

Nobuhiko Kamada

List of Publications by Citations

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104
papers

11,197
citations

50
h-index

105
g-index

120
ext. papers

14,062
ext. citations

12.1
avg, IF

6.33
L-index

#	Paper	IF	Citations
104	Role of the gut microbiota in immunity and inflammatory disease. <i>Nature Reviews Immunology</i> , 2013 , 13, 321-35	36.5	1263
103	A Dietary Fiber-Deprived Gut Microbiota Degrades the Colonic Mucus Barrier and Enhances Pathogen Susceptibility. <i>Cell</i> , 2016 , 167, 1339-1353.e21	56.2	1149
102	Control of pathogens and pathobionts by the gut microbiota. <i>Nature Immunology</i> , 2013 , 14, 685-90	19.1	866
101	Th17 Cell Induction by Adhesion of Microbes to Intestinal Epithelial Cells. <i>Cell</i> , 2015 , 163, 367-80	56.2	612
100	Unique CD14 intestinal macrophages contribute to the pathogenesis of Crohn disease via IL-23/IFN-gamma axis. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2269-80	15.9	430
99	Regulated virulence controls the ability of a pathogen to compete with the gut microbiota. <i>Science</i> , 2012 , 336, 1325-9	33.3	418
98	IL23 differentially regulates the Th1/Th17 balance in ulcerative colitis and Crohn's disease. <i>Gut</i> , 2008 , 57, 1682-9	19.2	401
97	NLR4-driven production of IL-1 β discriminates between pathogenic and commensal bacteria and promotes host intestinal defense. <i>Nature Immunology</i> , 2012 , 13, 449-56	19.1	293
96	Microbiota-induced IL-1 β but not IL-6, is critical for the development of steady-state TH17 cells in the intestine. <i>Journal of Experimental Medicine</i> , 2012 , 209, 251-8	16.6	253
95	Imbalance in intestinal microflora constitution could be involved in the pathogenesis of inflammatory bowel disease. <i>International Journal of Medical Microbiology</i> , 2008 , 298, 463-72	3.7	229
94	Distinct Commensals Induce Interleukin-1 β via NLRP3 Inflammasome in Inflammatory Monocytes to Promote Intestinal Inflammation in Response to Injury. <i>Immunity</i> , 2015 , 42, 744-55	32.3	192
93	Th1/Th17 immune response is induced by mesenteric lymph node dendritic cells in Crohn's disease. <i>Gastroenterology</i> , 2009 , 137, 1736-45	13.3	182
92	Imbalance of NKp44(+)NKp46(-) and NKp44(-)NKp46(+) natural killer cells in the intestinal mucosa of patients with Crohn's disease. <i>Gastroenterology</i> , 2010 , 139, 882-92, 892.e1-3	13.3	177
91	Regulation of the immune system by the resident intestinal bacteria. <i>Gastroenterology</i> , 2014 , 146, 1477-88	33.3	176
90	Abnormally differentiated subsets of intestinal macrophage play a key role in Th1-dominant chronic colitis through excess production of IL-12 and IL-23 in response to bacteria. <i>Journal of Immunology</i> , 2005 , 175, 6900-8	5.3	174
89	The Nod2 sensor promotes intestinal pathogen eradication via the chemokine CCL2-dependent recruitment of inflammatory monocytes. <i>Immunity</i> , 2011 , 34, 769-80	32.3	172
88	A single strain of <i>Clostridium butyricum</i> induces intestinal IL-10-producing macrophages to suppress acute experimental colitis in mice. <i>Cell Host and Microbe</i> , 2013 , 13, 711-22	23.4	171

87	Hyaluronic acid-bilirubin nanomedicine for targeted modulation of dysregulated intestinal barrier, microbiome and immune responses in colitis. <i>Nature Materials</i> , 2020 , 19, 118-126	27	151
86	Microbiota-Derived Lactate Accelerates Intestinal Stem-Cell-Mediated Epithelial Development. <i>Cell Host and Microbe</i> , 2018 , 24, 833-846.e6	23.4	143
85	Nucleotide-binding oligomerization domain 1 mediates recognition of <i>Clostridium difficile</i> and induces neutrophil recruitment and protection against the pathogen. <i>Journal of Immunology</i> , 2011 , 186, 4872-80	5.3	138
84	Gut pathobionts underlie intestinal barrier dysfunction and liver T helper 17 cell immune response in primary sclerosing cholangitis. <i>Nature Microbiology</i> , 2019 , 4, 492-503	26.6	126
83	Functional Characterization of Inflammatory Bowel Disease-Associated Gut Dysbiosis in Gnotobiotic Mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016 , 2, 468-481	7.9	123
82	Inactivation of multiple tumor-suppressor genes involved in negative regulation of the cell cycle, MTS1/p16INK4A/CDKN2, MTS2/p15INK4B, p53, and Rb genes in primary lymphoid malignancies. <i>Blood</i> , 1996 , 87, 4949-4958	2.2	120
81	TGR5 signalling inhibits the production of pro-inflammatory cytokines by in vitro differentiated inflammatory and intestinal macrophages in Crohn's disease. <i>Immunology</i> , 2013 , 139, 19-29	7.8	113
80	Loss of the cyclin-dependent kinase 4-inhibitor (p16; MTS1) gene is frequent in and highly specific to lymphoid tumors in primary human hematopoietic malignancies. <i>Blood</i> , 1995 , 86, 1548-1556	2.2	111
79	Dietary histidine ameliorates murine colitis by inhibition of proinflammatory cytokine production from macrophages. <i>Gastroenterology</i> , 2009 , 136, 564-74.e2	13.3	108
78	The Intermucosal Connection between the Mouth and Gut in Commensal Pathobiont-Driven Colitis. <i>Cell</i> , 2020 , 182, 447-462.e14	56.2	103
77	Interleukin-22 regulates the complement system to promote resistance against pathobionts after pathogen-induced intestinal damage. <i>Immunity</i> , 2014 , 41, 620-32	32.3	100
76	Monocyte chemoattractant protein-1 contributes to gut homeostasis and intestinal inflammation by composition of IL-10-producing regulatory macrophage subset. <i>Journal of Immunology</i> , 2010 , 184, 2671-6	5.3	100
75	Human CD14+ macrophages in intestinal lamina propria exhibit potent antigen-presenting ability. <i>Journal of Immunology</i> , 2009 , 183, 1724-31	5.3	99
74	Role of the gut microbiota in the development and function of lymphoid cells. <i>Journal of Immunology</i> , 2013 , 190, 1389-95	5.3	98
73	Protective role of commensals against <i>Clostridium difficile</i> infection via an IL-1 β -mediated positive-feedback loop. <i>Journal of Immunology</i> , 2012 , 189, 3085-91	5.3	98
72	TL1A produced by lamina propria macrophages induces Th1 and Th17 immune responses in cooperation with IL-23 in patients with Crohn's disease. <i>Inflammatory Bowel Diseases</i> , 2010 , 16, 568-75	4.5	94
71	Humoral Immunity in the Gut Selectively Targets Phenotypically Virulent Attaching-and-Effacing Bacteria for Intraluminal Elimination. <i>Cell Host and Microbe</i> , 2015 , 17, 617-27	23.4	89
70	Pathogenic role of the gut microbiota in gastrointestinal diseases. <i>Intestinal Research</i> , 2016 , 14, 127-38	4.1	86

69	Host-microbial Cross-talk in Inflammatory Bowel Disease. <i>Immune Network</i> , 2017 , 17, 1-12	6.1	85
68	Increased Expression of DUOX2 Is an Epithelial Response to Mucosal Dysbiosis Required for Immune Homeostasis in Mouse Intestine. <i>Gastroenterology</i> , 2015 , 149, 1849-59	13.3	79
67	Bile acids induce monocyte differentiation toward interleukin-12 hypo-producing dendritic cells via a TGR5-dependent pathway. <i>Immunology</i> , 2012 , 136, 153-62	7.8	78
66	The Role of Dietary Nutrients in Inflammatory Bowel Disease. <i>Frontiers in Immunology</i> , 2018 , 9, 3183	8.4	77
65	NFIL3 is a regulator of IL-12 p40 in macrophages and mucosal immunity. <i>Journal of Immunology</i> , 2011 , 186, 4649-55	5.3	75
64	Lamina propria c-kit+ immune precursors reside in human adult intestine and differentiate into natural killer cells. <i>Gastroenterology</i> , 2007 , 133, 559-73	13.3	72
63	Bile acid metabolism regulated by the gut microbiota promotes non-alcoholic steatohepatitis-associated hepatocellular carcinoma in mice. <i>Oncotarget</i> , 2018 , 9, 9925-9939	3.3	64
62	Exclusive increase of CX3CR1+CD28-CD4+ T cells in inflammatory bowel disease and their recruitment as intraepithelial lymphocytes. <i>Inflammatory Bowel Diseases</i> , 2007 , 13, 837-46	4.5	61
61	Nod2-mediated recognition of the microbiota is critical for mucosal adjuvant activity of cholera toxin. <i>Nature Medicine</i> , 2016 , 22, 524-30	50.5	59
60	Interleukin-22-mediated host glycosylation prevents <i>Clostridioides difficile</i> infection by modulating the metabolic activity of the gut microbiota. <i>Nature Medicine</i> , 2020 , 26, 608-617	50.5	58
59	The ever-expanding function of NOD2: autophagy, viral recognition, and T cell activation. <i>Trends in Immunology</i> , 2011 , 32, 73-9	14.4	57
58	The Bacterial Connection between the Oral Cavity and the Gut Diseases. <i>Journal of Dental Research</i> , 2020 , 99, 1021-1029	8.1	55
57	Nonpathogenic <i>Escherichia coli</i> strain Nissle1917 prevents murine acute and chronic colitis. <i>Inflammatory Bowel Diseases</i> , 2005 , 11, 455-63	4.5	55
56	Inhibition of neutrophil elastase prevents the development of murine dextran sulfate sodium-induced colitis. <i>Journal of Gastroenterology</i> , 2006 , 41, 318-24	6.9	52
55	Intestinal macrophages arising from CCR2(+) monocytes control pathogen infection by activating innate lymphoid cells. <i>Nature Communications</i> , 2015 , 6, 8010	17.4	51
54	A specific gene-microbe interaction drives the development of Crohn's disease-like colitis in mice. <i>Science Immunology</i> , 2019 , 4,	2.8	50
53	Intestinal Dysbiosis and Biotin Deprivation Induce Alopecia through Overgrowth of <i>Lactobacillus murinus</i> in Mice. <i>Cell Reports</i> , 2017 , 20, 1513-1524	10.6	50
52	Nonpathogenic <i>Escherichia coli</i> strain Nissle 1917 inhibits signal transduction in intestinal epithelial cells. <i>Infection and Immunity</i> , 2008 , 76, 214-20	3.7	49

51	Quantitative proteomics identifies STEAP4 as a critical regulator of mitochondrial dysfunction linking inflammation and colon cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E9608-E9617	11.5	45
50	Commensal <i>Lactobacillus</i> Controls Immune Tolerance during Acute Liver Injury in Mice. <i>Cell Reports</i> , 2017 , 21, 1215-1226	10.6	44
49	Cross-talk between ROR γ ⁺ innate lymphoid cells and intestinal macrophages induces mucosal IL-22 production in Crohn's disease. <i>Inflammatory Bowel Diseases</i> , 2014 , 20, 1426-34	4.5	43
48	Tryptophan catabolism restricts IFN- γ -expressing neutrophils and <i>Clostridium difficile</i> immunopathology. <i>Journal of Immunology</i> , 2014 , 193, 807-16	5.3	42
47	Retinoic acid contributes to the induction of IL-12-hypoproducing dendritic cells. <i>Inflammatory Bowel Diseases</i> , 2009 , 15, 1548-56	4.5	41
46	Dietary L-serine confers a competitive fitness advantage to Enterobacteriaceae in the inflamed gut. <i>Nature Microbiology</i> , 2020 , 5, 116-125	26.6	39
45	IL-10 produced by macrophages regulates epithelial integrity in the small intestine. <i>Scientific Reports</i> , 2019 , 9, 1223	4.9	37
44	Activated hepatic stellate cells mediate the differentiation of macrophages. <i>Hepatology Research</i> , 2013 , 43, 658-69	5.1	37
43	Competition between colitogenic Th1 and Th17 cells contributes to the amelioration of colitis. <i>European Journal of Immunology</i> , 2010 , 40, 2409-22	6.1	35
42	Regulation of virulence: the rise and fall of gastrointestinal pathogens. <i>Journal of Gastroenterology</i> , 2016 , 51, 195-205	6.9	33
41	Flagellin-mediated activation of IL-33-ST2 signaling by a pathobiont promotes intestinal fibrosis. <i>Mucosal Immunology</i> , 2019 , 12, 632-643	9.2	32
40	IL-22 Controls Iron-Dependent Nutritional Immunity Against Systemic Bacterial Infections. <i>Science Immunology</i> , 2017 , 2,	28	30
39	Diet-dependent, microbiota-independent regulation of IL-10-producing lamina propria macrophages in the small intestine. <i>Scientific Reports</i> , 2016 , 6, 27634	4.9	30
38	Gut microbiota-mediated generation of saturated fatty acids elicits inflammation in the liver in murine high-fat diet-induced steatohepatitis. <i>BMC Gastroenterology</i> , 2017 , 17, 136	3	29
37	Clinical strategies for the blockade of IL-18 in inflammatory bowel diseases. <i>Current Drug Targets</i> , 2013 , 14, 1392-9	3	27
36	TAC1 deficiency enhances antibody avidity and clearance of an intestinal pathogen. <i>Journal of Clinical Investigation</i> , 2014 , 124, 4857-66	15.9	26
35	A complex microworld in the gut: Harnessing pathogen-commensal relations. <i>Nature Medicine</i> , 2012 , 18, 1190-1	50.5	24
34	Homeostatic (IL-7) and effector (IL-17) cytokines as distinct but complementary target for an optimal therapeutic strategy in inflammatory bowel disease. <i>Current Opinion in Gastroenterology</i> , 2009 , 25, 306-13	3	24

33	Establishment of novel prediction system of intestinal absorption in humans using human intestinal tissues. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 2564-71	3.9	20
32	CD4+ Tissue-resident Memory T Cells Expand and Are a Major Source of Mucosal Tumour Necrosis Factor γ In Active Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2019 , 13, 905-915	1.5	19
31	Multiple effects of dendritic cell depletion on murine norovirus infection. <i>Journal of General Virology</i> , 2013 , 94, 1761-1768	4.9	19
30	Generation of systemic antitumour immunity via the in situ modulation of the gut microbiome by an orally administered inulin gel. <i>Nature Biomedical Engineering</i> , 2021 , 5, 1377-1388	19	19
29	Expression and regulation of proton-coupled oligopeptide transporters in colonic tissue and immune cells of mice. <i>Biochemical Pharmacology</i> , 2018 , 148, 163-173	6	17
28	Macrophages and dendritic cells emerge in the liver during intestinal inflammation and predispose the liver to inflammation. <i>PLoS ONE</i> , 2014 , 9, e84619	3.7	16
27	Tetomilast suppressed production of proinflammatory cytokines from human monocytes and ameliorated chronic colitis in IL-10-deficient mice. <i>Inflammatory Bowel Diseases</i> , 2008 , 14, 1483-90	4.5	16
26	Indoleamine 2,3-Dioxygenase 1, Increased in Human Gastric Pre-Neoplasia, Promotes Inflammation and Metaplasia in Mice and Is Associated With Type II Hypersensitivity/Autoimmunity. <i>Gastroenterology</i> , 2018 , 154, 140-153.e17	13.3	15
25	Fecal microbiota transplantation prevents <i>Candida albicans</i> from colonizing the gastrointestinal tract. <i>Microbiology and Immunology</i> , 2019 , 63, 155-163	2.7	14
24	Both exogenous commensal and endogenous self antigens stimulate T cell proliferation under lymphopenic conditions. <i>Cellular Immunology</i> , 2012 , 272, 117-23	4.4	12
23	Aim2-mediated/IFN- γ -independent regulation of gastric metaplastic lesions via CD8+ T cells. <i>JCI Insight</i> , 2020 , 5,	9.9	12
22	The Butyrate-Producing Bacterium Suppresses Infection via Neutrophil- and Antimicrobial Cytokine-Dependent but GPR43/109a-Independent Mechanisms. <i>Journal of Immunology</i> , 2021 , 206, 1578-1585 ¹²	5.3	12
21	<i>Citrobacter rodentium</i> Induces Tissue-Resident Memory CD4 T Cells. <i>Infection and Immunity</i> , 2019 , 87,	3.7	11
20	Microbial adaptation to the healthy and inflamed gut environments. <i>Gut Microbes</i> , 2020 , 12, 1857505	8.8	8
19	Diet-Microbiota Interactions in Inflammatory Bowel Disease. <i>Nutrients</i> , 2021 , 13,	6.7	8
18	The Innate Immune System: A Trigger for Many Chronic Inflammatory Intestinal Diseases. <i>Inflammatory Intestinal Diseases</i> , 2016 , 1, 70-77	2.5	8
17	The regenerating family member 3 instigates IL-17A-mediated neutrophil recruitment downstream of NOD1/2 signalling for controlling colonisation resistance independently of microbiota community structure. <i>Gut</i> , 2019 , 68, 1190-1199	19.2	8
16	Interaction between the inflammasome and commensal microorganisms in gastrointestinal health and disease. <i>EMBO Molecular Medicine</i> , 2021 , 13, e13452	12	6

15	Lipopolysaccharide O structure of adherent and invasive Escherichia coli regulates intestinal inflammation via complement C3. <i>PLoS Pathogens</i> , 2020 , 16, e1008928	7.6	6
14	DUOX2 variants associate with preclinical disturbances in microbiota-immune homeostasis and increased inflammatory bowel disease risk. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	6
13	Intracellular bacteria recognition contributes to maximal interleukin (IL)-12 production by IL-10-deficient macrophages. <i>Clinical and Experimental Immunology</i> , 2011 , 164, 137-44	6.2	5
12	Regional Control of Regulatory Immune Cells in the Intestine. <i>Current Pathobiology Reports</i> , 2018 , 6, 29-34	2	4
11	Mesenchymal Cell-Specific MyD88 Signaling Promotes Systemic Dissemination of via Inflammatory Monocytes. <i>Journal of Immunology</i> , 2017 , 199, 1362-1371	5.3	3
10	Oral nanomedicine for modulating immunity, intestinal barrier functions, and gut microbiome. <i>Advanced Drug Delivery Reviews</i> , 2021 , 179, 114021	18.5	3
9	The pathogenic oral-gut-liver axis: new understandings and clinical implications. <i>Expert Review of Clinical Immunology</i> , 2021 , 17, 727-736	5.1	3
8	Inflammatory bowel disease and carcinogenesis.. <i>Cancer and Metastasis Reviews</i> , 2022 , 1	9.6	3
7	A novel apoptosis-inducing monoclonal antibody (anti-LHK) against a cell surface antigen on colon cancer cells. <i>Journal of Gastroenterology</i> , 2005 , 40, 945-55	6.9	2
6	Regional control of regulatory immune cells in the intestine. <i>Current Pathobiology Reports</i> , 2018 , 6, 29-34		2
5	Role of the gut microbiota in immunity and inflammatory disease		1
4	Natural IgA and TNFRSF13B polymorphism: a double edged sword fueling balancing selection		1
3	Periodontal connection with intestinal inflammation: Microbiological and immunological mechanisms.. <i>Periodontology 2000</i> , 2022 ,	12.9	1
2	Contribution of the Gut Microbiota to Intestinal Fibrosis in Crohn's Disease.. <i>Frontiers in Medicine</i> , 2022 , 9, 826240	4.9	0
1	The activation of the NLRC4 inflammasome by pathogenic bacteria breaks intestinal phagocytic cells anergy and promotes host defense. <i>Inflammatory Bowel Diseases</i> , 2011 , 17, S67	4.5	