

Koji Hase

List of Publications by Year in Descending Order

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Version: 2024-04-26

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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.

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	Gut microbiota reinforce host antioxidant capacity via the generation of reactive sulfur species.. <i>Cell Reports</i> , 2022 , 38, 110479	10.6	0
77	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	8.4	0
76	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	12.7	3
75	Partners in Leaky Gut Syndrome: Intestinal Dysbiosis and Autoimmunity. <i>Frontiers in Immunology</i> , 2021 , 12, 673708	8.4	16
74	Symbiotic polyamine metabolism regulates epithelial proliferation and macrophage differentiation in the colon. <i>Nature Communications</i> , 2021 , 12, 2105	17.4	16
73	Amino Acid-Based Diet Prevents Lethal Infectious Diarrhea by Maintaining Body Water Balance in a Murine Infection Model. <i>Nutrients</i> , 2021 , 13,	6.7	2
72	Profiling of tumour-associated microbiota in human hepatocellular carcinoma. <i>Scientific Reports</i> , 2021 , 11, 10589	4.9	4
71	Gut microbiota, determined by dietary nutrients, drive modification of the plasma lipid profile and insulin resistance. <i>IScience</i> , 2021 , 24, 102445	6.1	2
70	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	1.9	4
69	Specific adsorption of a β -lactam antibiotic by an anion-exchange resin for protection of the intestinal microbiota. <i>Biomaterials Science</i> , 2021 , 9, 7219-7227	7.4	0
68	Polyvinyl Butyrate Nanoparticles as Butyrate Donors for Colitis Treatment.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 2335-2341	4.1	1
67	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
66	Identification of Novel Histone Deacetylase 6-Selective Inhibitors Bearing 3,3,3-Trifluorolactic Amide (TFLAM) Motif as a Zinc Binding Group. <i>ChemBioChem</i> , 2021 , 22, 3158-3163	3.8	1
65	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	5.6	2
64	Intestinal immunity: to be, or not to be, induced? That is the question. <i>International Immunology</i> , 2021 , 33, 755-759	4.9	2
63	Commensal microbe-derived acetate suppresses NAFLD/NASH development via hepatic FFAR2 signalling in mice. <i>Microbiome</i> , 2021 , 9, 188	16.6	10
62	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	2.1	

61	Maternal gut microbiota in pregnancy influences offspring metabolic phenotype in mice. <i>Science</i> , 2020 , 367,	33.3	126
60	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
59	Osteoprotegerin-dependent M cell self-regulation balances gut infection and immunity. <i>Nature Communications</i> , 2020 , 11, 234	17.4	19
58	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	3.2	5
57	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
56	Polyamines polarized Th2/Th9 cell-fate decision by regulating GATA3 expression. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 693, 108587	4.1	1
55	Microbiota-derived butyrate limits the autoimmune response by promoting the differentiation of follicular regulatory T cells. <i>EBioMedicine</i> , 2020 , 58, 102913	8.8	31
54	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	4.1	7
53	Dietary Intervention Impacts Immune Cell Functions and Dynamics by Inducing Metabolic Rewiring. <i>Frontiers in Immunology</i> , 2020 , 11, 623989	8.4	9
52	Mucin O-glycans facilitate symbiosynthesis to maintain gut immune homeostasis. <i>EBioMedicine</i> , 2019 , 48, 513-525	8.8	30
51	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	11.5	26
50	Maintenance of Intestinal Epithelial Homeostasis by Zinc Transporters. <i>Digestive Diseases and Sciences</i> , 2019 , 64, 2404-2415	4	11
49	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	16.6	21
48	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	3.5	8
47	Fasting-Refeeding Impacts Immune Cell Dynamics and Mucosal Immune Responses. <i>Cell</i> , 2019 , 178, 1072-1087	50.87	64
46	Mast cells play role in wound healing through the ZnT2/GPR39/IL-6 axis. <i>Scientific Reports</i> , 2019 , 9, 10842	4.9	17
45	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	8.4	12
44	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	8.4	49

43	A partial agonist for retinoid X receptor mitigates experimental colitis. <i>International Immunology</i> , 2019 , 31, 251-262	4.9	12
42	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	50.5	72
41	Intestinal Epithelial Cell-specific Deletion of β -Mannosidase II Ameliorates Experimental Colitis. <i>Cell Structure and Function</i> , 2018 , 43, 25-39	2.2	8
40	Therapeutic effect of vitamin D-containing nanostructured lipid carriers on inflammatory bowel disease. <i>Journal of Controlled Release</i> , 2018 , 286, 94-102	11.7	14
39	Macrophages Switch Their Phenotype by Regulating Maf Expression during Different Phases of Inflammation. <i>Journal of Immunology</i> , 2018 , 201, 635-651	5.3	17
38	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	
37	Microbiota and allergy. <i>Nihon Shoni Alerugi Gakkaiishi the Japanese Journal of Pediatric Allergy and Clinical Immunology</i> , 2018 , 32, 1-8	0.1	
36	Oral Administration of Porphyromonas gingivalis Alters the Gut Microbiome and Serum Metabolome. <i>MSphere</i> , 2018 , 3,	5	55
35	M cell-dependent antigen uptake on follicle-associated epithelium for mucosal immune surveillance. <i>Inflammation and Regeneration</i> , 2018 , 38, 15	10.9	22
34	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
33	Attenuation of CD4CD25 Regulatory T Cells in the Tumor Microenvironment by Metformin, a Type 2 Diabetes Drug. <i>EBioMedicine</i> , 2017 , 25, 154-164	8.8	65
32	The diet-microbiota-metabolite axis regulates the host physiology. <i>Journal of Biochemistry</i> , 2016 , 160, 1-10	3.1	15
31	Zinc Transporter SLC39A7/ZIP7 Promotes Intestinal Epithelial Self-Renewal by Resolving ER Stress. <i>PLoS Genetics</i> , 2016 , 12, e1006349	6	58
30	EAF2 mediates germinal centre B-cell apoptosis to suppress excessive immune responses and prevent autoimmunity. <i>Nature Communications</i> , 2016 , 7, 10836	17.4	18
29	Fine-tuning of the mucosal barrier and metabolic systems using the diet-microbial metabolite axis. <i>International Immunopharmacology</i> , 2016 , 37, 79-86	5.8	11
28	Botulinum toxin A complex exploits intestinal M cells to enter the host and exert neurotoxicity. <i>Nature Communications</i> , 2015 , 6, 6255	17.4	56
27	MUCOSAL IMMUNOLOGY. The microbiota regulates type 2 immunity through ROR γ ⁺ T cells. <i>Science</i> , 2015 , 349, 989-93	33.3	494
26	Commensal microbiota-derived signals regulate host immune system through epigenetic modifications. <i>Inflammation and Regeneration</i> , 2015 , 35, 129-136	10.9	1

25	Mucosal barrierology: The molecular machinery and physiological significance of multiple epithelial barriers. <i>Inflammation and Regeneration</i> , 2015 , 35, 003-013	10.9	1
24	Epigenetic modifications of the immune system in health and disease. <i>Immunology and Cell Biology</i> , 2015 , 93, 226-32	5	73
23	The epigenetic regulator Uhrf1 facilitates the proliferation and maturation of colonic regulatory T cells. <i>Nature Immunology</i> , 2014 , 15, 571-9	19.1	125
22	Gut microbiota-generated metabolites in animal health and disease. <i>Nature Chemical Biology</i> , 2014 , 10, 416-24	11.7	388
21	Epithelial-stromal interaction via Notch signaling is essential for the full maturation of gut-associated lymphoid tissues. <i>EMBO Reports</i> , 2014 , 15, 1297-304	6.5	10
20	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, 176-80		2
19	The Role of the Clathrin Adaptor AP-1: Polarized Sorting and Beyond. <i>Membranes</i> , 2014 , 4, 747-63	3.8	34
18	AP β Facilitates Epithelial Barrier Functions in the Gut. <i>Membrane</i> , 2014 , 38, 181-185	0	
17	Commensal microbe-derived butyrate induces the differentiation of colonic regulatory T cells. <i>Nature</i> , 2013 , 504, 446-50	50.4	2810
16	Microbiota-derived lactate accelerates colon epithelial cell turnover in starvation-refed mice. <i>Nature Communications</i> , 2013 , 4, 1654	17.4	86
15	Tunneling nanotubes: emerging view of their molecular components and formation mechanisms. <i>Experimental Cell Research</i> , 2012 , 318, 1699-706	4.2	46
14	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	11.5	89
13	The Ets transcription factor Spi-B is essential for the differentiation of intestinal microfold cells. <i>Nature Immunology</i> , 2012 , 13, 729-36	19.1	147
12	Cutting Edge: Brucella abortus exploits a cellular prion protein on intestinal M cells as an invasive receptor. <i>Journal of Immunology</i> , 2012 , 189, 1540-4	5.3	65
11	Bifidobacteria can protect from enteropathogenic infection through production of acetate. <i>Nature</i> , 2011 , 469, 543-7	50.4	1423
10	Application of a mouse ligated Peyer β patch intestinal loop assay to evaluate bacterial uptake by M cells. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	7
9	Glycoprotein 2 (GP2): grabbing the FimH bacteria into M cells for mucosal immunity. <i>Gut Microbes</i> , 2010 , 1, 407-10	8.8	58
8	New approach for m-cell-specific molecules screening by comprehensive transcriptome analysis. <i>DNA Research</i> , 2009 , 16, 227-35	4.5	50

7	Uptake through glycoprotein 2 of FimH(+) bacteria by M cells initiates mucosal immune response. <i>Nature</i> , 2009 , 462, 226-30	50.4	443
6	M-Sec promotes membrane nanotube formation by interacting with Ral and the exocyst complex. <i>Nature Cell Biology</i> , 2009 , 11, 1427-32	23.4	227
5	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
4	Activation-induced cytidine deaminase deficiency causes organ-specific autoimmune disease. <i>PLoS ONE</i> , 2008 , 3, e3033	3.7	48
3	Construction of an open-access database that integrates cross-reference information from the transcriptome and proteome of immune cells. <i>Bioinformatics</i> , 2007 , 23, 2934-41	7.2	67
2	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	5.3	75
1	Distinct gene expression profiles characterize cellular phenotypes of follicle-associated epithelium and M cells. <i>DNA Research</i> , 2005 , 12, 127-37	4.5	72