

Koji Hase

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

11,615
citations

81743

39
h-index

62479

80
g-index

89
all docs

89
docs citations

89
times ranked

16842
citing authors

#	ARTICLE	IF	CITATIONS
1	Commensal microbe-derived butyrate induces the differentiation of colonic regulatory T cells. <i>Nature</i> , 2013, 504, 446-450.	13.7	3,901
2	Bifidobacteria can protect from enteropathogenic infection through production of acetate. <i>Nature</i> , 2011, 469, 543-547.	13.7	1,836
3	The microbiota regulates type 2 immunity through ROR γ T cells. <i>Science</i> , 2015, 349, 989-993.	6.0	709
4	Uptake through glycoprotein 2 of FimH+ bacteria by M cells initiates mucosal immune response. <i>Nature</i> , 2009, 462, 226-230.	13.7	544
5	Gut microbiota-generated metabolites in animal health and disease. <i>Nature Chemical Biology</i> , 2014, 10, 416-424.	3.9	539
6	M-Sec promotes membrane nanotube formation by interacting with Ral and the exocyst complex. <i>Nature Cell Biology</i> , 2009, 11, 1427-1432.	4.6	286
7	Maternal gut microbiota in pregnancy influences offspring metabolic phenotype in mice. <i>Science</i> , 2020, 367, .	6.0	255
8	The Ets transcription factor Spi-B is essential for the differentiation of intestinal microfold cells. <i>Nature Immunology</i> , 2012, 13, 729-736.	7.0	196
9	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, 7840-7846.	0.4	160
10	The epigenetic regulator Uhrf1 facilitates the proliferation and maturation of colonic regulatory T cells. <i>Nature Immunology</i> , 2014, 15, 571-579.	7.0	147
11	Macrophage extracellular trap formation promoted by platelet activation is a key mediator of rhabdomyolysis-induced acute kidney injury. <i>Nature Medicine</i> , 2018, 24, 232-238.	15.2	139
12	Oral Administration of Porphyromonas gingivalis Alters the Gut Microbiome and Serum Metabolome. <i>MSphere</i> , 2018, 3, .	1.3	134
13	Partners in Leaky Gut Syndrome: Intestinal Dysbiosis and Autoimmunity. <i>Frontiers in Immunology</i> , 2021, 12, 673708.	2.2	123
14	Fasting-Refeeding Impacts Immune Cell Dynamics and Mucosal Immune Responses. <i>Cell</i> , 2019, 178, 1072-1087.e14.	13.5	119
15	The Roles of Peyer's Patches and Microfold Cells in the Gut Immune System: Relevance to Autoimmune Diseases. <i>Frontiers in Immunology</i> , 2019, 10, 2345.	2.2	114
16	Microbiota-derived lactate accelerates colon epithelial cell turnover in starvation-refed mice. <i>Nature Communications</i> , 2013, 4, 1654.	5.8	111
17	Attenuation of CD4+CD25+ Regulatory T Cells in the Tumor Microenvironment by Metformin, a Type 2 Diabetes Drug. <i>EBioMedicine</i> , 2017, 25, 154-164.	2.7	108
18	Critical role of the IgM Fc receptor in IgM homeostasis, B-cell survival, and humoral immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2699-706.	3.3	105

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19	Symbiotic polyamine metabolism regulates epithelial proliferation and macrophage differentiation in the colon. <i>Nature Communications</i> , 2021, 12, 2105.	5.8	105
20	Epigenetic modifications of the immune system in health and disease. <i>Immunology and Cell Biology</i> , 2015, 93, 226-232.	1.0	95
21	The Membrane-Bound Chemokine CXCL16 Expressed on Follicle-Associated Epithelium and M Cells Mediates Lympho-Epithelial Interaction in GALT. <i>Journal of Immunology</i> , 2006, 176, 43-51.	0.4	83
22	Distinct Gene Expression Profiles Characterize Cellular Phenotypes of Follicle-Associated Epithelium and M Cells. <i>DNA Research</i> , 2005, 12, 127-137.	1.5	81
23	Cutting Edge: <i>Brucella abortus</i> Exploits a Cellular Prion Protein on Intestinal M Cells as an Invasive Receptor. <i>Journal of Immunology</i> , 2012, 189, 1540-1544.	0.4	81
24	Zinc Transporter SLC39A7/ZIP7 Promotes Intestinal Epithelial Self-Renewal by Resolving ER Stress. <i>PLoS Genetics</i> , 2016, 12, e1006349.	1.5	80
25	Glycoprotein 2 (GP2). <i>Gut Microbes</i> , 2010, 1, 407-410.	4.3	79
26	Construction of an open-access database that integrates cross-reference information from the transcriptome and proteome of immune cells. <i>Bioinformatics</i> , 2007, 23, 2934-2941.	1.8	74
27	Microbiota-derived butyrate limits the autoimmune response by promoting the differentiation of follicular regulatory T cells. <i>EBioMedicine</i> , 2020, 58, 102913.	2.7	74
28	New Approach for M-Cell-Specific Molecules Screening by Comprehensive Transcriptome Analysis. <i>DNA Research</i> , 2009, 16, 227-235.	1.5	68
29	Botulinum toxin A complex exploits intestinal M cells to enter the host and exert neurotoxicity. <i>Nature Communications</i> , 2015, 6, 6255.	5.8	68
30	Mucin O-glycans facilitate symbiosynthesis to maintain gut immune homeostasis. <i>EBioMedicine</i> , 2019, 48, 513-525.	2.7	66
31	Thymic epithelial cells co-opt lineage-defining transcription factors to eliminate autoreactive T _H cells. <i>Cell</i> , 2022, 185, 2542-2558.e18.	13.5	63
32	Tunneling nanotubes: Emerging view of their molecular components and formation mechanisms. <i>Experimental Cell Research</i> , 2012, 318, 1699-1706.	1.2	61
33	Activation-Induced Cytidine Deaminase Deficiency Causes Organ-Specific Autoimmune Disease. <i>PLoS ONE</i> , 2008, 3, e3033.	1.1	55
34	The Role of the Clathrin Adaptor AP-1: Polarized Sorting and Beyond. <i>Membranes</i> , 2014, 4, 747-763.	1.4	52
35	IL-22BP dictates characteristics of Peyer's patch follicle-associated epithelium for antigen uptake. <i>Journal of Experimental Medicine</i> , 2017, 214, 1607-1618.	4.2	51
36	MZB1 promotes the secretion of J-chain-containing dimeric IgA and is critical for the suppression of gut inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13480-13489.	3.3	50

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37	M cell-dependent antigen uptake on follicle-associated epithelium for mucosal immune surveillance. <i>Inflammation and Regeneration</i> , 2018, 38, 15.	1.5	49
38	Commensal-bacteria-derived butyrate promotes the T-cell-independent IgA response in the colon. <i>International Immunology</i> , 2020, 32, 243-258.	1.8	49
39	Commensal microbe-derived acetate suppresses NAFLD/NASH development via hepatic FFAR2 signalling in mice. <i>Microbiome</i> , 2021, 9, 188.	4.9	48
40	Sox8 is essential for M cell maturation to accelerate IgA response at the early stage after weaning in mice. <i>Journal of Experimental Medicine</i> , 2019, 216, 831-846.	4.2	47
41	Profiling of tumour-associated microbiota in human hepatocellular carcinoma. <i>Scientific Reports</i> , 2021, 11, 10589.	1.6	47
42	Gut microbiota reinforce host antioxidant capacity via the generation of reactive sulfur species. <i>Cell Reports</i> , 2022, 38, 110479.	2.9	42
43	Pancreatic glycoprotein 2 is a first line of defense for mucosal protection in intestinal inflammation. <i>Nature Communications</i> , 2021, 12, 1067.	5.8	35
44	Osteoprotegerin-dependent M cell self-regulation balances gut infection and immunity. <i>Nature Communications</i> , 2020, 11, 234.	5.8	34
45	Macrophages Switch Their Phenotype by Regulating Maf Expression during Different Phases of Inflammation. <i>Journal of Immunology</i> , 2018, 201, 635-651.	0.4	33
46	Dietary Intervention Impacts Immune Cell Functions and Dynamics by Inducing Metabolic Rewiring. <i>Frontiers in Immunology</i> , 2020, 11, 623989.	2.2	32
47	Mast cells play role in wound healing through the ZnT2/GPR39/IL-6 axis. <i>Scientific Reports</i> , 2019, 9, 10842.	1.6	28
48	Microfold cell-dependent antigen transport alleviates infectious colitis by inducing antigen-specific cellular immunity. <i>Mucosal Immunology</i> , 2020, 13, 679-690.	2.7	26
49	Airway M Cells Arise in the Lower Airway Due to RANKL Signaling and Reside in the Bronchiolar Epithelium Associated With iBALT in Murine Models of Respiratory Disease. <i>Frontiers in Immunology</i> , 2019, 10, 1323.	2.2	25
50	EAF2 mediates germinal centre B-cell apoptosis to suppress excessive immune responses and prevent autoimmunity. <i>Nature Communications</i> , 2016, 7, 10836.	5.8	23
51	The diet-microbiota-metabolite axis regulates the host physiology. <i>Journal of Biochemistry</i> , 2016, 160, 1-10.	0.9	21
52	Maintenance of Intestinal Epithelial Homeostasis by Zinc Transporters. <i>Digestive Diseases and Sciences</i> , 2019, 64, 2404-2415.	1.1	20
53	Mucin-Derived O-Glycans Act as Endogenous Fiber and Sustain Mucosal Immune Homeostasis via Short-Chain Fatty Acid Production in Rat Cecum. <i>Journal of Nutrition</i> , 2020, 150, 2656-2665.	1.3	20
54	A partial agonist for retinoid X receptor mitigates experimental colitis. <i>International Immunology</i> , 2019, 31, 251-262.	1.8	17

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55	Fine-tuning of the mucosal barrier and metabolic systems using the diet-microbial metabolite axis. <i>International Immunopharmacology</i> , 2016, 37, 79-86.	1.7	16
56	Therapeutic effect of vitamin D3-containing nanostructured lipid carriers on inflammatory bowel disease. <i>Journal of Controlled Release</i> , 2018, 286, 94-102.	4.8	16
57	Regulation of inflammatory response of macrophages and induction of regulatory T cells by using retinoic acid-loaded nanostructured lipid carrier. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 1-11.	1.9	14
58	Adverse effects of methylmercury on gut bacteria and accelerated accumulation of mercury in organs due to disruption of gut microbiota. <i>Journal of Toxicological Sciences</i> , 2021, 46, 91-97.	0.7	14
59	Seaweed Dietary Fiber Sodium Alginate Suppresses the Migration of Colonic Inflammatory Monocytes and Diet-Induced Metabolic Syndrome via the Gut Microbiota. <i>Nutrients</i> , 2021, 13, 2812.	1.7	13
60	Epithelial-stromal interaction via Notch signaling is essential for the full maturation of gut-associated lymphoid tissues. <i>EMBO Reports</i> , 2014, 15, 1297-1304.	2.0	12
61	Protective Role of the M-Sec Tunneling Nanotube System in Podocytes. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 1114-1130.	3.0	12
62	Gut Microbiota Prevents Sugar Alcohol-Induced Diarrhea. <i>Nutrients</i> , 2021, 13, 2029.	1.7	10
63	Intestinal Epithelial Cell-specific Deletion of α -Mannosidase II Ameliorates Experimental Colitis. <i>Cell Structure and Function</i> , 2018, 43, 25-39.	0.5	9
64	A Retinoid X Receptor Agonist Directed to the Large Intestine Ameliorates T-Cell-Mediated Colitis in Mice. <i>Frontiers in Pharmacology</i> , 2021, 12, 715752.	1.6	9
65	Application of a Mouse Ligated Peyer's Patch Intestinal Loop Assay to Evaluate Bacterial Uptake by M cells. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	8
66	Protection of gut microbiome from antibiotics: development of a vancomycin-specific adsorbent with high adsorption capacity. <i>Bioscience of Microbiota, Food and Health</i> , 2020, 39, 128-136.	0.8	8
67	Characterization of M Cells in Tear Duct-Associated Lymphoid Tissue of Mice: A Potential Role in Immunosurveillance on the Ocular Surface. <i>Frontiers in Immunology</i> , 2021, 12, 779709.	2.2	8
68	Amino Acid-Based Diet Prevents Lethal Infectious Diarrhea by Maintaining Body Water Balance in a Murine <i>Citrobacter rodentium</i> Infection Model. <i>Nutrients</i> , 2021, 13, 1896.	1.7	7
69	Intestinal immunity: to be, or not to be, induced? That is the question. <i>International Immunology</i> , 2021, 33, 755-759.	1.8	7
70	Polyamines polarized Th2/Th9 cell-fate decision by regulating GATA3 expression. <i>Archives of Biochemistry and Biophysics</i> , 2020, 693, 108587.	1.4	6
71	Gut microbiota, determined by dietary nutrients, drive modification of the plasma lipid profile and insulin resistance. <i>IScience</i> , 2021, 24, 102445.	1.9	6
72	Polyvinyl Butyrate Nanoparticles as Butyrate Donors for Colitis Treatment. <i>ACS Applied Bio Materials</i> , 2021, 4, 2335-2341.	2.3	5

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73	Specific adsorption of a β -lactam antibiotic <i>in vivo</i> by an anion-exchange resin for protection of the intestinal microbiota. <i>Biomaterials Science</i> , 2021, 9, 7219-7227.	2.6	4
74	Identification of Novel Histone Deacetylase Selective Inhibitors Bearing 3,3,3-Trifluorolactic Amide (TFLAM) Motif as a Zinc Binding Group. <i>ChemBioChem</i> , 2021, 22, 3158-3163.	1.3	4
75	Pitfalls in global normalization of ChIP-seq data in CD4+ T cells treated with butyrate: A possible solution strategy. <i>Genomics Data</i> , 2014, 2, 176-180.	1.3	3
76	Glia maturation factor-1 β is involved in S1P-induced marginal zone B-cell chemotaxis and optimal IgM production to type II T-independent antigen. <i>International Immunology</i> , 2022, 34, 35-43.	1.8	3
77	Commensal microbiota-derived signals regulate host immune system through epigenetic modifications. <i>Inflammation and Regeneration</i> , 2015, 35, 129-136.	1.5	1
78	Mucosal barrierology: The molecular machinery and physiological significance of multiple epithelial barriers. <i>Inflammation and Regeneration</i> , 2015, 35, 003-013.	1.5	1
79	Skate-skin mucin, rich in sulfated sugars and threonine, promotes proliferation of <i>Akkermansia muciniphila</i> in feeding tests in rats and <i>in vitro</i> fermentation using human feces. <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, , .	0.6	1
80	Editorial: Immunological Consequences of Antigen Sampling at Mucosal Surfaces. <i>Frontiers in Immunology</i> , 2019, 10, 2773.	2.2	0
81	Safety and tolerability of medicinal parasite ova (<i>Trichuris suis</i>) in healthy Japanese volunteers: A randomized, double-blind, placebo-controlled trial. <i>Parasitology International</i> , 2021, 85, 102441.	0.6	0
82	AP-1B Facilitates Epithelial Barrier Functions in the Gut. <i>Membrane</i> , 2014, 38, 181-185.	0.0	0
83	Zinc transporter SLC39A7/ZIP7 is essential for intestinal homeostatic self-renewal. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO2-6-37.	0.0	0
84	Microbiota and allergy. <i>Nihon Shoni Arerugi Gakkaishi the Japanese Journal of Pediatric Allergy and Clinical Immunology</i> , 2018, 32, 1-8.	0.0	0
85	The role of gut microbiota in intestinal immune tolerance. <i>Drug Delivery System</i> , 2022, 37, 159-167.	0.0	0