

Christian Jobin

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

10,657
citations

50276

46
h-index

33894

99
g-index

118
all docs

118
docs citations

118
times ranked

15015
citing authors

#	ARTICLE	IF	CITATIONS
1	Intestinal Inflammation Targets Cancer-Inducing Activity of the Microbiota. <i>Science</i> , 2012, 338, 120-123.	12.6	1,785
2	The microbiome and cancer. <i>Nature Reviews Cancer</i> , 2013, 13, 800-812.	28.4	1,338
3	The NLRP3 inflammasome functions as a negative regulator of tumorigenesis during colitis-associated cancer. <i>Journal of Experimental Medicine</i> , 2010, 207, 1045-1056.	8.5	689
4	Modulation of the Intestinal Microbiota Alters Colitis-Associated Colorectal Cancer Susceptibility. <i>PLoS ONE</i> , 2009, 4, e6026.	2.5	376
5	Altered intestinal microbiotaâ€‘host mitochondria crosstalk in new onset Crohnâ€™s disease. <i>Nature Communications</i> , 2016, 7, 13419.	12.8	326
6	Microbial genomic analysis reveals the essential role of inflammation in bacteria-induced colorectal cancer. <i>Nature Communications</i> , 2014, 5, 4724.	12.8	302
7	<i>Campylobacter jejuni</i> promotes colorectal tumorigenesis through the action of cytolethal distending toxin. <i>Gut</i> , 2019, 68, 289-300.	12.1	251
8	Inflammasome-independent role of AIM2 in suppressing colon tumorigenesis via DNA-PK and Akt. <i>Nature Medicine</i> , 2015, 21, 906-913.	30.7	230
9	Locoregional Effects of Microbiota in a Preclinical Model of Colon Carcinogenesis. <i>Cancer Research</i> , 2017, 77, 2620-2632.	0.9	195
10	Stochastic changes over time and not founder effects drive cage effects in microbial community assembly in a mouse model. <i>ISME Journal</i> , 2013, 7, 2116-2125.	9.8	194
11	Gut microbiota and probiotics in colon tumorigenesis. <i>Cancer Letters</i> , 2011, 309, 119-127.	7.2	184
12	Microbiota in pancreatic health and disease: the next frontier in microbiome research. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020, 17, 53-64.	17.8	175
13	International Cancer Microbiome Consortium consensus statement on the role of the human microbiome in carcinogenesis. <i>Gut</i> , 2019, 68, 1624-1632.	12.1	173
14	Protective mucosal immunity mediated by epithelial CD1d and IL-10. <i>Nature</i> , 2014, 509, 497-502.	27.8	172
15	Inhibition of NF κ B in activated rat hepatic stellate cells by proteasome inhibitors and an I κ B super-repressor. <i>Hepatology</i> , 1998, 27, 1285-1295.	7.3	170
16	The Cancer Microbiome: Distinguishing Direct and Indirect Effects Requires a Systemic View. <i>Trends in Cancer</i> , 2020, 6, 192-204.	7.4	162
17	Human colon mucosal biofilms from healthy or colon cancer hosts are carcinogenic. <i>Journal of Clinical Investigation</i> , 2019, 129, 1699-1712.	8.2	145
18	Intestinal microbiota enhances pancreatic carcinogenesis in preclinical models. <i>Carcinogenesis</i> , 2018, 39, 1068-1078.	2.8	140

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19	Microbial Activities and Intestinal Homeostasis: A Delicate Balance Between Health and Disease. Cellular and Molecular Gastroenterology and Hepatology, 2015, 1, 28-40.	4.5	137
20	Commensal bacteria promote endocrine resistance in prostate cancer through androgen biosynthesis. Science, 2021, 374, 216-224.	12.6	135
21	The Aryl Hydrocarbon Receptor Preferentially Marks and Promotes Gut Regulatory T Cells. Cell Reports, 2017, 21, 2277-2290.	6.4	130
22	Fusobacterium and Enterobacteriaceae: Important players for CRC?. Immunology Letters, 2014, 162, 54-61.	2.5	119
23	Gnotobiotic IL-10 ^{-/-} ;NF- κ BEGFP Mice Reveal the Critical Role of TLR/NF- κ B Signaling in Commensal Bacteria-Induced Colitis. Journal of Immunology, 2007, 178, 6522-6532.	0.8	109
24	Carcinogenesis and therapeutics: the microbiota perspective. Nature Microbiology, 2017, 2, 17008.	13.3	108
25	Precision medicine using microbiota. Science, 2018, 359, 32-34.	12.6	105
26	In Vivo Pattern of Lipopolysaccharide and Anti-CD3-Induced NF- κ B Activation Using a Novel Gene-Targeted Enhanced GFP Reporter Gene Mouse. Journal of Immunology, 2004, 173, 1561-1570.	0.8	102
27	Novel insights into microbiome in colitis and colorectal cancer. Current Opinion in Gastroenterology, 2017, 33, 422-427.	2.3	100
28	Microbiota and host immune responses: a love-hate relationship. Immunology, 2016, 147, 1-10.	4.4	98
29	VSL#3 probiotic modifies mucosal microbial composition but does not reduce colitis-associated colorectal cancer. Scientific Reports, 2013, 3, 2868.	3.3	95
30	Commensal microbiota stimulate systemic neutrophil migration through induction of Serum amyloid A. Cellular Microbiology, 2014, 16, 1053-1067.	2.1	91
31	Microbiota and cancer immunotherapy: in search of microbial signals. Gut, 2019, 68, 385-388.	12.1	90
32	Gut microbial diversity is reduced by the probiotic VSL#3 and correlates with decreased TNBS-induced colitis. Inflammatory Bowel Diseases, 2011, 17, 289-297.	1.9	89
33	Microbial imbalance and intestinal pathologies: connections and contributions. DMM Disease Models and Mechanisms, 2014, 7, 1131-1142.	2.4	83
34	Fecal Microbial Transplantation for Diseases Beyond Recurrent Clostridium Difficile Infection. Gastroenterology, 2019, 157, 624-636.	1.3	76
35	Campylobacter jejuni Induces Colitis Through Activation of Mammalian Target of Rapamycin Signaling. Gastroenterology, 2012, 142, 86-95.e5.	1.3	75
36	The complex interplay between inflammation, the microbiota and colorectal cancer. Gut Microbes, 2013, 4, 253-258.	9.8	75

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37	Microbial-Derived Butyrate: An Oncometabolite or Tumor-Suppressive Metabolite?. <i>Cell Host and Microbe</i> , 2014, 16, 143-145.	11.0	73
38	The Microbiome and Cancer: Is the "Oncobiome"™ Mirage Real?. <i>Trends in Cancer</i> , 2015, 1, 24-35.	7.4	73
39	MATE transport of the <i>E. coli</i> -derived genotoxin colibactin. <i>Nature Microbiology</i> , 2016, 1, 15009.	13.3	71
40	Colorectal Cancer: Looking for Answers in the Microbiota. <i>Cancer Discovery</i> , 2013, 3, 384-387.	9.4	68
41	Microbiota-Derived Metabolic Factors Reduce <i>Campylobacteriosis</i> in Mice. <i>Gastroenterology</i> , 2018, 154, 1751-1763.e2.	1.3	68
42	Microbiota facilitates the formation of the aminated metabolite of green tea polyphenol (-)-epigallocatechin-3-gallate which trap deleterious reactive endogenous metabolites. <i>Free Radical Biology and Medicine</i> , 2019, 131, 332-344.	2.9	62
43	Tomato Lycopene Extract Prevents Lipopolysaccharide-Induced NF- κ B Signaling but Worsens Dextran Sulfate Sodium-Induced Colitis in NF- κ BEGFP Mice. <i>PLoS ONE</i> , 2009, 4, e4562.	2.5	59
44	The Innate Immune Receptor NLRX1 Functions as a Tumor Suppressor by Reducing Colon Tumorigenesis and Key Tumor-Promoting Signals. <i>Cell Reports</i> , 2016, 14, 2562-2575.	6.4	59
45	Microbiota as a mediator of cancer progression and therapy. <i>Translational Research</i> , 2017, 179, 139-154.	5.0	57
46	Microbial dysbiosis associated with impaired intestinal Na ⁺ /H ⁺ exchange accelerates and exacerbates colitis in ex-germ free mice. <i>Mucosal Immunology</i> , 2018, 11, 1329-1341.	6.0	53
47	Amending microbiota by targeting intestinal inflammation with TNF blockade attenuates development of colorectal cancer. <i>Nature Cancer</i> , 2020, 1, 723-734.	13.2	50
48	Gnotobiotic IL-10 ^{-/-} ; NF- κ BEGFP Mice Develop Rapid and Severe Colitis Following <i>Campylobacter jejuni</i> Infection. <i>PLoS ONE</i> , 2009, 4, e7413.	2.5	50
49	The gut microbiome of COVID-19 recovered patients returns to uninfected status in a minority-dominated United States cohort. <i>Gut Microbes</i> , 2021, 13, 1-15.	9.8	46
50	Phosphatidylinositol 3-Kinase- β Signaling Promotes <i>Campylobacter jejuni</i> -Induced Colitis through Neutrophil Recruitment in Mice. <i>Journal of Immunology</i> , 2013, 190, 357-365.	0.8	44
51	Diet, Microbiome, and the Intestinal Epithelium: An Essential Triumvirate?. <i>BioMed Research International</i> , 2013, 2013, 1-12.	1.9	43
52	Gut Commensal Bacteria and Regional Wnt Gene Expression in the Proximal Versus Distal Colon. <i>American Journal of Pathology</i> , 2014, 184, 592-599.	3.8	38
53	Yersiniabactin-Producing Adherent/Invasive <i>Escherichia coli</i> Promotes Inflammation-Associated Fibrosis in Gnotobiotic IL10 ^{-/-} Mice. <i>Infection and Immunity</i> , 2019, 87, .	2.2	38
54	Shining a Light on Colibactin Biology. <i>Toxins</i> , 2021, 13, 346.	3.4	38

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55	Human Colon Cancerâ€œDerived <i>Clostridioides difficile</i> Strains Drive Colonic Tumorigenesis in Mice. <i>Cancer Discovery</i> , 2022, 12, 1873-1885.	9.4	38
56	Intestinal Epithelial Cellâ€œDerived μ -Opioid Signaling Protects against Ischemia Reperfusion Injury through PI3K Signaling. <i>American Journal of Pathology</i> , 2013, 182, 776-785.	3.8	34
57	Chronic Ethanol Feeding Modulates Inflammatory Mediators, Activation of Nuclear Factor- κ B, and Responsiveness to Endotoxin in Murine Kupffer Cells and Circulating Leukocytes. <i>Mediators of Inflammation</i> , 2014, 2014, 1-16.	3.0	33
58	GPR109a: The Missing Link between Microbiome and Good Health?. <i>Immunity</i> , 2014, 40, 8-10.	14.3	33
59	Dietary iron variably modulates assembly of the intestinal microbiota in colitis-resistant and colitis-susceptible mice. <i>Gut Microbes</i> , 2020, 11, 32-50.	9.8	31
60	The Microbiota Protects against Ischemia/Reperfusion-Induced Intestinal Injury through Nucleotide-Binding Oligomerization Domain-Containing Protein 2 (NOD2) Signaling. <i>American Journal of Pathology</i> , 2014, 184, 2965-2975.	3.8	30
61	Interaction of bacterial genera associated with therapeutic response to immune checkpoint PD-1 blockade in a United States cohort. <i>Genome Medicine</i> , 2022, 14, 35.	8.2	29
62	Zebrafish glafenine-intestinal injury is ameliorated by μ -opioid signaling via enhancement of Atf6-dependent cellular stress responses. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 146-59.	2.4	28
63	ClbM is a versatile, cation-promiscuous MATE transporter found in the colibactin biosynthetic gene cluster. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 1233-1239.	2.1	26
64	Microbial Colonization Coordinates the Pathogenesis of a <i>Klebsiella pneumoniae</i> Infant Isolate. <i>Scientific Reports</i> , 2019, 9, 3380.	3.3	26
65	Gut microbiota maturation during early human life induces enterocyte proliferation via microbial metabolites. <i>BMC Microbiology</i> , 2020, 20, 205.	3.3	25
66	Human Colon Mucosal Biofilms and Murine Host Communicate via Altered mRNA and microRNA Expression during Cancer. <i>MSystems</i> , 2020, 5, .	3.8	25
67	Microbiota in mesenteric adipose tissue from Crohnâ€™s disease promote colitis in mice. <i>Microbiome</i> , 2021, 9, 228.	11.1	25
68	Murine Model of Intestinal Ischemia-reperfusion Injury. <i>Journal of Visualized Experiments</i> , 2016, .	0.3	24
69	NTPDase8 protects mice from intestinal inflammation by limiting P2Y ₆ receptor activation: identification of a new pathway of inflammation for the potential treatment of IBD. <i>Gut</i> , 2022, 71, 43-54.	12.1	23
70	Group 3 innate lymphoid cell pyroptosis represents a host defence mechanism against <i>Salmonella</i> infection. <i>Nature Microbiology</i> , 2022, 7, 1087-1099.	13.3	22
71	Regulation and functional impact of lipopolysaccharide induced Nod2 gene expression in the murine epididymal epithelial cell line PC1. <i>Immunology</i> , 2008, 124, 256-264.	4.4	21
72	Probiotics and Iletis. <i>Gut Microbes</i> , 2010, 1, 196-199.	9.8	21

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73	Implications of the microbiome in the development and treatment of pancreatic cancer: Thinking outside of the box by looking inside the gut. <i>Neoplasia</i> , 2021, 23, 246-256.	5.3	20
74	Nucleotide-Binding Oligomerization Domain-Containing Protein 2 Controls Host Response to <i>Campylobacter jejuni</i> in IL10 ^{-/-} Mice. <i>Journal of Infectious Diseases</i> , 2014, 210, 1145-1154.	4.0	19
75	Differential effects of cell density on 5-lipoxygenase (5-LO), five-lipoxygenase-activating protein (FLAP) and interleukin-1 beta (IL-1 beta) expression in human neutrophils. <i>Inflammation</i> , 1997, 21, 235-250.	3.8	15
76	Human Intestinal Microbiota and Colorectal Cancer: Moving Beyond Associative Studies. <i>Gastroenterology</i> , 2017, 153, 1475-1478.	1.3	15
77	Characterization of the bacterial microbiome among free-ranging bottlenose dolphins (<i>Tursiops</i>) Tj ETQq1 1 0.784314 rgBT / Overlock	3.2	15
78	SCFAs Take a Toll En Route to Metabolic Syndrome. <i>Cell Metabolism</i> , 2015, 22, 954-956.	16.2	14
79	Seaweed natural products modify the host inflammatory response via Nrf2 signaling and alter colon microbiota composition and gene expression. <i>Free Radical Biology and Medicine</i> , 2020, 146, 306-323.	2.9	13
80	Bacterial Swarms Enriched During Intestinal Stress Ameliorate Damage. <i>Gastroenterology</i> , 2021, 161, 211-224.	1.3	13
81	Mitochondrial transcription factor A in ROR ^{13t} + lymphocytes regulate small intestine homeostasis and metabolism. <i>Nature Communications</i> , 2021, 12, 4462.	12.8	13
82	Epithelial Cell-Specific MyD88 Signaling Mediates Ischemia/Reperfusion-induced Intestinal Injury Independent of Microbial Status. <i>Inflammatory Bowel Diseases</i> , 2013, 19, 2857-2866.	1.9	12
83	Increased ACE2 Levels and Mortality Risk of Patients With COVID-19 on Proton Pump Inhibitor Therapy. <i>American Journal of Gastroenterology</i> , 2021, 116, 1638-1645.	0.4	12
84	Dual-route targeted vaccine protects efficiently against botulinum neurotoxin A complex. <i>Vaccine</i> , 2018, 36, 155-164.	3.8	11
85	Microbial networking in cancer: when two toxins collide. <i>British Journal of Cancer</i> , 2018, 118, 1407-1409.	6.4	11
86	Initial microbial community of the neonatal stomach immediately after birth. <i>Gut Microbes</i> , 2019, 10, 289-297.	9.8	11
87	Avenanthramide Metabotype from Whole-Grain Oat Intake is Influenced by <i>Faecalibacterium prausnitzii</i> in Healthy Adults. <i>Journal of Nutrition</i> , 2021, 151, 1426-1435.	2.9	11
88	From promotion to management: The wide impact of bacteria on cancer and its treatment. <i>BioEssays</i> , 2014, 36, 658-664.	2.5	10
89	Black Tea Theaflavin Detoxifies Metabolic Toxins in the Intestinal Tract of Mice. <i>Molecular Nutrition and Food Research</i> , 2021, 65, 2000887.	3.3	10
90	Gut Microbiota Dysbiosis Associated with Persistent Fatigue in Hematopoietic Cell Transplantation Survivors. <i>Transplantation and Cellular Therapy</i> , 2021, 27, 498.e1-498.e8.	1.2	10

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91	Bacteria break barrier to promote metastasis. <i>Cancer Cell</i> , 2021, 39, 598-600.	16.8	10
92	Differential Relevance of NF- κ B and JNK in the Pathophysiology of Hemorrhage/Resuscitation-Induced Liver Injury after Chronic Ethanol Feeding. <i>PLoS ONE</i> , 2015, 10, e0137875.	2.5	10
93	Oral therapy with colonization factor antigen I prevents development of type 1 diabetes in Non-obese Diabetic mice. <i>Scientific Reports</i> , 2020, 10, 6156.	3.3	9
94	The microbiome, gastrointestinal cancer, and immunotherapy. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2022, 37, 263-272.	2.8	9
95	Baseline Gut Microbiota Composition Is Associated with Major Infections Early after Hematopoietic Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2020, 26, 2001-2010.	2.0	8
96	Workshop Report: Modulation of Antitumor Immune Responses by Dietary and Microbial Metabolites. <i>Journal of the National Cancer Institute</i> , 2017, 109, .	6.3	7
97	Far reach of <i>Fusobacterium nucleatum</i> in cancer metastasis. <i>Gut</i> , 2021, 70, 1427-1429.	12.1	7
98	Microbiome-Derived Liquid Biopsy: New Hope for Cancer Screening?. <i>Clinical Chemistry</i> , 2021, 67, 463-465.	3.2	6
99	Nf- κ B signaling cascade and IBD: Turn it down?. <i>Inflammatory Bowel Diseases</i> , 2008, 14, S108-S109.	1.9	5
100	Bugs and Food: A Recipe for Cancer?. <i>Cell Metabolism</i> , 2014, 20, 937-938.	16.2	5
101	Bacterial snack attack deactivates a drug. <i>Nature</i> , 2017, 550, 337-339.	27.8	5
102	Hand-in-hand " colorectal cancer metastasizes with microorganisms. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018, 15, 133-134.	17.8	5
103	Gut Microbiota as a Novel Tool to Dissect the Complex Structures of Black Tea Polymers. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5005-5014.	5.2	5
104	Do bugs define cancer geography?. <i>Journal of Experimental Medicine</i> , 2014, 211, 384-385.	8.5	3
105	Microbiota phylogenetic analysis revealed decreased abundance of <i>Faecalibacterium prausnitzii</i> , an anti-inflammatory commensal bacterium, in patients with chronic graft-versus-host disease. <i>Hematology/ Oncology and Stem Cell Therapy</i> , 2021, 14, 263-265.	0.9	3
106	A mutational signature that can be made by a bacterium arises in human colon cancer. <i>Nature</i> , 2020, 580, 194-195.	27.8	3
107	Microbiota Phylogenetic Analysis Revealed Decreased Abundance of <i>Faecalibacterium Prausnitzii</i> , an Anti-Inflammatory Commensal Bacterium, in Patients with Chronic Graft-Versus-Host Disease. <i>Blood</i> , 2018, 132, 2119-2119.	1.4	3
108	MarZIC: A Marginal Mediation Model for Zero-Inflated Compositional Mediators with Applications to Microbiome Data. <i>Genes</i> , 2022, 13, 1049.	2.4	3

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109	A Rapid Screenable Assay for Compounds That Protect Against Intestinal Injury in Zebrafish Larva. <i>Methods in Molecular Biology</i> , 2016, 1422, 281-293.	0.9	2
110	IFAA: Robust Association Identification and Inference for Absolute Abundance in Microbiome Analyses. <i>Journal of the American Statistical Association</i> , 2021, 116, 1595-1608.	3.1	2
111	Finding clues in unexpected places: detection of pancreatic cancer through the faecal microbiome. <i>Gut</i> , 2022, 71, 1247-1248.	12.1	2
112	Professor Arlette Darfeuille-Michaud: The Discovery of Adherent-invasive <i>Escherichia coli</i> . <i>Journal of Crohn's and Colitis</i> , 2015, 9, 373-375.	1.3	1
113	Soluble TNF mediates high-fat and high-carbohydrate diet-induced inflammation, alterations in peripheral blood and brain immunophenotype, and gut microbiome in a mouse model of amyloid pathology. <i>Alzheimer's and Dementia</i> , 2020, 16, e040436.	0.8	0
114	Metabolism of black tea theaflavins by gut microbiota. <i>FASEB Journal</i> , 2012, 26, 124.4.	0.5	0
115	Regional Wnt signatures in the colon and the influence of commensal bacteria. <i>FASEB Journal</i> , 2013, 27, 131.5.	0.5	0
116	Short-term captopril treatment causes persistently decreased blood pressure associated with long-lasting shifts in gut microbiota and improvement in gut pathology. <i>FASEB Journal</i> , 2018, 32, 582.7.	0.5	0
117	An open source bioinformatic pipeline to decipher how the human milk metabolome protects infants from pediatric obesity. <i>FASEB Journal</i> , 2019, 33, 640.2.	0.5	0