Koji Hase

List of Publications by Citations

78 papers	7,994 citations	31 h-index	89 g-index
89 ext. papers	10,030 ext. citations	11.5 avg, IF	5.54 L-index

#	Paper	IF	Citations
78	Commensal microbe-derived butyrate induces the differentiation of colonic regulatory T cells. *Nature*, **2013**, 504, 446-50	50.4	2810
77	Bifidobacteria can protect from enteropathogenic infection through production of acetate. *Nature*, **2011**, 469, 543-7	50.4	1423
76	MUCOSAL IMMUNOLOGY. The microbiota regulates type 2 immunity through RORγ+ T cells. *Science*, **2015**, 349, 989-93	33.3	494
75	Uptake through glycoprotein 2 of FimH(+) bacteria by M cells initiates mucosal immune response. *Nature*, **2009**, 462, 226-30	50.4	443
74	Gut microbiota-generated metabolites in animal health and disease. *Nature Chemical Biology*, **2014**, 10, 416-24	11.7	388
73	M-Sec promotes membrane nanotube formation by interacting with Ral and the exocyst complex. *Nature Cell Biology*, **2009**, 11, 1427-32	23.4	227
72	The Ets transcription factor Spi-B is essential for the differentiation of intestinal microfold cells. *Nature Immunology*, **2012**, 13, 729-36	19.1	147
71	Comprehensive gene expression profiling of Peyer's patch M cells, villous M-like cells, and intestinal epithelial cells. *Journal of Immunology*, **2008**, 180, 7840-6	5.3	139
70	Maternal gut microbiota in pregnancy influences offspring metabolic phenotype in mice. *Science*, **2020**, 367,	33.3	126
69	The epigenetic regulator Uhrf1 facilitates the proliferation and maturation of colonic regulatory T cells. *Nature Immunology*, **2014**, 15, 571-9	19.1	125
68	Critical role of the IgM Fc receptor in IgM homeostasis, B-cell survival, and humoral immune responses. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E2699-706	11.5	89
67	Microbiota-derived lactate accelerates colon epithelial cell turnover in starvation-refed mice. *Nature Communications*, **2013**, 4, 1654	17.4	86
66	The membrane-bound chemokine CXCL16 expressed on follicle-associated epithelium and M cells mediates lympho-epithelial interaction in GALT. *Journal of Immunology*, **2006**, 176, 43-51	5.3	75
65	Epigenetic modifications of the immune system in health and disease. *Immunology and Cell Biology*, **2015**, 93, 226-32	5	73
64	Macrophage extracellular trap formation promoted by platelet activation is a key mediator of rhabdomyolysis-induced acute kidney injury. *Nature Medicine*, **2018**, 24, 232-238	50.5	72
63	Distinct gene expression profiles characterize cellular phenotypes of follicle-associated epithelium and M cells. *DNA Research*, **2005**, 12, 127-37	4.5	72
62	Construction of an open-access database that integrates cross-reference information from the transcriptome and proteome of immune cells. *Bioinformatics*, **2007**, 23, 2934-41	7.2	67

61	Attenuation of CD4CD25 Regulatory T Cells in the Tumor Microenvironment by Metformin, a Type 2 Diabetes Drug. *EBioMedicine*, **2017**, 25, 154-164	8.8	65
60	Cutting Edge: Brucella abortus exploits a cellular prion protein on intestinal M cells as an invasive receptor. *Journal of Immunology*, **2012**, 189, 1540-4	5.3	65
59	Fasting-Refeeding Impacts Immune Cell Dynamics and Mucosal Immune Responses. *Cell*, **2019**, 178, 1072-1087.e14	36.2	64
58	Glycoprotein 2 (GP2): grabbing the FimH bacteria into M cells for mucosal immunity. *Gut Microbes*, **2010**, 1, 407-10	8.8	58
57	Zinc Transporter SLC39A7/ZIP7 Promotes Intestinal Epithelial Self-Renewal by Resolving ER Stress. *PLoS Genetics*, **2016**, 12, e1006349	6	58
56	Botulinum toxin A complex exploits intestinal M cells to enter the host and exert neurotoxicity. *Nature Communications*, **2015**, 6, 6255	17.4	56
55	Oral Administration of Porphyromonas gingivalis Alters the Gut Microbiome and Serum Metabolome. *MSphere*, **2018**, 3,	5	55
54	New approach for m-cell-specific molecules screening by comprehensive transcriptome analysis. *DNA Research*, **2009**, 16, 227-35	4.5	50
53	The Roles of Peyer's Patches and Microfold Cells in the Gut Immune System: Relevance to Autoimmune Diseases. *Frontiers in Immunology*, **2019**, 10, 2345	8.4	49
52	Activation-induced cytidine deaminase deficiency causes organ-specific autoimmune disease. *PLoS ONE*, **2008**, 3, e3033	3.7	48
51	Tunneling nanotubes: emerging view of their molecular components and formation mechanisms. *Experimental Cell Research*, **2012**, 318, 1699-706	4.2	46
50	IL-22BP dictates characteristics of Peyer's patch follicle-associated epithelium for antigen uptake. *Journal of Experimental Medicine*, **2017**, 214, 1607-1618	16.6	37
49	The Role of the Clathrin Adaptor AP-1: Polarized Sorting and Beyond. *Membranes*, **2014**, 4, 747-63	3.8	34
48	Microbiota-derived butyrate limits the autoimmune response by promoting the differentiation of follicular regulatory T cells. *EBioMedicine*, **2020**, 58, 102913	8.8	31
47	Mucin O-glycans facilitate symbiosynthesis to maintain gut immune homeostasis. *EBioMedicine*, **2019**, 48, 513-525	8.8	30
46	MZB1 promotes the secretion of J-chain-containing dimeric IgA and is critical for the suppression of gut inflammation. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 13480-13489	11.5	26
45	Commensal-bacteria-derived butyrate promotes the T-cell-independent IgA response in the colon. *International Immunology*, **2020**, 32, 243-258	4.9	24
44	M cell-dependent antigen uptake on follicle-associated epithelium for mucosal immune surveillance. *Inflammation and Regeneration*, **2018**, 38, 15	10.9	22

43	Sox8 is essential for M cell maturation to accelerate IgA response at the early stage after weaning in mice. *Journal of Experimental Medicine*, **2019**, 216, 831-846	16.6	21
42	Osteoprotegerin-dependent M cell self-regulation balances gut infection and immunity. *Nature Communications*, **2020**, 11, 234	17.4	19
41	EAF2 mediates germinal centre B-cell apoptosis to suppress excessive immune responses and prevent autoimmunity. *Nature Communications*, **2016**, 7, 10836	17.4	18
40	Macrophages Switch Their Phenotype by Regulating Maf Expression during Different Phases of Inflammation. *Journal of Immunology*, **2018**, 201, 635-651	5.3	17
39	Mast cells play role in wound healing through the ZnT2/GPR39/IL-6 axis. *Scientific Reports*, **2019**, 9, 10842	4.9	17
38	Partners in Leaky Gut Syndrome: Intestinal Dysbiosis and Autoimmunity. *Frontiers in Immunology*, **2021**, 12, 673708	8.4	16
37	Symbiotic polyamine metabolism regulates epithelial proliferation and macrophage differentiation in the colon. *Nature Communications*, **2021**, 12, 2105	17.4	16
36	The diet-microbiota-metabolite axis regulates the host physiology. *Journal of Biochemistry*, **2016**, 160, 1-10	3.1	15
35	Therapeutic effect of vitamin D-containing nanostructured lipid carriers on inflammatory bowel disease. *Journal of Controlled Release*, **2018**, 286, 94-102	11.7	14
34	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. *Frontiers in Immunology* , **2019**, 10, 1323	8.4	12
33	A partial agonist for retinoid X receptor mitigates experimental colitis. *International Immunology*, **2019**, 31, 251-262	4.9	12
32	Maintenance of Intestinal Epithelial Homeostasis by Zinc Transporters. *Digestive Diseases and Sciences*, **2019**, 64, 2404-2415	4	11
31	Microfold cell-dependent antigen transport alleviates infectious colitis by inducing antigen-specific cellular immunity. *Mucosal Immunology*, **2020**, 13, 679-690	9.2	11
30	Fine-tuning of the mucosal barrier and metabolic systems using the diet-microbial metabolite axis. *International Immunopharmacology*, **2016**, 37, 79-86	5.8	11
29	Epithelial-stromal interaction via Notch signaling is essential for the full maturation of gut-associated lymphoid tissues. *EMBO Reports*, **2014**, 15, 1297-304	6.5	10
28	Commensal microbe-derived acetate suppresses NAFLD/NASH development via hepatic FFAR2 signalling in mice. *Microbiome*, **2021**, 9, 188	16.6	10
27	Dietary Intervention Impacts Immune Cell Functions and Dynamics by Inducing Metabolic Rewiring. *Frontiers in Immunology*, **2020**, 11, 623989	8.4	9
26	Intestinal Epithelial Cell-specific Deletion of α-Mannosidase II Ameliorates Experimental Colitis. *Cell Structure and Function*, **2018**, 43, 25-39	2.2	8

25	Regulation of inflammatory response of macrophages and induction of regulatory T cells by using retinoic acid-loaded nanostructured lipid carrier. *Journal of Biomaterials Science, Polymer Edition*, **2019**, 30, 1-11	3.5	8
24	Application of a mouse ligated Peyer patch intestinal loop assay to evaluate bacterial uptake by M cells. *Journal of Visualized Experiments*, **2011**,	1.6	7
23	Mucin-Derived O-Glycans Act as Endogenous Fiber and Sustain Mucosal Immune Homeostasis via Short-Chain Fatty Acid Production in Rat Cecum. *Journal of Nutrition*, **2020**, 150, 2656-2665	4.1	7
22	Pancreatic glycoprotein 2 is a first line of defense for mucosal protection in intestinal inflammation. *Nature Communications*, **2021**, 12, 1067	17.4	6
21	Protection of gut microbiome from antibiotics: development of a vancomycin-specific adsorbent with high adsorption capacity. *Bioscience of Microbiota, Food and Health*, **2020**, 39, 128-136	3.2	5
20	Profiling of tumour-associated microbiota in human hepatocellular carcinoma. *Scientific Reports*, **2021**, 11, 10589	4.9	4
19	Adverse effects of methylmercury on gut bacteria and accelerated accumulation of mercury in organs due to disruption of gut microbiota. *Journal of Toxicological Sciences*, **2021**, 46, 91-97	1.9	4
18	Protective Role of the M-Sec-Tunneling Nanotube System in Podocytes. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 1114-1130	12.7	3
17	Pitfalls in global normalization of ChIP-seq data in CD4(+) T cells treated with butyrate: A possible solution strategy. *Genomics Data*, **2014**, 2, 176-80		2
16	Amino Acid-Based Diet Prevents Lethal Infectious Diarrhea by Maintaining Body Water Balance in a Murine Infection Model. *Nutrients*, **2021**, 13,	6.7	2
15	Gut microbiota, determined by dietary nutrients, drive modification of the plasma lipid profile and insulin resistance. *IScience*, **2021**, 24, 102445	6.1	2
14	A Retinoid X Receptor Agonist Directed to the Large Intestine Ameliorates T-Cell-Mediated Colitis in Mice. *Frontiers in Pharmacology*, **2021**, 12, 715752	5.6	2
13	Intestinal immunity: to be, or not to be, induced? That is the question. *International Immunology*, **2021**, 33, 755-759	4.9	2
12	Commensal microbiota-derived signals regulate host immune system through epigenetic modifications. *Inflammation and Regeneration*, **2015**, 35, 129-136	10.9	1
11	Mucosal barriology: The molecular machinery and physiological significance of multiple epithelial barriers. *Inflammation and Regeneration*, **2015**, 35, 003-013	10.9	1
10	Polyamines polarized Th2/Th9 cell-fate decision by regulating GATA3 expression. *Archives of Biochemistry and Biophysics*, **2020**, 693, 108587	4.1	1
9	Polyvinyl Butyrate Nanoparticles as Butyrate Donors for Colitis Treatment.. *ACS Applied Bio Materials*, **2021**, 4, 2335-2341	4.1	1
8	Identification of Novel Histone Deacetylase 6-Selective Inhibitors Bearing 3,3,3-Trifluorolactic Amide (TFLAM) Motif as a Zinc Binding Group. *ChemBioChem*, **2021**, 22, 3158-3163	3.8	1

7	Characterization of M Cells in Tear Duct-Associated Lymphoid Tissue of Mice: A Potential Role in Immunosurveillance on the Ocular Surface. *Frontiers in Immunology*, **2021**, 12, 779709	8.4	0
6	Specific adsorption of a β-lactam antibiotic by an anion-exchange resin for protection of the intestinal microbiota. *Biomaterials Science*, **2021**, 9, 7219-7227	7.4	0
5	Gut microbiota reinforce host antioxidant capacity via the generation of reactive sulfur species.. *Cell Reports*, **2022**, 38, 110479	10.6	0
4	Zinc transporter SLC39A7/ZIP7 is essential for intestinal homeostatic self-renewal. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO2-6-37	0	
3	Microbiota and allergy. *Nihon Shoni Arerugi Gakkaishi the Japanese Journal of Pediatric Allergy and Clinical Immunology*, **2018**, 32, 1-8	0.1	
2	AP-1B Facilitates Epithelial Barrier Functions in the Gut. *Membrane*, **2014**, 38, 181-185	0	
1	Safety and tolerability of medicinal parasite ova (Trichuris suis) in healthy Japanese volunteers: A randomized, double-blind, placebo-controlled trial. *Parasitology International*, **2021**, 85, 102441	2.1	