

Hiroshi Kiyono

List of Publications by Citations

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129
papers

5,120
citations

33
h-index

69
g-index

135
ext. papers

6,295
ext. citations

8.9
avg, IF

5.67
L-index

#	Paper	IF	Citations
129	Innate lymphoid cells promote anatomical containment of lymphoid-resident commensal bacteria. <i>Science</i> , 2012 , 336, 1321-5	33.3	542
128	NALT- versus Peyer's-patch-mediated mucosal immunity. <i>Nature Reviews Immunology</i> , 2004 , 4, 699-710	36.5	528
127	Uptake through glycoprotein 2 of FimH(+) bacteria by M cells initiates mucosal immune response. <i>Nature</i> , 2009 , 462, 226-30	50.4	443
126	Innate lymphoid cells regulate intestinal epithelial cell glycosylation. <i>Science</i> , 2014 , 345, 1254009	33.3	351
125	Extracellular ATP mediates mast cell-dependent intestinal inflammation through P2X7 purinoceptors. <i>Nature Communications</i> , 2012 , 3, 1034	17.4	190
124	Indigenous opportunistic bacteria inhabit mammalian gut-associated lymphoid tissues and share a mucosal antibody-mediated symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 7419-24	11.5	169
123	Comprehensive gene expression profiling of Peyer's patch M cells, villous M-like cells, and intestinal epithelial cells. <i>Journal of Immunology</i> , 2008 , 180, 7840-6	5.3	139
122	Mucosal Ecological Network of Epithelium and Immune Cells for Gut Homeostasis and Tissue Healing. <i>Annual Review of Immunology</i> , 2017 , 35, 119-147	34.7	131
121	Mast Cells Are Crucial for Induction of Group 2 Innate Lymphoid Cells and Clearance of Helminth Infections. <i>Immunity</i> , 2017 , 46, 863-874.e4	32.3	110
120	Epithelial glycosylation in gut homeostasis and inflammation. <i>Nature Immunology</i> , 2016 , 17, 1244-1251	19.1	98
119	Lymphoid-Tissue-Resident Commensal Bacteria Promote Members of the IL-10 Cytokine Family to Establish Mutualism. <i>Immunity</i> , 2016 , 44, 634-646	32.3	98
118	Blockade of TLR3 protects mice from lethal radiation-induced gastrointestinal syndrome. <i>Nature Communications</i> , 2014 , 5, 3492	17.4	96
117	The mucosal immune system for vaccine development. <i>Vaccine</i> , 2014 , 32, 6711-23	4.1	92
116	Plant-based vaccines for animals and humans: recent advances in technology and clinical trials. <i>Therapeutic Advances in Vaccines</i> , 2015 , 3, 139-54		91
115	Generation of colonic IgA-secreting cells in the caecal patch. <i>Nature Communications</i> , 2014 , 5, 3704	17.4	88
114	Dietary β fatty acid exerts anti-allergic effect through the conversion to 17,18-epoxyeicosatetraenoic acid in the gut. <i>Scientific Reports</i> , 2015 , 5, 9750	4.9	84
113	Challenges in mucosal vaccines for the control of infectious diseases. <i>International Immunology</i> , 2014 , 26, 517-28	4.9	74

112	Mode of Bioenergetic Metabolism during B Cell Differentiation in the Intestine Determines the Distinct Requirement for Vitamin B1. <i>Cell Reports</i> , 2015 , 13, 122-131	10.6	71
111	Dietary and Microbial Metabolites in the Regulation of Host Immunity. <i>Frontiers in Microbiology</i> , 2017 , 8, 2171	5.7	67
110	The ectoenzyme E-NPP3 negatively regulates ATP-dependent chronic allergic responses by basophils and mast cells. <i>Immunity</i> , 2015 , 42, 279-293	32.3	58
109	A Refined Culture System for Human Induced Pluripotent Stem Cell-Derived Intestinal Epithelial Organoids. <i>Stem Cell Reports</i> , 2018 , 10, 314-328	8	56
108	The enzyme Cyp26b1 mediates inhibition of mast cell activation by fibroblasts to maintain skin-barrier homeostasis. <i>Immunity</i> , 2014 , 40, 530-41	32.3	54
107	Intestinal Permeability and IgA Provoke Immune Vasculitis Linked to Cardiovascular Inflammation. <i>Immunity</i> , 2019 , 51, 508-521.e6	32.3	49
106	Microbiota-derived butyrate suppresses group 3 innate lymphoid cells in terminal ileal Peyer's patches. <i>Scientific Reports</i> , 2017 , 7, 3980	4.9	49
105	Microbe-dependent CD11b+ IgA+ plasma cells mediate robust early-phase intestinal IgA responses in mice. <i>Nature Communications</i> , 2013 , 4, 1772	17.4	49
104	Distinct fucosylation of M cells and epithelial cells by Fut1 and Fut2, respectively, in response to intestinal environmental stress. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 404, 822-8	3.4	40
103	IL-22BP dictates characteristics of Peyer's patch follicle-associated epithelium for antigen uptake. <i>Journal of Experimental Medicine</i> , 2017 , 214, 1607-1618	16.6	37
102	Regulation of intestinal IgA responses by dietary palmitic acid and its metabolism. <i>Journal of Immunology</i> , 2014 , 193, 1666-71	5.3	37
101	A comprehensive understanding of the gut mucosal immune system in allergic inflammation. <i>Allergology International</i> , 2019 , 68, 17-25	4.4	37
100	Lymphoid tissue-resident Alcaligenes LPS induces IgA production without excessive inflammatory responses via weak TLR4 agonist activity. <i>Mucosal Immunology</i> , 2018 , 11, 693-702	9.2	36
99	Profiles of microRNA networks in intestinal epithelial cells in a mouse model of colitis. <i>Scientific Reports</i> , 2015 , 5, 18174	4.9	36
98	Interleukin 15 and CD4+ T cells cooperate to promote small intestinal enteropathy in response to dietary antigen. <i>Gastroenterology</i> , 2014 , 146, 1017-27	13.3	35
97	Intranasal Immunization with DOTAP Cationic Liposomes Combined with DC-Cholesterol Induces Potent Antigen-Specific Mucosal and Systemic Immune Responses in Mice. <i>PLoS ONE</i> , 2015 , 10, e0139785	3.7	35
96	C-Terminal Clostridium perfringens Enterotoxin-Mediated Antigen Delivery for Nasal Pneumococcal Vaccine. <i>PLoS ONE</i> , 2015 , 10, e0126352	3.7	33
95	Eosinophil depletion suppresses radiation-induced small intestinal fibrosis. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	32

94	New era for mucosal mast cells: their roles in inflammation, allergic immune responses and adjuvant development. <i>Experimental and Molecular Medicine</i> , 2014 , 46, e83	12.8	32
93	Structural basis of blocking integrin activation and deactivation for anti-inflammation. <i>Journal of Biomedical Science</i> , 2015 , 22, 51	13.3	32
92	Vaginal memory T cells induced by intranasal vaccination are critical for protective T cell recruitment and prevention of genital HSV-2 disease. <i>Journal of Virology</i> , 2014 , 88, 13699-708	6.6	29
91	Role of <i>Lactobacillus pentosus</i> Strain b240 and the Toll-like receptor 2 axis in Peyer's patch dendritic cell-mediated immunoglobulin A enhancement. <i>PLoS ONE</i> , 2014 , 9, e91857	3.7	29
90	Human Norovirus Propagation in Human Induced Pluripotent Stem Cell-Derived Intestinal Epithelial Cells. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019 , 7, 686-688.e5	7.9	29
89	Allograft inflammatory factor 1 is a regulator of transcytosis in M cells. <i>Nature Communications</i> , 2017 , 8, 14509	17.4	26
88	The 17,18-epoxyeicosatetraenoic acid-G protein-coupled receptor 40 axis ameliorates contact hypersensitivity by inhibiting neutrophil mobility in mice and cynomolgus macaques. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 470-484.e12	11.5	26
87	Good manufacturing practices production of a purification-free oral cholera vaccine expressed in transgenic rice plants. <i>Plant Cell Reports</i> , 2016 , 35, 667-79	5.1	26
86	Reciprocal Inflammatory Signaling Between Intestinal Epithelial Cells and Adipocytes in the Absence of Immune Cells. <i>EBioMedicine</i> , 2017 , 23, 34-45	8.8	26
85	Nasal vaccination with pneumococcal surface protein A in combination with cationic liposomes consisting of DOTAP and DC-chol confers antigen-mediated protective immunity against <i>Streptococcus pneumoniae</i> infections in mice. <i>International Immunopharmacology</i> , 2018 , 61, 385-393	5.8	25
84	Commensal-bacteria-derived butyrate promotes the T-cell-independent IgA response in the colon. <i>International Immunology</i> , 2020 , 32, 243-258	4.9	24
83	Attachment of class B CpG ODN onto DOTAP/DC-chol liposome in nasal vaccine formulations augments antigen-specific immune responses in mice. <i>BMC Research Notes</i> , 2017 , 10, 68	2.3	23
82	The mucosal immune system: From dentistry to vaccine development. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2015 , 91, 423-39	4	22
81	IL-10-producing CD4(+) T cells negatively regulate fucosylation of epithelial cells in the gut. <i>Scientific Reports</i> , 2015 , 5, 15918	4.9	22
80	Herpes simplex virus-1 evasion of CD8+ T cell accumulation contributes to viral encephalitis. <i>Journal of Clinical Investigation</i> , 2017 , 127, 3784-3795	15.9	22
79	Oral rice-based vaccine induces passive and active immunity against enterotoxigenic <i>E. coli</i> -mediated diarrhea in pigs. <i>Vaccine</i> , 2015 , 33, 5204-11	4.1	21
78	Loss of lymph node fibroblastic reticular cells and high endothelial cells is associated with humoral immunodeficiency in mouse graft-versus-host disease. <i>Journal of Immunology</i> , 2015 , 194, 398-406	5.3	20
77	Metagenome Data on Intestinal Phage-Bacteria Associations Aids the Development of Phage Therapy against Pathobionts. <i>Cell Host and Microbe</i> , 2020 , 28, 380-389.e9	23.4	19

76	The effect of mucoadhesive excipient on the nasal retention time of and the antibody responses induced by an intranasal influenza vaccine. <i>Vaccine</i> , 2016 , 34, 1201-7	4.1	18
75	Cationic pullulan nanogel as a safe and effective nasal vaccine delivery system for respiratory infectious diseases. <i>Human Vaccines and Immunotherapeutics</i> , 2018 , 14, 2189-2193	4.4	17
74	Mast cells play role in wound healing through the ZnT2/GPR39/IL-6 axis. <i>Scientific Reports</i> , 2019 , 9, 10842.	4.9	17
73	Peyer's patches and mesenteric lymph nodes cooperatively promote enteropathy in a mouse model of food allergy. <i>PLoS ONE</i> , 2014 , 9, e107492	3.7	17
72	Functional Restoration of Bacteriomes and Viromes by Fecal Microbiota Transplantation. <i>Gastroenterology</i> , 2021 , 160, 2089-2102.e12	13.3	17
71	Comparative whole-genome analyses of selection marker-free rice-based cholera toxin B-subunit vaccine lines and wild-type lines. <i>BMC Genomics</i> , 2015 , 16, 48	4.5	15
70	Nasal Administration of Cholera Toxin as a Mucosal Adjuvant Damages the Olfactory System in Mice. <i>PLoS ONE</i> , 2015 , 10, e0139368	3.7	15
69	MicroRNA-mediated dynamic control of mucosal immunity. <i>International Immunology</i> , 2017 , 29, 157-163	4.9	14
68	Runx2-l isoform contributes to fetal bone formation even in the absence of specific N-terminal amino acids. <i>PLoS ONE</i> , 2014 , 9, e108294	3.7	14
67	Fatty acid metabolism in the host and commensal bacteria for the control of intestinal immune responses and diseases. <i>Gut Microbes</i> , 2020 , 11, 276-284	8.8	14
66	Pathophysiological role of extracellular purinergic mediators in the control of intestinal inflammation. <i>Mediators of Inflammation</i> , 2015 , 2015, 427125	4.3	13
65	Lipopolysaccharide from Gut-Associated Lymphoid-Tissue-Resident <i>Alcaligenes faecalis</i> : Complete Structure Determination and Chemical Synthesis of Its Lipid A. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10023-10031	16.4	13
64	Fucosyltransferase 2 induces lung epithelial fucosylation and exacerbates house dust mite-induced airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 144, 698-709.e9	11.5	12
63	ATP as a Pathophysiologic Mediator of Bacteria-Host Crosstalk in the Gastrointestinal Tract. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	12
62	Critical role of intestinal interleukin-4 modulating regulatory T cells for desensitization, tolerance, and inflammation of food allergy. <i>PLoS ONE</i> , 2017 , 12, e0172795	3.7	12
61	Nanogel-based nasal vaccines for infectious and lifestyle-related diseases. <i>Molecular Immunology</i> , 2018 , 98, 19-24	4.3	12
60	Development of a nanogel-based nasal vaccine as a novel antigen delivery system. <i>Expert Review of Vaccines</i> , 2017 , 16, 1231-1240	5.2	11
59	Microfold cell-dependent antigen transport alleviates infectious colitis by inducing antigen-specific cellular immunity. <i>Mucosal Immunology</i> , 2020 , 13, 679-690	9.2	11

58	Characterization of morphological conversion of <i>Helicobacter pylori</i> under anaerobic conditions. <i>Microbiology and Immunology</i> , 2018 , 62, 221-228	2.7	11
57	Antigen-Specific Mucosal Immunity Regulates Development of Intestinal Bacteria-Mediated Diseases. <i>Gastroenterology</i> , 2019 , 157, 1530-1543.e4	13.3	11
56	A rice-based soluble form of a murine TNF-specific llama variable domain of heavy-chain antibody suppresses collagen-induced arthritis in mice. <i>Journal of Biotechnology</i> , 2014 , 175, 45-52	3.7	11
55	Sphingolipids and Epoxidized Lipid Metabolites in the Control of Gut Immunosurveillance and Allergy. <i>Frontiers in Nutrition</i> , 2016 , 3, 3	6.2	11
54	Negative regulation of DSS-induced experimental colitis by PILR α . <i>International Immunology</i> , 2015 , 27, 307-14	4.9	10
53	MicroRNA-orchestrated pathophysiologic control in gut homeostasis and inflammation. <i>BMB Reports</i> , 2016 , 49, 263-9	5.5	10
52	Chemically Synthesized Lipid A Shows a Potent and Safe Nasal Vaccine Adjuvant Activity for the Induction of α -Specific IgA and Th17 Mediated Protective Immunity. <i>Microorganisms</i> , 2020 , 8,	4.9	10
51	The global response to the COVID-19 pandemic: how have immunology societies contributed?. <i>Nature Reviews Immunology</i> , 2020 , 20, 594-602	36.5	10
50	Seed Metabolome Analysis of a Transgenic Rice Line Expressing Cholera Toxin B-subunit. <i>Scientific Reports</i> , 2017 , 7, 5196	4.9	9
49	Central Role of Core Binding Factor β in Mucosa-Associated Lymphoid Tissue Organogenesis in Mouse. <i>PLoS ONE</i> , 2015 , 10, e0127460	3.7	9
48	Determination of genomic location and structure of the transgenes in marker-free rice-based cholera vaccine by using whole genome resequencing approach. <i>Plant Cell, Tissue and Organ Culture</i> , 2015 , 120, 35-48	2.7	9
47	Adjuvant Activity of Synthetic Lipid A of <i>Lactobacillus reuteri</i> , a Gut-Associated Lymphoid Tissue-Resident Commensal Bacterium, to Augment Antigen-Specific IgG and Th17 Responses in Systemic Vaccine. <i>Vaccines</i> , 2020 , 8,	5.3	9
46	Orally desensitized mast cells form a regulatory network with Treg cells for the control of food allergy. <i>Mucosal Immunology</i> , 2021 , 14, 640-651	9.2	9
45	Intranasal administration of cationic liposomes enhanced granulocyte-macrophage colony-stimulating factor expression and this expression is dispensable for mucosal adjuvant activity. <i>BMC Research Notes</i> , 2018 , 11, 472	2.3	8
44	Lymphoid Tissue-Resident Establish an Intracellular Symbiotic Environment by Creating a Unique Energy Shift in Dendritic Cells. <i>Frontiers in Microbiology</i> , 2020 , 11, 561005	5.7	8
43	Gut microbiota signature of pathogen-dependent dysbiosis in viral gastroenteritis. <i>Scientific Reports</i> , 2021 , 11, 13945	4.9	8
42	Dietary coconut oil ameliorates skin contact hypersensitivity through mead acid production in mice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019 , 74, 1522-1532	9.3	7
41	Generation of tumor antigen-specific murine CD8 ⁺ T cells with enhanced anti-tumor activity via highly efficient CRISPR/Cas9 genome editing. <i>International Immunology</i> , 2018 , 30, 141-154	4.9	7

40	Mucosal Mesenchymal Cells: Secondary Barrier and Peripheral Educator for the Gut Immune System. <i>Frontiers in Immunology</i> , 2017 , 8, 1787	8.4	7
39	Identification and Analysis of Natural Killer Cells in Murine Nasal Passages. <i>PLoS ONE</i> , 2015 , 10, e0142929	7	7
38	The gut microbiota induces Peyer's-patch-dependent secretion of maternal IgA into milk. <i>Cell Reports</i> , 2021 , 36, 109655	10.6	7
37	Impaired airway mucociliary function reduces antigen-specific IgA immune response to immunization with a claudin-4-targeting nasal vaccine in mice. <i>Scientific Reports</i> , 2018 , 8, 2904	4.9	6
36	A nanogel-based trivalent PspA nasal vaccine protects macaques from intratracheal challenge with pneumococci. <i>Vaccine</i> , 2021 , 39, 3353-3364	4.1	6
35	Pancreatic glycoprotein 2 is a first line of defense for mucosal protection in intestinal inflammation. <i>Nature Communications</i> , 2021 , 12, 1067	17.4	6
34	Oral Mucorice-CTB vaccine for safety and microbiota-dependent immunogenicity in humans: a phase 1 randomised trial. <i>Lancet Microbe</i> , 2021 , 2, e429-e440	22.2	6
33	Maternal β docosapentaenoic acid inhibits infant allergic dermatitis through TRAIL-expressing plasmacytoid dendritic cells in mice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 1939-1955	9.3	5
32	Polymeric Caffeic Acid Is a Safer Mucosal Adjuvant That Augments Antigen-Specific Mucosal and Systemic Immune Responses in Mice. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4226-4234	5.6	5
31	Essential Role of Host Double-Stranded DNA Released from Dying Cells by Cationic Liposomes for Mucosal Adjuvanticity. <i>Vaccines</i> , 2019 , 8,	5.3	5
30	Dysbiotic Fecal Microbiome in HIV-1 Infected Individuals in Ghana. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 646467	5.9	5
29	Characterization and Specification of a Trivalent Protein-Based Pneumococcal Vaccine Formulation Using an Adjuvant-Free Nanogel Nasal Delivery System. <i>Molecular Pharmaceutics</i> , 2021 , 18, 1582-1592	5.6	5
28	A role for the CCR5-CCL5 interaction in the preferential migration of HSV-2-specific effector cells to the vaginal mucosa upon nasal immunization. <i>Mucosal Immunology</i> , 2019 , 12, 1391-1403	9.2	4
27	Fecal Microbiome Composition in Healthy Adults in Ghana. <i>Japanese Journal of Infectious Diseases</i> , 2021 , 74, 42-47	2.7	4
26	Distinct roles for Peyer's patch B cells for induction of antigen-specific IgA antibody responses in mice administered oral recombinant Salmonella. <i>International Immunology</i> , 2019 , 31, 531-541	4.9	3
25	Differential analyses of major allergen proteins in wild-type rice and rice producing a fragment of anti-rotavirus antibody. <i>Regulatory Toxicology and Pharmacology</i> , 2016 , 76, 128-36	3.4	3
24	Distinct Age-Specific miRegulome Profiling of Isolated Small and Large Intestinal Epithelial Cells in Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
23	Effector memory CD4T cells in mesenteric lymph nodes mediate bone loss in food-allergic enteropathy model mice, creating IL-4 dominance. <i>Mucosal Immunology</i> , 2021 , 14, 1335-1346	9.2	3

22	A Heterodimeric Antibody Fragment for Passive Immunotherapy Against Norovirus Infection. <i>Journal of Infectious Diseases</i> , 2020 , 222, 470-478	7	2
21	Persistent colonization of non-lymphoid tissue-resident macrophages by <i>Stenotrophomonas maltophilia</i> . <i>International Immunology</i> , 2020 , 32, 133-141	4.9	2
20	Stratified layer analysis reveals intrinsic leptin stimulates cryptal mesenchymal cells for controlling mucosal inflammation. <i>Scientific Reports</i> , 2020 , 10, 18351	4.9	2
19	Enzymatically polymerised polyphenols prepared from various precursors potentiate antigen-specific immune responses in both mucosal and systemic compartments in mice. <i>PLoS ONE</i> , 2021 , 16, e0246422	3.7	2
18	Lipopolysaccharide Derived From the Lymphoid-Resident Commensal Bacteria Functions as an Effective Nasal Adjuvant to Augment IgA Antibody and Th17 Cell Responses. <i>Frontiers in Immunology</i> , 2021 , 12, 699349	8.4	2
17	Mucosal vaccines: wisdom from now and then. <i>International Immunology</i> , 2021 , 33, 767-774	4.9	2
16	The mucosal immune system for secretory IgA responses and mucosal vaccine development. <i>Inflammation and Regeneration</i> , 2010 , 30, 40-47	10.9	1
15	Chemically Synthesized Lipid A as an Adjuvant to Augment Immune Responses to Type B Conjugate Vaccine. <i>Frontiers in Pharmacology</i> , 2021 , 12, 763657	5.6	1
14	Prolonged Gut Dysbiosis and Fecal Excretion of Hepatitis A Virus in Patients Infected with Human Immunodeficiency Virus. <i>Viruses</i> , 2021 , 13,	6.2	1
13	Development of Antibody-Fragment-Producing Rice for Neutralization of Human Norovirus. <i>Frontiers in Plant Science</i> , 2021 , 12, 639953	6.2	1
12	Comparison of gene expression and activation of transcription factors in organoid-derived monolayer intestinal epithelial cells and organoids. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021 , 85, 2137-2144	2.1	1
11	Role of interleukin-6 in antigen-specific mucosal immunoglobulin A induction by cationic liposomes. <i>International Immunopharmacology</i> , 2021 , 101, 108280	5.8	0
10	Comparative whole-genome and proteomics analyses of the next seed bank and the original master seed bank of MucoRice-CTB 51A line, a rice-based oral cholera vaccine. <i>BMC Genomics</i> , 2021 , 22, 59	4.5	0
9	Super high-resolution single-molecule sequence-based typing of HLA class I alleles in HIV-1 infected individuals in Ghana. <i>PLoS ONE</i> , 2022 , 17, e0269390	3.7	0
8	Introduction to Mucosally-Induced Tolerance: from Bench to Bedside. <i>Japanese Journal of Clinical Immunology</i> , 2003 , 26, 198-198		
7	Application of dynamic light sources produced by unique optics to stimulate the human cerebrum. <i>Journal of Life Support Engineering</i> , 2006 , 18, 113-120	0	
6	Influence of commensal bacteria on the induction of UEA-1+ NKM-16-2-4+ cells in small intestine. <i>FASEB Journal</i> , 2008 , 22, 851.4	0.9	
5	Sphingosine 1-phosphate regulates innate and acquired intestinal IgA production. <i>FASEB Journal</i> , 2008 , 22, 853.17	0.9	

- 4 A subunit type of botulinum mucosal vaccine effectively induces protective immunity in non-human primates. *FASEB Journal*, **2008**, 22, 853.4 0.9
- 3 Genesis of tear duct-associated lymphoid tissue is independent of Id2, ROR γ but requires Cbfb transcriptional regulator. *FASEB Journal*, **2008**, 22, 845.1 0.9
- 2 Lipopolysaccharide from Gut-Associated Lymphoid-Tissue-Resident *Alcaligenes faecalis*: Complete Structure Determination and Chemical Synthesis of Its Lipid A. *Angewandte Chemie*, **2021**, 133, 10111-10119 3.6
- 1 The Mucosal Immune System for Vaccine Development. *Nihon Bika Gakkai Kaishi (Japanese Journal of Rhinology)*, **2019**, 58, 635-642 0.1