Nobuhiko Kamada

List of Publications by Year
in descending order

115	16,318	25034	24258
papers	citations	57 h-index	110 g-index

120	120	120	21973
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Dietary Fiber-Deprived Gut Microbiota Degrades the Colonic Mucus Barrier and Enhances Pathogen Susceptibility. Cell, 2016, 167, 1339-1353.e21.	28.9	1,882
2	Role of the gut microbiota in immunity and inflammatory disease. Nature Reviews Immunology, 2013, 13, 321-335.	22.7	1,771
3	Control of pathogens and pathobionts by the gut microbiota. Nature Immunology, 2013, 14, 685-690.	14.5	1,217
4	Th17 Cell Induction by Adhesion of Microbes to Intestinal Epithelial Cells. Cell, 2015, 163, 367-380.	28.9	846
5	Unique CD14+ intestinal macrophages contribute to the pathogenesis of Crohn disease via IL-23/IFN-Î³ axis. Journal of Clinical Investigation, 2008, 118, 2269-80.	8.2	559
6	Regulated Virulence Controls the Ability of a Pathogen to Compete with the Gut Microbiota. Science, 2012, 336, 1325-1329.	12.6	546
7	IL23 differentially regulates the Th1/Th17 balance in ulcerative colitis and Crohn's disease. Gut, 2008, 57, 1682-1689.	12.1	470
8	Hyaluronic acidâ€“bilirubin nanomedicine for targeted modulation of dysregulated intestinal barrier, microbiome and immune responses in colitis. Nature Materials, 2020, 19, 118-126.	27.5	370
9	NLRC4-driven production of IL-1Î² discriminates between pathogenic and commensal bacteria and promotes host intestinal defense. Nature Immunology, 2012, 13, 449-456.	14.5	347
10	The Intermucosal Connection between the Mouth and Gut in Commensal Pathobiont-Driven Colitis. Cell, 2020, 182, 447-462.e14.	28.9	314
11	Microbiota-induced IL-1Î², but not IL-6, is critical for the development of steady-state TH17 cells in the intestine. Journal of Experimental Medicine, 2012, 209, 251-258.	8.5	289
12	Imbalance in intestinal microflora constitution could be involved in the pathogenesis of inflammatory bowel disease. International Journal of Medical Microbiology, 2008, 298, 463-472.	3.6	281
13	Microbiota-Derived Lactate Accelerates Intestinal Stem-Cell-Mediated Epithelial Development. Cell Host and Microbe, 2018, 24, 833-846.e6.	11.0	277
14	Gut pathobionts underlie intestinal barrier dysfunction and liver T helper 17 cell immune response in primary sclerosing cholangitis. Nature Microbiology, 2019, 4, 492-503.	13.3	270
15	Distinct Commensals Induce Interleukin-1Î² via NLRP3 Inflammasome in Inflammatory Monocytes to Promote Intestinal Inflammation in Response to Injury. Immunity, 2015, 42, 744-755.	14.3	259
16	A Single Strain of Clostridium butyricum Induces Intestinal IL-10-Producing Macrophages to Suppress Acute Experimental Colitis in Mice. Cell Host and Microbe, 2013, 13, 711-722.	11.0	241
17	Regulation of the Immune System by the Resident Intestinal Bacteria. Gastroenterology, 2014, 146, 1477-1488.	1.3	220
18	The Nod2 Sensor Promotes Intestinal Pathogen Eradication via the Chemokine CCL2-Dependent Recruitment of Inflammatory Monocytes. Immunity, 2011, 34, 769-780.	14.3	215

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19	Imbalance of NKp44+NKp46â^' and NKp44â^'NKp46+ Natural Killer Cells in the Intestinal Mucosa of Patients With Crohn's Disease. Gastroenterology, 2010, 139, 882-892.e3.	1.3	214
20	Th1/Th17 Immune Response Is Induced by Mesenteric Lymph Node Dendritic Cells in Crohn's Disease. Gastroenterology, 2009, 137, 1736-1745.	1.3	211
21	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. Journal of Immunology, 2005, 175, 6900-6908.	0.8	192
22	Functional Characterization of Inflammatory Bowel Diseaseâ€"Associated Gut Dysbiosis in Gnotobiotic Mice. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 468-481.	4.5	189
23	The Bacterial Connection between the Oral Cavity and the Gut Diseases. Journal of Dental Research, 2020, 99, 1021-1029.	5.2	162
24	<scp>TGR</scp>5 signalling inhibits the production of proâ€inflammatory cytokines by in vitro differentiated inflammatory and intestinal macrophages in Crohn's disease. Immunology, 2013, 139, 19-29.	4.4	156
25	Nucleotide-Binding Oligomerization Domain 1 Mediates Recognition of Clostridium difficile and Induces Neutrophil Recruitment and Protection against the Pathogen. Journal of Immunology, 2011, 186, 4872-4880.	0.8	155
26	Host-microbial Cross-talk in Inflammatory Bowel Disease. Immune Network, 2017, 17, 1.	3.6	147
27	Dietary Histidine Ameliorates Murine Colitis by Inhibition of Proinflammatory Cytokine Production From Macrophages. Gastroenterology, 2009, 136, 564-574.e2.	1.3	139
28	Role of the Gut Microbiota in the Development and Function of Lymphoid Cells. Journal of Immunology, 2013, 190, 1389-1395.	0.8	137
29	Interleukin-22-mediated host glycosylation prevents Clostridioides difficile infection by modulating the metabolic activity of the gut microbiota. Nature Medicine, 2020, 26, 608-617.	30.7	136
30	Humoral Immunity in the Gut Selectively Targets Phenotypically Virulent Attaching-and-Effacing Bacteria for Intraluminal Elimination. Cell Host and Microbe, 2015, 17, 617-627.	11.0	132
31	Monocyte Chemoattractant Protein-1 Contributes to Gut Homeostasis and Intestinal Inflammation by Composition of IL-10â€"Producing Regulatory Macrophage Subset. Journal of Immunology, 2010, 184, 2671-2676.	0.8	128
32	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. Blood, 1996, 87, 4949-4958.	1.4	125
33	Interleukin-22 Regulates the Complement System to Promote Resistance against Pathobionts after Pathogen-Induced Intestinal Damage. Immunity, 2014, 41, 620-632.	14.3	124
34	Increased Expression of DUOX2 Is an Epithelial Response toÂMucosal Dysbiosis Required for Immune Homeostasis inÂMouse Intestine. Gastroenterology, 2015, 149, 1849-1859.	1.3	120
35	The Role of Dietary Nutrients in Inflammatory Bowel Disease. Frontiers in Immunology, 2018, 9, 3183.	4.8	120
36	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. Blood, 1995, 86, 1548-1556.	1.4	116

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37	Bile acids induce monocyte differentiation toward interleukinâ€12 hypoâ€producing dendritic cells via a TGR5â€dependent pathway. Immunology, 2012, 136, 153-162.	4.4	116
38	Protective Role of Commensals against Clostridium difficile Infection via an IL-1Î²â€“Mediated Positive-Feedback Loop. Journal of Immunology, 2012, 189, 3085-3091.	0.8	110
39	Human CD14+ Macrophages in Intestinal Lamina Propria Exhibit Potent Antigen-Presenting Ability. Journal of Immunology, 2009, 183, 1724-1731.	0.8	108
40	Pathogenic role of the gut microbiota in gastrointestinal diseases. Intestinal Research, 2016, 14, 127.	2.6	108
41	TL1A produced by lamina propria macrophages induces Th1 and Th17 immune responses in cooperation with IL-23 in patients with CrohnÊ¼s disease. Inflammatory Bowel Diseases, 2010, 16, 568-575.	1.9	105
42	A specific gene-microbe interaction drives the development of Crohnâ€™s diseaseâ€“like colitis in mice. Science Immunology, 2019, 4, .	11.9	102
43	NFIL3 Is a Regulator of IL-12 p40 in Macrophages and Mucosal Immunity. Journal of Immunology, 2011, 186, 4649-4655.	0.8	101
44	Bile acid metabolism regulated by the gut microbiota promotes non-alcoholic steatohepatitis-associated hepatocellular carcinoma in mice. Oncotarget, 2018, 9, 9925-9939.	1.8	98
45	Generation of systemic antitumour immunity via the in situ modulation of the gut microbiome by an orally administered inulin gel. Nature Biomedical Engineering, 2021, 5, 1377-1388.	22.5	95
46	Nod2-mediated recognition of the microbiota is critical for mucosal adjuvant activity of cholera toxin. Nature Medicine, 2016, 22, 524-530.	30.7	94
47	Intestinal Dysbiosis and Biotin Deprivation Induce Alopecia through Overgrowth of Lactobacillus murinus in Mice. Cell Reports, 2017, 20, 1513-1524.	6.4	93
48	Dietary l-serine confers a competitive fitness advantage to Enterobacteriaceae in the inflamed gut. Nature Microbiology, 2020, 5, 116-125.	13.3	93
49	Intestinal macrophages arising from CCR2+ monocytes control pathogen infection by activating innate lymphoid cells. Nature Communications, 2015, 6, 8010.	12.8	86
50	Lamina Propria c-kit+ Immune Precursors Reside in Human Adult Intestine and Differentiate Into Natural Killer Cells. Gastroenterology, 2007, 133, 559-573.	1.3	77
51	Quantitative proteomics identifies STEAP4 as a critical regulator of mitochondrial dysfunction linking inflammation and colon cancer. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9608-E9617.	7.1	77
52	Exclusive increase of CX3CR1+CD28â^'CD4+ T cells in inflammatory bowel disease and their recruitment as intraepithelial lymphocytes. Inflammatory Bowel Diseases, 2007, 13, 837-846.	1.9	75
53	IL-10 produced by macrophages regulates epithelial integrity in the small intestine. Scientific Reports, 2019, 9, 1223.	3.3	72
54	Inhibition of neutrophil elastase prevents the development of murine dextran sulfate sodium-induced colitis. Journal of Gastroenterology, 2006, 41, 318-324.	5.1	67

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55	Commensal Lactobacillus Controls Immune Tolerance during Acute Liver Injury in Mice. Cell Reports, 2017, 21, 1215-1226.	6.4	67
56	The ever-expanding function of NOD2: autophagy, viral recognition, and T cell activation. Trends in Immunology, 2011, 32, 73-79.	6.8	66
57	Nonpathogenic Escherichia coli Strain Nissle1917 Prevents Murine Acute and Chronic Colitis. Inflammatory Bowel Diseases, 2005, 11, 455-463.	1.9	62
58	NonpathogenicEscherichia coliStrain Nissle 1917 Inhibits Signal Transduction in Intestinal Epithelial Cells. Infection and Immunity, 2008, 76, 214-220.	2.2	57
59	Flagellin-mediated activation of IL-33-ST2 signaling by a pathobiont promotes intestinal fibrosis. Mucosal Immunology, 2019, 12, 632-643.	6.0	57
60	Tryptophan Catabolism Restricts IFN-Î³â€“Expressing Neutrophils and Clostridium difficile Immunopathology. Journal of Immunology, 2014, 193, 807-816.	0.8	55
61	Cross-talk Between RORÎ³t+ Innate Lymphoid Cells and Intestinal Macrophages Induces Mucosal IL-22 Production in CrohnÊ¼s Disease. Inflammatory Bowel Diseases, 2014, 20, 1426-1434.	1.9	53
62	Regulation of virulence: the rise and fall of gastrointestinal pathogens. Journal of Gastroenterology, 2016, 51, 195-205.	5.1	53
63	IL-22 controls iron-dependent nutritional immunity against systemic bacterial infections. Science Immunology, 2017, 2, .	11.9	50
64	The Butyrate-Producing Bacterium Clostridium butyricum Suppresses Clostridioides difficile Infection via Neutrophil- and Antimicrobial Cytokineâ€“Dependent but GPR43/109a-Independent Mechanisms. Journal of Immunology, 2021, 206, 1576-1585.	0.8	47
65	Activated hepatic stellate cells mediate the differentiation of macrophages. Hepatology Research, 2013, 43, 658-669.	3.4	46
66	Gut microbiota-mediated generation of saturated fatty acids elicits inflammation in the liver in murine high-fat diet-induced steatohepatitis. BMC Gastroenterology, 2017, 17, 136.	2.0	46
67	Dietâ€“Microbiota Interactions in Inflammatory Bowel Disease. Nutrients, 2021, 13, 1533.	4.1	46
68	Diet-dependent, microbiota-independent regulation of IL-10-producing lamina propria macrophages in the small intestine. Scientific Reports, 2016, 6, 27634.	3.3	44
69	Oral nanomedicine for modulating immunity, intestinal barrier functions, and gut microbiome. Advanced Drug Delivery Reviews, 2021, 179, 114021.	13.7	44
70	Retinoic acid contributes to the induction of IL-12-hypoproducing dendritic cells. Inflammatory Bowel Diseases, 2009, 15, 1548-1556.	1.9	43
71	Competition between colitogenic Th1 and Th17 cells contributes to the amelioration of colitis. European Journal of Immunology, 2010, 40, 2409-2422.	2.9	41
72	TACI deficiency enhances antibody avidity and clearance of an intestinal pathogen. Journal of Clinical Investigation, 2014, 124, 4857-4866.	8.2	40

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73	CD4+ Tissue-resident Memory T Cells Expand and Are a Major Source of Mucosal Tumour Necrosis Factor Î± in Active Crohnâ€™s Disease. Journal of Crohn's and Colitis, 2019, 13, 905-915.	1.3	38
74	DUOX2 variants associate with preclinical disturbances in microbiota-immune homeostasis and increased inflammatory bowel disease risk. Journal of Clinical Investigation, 2021, 131, .	8.2	35
75	A potential pathogenic association between periodontal disease and Crohnâ€™s disease. JCI Insight, 2021, 6, .	5.0	35
76	Clinical Strategies for the Blockade of IL-18 in Inflammatory Bowel Diseases. Current Drug Targets, 2013, 14, 1392-1399.	2.1	31
77	Establishment of Novel Prediction System of Intestinal Absorption in Humans Using Human Intestinal Tissues. Journal of Pharmaceutical Sciences, 2013, 102, 2564-2571.	3.3	29
78	Microbial adaptation to the healthy and inflamed gut environments. Gut Microbes, 2020, 12, 1857505.	9.8	29
79	Homeostatic (IL-7) and effector (IL-17) cytokines as distinct but complementary target for an optimal therapeutic strategy in inflammatory bowel disease. Current Opinion in Gastroenterology, 2009, 25, 306-313.	2.3	28
80	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. Gastroenterology, 2018, 154, 140-153.e17.	1.3	27
81	Aim2-mediated/IFN-Î²â€“independent regulation of gastric metaplastic lesions via CD8+ T cells. JCI Insight, 2020, 5, .	5.0	26
82	A complex microworld in the gut: Harnessing pathogen-commensal relations. Nature Medicine, 2012, 18, 1190-1191.	30.7	25
83	Inflammatory bowel disease and carcinogenesis. Cancer and Metastasis Reviews, 2022, 41, 301-316.	5.9	24
84	Expression and regulation of proton-coupled oligopeptide transporters in colonic tissue and immune cells of mice. Biochemical Pharmacology, 2018, 148, 163-173.	4.4	23
85	Multiple effects of dendritic cell depletion on murine norovirus infection. Journal of General Virology, 2013, 94, 1761-1768.	2.9	23
86	Fecal microbiota transplantation prevents Candida albicans from colonizing the gastrointestinal tract. Microbiology and Immunology, 2019, 63, 155-163.	1.4	22
87	Interaction between the inflammasome and commensal microorganisms in gastrointestinal health and disease. EMBO Molecular Medicine, 2021, 13, e13452.	6.9	22
88	Periodontal connection with intestinal inflammation: Microbiological and immunological mechanisms. Periodontology 2000, 2022, 89, 142-153.	13.4	19
89	Tetomilast suppressed production of proinflammatory cytokines from human monocytes and ameliorated chronic colitis in IL-10-deficient mice. Inflammatory Bowel Diseases, 2008, 14, 1483-1490.	1.9	18
90	Macrophages and Dendritic Cells Emerge in the Liver during Intestinal Inflammation and Predispose the Liver to Inflammation. PLoS ONE, 2014, 9, e84619.	2.5	18

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91	The pathogenic oralâ€“gutâ€“liver axis: new understandings and clinical implications. Expert Review of Clinical Immunology, 2021, 17, 727-736.	3.0	18
92	Maternal gut microbiomeâ€“induced IgG regulates neonatal gut microbiome and immunity. Science Immunology, 2022, 7, .	11.9	18
93	Pathogenic associations between oral and gastrointestinal diseases. Trends in Molecular Medicine, 2022, 28, 1030-1039.	6.7	16
94	Both exogenous commensal and endogenous self antigens stimulate T cell proliferation under lymphopenic conditions. Cellular Immunology, 2012, 272, 117-123.	3.0	14
95	Citrobacter rodentium Induces Tissue-Resident Memory CD4 ⁺ T Cells. Infection and Immunity, 2019, 87, .	2.2	14
96	The regenerating family member 3 Î² instigates IL-17A-mediated neutrophil recruitment downstream of NOD1/2 signalling for controlling colonisation resistance independently of microbiota community structure. Gut, 2019, 68, 1190-1199.	12.1	14
97	The Innate Immune System: A Trigger for Many Chronic Inflammatory Intestinal Diseases. Inflammatory Intestinal Diseases, 2016, 1, 70-77.	1.9	13
98	Lipopolysaccharide O structure of adherent and invasive Escherichia coli regulates intestinal inflammation via complement C3. PLoS Pathogens, 2020, 16, e1008928.	4.7	12
99	Untangling the oralâ€“gut axis in the pathogenesis of intestinal inflammation. International Immunology, 2022, 34, 485-490.	4.0	11
100	Intracellular bacteria recognition contributes to maximal interleukin (IL)-12 production by IL-10-deficient macrophages. Clinical and Experimental Immunology, 2011, 164, 137-144.	2.6	7
101	The Tuning of the Gut Nervous System by Commensal Microbiota. Gastroenterology, 2013, 145, 1193-1196.	1.3	7
102	Mesenchymal Cellâ€“Specific MyD88 Signaling Promotes Systemic Dissemination of Salmonella Typhimurium via Inflammatory Monocytes. Journal of Immunology, 2017, 199, 1362-1371.	0.8	6
103	Regional Control of Regulatory Immune Cells in the Intestine. Current Pathobiology Reports, 2018, 6, 29-34.	3.4	6
104	Contribution of the Gut Microbiota to Intestinal Fibrosis in Crohn's Disease. Frontiers in Medicine, 2022, 9, 826240.	2.6	4
105	A novel apoptosis-inducing monoclonal antibody (anti-LHK) against a cell surface antigen on colon cancer cells. Journal of Gastroenterology, 2005, 40, 945-955.	5.1	3
106	Regional control of regulatory immune cells in the intestine. Current Pathobiology Reports, 2018, 6, 29-34.	3.4	2
107	Nfil3 is a Regulator of IL-12 P40 in Macrophages and Mucosal Immunity. Gastroenterology, 2011, 140, S-109-S-110.	1.3	1
108	P-192â€ƒUnraveling the Functional Role of Dysbiosis in CrohnÊ¼s Disease. Inflammatory Bowel Diseases, 2016, 22, S67.	1.9	1

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109	TNFRSF13B polymorphisms counteract microbial adaptation to natural IgA. JCI Insight, 2021, 6, .	5.0	1
110	Role of the gut microbiota in immunity and inflammatory disease. , 0, .		1
111	The activation of the NLRC4 inflammasome by pathogenic bacteria breaks intestinal phagocytic cells anergy and promotes host defense. Inflammatory Bowel Diseases, 2011, 17, S67.	1.9	0
112	Su1881 Dietary Serine Controls the Competition Between Pathogenic and Commensal E. coli During Intestinal Inflammation. Gastroenterology, 2016, 150, S578.	1.3	0
113	Su1898 Inflammatory Bowel Disease-Associated Gut Dysbiosis Impacts the Host Physiology and Colitis in Gnotobiotic Mice. Gastroenterology, 2016, 150, S582-S583.	1.3	0
114	Su1889 Dietary Antigens Regulate Homeostasis of IL-10-Producing Lamina Propria Macrophages in the Small Intestine. Gastroenterology, 2016, 150, S580.	1.3	0
115	373 Indoleamine-2,3-Dioxygenase-1 (IDO1) Regulates B Cell Maturation and Is Critical for Gastric Pre-Neoplasia. Gastroenterology, 2016, 150, S83.	1.3	0