	51
144	IMMUNODIFFUSION STUDIES ON <i>ESCHERICHIA COLI</i> . <i>Acta Pathologica Et Microbiologica Scandinavica</i> , <b>2009</b> , 76, 304-318		38
143	IMMUNODIFFUSION STUDIES ON <i>ESCHERICHIA COLI</i> . <i>Acta Pathologica Et Microbiologica Scandinavica</i> , <b>2009</b> , 77, 727-738		7
142	QUANTISATION OF VIBRIOCIDAL ANTIBODIES USING AGAR PLAQUE TECHNIQUES. <i>Acta Pathologica Et Microbiologica Scandinavica - Section B Microbiology and Immunology</i> , <b>2009</b> , 79B, 708-714		
141	Sublingual immunization with nonreplicating antigens induces antibody-forming cells and cytotoxic T cells in the female genital tract mucosa and protects against genital papillomavirus infection. <i>Journal of Immunology</i> , <b>2009</b> , 183, 7851-9	5.3	80
140	Robust gut associated vaccine-specific antibody-secreting cell responses are detected at the mucosal surface of Bangladeshi subjects after immunization with an oral killed bivalent <i>V. cholerae</i> O1/O139 whole cell cholera vaccine: comparison with other mucosal and systemic responses. <i>Vaccine</i> , <b>2009</b> , 27, 1386-92	4.1	26
139	Induction of protective immunity by vaccination against <i>Chlamydia trachomatis</i> using the major outer membrane protein adjuvanted with CpG oligodeoxynucleotide coupled to the nontoxic B subunit of cholera toxin. <i>Vaccine</i> , <b>2009</b> , 27, 6239-46	4.1	28
138	Immune responses following one and two doses of the reformulated, bivalent, killed, whole-cell, oral cholera vaccine among adults and children in Kolkata, India: a randomized, placebo-controlled trial. <i>Vaccine</i> , <b>2009</b> , 27, 6887-93	4.1	66
137	<i>Vibrio cholerae</i> O139 capsular polysaccharide confers complement resistance in the absence or presence of antibody yet presents a productive target for cell lysis: implications for detection of bactericidal antibodies. <i>Microbial Pathogenesis</i> , <b>2009</b> , 47, 314-20	3.8	6
136	Efficacy and safety of a modified killed-whole-cell oral cholera vaccine in India: an interim analysis of a cluster-randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , <b>2009</b> , 374, 1694-702	4.0	192
135	Phage display for site-specific immunization and characterization of high-risk human papillomavirus specific E7 monoclonal antibodies. <i>Journal of Immunological Methods</i> , <b>2008</b> , 337, 88-96	2.5	6
134	Murine antibody responses following systemic or mucosal immunization with viable or inactivated <i>Vibrio cholerae</i> . <i>Vaccine</i> , <b>2008</b> , 26, 6784-90	4.1	23
133	B lymphocytes promote expansion of regulatory T cells in oral tolerance: powerful induction by antigen coupled to cholera toxin B subunit. <i>Journal of Immunology</i> , <b>2008</b> , 181, 8278-87	5.3	119

132	Suppression of HIV replication in vitro by CpG and CpG conjugated to the non toxic B subunit of cholera toxin. <i>Current HIV Research</i> , <b>2008</b> , 6, 230-8	1.3	5
131	Vaccine Protection of Bangladeshi infants and young children against cholera: implications for vaccine deployment and person-to-person transmission. <i>Pediatric Infectious Disease Journal</i> , <b>2008</b> , 27, 33-7	3.4	33
130	A randomized, placebo-controlled trial of the bivalent killed, whole-cell, oral cholera vaccine in adults and children in a cholera endemic area in Kolkata, India. <i>PLoS ONE</i> , <b>2008</b> , 3, e2323	3.7	94
129	Cholera Immunity and Cholera Vaccination <b>2008</b> , 173-194		0
128	Broad up-regulation of innate defense factors during acute cholera. <i>Infection and Immunity</i> , <b>2007</b> , 75, 2343-50	3.7	60
127	Safety and immunogenicity of a reformulated Vietnamese bivalent killed, whole-cell, oral cholera vaccine in adults. <i>Vaccine</i> , <b>2007</b> , 25, 1149-55	4.1	82
126	Response to "questionable merits of the field trial of an oral killed whole cell cholera vaccine in Vietnam during 1998-2003" <i>Vaccine</i> 2007;25(8):1353-4. <i>Vaccine</i> , <b>2007</b> , 25, 7981-3	4.1	
125	Sublingual immunization induces broad-based systemic and mucosal immune responses in mice. <i>Vaccine</i> , <b>2007</b> , 25, 8598-610	4.1	157
124	Differential expression of intestinal membrane transporters in cholera patients. <i>FEBS Letters</i> , <b>2007</b> , 581, 3183-8	3.8	29
123	Oral tolerance induction with antigen conjugated to cholera toxin B subunit generates both Foxp3+CD25+ and Foxp3-CD25- CD4+ regulatory T cells. <i>Journal of Immunology</i> , <b>2006</b> , 177, 7634-44	5.3	93
122	Phase I evaluation of intranasal trivalent inactivated influenza vaccine with nontoxigenic Escherichia coli enterotoxin and novel biovector as mucosal adjuvants, using adult volunteers. <i>Journal of Virology</i> , <b>2006</b> , 80, 4962-70	6.6	94
121	Novel immunostimulatory agent based on CpG oligodeoxynucleotide linked to the nontoxic B subunit of cholera toxin. <i>Journal of Immunology</i> , <b>2006</b> , 176, 4902-13	5.3	26
120	Cholera due to altered El Tor strains of Vibrio cholerae O1 in Bangladesh. <i>Journal of Clinical Microbiology</i> , <b>2006</b> , 44, 4211-3	9.7	197
119	Dendritic cell-mediated induction of mucosal cytotoxic responses following intravaginal immunization with the nontoxic B subunit of cholera toxin. <i>Journal of Immunology</i> , <b>2006</b> , 176, 2749-57	5.3	53
118	Mucosal adjuvants based on cholera toxin and E. coli heat-labile enterotoxin <b>2006</b> , 235-252		3
117	CpG oligodeoxynucleotides and mobilization of innate mucosal immunity: tasks and tactics. <i>Vaccine</i> , <b>2006</b> , 24 Suppl 2, S2-48-9	4.1	5
116	Long-term effectiveness against cholera of oral killed whole-cell vaccine produced in Vietnam. <i>Vaccine</i> , <b>2006</b> , 24, 4297-303	4.1	61
115	Oral tolerance induction by mucosal administration of cholera toxin B-coupled antigen involves T-cell proliferation in vivo and is not affected by depletion of CD25+ T cells. <i>Immunology</i> , <b>2006</b> , 118, 311-20	7.8	19

114	Engineered bacterial toxin vaccines and adjuvants <b>2006</b> , 1008-1018		
113	Herd immunity conferred by killed oral cholera vaccines in Bangladesh: a reanalysis. <i>Lancet, The</i> , <b>2005</b> , 366, 44-9	4.0	259
112	CD4+CD25+ suppressor T cells regulate pathogen induced inflammation and disease. <i>FEMS Immunology and Medical Microbiology</i> , <b>2005</b> , 44, 121-7		56
111	Mucosal adjuvants and anti-infection and anti-immunopathology vaccines based on cholera toxin, cholera toxin B subunit and CpG DNA. <i>Immunology Letters</i> , <b>2005</b> , 97, 181-8	4.1	138
110	Mucosal immunity and vaccines. <i>Nature Medicine</i> , <b>2005</b> , 11, S45-53	50.5	1062
109	CpG oligodeoxynucleotide augments HSV-2 glycoprotein D DNA vaccine efficacy to generate T helper 1 response and subsequent protection against primary genital herpes infection in mice. <i>Journal of Reproductive Immunology</i> , <b>2005</b> , 68, 53-69	4.2	15
108	Virulence factors, pathogenesis and vaccine protection in cholera and ETEC diarrhea. <i>Current Opinion in Immunology</i> , <b>2005</b> , 17, 388-98	7.8	116
107	Cholera Toxin Induces a Transient Depletion of CD8+ Intraepithelial Lymphocytes in the Rat Small Intestine as Detected by Microarray and Immunohistochemistry. <i>Infection and Immunity</i> , <b>2005</b> , 73, 7788-7788	3.7	78
106	Cholera toxin induces a transient depletion of CD8+ intraepithelial lymphocytes in the rat small intestine as detected by microarray and immunohistochemistry. <i>Infection and Immunity</i> , <b>2005</b> , 73, 5595-602	3.7	10
105	Natural killer cells and Helicobacter pylori infection: bacterial antigens and interleukin-12 act synergistically to induce gamma interferon production. <i>Infection and Immunity</i> , <b>2005</b> , 73, 1482-90	3.7	53
104	Mucosal Immunity to Bacteria <b>2005</b> , 783-797		7
103	Current status and future prospects for a vaccine against schistosomiasis. <i>Expert Review of Vaccines</i> , <b>2004</b> , 3, 315-28	5.2	31
102	Development of pathogenicity-driven definitions of outcomes for a field trial of a killed oral vaccine against enterotoxigenic Escherichia coli in Egypt: application of an evidence-based method. <i>Journal of Infectious Diseases</i> , <b>2004</b> , 189, 2299-307	7	29
101	Intranasal immunization of mice with group B streptococcal protein rib and cholera toxin B subunit confers protection against lethal infection. <i>Infection and Immunity</i> , <b>2004</b> , 72, 1184-7	3.7	23
100	Coupling of antigen to cholera toxin for dendritic cell vaccination promotes the induction of MHC class I-restricted cytotoxic T cells and the rejection of a cognate antigen-expressing model tumor. <i>European Journal of Immunology</i> , <b>2004</b> , 34, 1272-81	6.1	25
99	In vivo adjuvant-induced mobilization and maturation of gut dendritic cells after oral administration of cholera toxin. <i>Journal of Immunology</i> , <b>2004</b> , 173, 5103-11	5.3	80
98	Expression of cholera toxin under non-AKI conditions in Vibrio cholerae El Tor induced by increasing the exposed surface of cultures. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 1355-61	3.5	16
97	CpG DNA as a potent inducer of mucosal immunity: implications for immunoprophylaxis and immunotherapy of mucosal infections. <i>Current Opinion in Investigational Drugs</i> , <b>2004</b> , 5, 141-5		20

96	Mucosal adjuvants and anti-infection and anti-immunopathology vaccines based on cholera toxin, cholera toxin B subunit and CpG DNA. <i>Expert Review of Vaccines</i> , <b>2003</b> , 2, 205-17	5.2	53
95	A protective role of locally administered immunostimulatory CpG oligodeoxynucleotide in a mouse model of genital herpes infection. <i>Journal of Virology</i> , <b>2003</b> , 77, 953-62	6.6	134
94	Prevention of mucosally induced uveitis with a HSP60-derived peptide linked to cholera toxin B subunit. <i>European Journal of Immunology</i> , <b>2003</b> , 33, 224-32	6.1	63
93	A mucosally administered recombinant fusion protein vaccine against schistosomiasis protecting against immunopathology and infection. <i>Vaccine</i> , <b>2003</b> , 21, 514-20	4.1	26
92	Mucosal immunisation and adjuvants: a brief overview of recent advances and challenges. <i>Vaccine</i> , <b>2003</b> , 21 Suppl 2, S89-95	4.1	210
91	Cholera toxin and its B subunit promote dendritic cell vaccination with different influences on Th1 and Th2 development. <i>Infection and Immunity</i> , <b>2003</b> , 71, 1740-7	3.7	97
90	Transcutaneous immunization with cholera toxin B subunit adjuvant suppresses IgE antibody responses via selective induction of Th1 immune responses. <i>Journal of Immunology</i> , <b>2003</b> , 170, 1586-92	5.3	69
89	Recent advances in mucosal vaccines and adjuvants. <i>Current Opinion in Immunology</i> , <b>2002</b> , 14, 666-72	7.8	108
88	Genetic fusion of human insulin B-chain to the B-subunit of cholera toxin enhances in vitro antigen presentation and induction of bystander suppression in vivo. <i>Immunology</i> , <b>2002</b> , 106, 237-45	7.8	30
87	Diminished immunopathology in <i>Schistosoma mansoni</i> infection following intranasal administration of cholera toxin B-immunodominant peptide conjugate correlates with enhanced transforming growth factor-beta production by CD4 T cells. <i>Parasite Immunology</i> , <b>2002</b> , 24, 423-7	2.2	18
86	Detoxification of cholera toxin without removal of its immunoadjuvanticity by the addition of (STa-related) peptides to the catalytic subunit. A potential new strategy to generate immunostimulants for vaccination. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 33369-77	5.4	19
85	Interaction of <i>Bordetella pertussis</i> with mast cells, modulation of cytokine secretion by pertussis toxin. <i>Cellular Microbiology</i> , <b>2001</b> , 3, 181-8	3.9	38
84	Protective vaccination against genital herpes simplex virus type 2 (HSV-2) infection in mice is associated with a rapid induction of local IFN-gamma-dependent RANTES production following a vaginal viral challenge. <i>American Journal of Reproductive Immunology</i> , <b>2001</b> , 46, 420-4	3.8	22
83	Dendritic cell vaccination protects mice against lethality caused by genital herpes simplex virus type 2 infection. <i>Journal of Reproductive Immunology</i> , <b>2001</b> , 50, 87-104	4.2	25
82	Local and systemic immune responses to rectal administration of recombinant cholera toxin B subunit in humans. <i>Infection and Immunity</i> , <b>2001</b> , 69, 4125-8	3.7	60
81	Nasal and vaginal vaccinations have differential effects on antibody responses in vaginal and cervical secretions in humans. <i>Infection and Immunity</i> , <b>2001</b> , 69, 7481-6	3.7	143
80	Vaccination with <i>Bordetella pertussis</i> -pulsed autologous or heterologous dendritic cells induces a mucosal antibody response in vivo and protects against infection. <i>Infection and Immunity</i> , <b>2001</b> , 69, 4120-7	3.7	9
79	Group B <i>Streptococcus</i> capsular polysaccharide-cholera toxin B subunit conjugate vaccines prepared by different methods for intranasal immunization. <i>Infection and Immunity</i> , <b>2001</b> , 69, 297-306	3.7	20



78	Interleukin-12 (IL-12) and IL-18 are important in innate defense against genital herpes simplex virus type 2 infection in mice but are not required for the development of acquired gamma interferon-mediated protective immunity. <i>Journal of Virology</i> , <b>2001</b> , 75, 6705-9	6.6	85
77	Cholera toxin B subunit as a carrier molecule promotes antigen presentation and increases CD40 and CD86 expression on antigen-presenting cells. <i>Infection and Immunity</i> , <b>2001</b> , 69, 5716-25	3.7	129
76	Adoptive transfer of mucosal T cells or dendritic cells from animals fed with cholera toxin B subunit alloantigen conjugate induces allogeneic T cell tolerance. <i>Advances in Experimental Medicine and Biology</i> , <b>2001</b> , 495, 271-5	3.6	4
75	Effect of pre-existing immunity for systemic and mucosal immune responses to intranasal immunization with group B Streptococcus type III capsular polysaccharide-cholera toxin B subunit conjugate. <i>Vaccine</i> , <b>2001</b> , 19, 3360-8	4.1	19
74	Cost of immunization with a locally produced, oral cholera vaccine in Viet Nam. <i>Vaccine</i> , <b>2001</b> , 19, 3720-5	4.1	15
73	Differential roles of B cells and IFN-gamma-secreting CD4(+) T cells in innate and adaptive immune control of genital herpes simplex virus type 2 infection in mice. <i>Journal of General Virology</i> , <b>2001</b> , 82, 845-853	4.9	108
72	Nasal administration of Schistosoma mansoni egg antigens-cholera toxin B subunit conjugate to infected mice reduces immunopathology and mortality. <i>Advances in Experimental Medicine and Biology</i> , <b>2001</b> , 495, 305-9	3.6	2
71	Genital antibody responses in mice after intranasal infection with an attenuated candidate vector strain of Bordetella pertussis. <i>Infection and Immunity</i> , <b>2000</b> , 68, 485-91	3.7	11
70	Oral administration of cholera toxin B subunit conjugated to myelin basic protein protects against experimental autoimmune encephalomyelitis by inducing transforming growth factor-beta-secreting cells and suppressing chemokine expression. <i>International Immunology</i> , <b>2000</b> , 12, 1449-57	4.9	54
69	Systemic and mucosal immune responses in mice after mucosal immunization with group B streptococcus type III capsular polysaccharide-cholera toxin B subunit conjugate vaccine. <i>Infection and Immunity</i> , <b>2000</b> , 68, 5749-55	3.7	50
68	Novel carbohydrate binding site recognizing blood group A and B determinants in a hybrid of cholera toxin and Escherichia coli heat-labile enterotoxin B-subunits. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 3231-8	5.4	37
67	Enterotoxin-specific immunoglobulin E responses in humans after infection or vaccination with diarrhea-causing enteropathogens. <i>Infection and Immunity</i> , <b>2000</b> , 68, 6077-81	3.7	10
66	Preparation and preclinical evaluation of experimental group B streptococcus type III polysaccharide-cholera toxin B subunit conjugate vaccine for intranasal immunization. <i>Vaccine</i> , <b>2000</b> , 19, 850-61	4.1	24
65	Enhanced immunological tolerance against allograft rejection by oral administration of allogeneic antigen linked to cholera toxin B subunit. <i>Clinical Immunology</i> , <b>2000</b> , 97, 130-9	9	18
64	Suppressive versus stimulatory effects of allergen/cholera toxoid (CTB) conjugates depending on the nature of the allergen in a murine model of type I allergy. <i>International Immunology</i> , <b>1999</b> , 11, 1717-24	4.9	31
63	Suppressive versus stimulatory effects of allergen/cholera toxoid (CTB) conjugates depending on the nature of the allergen in a murine model of type I allergy. <i>International Immunology</i> , <b>1999</b> , 11, 1131-8	4.9	27
62	Treatment of experimental autoimmune arthritis by nasal administration of a type II collagen-cholera toxoid conjugate vaccine. <i>Arthritis and Rheumatism</i> , <b>1999</b> , 42, 1628-34		53
61	Antibody responses in the lower respiratory tract and male urogenital tract in humans after nasal and oral vaccination with cholera toxin B subunit. <i>Infection and Immunity</i> , <b>1999</b> , 67, 2884-90	3.7	82

60	Antibody responses in serum and lung to intranasal immunization with Haemophilus influenzae type b polysaccharide conjugated to cholera toxin B subunit and tetanus toxoid. <i>Apmis</i> , <b>1998</b> , 106, 800-6 <sup>3-4</sup>		16
59	Safety and immunogenicity of an oral inactivated enterotoxigenic Escherichia coli vaccine. <i>Vaccine</i> , <b>1998</b> , 16, 255-60	4.1	77
58	Enteric infections in an endemic area induce a circulating antibody-secreting cell response with homing potentials to both mucosal and systemic tissues. <i>Journal of Infectious Diseases</i> , <b>1998</b> , 177, 1594-9		16
57	Induction and expression of intestinal humoral immunity in HIV-infected individuals: prospects for vaccination against secondary enteric infections. <i>Pathobiology</i> , <b>1998</b> , 66, 176-82	3.6	9
56	Antibodies and antibody-secreting cells in the female genital tract after vaginal or intranasal immunization with cholera toxin B subunit or conjugates. <i>Infection and Immunity</i> , <b>1998</b> , 66, 514-20	3.7	142
55	Specific-antibody-secreting cells in the rectums and genital tracts of nonhuman primates following vaccination. <i>Infection and Immunity</i> , <b>1998</b> , 66, 5889-96	3.7	58
54	Differential kinetics and distribution of antibodies in serum and nasal and vaginal secretions after nasal and oral vaccination of humans. <i>Infection and Immunity</i> , <b>1998</b> , 66, 3390-6	3.7	99
53	Structural basis for differential receptor binding of cholera and Escherichia coli heat-labile toxins: influence of heterologous amino acid substitutions in the cholera B-subunit. <i>Molecular Microbiology</i> , <b>1997</b> , 24, 489-97	4.1	32
52	Cholera toxin B subunit as transmucosal carrier-delivery and immunomodulating system for induction of antiinfectious and antipathological immunity. <i>Annals of the New York Academy of Sciences</i> , <b>1996</b> , 778, 185-93	6.5	29
51	Deficient IgA1 immune response to nasal cholera toxin subunit B in primary IgA nephropathy. <i>Kidney International</i> , <b>1996</b> , 50, 952-61	9.9	72
50	3.8. Oral Vaccination, Mucosal Immunity and Oral Tolerance with Special Reference to Cholera Toxin <b>1996</b> , 437-458		7
49	Characterization of an internal permissive site in the cholera toxin B-subunit and insertion of epitopes from human immunodeficiency virus-1, hepatitis B virus and enterotoxigenic Escherichia coli. <i>Gene</i> , <b>1995</b> , 165, 163-71	3.8	15
48	Human circulating specific antibody-forming cells after systemic and mucosal immunizations: differential homing commitments and cell surface differentiation markers. <i>European Journal of Immunology</i> , <b>1995</b> , 25, 322-7	6.1	82
47	Cloning and sequencing of Vibrio cholerae mannose-sensitive haemagglutinin pilin gene: localization of mshA within a cluster of type 4 pilin genes. <i>Molecular Microbiology</i> , <b>1994</b> , 13, 109-18	4.1	66
46	Immunological memory after immunization with oral cholera B subunit-whole-cell vaccine in Swedish volunteers. <i>Vaccine</i> , <b>1994</b> , 12, 1078-82	4.1	40
45	Insertion of a HIV-1-neutralizing epitope in a surface-exposed internal region of the cholera toxin B-subunit. <i>Gene</i> , <b>1994</b> , 149, 211-7	3.8	34
44	Receptors for cholera toxin and Escherichia coli heat-labile enterotoxin revisited. <i>Progress in Brain Research</i> , <b>1994</b> , 101, 163-77	2.9	16
43	Cholera toxin and cholera B subunit as oral-mucosal adjuvant and antigen vector systems. <i>Vaccine</i> , <b>1993</b> , 11, 1179-84	4.1	255

42	Evaluation of different immunization schedules for oral cholera B subunit-whole cell vaccine in Swedish volunteers. <i>Vaccine</i> , <b>1993</b> , 11, 1007-12	4.1	41
41	Intestinal antibody response after oral immunization with a prototype cholera B subunit-colonization factor antigen enterotoxigenic Escherichia coli vaccine. <i>Vaccine</i> , <b>1993</b> , 11, 929-34	4.1	51
40	The design and analysis of cholera vaccine trials: recent lessons from Bangladesh. <i>International Journal of Epidemiology</i> , <b>1993</b> , 22, 724-30	7.8	17
39	Nonparticipation as a determinant of adverse health outcomes in a field trial of oral cholera vaccines. <i>American Journal of Epidemiology</i> , <b>1992</b> , 135, 865-74	3.8	28
38	Mucosal immunity: implications for vaccine development. <i>Immunobiology</i> , <b>1992</b> , 184, 157-79	3.4	140
37	Safety and immunogenicity of an oral recombinant cholera B subunit-whole cell vaccine in Swedish volunteers. <i>Vaccine</i> , <b>1992</b> , 10, 130-2	4.1	84
36	Enzyme-linked immunosorbent assay for determination of antibodies to Vibrio cholerae toxin-coregulated pili. <i>Apmis</i> , <b>1992</b> , 100, 1027-32	3.4	2
35	The adjuvant effect of Vibrio cholerae and Escherichia coli heat-labile enterotoxins is linked to their ADP-ribosyltransferase activity. <i>European Journal of Immunology</i> , <b>1992</b> , 22, 2277-81	6.1	260
34	Mucosal immunity and vaccination. <i>FEMS Microbiology Letters</i> , <b>1991</b> , 4, 1-9	2.9	47
33	Immunohistochemical detection of two small cell lung carcinoma-associated antigens defined by MAbs F12 and 123C3 in bronchoscopy biopsy tissues. <i>Apmis</i> , <b>1991</b> , 99, 797-802	3.4	12
32	Tumor-cell killing by MAbs against fucosyl GM1, a ganglioside antigen associated with small-cell lung carcinoma. <i>International Journal of Cancer</i> , <b>1991</b> , 49, 911-8	7.5	20
31	Synthesis in Vibrio cholerae and secretion of hepatitis B virus antigens fused to Escherichia coli heat-labile enterotoxin subunit B. <i>Gene</i> , <b>1991</b> , 99, 255-9	3.8	24
30	Identification of a mannose-binding pilus on Vibrio cholerae El Tor. <i>Microbial Pathogenesis</i> , <b>1991</b> , 11, 433-41	3.8	79
29	Expression of virulence factors by classical and El Tor Vibrio cholerae in vivo and in vitro. <i>FEMS Microbiology Ecology</i> , <b>1990</b> , 7, 221-228	4.3	1
28	Breast feeding and the risk of severe cholera in rural Bangladeshi children. <i>American Journal of Epidemiology</i> , <b>1990</b> , 131, 400-11	3.8	64
27	Field trial of oral cholera vaccines in Bangladesh: evaluation of anti-bacterial and anti-toxic breast-milk immunity in response to ingestion of the vaccines. <i>Vaccine</i> , <b>1990</b> , 8, 469-72	4.1	33
26	ABO blood groups and cholera: new observations on specificity of risk and modification of vaccine efficacy. <i>Journal of Infectious Diseases</i> , <b>1989</b> , 159, 770-3	7	105
25	Development of oral vaccines against enterotoxinogenic Escherichia coli diarrhoea. <i>Vaccine</i> , <b>1989</b> , 7, 196-8	4.1	89

24	A clinical study of CA-50 as a tumour marker for monitoring of colorectal cancer. <i>Medical Oncology and Tumor Pharmacotherapy</i> , <b>1988</b> , 5, 165-71		6
23	Expression of the Escherichia coli lamB gene in Vibrio cholerae. <i>Microbial Pathogenesis</i> , <b>1986</b> , 1, 283-8	3.8	13
22	Field trial of oral cholera vaccines in Bangladesh. <i>Lancet, The</i> , <b>1986</b> , 2, 124-7	40	255
21	Monoclonal Antibodies and Immunodetection Methods for Vibrio cholerae and Escherichia coli Enterotoxins <b>1986</b> , 77-97		6
20	Comparison of receptors for cholera and Escherichia coli enterotoxins in human intestine. <i>Gastroenterology</i> , <b>1985</b> , 89, 27-35	13.3	107
19	Predisposition for cholera of individuals with O blood group. Possible evolutionary significance. <i>American Journal of Epidemiology</i> , <b>1985</b> , 121, 791-6	3.8	205
18	Characterization of enterotoxin and soluble hemagglutinin from Vibrio mimicus: identity with V. cholerae O1 toxin and hemagglutinin. <i>FEMS Microbiology Letters</i> , <b>1985</b> , 27, 17-22	2.9	21
17	Vaccine development for the control of cholera and related toxin-induced diarrhoeal diseases. <i>Novartis Foundation Symposium</i> , <b>1985</b> , 112, 242-70		
16	Fucosyl-GM1 A ganglioside associated with small cell lung carcinomas. <i>Glycoconjugate Journal</i> , <b>1984</b> , 1, 43-49	3	47
15	Protection against cholera in breast-fed children by antibodies in breast milk. <i>New England Journal of Medicine</i> , <b>1983</b> , 308, 1389-92	59.2	278
14	Receptor-specific large-scale purification of cholera toxin on silica beads derivatized with lysoGM1 ganglioside. <i>FEBS Journal</i> , <b>1981</b> , 113, 249-58		69
13	Actions of cholera toxin and the prevention and treatment of cholera. <i>Nature</i> , <b>1981</b> , 292, 413-17	50.4	475
12	Antitoxic cholera immunity in mice: influence of antigen deposition on antitoxin-containing cells and protective immunity in different parts of the intestine. <i>Infection and Immunity</i> , <b>1980</b> , 28, 17-23	3.7	36
11	Changes in intestinal fluid transport and immune responses to enterotoxins due to concomitant parasitic infection. <i>Infection and Immunity</i> , <b>1980</b> , 30, 734-40	3.7	5
10	Chlorpromazine reverses diarrhea in piglets caused by enterotoxigenic Escherichia coli. <i>Infection and Immunity</i> , <b>1979</b> , 24, 900-5	3.7	38
9	Identification of Escherichia coli heat-labile enterotoxin by means of a ganglioside immunosorbent assay (GM1-ELISA) procedure. <i>Current Microbiology</i> , <b>1978</b> , 1, 19-23	2.4	326
8	Mechanisms of disease and immunity in cholera: a review. <i>Journal of Infectious Diseases</i> , <b>1977</b> , 136 Suppl, S105-12	7	97
7	Multiple attacks of hepatitis in drug addicts: biochemical, immunochemical, and morphologic characteristics. <i>Journal of Infectious Diseases</i> , <b>1973</b> , 127, 544-50	7	33

6	Fixation and inactivation of cholera toxin by GM1 ganglioside. <i>Scandinavian Journal of Infectious Diseases</i> , <b>1973</b> , 5, 77-8		96
5	Comparison of the tissue receptors for <i>Vibrio cholerae</i> and <i>Escherichia coli</i> enterotoxins by means of gangliosides and natural cholera toxoid. <i>Infection and Immunity</i> , <b>1973</b> , 8, 851-9	3.7	216
4	Studies on the sensitivity of <i>Proteus mirabilis</i> and <i>Proteus vulgaris</i> to sulphonamide and colistin alone and in combination. <i>Scandinavian Journal of Infectious Diseases</i> , <b>1970</b> , 2, 121-4		
3	Precipitating antibodies to <i>E. coli</i> O antigens: a suggested difference in the antibody response of infants and children with first and recurrent attacks of pyelonephritis. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>1969</b> , 58, 506-12	3.1	13
2	Immunity to <i>Vibrio cholerae</i> Infection 257-271		10
1	Mucosal immunity and vaccination		2