

# Jeffrey I Gordon

## List of Publications by Citations

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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.

96  
papers

46,611  
citations

57  
h-index

110  
g-index

110  
ext. papers

57,845  
ext. citations

23.4  
avg, IF

6.87  
L-index

#	Paper	IF	Citations
96	QIIME allows analysis of high-throughput community sequencing data. <i>Nature Methods</i> , <b>2010</b> , 7, 335-6	21.6	22879
95	Human gut microbiome viewed across age and geography. <i>Nature</i> , <b>2012</b> , 486, 222-7	50.4	4616
94	Gut microbiota from twins discordant for obesity modulate metabolism in mice. <i>Science</i> , <b>2013</b> , 341, 1241-1244	33.3	2251
93	Commensal host-bacterial relationships in the gut. <i>Science</i> , <b>2001</b> , 292, 1115-8	33.3	1698
92	Molecular analysis of commensal host-microbial relationships in the intestine. <i>Science</i> , <b>2001</b> , 291, 881-4	33.3	1645
91	Radiation-induced cell cycle arrest compromised by p21 deficiency. <i>Nature</i> , <b>1995</b> , 377, 552-7	50.4	1119
90	The abundance and variety of carbohydrate-active enzymes in the human gut microbiota. <i>Nature Reviews Microbiology</i> , <b>2013</b> , 11, 497-504	22.2	811
89	Persistent gut microbiota immaturity in malnourished Bangladeshi children. <i>Nature</i> , <b>2014</b> , 510, 417-21	50.4	703
88	Phenotype of mice lacking functional Deleted in colorectal cancer (Dcc) gene. <i>Nature</i> , <b>1997</b> , 386, 796-804	50.4	645
87	Mucosal glycan foraging enhances fitness and transmission of a saccharolytic human gut bacterial symbiont. <i>Cell Host and Microbe</i> , <b>2008</b> , 4, 447-57	23.4	549
86	Extensive personal human gut microbiota culture collections characterized and manipulated in gnotobiotic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 6252-7	11.5	499
85	Recognition and degradation of plant cell wall polysaccharides by two human gut symbionts. <i>PLoS Biology</i> , <b>2011</b> , 9, e1001221	9.7	480
84	Identifying genetic determinants needed to establish a human gut symbiont in its habitat. <i>Cell Host and Microbe</i> , <b>2009</b> , 6, 279-89	23.4	473
83	Molecular mechanics of calcium-myristoyl switches. <i>Nature</i> , <b>1997</b> , 389, 198-202	50.4	423
82	Gut bacteria that prevent growth impairments transmitted by microbiota from malnourished children. <i>Science</i> , <b>2016</b> , 351,	33.3	406
81	Predicting a human gut microbiota's response to diet in gnotobiotic mice. <i>Science</i> , <b>2011</b> , 333, 101-4	33.3	391
80	The impact of a consortium of fermented milk strains on the gut microbiome of gnotobiotic mice and monozygotic twins. <i>Science Translational Medicine</i> , <b>2011</b> , 3, 106ra106	17.5	384

79	Sialylated Milk Oligosaccharides Promote Microbiota-Dependent Growth in Models of Infant Undernutrition. <i>Cell</i> , <b>2016</b> , 164, 859-71	56.2	370
78	Interactions between Gut Microbiota, Host Genetics and Diet Modulate the Predisposition to Obesity and Metabolic Syndrome. <i>Cell Metabolism</i> , <b>2015</b> , 22, 516-530	24.6	325
77	induces gut intraepithelial CD4CD8 $\beta$ cells. <i>Science</i> , <b>2017</b> , 357, 806-810	33.3	300
76	Members of the human gut microbiota involved in recovery from <i>Vibrio cholerae</i> infection. <i>Nature</i> , <b>2014</b> , 515, 423-6	50.4	249
75	Bacteria from diverse habitats colonize and compete in the mouse gut. <i>Cell</i> , <b>2014</b> , 159, 253-66	56.2	226
74	Dissecting the in vivo metabolic potential of two human gut acetogens. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 22082-90	5.4	225
73	Functional characterization of IgA-targeted bacterial taxa from undernourished Malawian children that produce diet-dependent enteropathy. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 276ra24	17.5	213
72	Genome-wide association study of <i>Arabidopsis thaliana</i> leaf microbial community. <i>Nature Communications</i> , <b>2014</b> , 5, 5320	17.4	198
71	Gut DNA viromes of Malawian twins discordant for severe acute malnutrition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 11941-6	11.5	189
70	Effects of diet on resource utilization by a model human gut microbiota containing <i>Bacteroides cellulosilyticus</i> WH2, a symbiont with an extensive glycobiome. <i>PLoS Biology</i> , <b>2013</b> , 11, e1001637	9.7	184
69	Development of the gut microbiota and mucosal IgA responses in twins and gnotobiotic mice. <i>Nature</i> , <b>2016</b> , 534, 263-6	50.4	180
68	Distinct contributions of Aire and antigen-presenting-cell subsets to the generation of self-tolerance in the thymus. <i>Immunity</i> , <b>2014</b> , 41, 414-426	32.3	179
67	A microbial perspective of human developmental biology. <i>Nature</i> , <b>2016</b> , 535, 48-55	50.4	172
66	Effects of microbiota-directed foods in gnotobiotic animals and undernourished children. <i>Science</i> , <b>2019</b> , 365,	33.3	160
65	Selective depletion of uropathogenic <i>E. coli</i> from the gut by a FimH antagonist. <i>Nature</i> , <b>2017</b> , 546, 528-532	32.4	148
64	Honor thy gut symbionts redux. <i>Science</i> , <b>2012</b> , 336, 1251-3	33.3	145
63	Host-microbial symbiosis in the mammalian intestine: exploring an internal ecosystem. <i>BioEssays</i> , <b>1998</b> , 20, 336-43	4.1	143
62	Genetic determinants of in vivo fitness and diet responsiveness in multiple human gut <i>Bacteroides</i> . <i>Science</i> , <b>2015</b> , 350, aac5992	33.3	138

61	Studies of intestinal stem cells using normal, chimeric, and transgenic mice. <i>FASEB Journal</i> , <b>1992</b> , 6, 3039-50	134
60	Spatial organization of a model 15-member human gut microbiota established in gnotobiotic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9105-E9114	11.5 132
59	Childhood undernutrition, the gut microbiota, and microbiota-directed therapeutics. <i>Science</i> , <b>2016</b> , 352, 1533	33.3 131
58	The human gut microbiota and undernutrition. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 137ps12	17.5 128
57	Regulators of gut motility revealed by a gnotobiotic model of diet-microbiome interactions related to travel. <i>Cell</i> , <b>2015</b> , 163, 95-107	56.2 124
56	The effects of micronutrient deficiencies on bacterial species from the human gut microbiota. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5 117
55	Genetic studies reveal that myristoylCoA:protein N-myristoyltransferase is an essential enzyme in <i>Candida albicans</i> . <i>Molecular Microbiology</i> , <b>1995</b> , 16, 241-50	4.1 114
54	Transposable elements drive widespread expression of oncogenes in human cancers. <i>Nature Genetics</i> , <b>2019</b> , 51, 611-617	36.3 112
53	Cultivating healthy growth and nutrition through the gut microbiota. <i>Cell</i> , <b>2015</b> , 161, 36-48	56.2 104
52	Interspecies Competition Impacts Targeted Manipulation of Human Gut Bacteria by Fiber-Derived Glycans. <i>Cell</i> , <b>2019</b> , 179, 59-73.e13	56.2 103
51	Structure of N-myristoyltransferase with bound myristoylCoA and peptide substrate analogs. <i>Nature Structural Biology</i> , <b>1998</b> , 5, 1091-7	103
50	Prior Dietary Practices and Connections to a Human Gut Microbial Metacommunity Alter Responses to Diet Interventions. <i>Cell Host and Microbe</i> , <b>2017</b> , 21, 84-96	23.4 99
49	Feeding the brain and nurturing the mind: Linking nutrition and the gut microbiota to brain development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 14105-12	11.5 98
48	Where next for microbiome research?. <i>PLoS Biology</i> , <b>2015</b> , 13, e1002050	9.7 97
47	Comparative analysis of the beta transducin family with identification of several new members including PWP1, a nonessential gene of <i>Saccharomyces cerevisiae</i> that is divergently transcribed from NMT1. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>1992</b> , 13, 41-56	4.2 87
46	Mining the human gut microbiota for effector strains that shape the immune system. <i>Immunity</i> , <b>2014</b> , 40, 815-23	32.3 82
45	A sparse covarying unit that describes healthy and impaired human gut microbiota development. <i>Science</i> , <b>2019</b> , 365,	33.3 74
44	Long-Term Culture Captures Injury-Repair Cycles of Colonic Stem Cells. <i>Cell</i> , <b>2019</b> , 179, 1144-1159.e15	56.2 66

43	Structures of <i>Saccharomyces cerevisiae</i> N-myristoyltransferase with bound myristoylCoA and peptide provide insights about substrate recognition and catalysis. <i>Biochemistry</i> , <b>2001</b> , 40, 6335-43	3.2	66
42	Oral Antibiotic Treatment of Mice Exacerbates the Disease Severity of Multiple Flavivirus Infections. <i>Cell Reports</i> , <b>2018</b> , 22, 3440-3453.e6	10.6	65
41	The Gut Microbiota, Food Science, and Human Nutrition: A Timely Marriage. <i>Cell Host and Microbe</i> , <b>2017</b> , 22, 134-141	23.4	63
40	Targeting of proteins into the eukaryotic secretory pathway: signal peptide structure/function relationships. <i>BioEssays</i> , <b>1990</b> , 12, 479-84	4.1	57
39	A Microbiota-Directed Food Intervention for Undernourished Children. <i>New England Journal of Medicine</i> , <b>2021</b> , 384, 1517-1528	59.2	53
38	Novel biologically active nonpeptidic inhibitors of myristoylCoA:protein N-myristoyltransferase. <i>Journal of Medicinal Chemistry</i> , <b>1998</b> , 41, 996-1000	8.3	49
37	Identifying strains that contribute to complex diseases through the study of microbial inheritance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 633-40	11.5	48
36	Duodenal Microbiota in Stunted Undernourished Children with Enteropathy. <i>New England Journal of Medicine</i> , <b>2020</b> , 383, 321-333	59.2	48
35	Mechanisms by which sialylated milk oligosaccharides impact bone biology in a gnotobiotic mouse model of infant undernutrition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11988-11996	11.5	39
34	Characterizing the interactions between a naturally primed immunoglobulin A and its conserved <i>Bacteroides thetaiotaomicron</i> species-specific epitope in gnotobiotic mice. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 12630-49	5.4	38
33	gamma-Ray-induced apoptosis in transgenic mice with proliferative abnormalities in their intestinal epithelium: re-entry of villus enterocytes into the cell cycle does not affect their radioresistance but enhances the radiosensitivity of the crypt by inducing p53. <i>Oncogene</i> , <b>1997</b> , 15, 131-41	9.2	35
32	Understanding the mother-breastmilk-infant "triad". <i>Science</i> , <b>2020</b> , 367, 1070-1072	33.3	33
31	Bangladesh Environmental Enteric Dysfunction (BEED) study: protocol for a community-based intervention study to validate non-invasive biomarkers of environmental enteric dysfunction. <i>BMJ Open</i> , <b>2017</b> , 7, e017768	3	32
30	Effects of a gut pathobiont in a gnotobiotic mouse model of childhood undernutrition. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 366ra164	17.5	31
29	Impact of the gut microbiota on enhancer accessibility in gut intraepithelial lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 14805-14810	11.5	30
28	The absence of a microbiota enhances TSLP expression in mice with defective skin barrier but does not affect the severity of their allergic inflammation. <i>Journal of Investigative Dermatology</i> , <b>2013</b> , 133, 2714-2721	4.3	28
27	A multi-amplicon 16S rRNA sequencing and analysis method for improved taxonomic profiling of bacterial communities. <i>Journal of Microbiological Methods</i> , <b>2018</b> , 154, 6-13	2.8	27
26	Bioremediation of a Common Product of Food Processing by a Human Gut Bacterium. <i>Cell Host and Microbe</i> , <b>2019</b> , 26, 463-477.e8	23.4	23

25	Food and microbiota in the FDA regulatory framework. <i>Science</i> , <b>2017</b> , 357, 39-40	33.3	21
24	Combined Prebiotic and Microbial Intervention Improves Oral Cholera Vaccination Responses in a Mouse Model of Childhood Undernutrition. <i>Cell Host and Microbe</i> , <b>2020</b> , 27, 899-908.e5	23.4	19
23	Identifying determinants of bacterial fitness in a model of human gut microbial succession. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 2622-2633	11.5	18
22	Diarrhea as a Potential Cause and Consequence of Reduced Gut Microbial Diversity Among Undernourished Children in Peru. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 989-999	11.6	18
21	MyristoylCoA:protein N-myristoyltransferase. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , <b>1993</b> , 67, 375-430		16
20	Proteolytic processing and compartmentalization of the primary translation products of mammalian apolipoprotein mRNAs. <i>Critical Reviews in Biochemistry</i> , <b>1986</b> , 20, 37-71		15
19	Attenuated Effects of Bile Acids on Glucose Metabolism and Insulin Sensitivity in a Male Mouse Model of Prenatal Undernutrition. <i>Endocrinology</i> , <b>2017</b> , 158, 2441-2452	4.8	13
18	Evaluating microbiome-directed fibre snacks in gnotobiotic mice and humans. <i>Nature</i> , <b>2021</b> , 595, 91-95	50.4	13
17	Response from Jeffrey I. Gordon et al.: Commensal bacteria make a difference. <i>Trends in Microbiology</i> , <b>2003</b> , 11, 150-1	12.4	11
16	Study of Environmental Enteropathy and Malnutrition (SEEM) in Pakistan: protocols for biopsy based biomarker discovery and validation. <i>BMC Pediatrics</i> , <b>2019</b> , 19, 247	2.6	10
15	Proof-of-concept study of the efficacy of a microbiota-directed complementary food formulation (MDCF) for treating moderate acute malnutrition. <i>BMC Public Health</i> , <b>2020</b> , 20, 242	4.1	9
14	treatment promotes weight gain in Bangladeshi infants with severe acute malnutrition.. <i>Science Translational Medicine</i> , <b>2022</b> , 14, eabk1107	17.5	9
13	Biosynthesis and compartmentalization of rat-intestinal vitamin-D-dependent calcium-binding protein. <i>FEBS Journal</i> , <b>1984</b> , 139, 561-71		8
12	MyristoylCoA:protein N-Myristoyltransferase: Probing Host-Guest Interactions Using Synthetic Substrates. <i>Israel Journal of Chemistry</i> , <b>1992</b> , 32, 127-133	3.4	4
11	Microbiota functional activity biosensors for characterizing nutrient metabolism in vivo. <i>ELife</i> , <b>2021</b> , 10,	8.9	4
10	Strain-level functional variation in the human gut microbiota based on bacterial binding to artificial food particles. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 664-673.e5	23.4	4
9	Gut microbiome contributions to altered metabolism in a pig model of undernutrition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
8	Products of gut microbial Toll/interleukin-1 receptor domain NADase activities in gnotobiotic mice and Bangladeshi children with malnutrition.. <i>Cell Reports</i> , <b>2022</b> , 39, 110738	10.6	2

7	Experimental Models of Symbiotic Host-Microbial Relationships: Understanding the Underpinnings of Beneficence and the Origins of Pathogenesis <b>2014</b> , 147-166		1
6	Synthesis of novel tritium labeled oxamyristic acids. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>1991</b> , 29, 157-164	1.9	1
5	Melding microbiome and nutritional science with early child development. <i>Nature Medicine</i> , <b>2021</b> , 27, 1503-1506	50.5	1
4	Host-microbial symbiosis in the mammalian intestine: exploring an internal ecosystem <b>1998</b> , 20, 336		1
3	Gut microbiome development and childhood undernutrition.. <i>Cell Host and Microbe</i> , <b>2022</b> , 30, 617-626	23.4	1
2	An approach for evaluating the effects of dietary fiber polysaccharides on the human gut microbiome and plasma proteome.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2123411119	11.5	0
1	The Human Intestinal Microbiota and Microbiome	635-644	