

Jeffrey I Gordon

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

63,672
citations

22153

59
h-index

34986

98
g-index

110
all docs

110
docs citations

110
times ranked

68287
citing authors

#	ARTICLE	IF	CITATIONS
1	QIIME allows analysis of high-throughput community sequencing data. <i>Nature Methods</i> , 2010, 7, 335-336.	19.0	31,818
2	Human gut microbiome viewed across age and geography. <i>Nature</i> , 2012, 486, 222-227.	27.8	6,247
3	Gut Microbiota from Twins Discordant for Obesity Modulate Metabolism in Mice. <i>Science</i> , 2013, 341, 1241-1244.	12.6	3,006
4	Commensal Host-Bacterial Relationships in the Gut. <i>Science</i> , 2001, 292, 1115-1118.	12.6	2,018
5	Molecular Analysis of Commensal Host-Microbial Relationships in the Intestine. <i>Science</i> , 2001, 291, 881-884.	12.6	1,907
6	The abundance and variety of carbohydrate-active enzymes in the human gut microbiota. <i>Nature Reviews Microbiology</i> , 2013, 11, 497-504.	28.6	1,240
7	Radiation-induced cell cycle arrest compromised by p21 deficiency. <i>Nature</i> , 1995, 377, 552-557.	27.8	1,218
8	Persistent gut microbiota immaturity in malnourished Bangladeshi children. <i>Nature</i> , 2014, 510, 417-421.	27.8	1,019
9	Mucosal Glycan Foraging Enhances Fitness and Transmission of a Saccharolytic Human Gut Bacterial Symbiont. <i>Cell Host and Microbe</i> , 2008, 4, 447-457.	11.0	732
10	Phenotype of mice lacking functional Deleted in colorectal cancer (Dcc) gene. <i>Nature</i> , 1997, 386, 796-804.	27.8	717
11	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> , 2011, 108, 6252-6257.	7.1	656
12	Recognition and Degradation of Plant Cell Wall Polysaccharides by Two Human Gut Symbionts. <i>PLoS Biology</i> , 2011, 9, e1001221.	5.6	644
13	Identifying Genetic Determinants Needed to Establish a Human Gut Symbiont in Its Habitat. <i>Cell Host and Microbe</i> , 2009, 6, 279-289.	11.0	612
14	Gut bacteria that prevent growth impairments transmitted by microbiota from malnourished children. <i>Science</i> , 2016, 351, .	12.6	580
15	<i>Lactobacillus reuteri</i> induces gut intraepithelial CD4 ⁺ CD8 ⁺ T cells. <i>Science</i> , 2017, 357, 806-810.	12.6	543
16	Sialylated Milk Oligosaccharides Promote Microbiota-Dependent Growth in Models of Infant Undernutrition. <i>Cell</i> , 2016, 164, 859-871.	28.9	497
17	Molecular mechanics of calcium ²⁺ -myristoyl switches. <i>Nature</i> , 1997, 389, 198-202.	27.8	492
18	Predicting a Human Gut Microbiota's Response to Diet in Gnotobiotic Mice. <i>Science</i> , 2011, 333, 101-104.	12.6	480

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19	The Impact of a Consortium of Fermented Milk Strains on the Gut Microbiome of Gnotobiotic Mice and Monozygotic Twins. <i>Science Translational Medicine</i> , 2011, 3, 106ra106.	12.4	456
20	Interactions between Gut Microbiota, Host Genetics and Diet Modulate the Predisposition to Obesity and Metabolic Syndrome. <i>Cell Metabolism</i> , 2015, 22, 516-530.	16.2	433
21	Members of the human gut microbiota involved in recovery from <i>Vibrio cholerae</i> infection. <i>Nature</i> , 2014, 515, 423-426.	27.8	335
22	Dissecting the in Vivo Metabolic Potential of Two Human Gut Acetogens. <i>Journal of Biological Chemistry</i> , 2010, 285, 22082-22090.	3.4	332
23	Bacteria from Diverse Habitats Colonize and Compete in the Mouse Gut. <i>Cell</i> , 2014, 159, 253-266.	28.9	324
24	Genome-wide association study of <i>Arabidopsis thaliana</i> leaf microbial community. <i>Nature Communications</i> , 2014, 5, 5320.	12.8	322
25	Effects of microbiota-directed foods in gnotobiotic animals and undernourished children. <i>Science</i> , 2019, 365, .	12.6	305
26	Functional characterization of IgA-targeted bacterial taxa from undernourished Malawian children that produce diet-dependent enteropathy. <i>Science Translational Medicine</i> , 2015, 7, 276ra24.	12.4	280
27	Development of the gut microbiota and mucosal IgA responses in twins and gnotobiotic mice. <i>Nature</i> , 2016, 534, 263-266.	27.8	266
28	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> , 2015, 112, 11941-11946.	7.1	262
29	Transposable elements drive widespread expression of oncogenes in human cancers. <i>Nature Genetics</i> , 2019, 51, 611-617.	21.4	253
30	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> , 2013, 11, e1001637.	5.6	244
31	Selective depletion of uropathogenic <i>E. coli</i> from the gut by a FimH antagonist. <i>Nature</i> , 2017, 546, 528-532.	27.8	231
32	Genetic determinants of in vivo fitness and diet responsiveness in multiple human gut <i>Bacteroides</i> . <i>Science</i> , 2015, 350, aac5992.	12.6	229
33	Interspecies Competition Impacts Targeted Manipulation of Human Gut Bacteria by Fiber-Derived Glycans. <i>Cell</i> , 2019, 179, 59-73.e13.	28.9	224
34	Distinct Contributions of Aire and Antigen-Presenting-Cell Subsets to the Generation of Self-Tolerance in the Thymus. <i>Immunity</i> , 2014, 41, 414-426.	14.3	218
35	A microbial perspective of human developmental biology. <i>Nature</i> , 2016, 535, 48-55.	27.8	215
36	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> , 2017, 114, E9105-E9114.	7.1	198

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37	Regulators of Gut Motility Revealed by a Gnotobiotic Model of Diet-Microbiome Interactions Related to Travel. <i>Cell</i> , 2015, 163, 95-107.	28.9	190
38	The effects of micronutrient deficiencies on bacterial species from the human gut microbiota. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	190
39	Childhood undernutrition, the gut microbiota, and microbiota-directed therapeutics. <i>Science</i> , 2016, 352, 1533-1533.	12.6	183
40	Honor Thy Gut Symbionts Redux. <i>Science</i> , 2012, 336, 1251-1253.	12.6	170
41	Host-microbial symbiosis in the mammalian intestine: exploring an internal ecosystem. <i>BioEssays</i> , 1998, 20, 336-343.	2.5	162
42	The Human Gut Microbiota and Undernutrition. <i>Science Translational Medicine</i> , 2012, 4, 137ps12.	12.4	162
43	Cultivating Healthy Growth and Nutrition through the Gut Microbiota. <i>Cell</i> , 2015, 161, 36-48.	28.9	155
44	Studies of intestinal stem cells using normal, chimeric, and transgenic mice ¹. <i>FASEB Journal</i> , 1992, 6, 3039-3050.	0.5	146
45	A Microbiota-Directed Food Intervention for Undernourished Children. <i>New England Journal of Medicine</i> , 2021, 384, 1517-1528.	27.0	145
46	Long-Term Culture Captures Injury-Repair Cycles of Colonic Stem Cells. <i>Cell</i> , 2019, 179, 1144-1159.e15.	28.9	140
47	A sparse covarying unit that describes healthy and impaired human gut microbiota development. <i>Science</i> , 2019, 365, .	12.6	136
48	Prior Dietary Practices and Connections to a Human Gut Microbial Metacommunity Alter Responses to Diet Interventions. <i>Cell Host and Microbe</i> , 2017, 21, 84-96.	11.0	129
49	Genetic studies reveal that myristoylCoA:protein N-myristoyltransferase is an essential enzyme in <i>Candida albicans</i> . <i>Molecular Microbiology</i> , 1995, 16, 241-250.	2.5	125
50	Structure of N-myristoyltransferase with bound myristoylCoA and peptide substrate analogs. <i>Nature Structural Biology</i> , 1998, 5, 1091-1097.	9.7	118
51	Where Next for Microbiome Research?. <i>PLoS Biology</i> , 2015, 13, e1002050.	5.6	115
52	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> , 2015, 112, 14105-14112.	7.1	114
53	Duodenal Microbiota in Stunted Undernourished Children with Enteropathy. <i>New England Journal of Medicine</i> , 2020, 383, 321-333.	27.0	105
54	Mining the Human Gut Microbiota for Effector Strains that Shape the Immune System. <i>Immunity</i> , 2014, 40, 815-823.	14.3	104

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55	Oral Antibiotic Treatment of Mice Exacerbates the Disease Severity of Multiple Flavivirus Infections. <i>Cell Reports</i> , 2018, 22, 3440-3453.e6.	6.4	97
56	Comparative analysis of the \hat{I}^2 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> , 1992, 13, 41-56.	2.6	95
57	The Gut Microbiota, Food Science, and Human Nutrition: A Timely Marriage. <i>Cell Host and Microbe</i> , 2017, 22, 134-141.	11.0	87
58	Structures of <i>Saccharomyces cerevisiae</i> N-myristoyltransferase with Bound MyristoylCoA and Peptide Provide Insights about Substrate Recognition and Catalysis. <i>Biochemistry</i> , 2001, 40, 6335-6343.	2.5	72
59	Evaluating microbiome-directed fibre snacks in gnotobiotic mice and humans. <i>Nature</i> , 2021, 595, 91-95.	27.8	70
60	Targeting of proteins into the eukaryotic secretory pathway: Signal peptide structure/function relationships. <i>BioEssays</i> , 1990, 12, 479-484.	2.5	63
61	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> , 2015, 112, 633-640.	7.1	63
62	Understanding the mother-breastmilk-infant triad. <i>Science</i> , 2020, 367, 1070-1072.	12.6	63
63	<i>Bifidobacterium infantis</i> treatment promotes weight gain in Bangladeshi infants with severe acute malnutrition. <i>Science Translational Medicine</i> , 2022, 14, eabk1107.	12.4	61
64	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> , 2019, 116, 11988-11996.	7.1	55
65	Effects of a gut pathobiont in a gnotobiotic mouse model of childhood undernutrition. <i>Science Translational Medicine</i> , 2016, 8, 366ra164.	12.4	54
66	Novel Biologically Active Nonpeptidic Inhibitors of MyristoylCoA:Protein N-Myristoyltransferase. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 996-1000.	6.4	52
67	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> , 2015, 290, 12630-12649.	3.4	52
68	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> , 2017, 7, e017768.	1.9	47
69	A multi-amplicon 16S rRNA sequencing and analysis method for improved taxonomic profiling of bacterial communities. <i>Journal of Microbiological Methods</i> , 2018, 154, 6-13.	1.6	44
70	Bioremediation of a Common Product of Food Processing by a Human Gut Bacterium. <i>Cell Host and Microbe</i> , 2019, 26, 463-477.e8.	11.0	43
71	Combined Prebiotic and Microbial Intervention Improves Oral Cholera Vaccination Responses in a Mouse Model of Childhood Undernutrition. <i>Cell Host and Microbe</i> , 2020, 27, 899-908.e5.	11.0	38
72	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> , 2016, 113, 14805-14810.	7.1	37

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73	I^3 -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> , 1997, 15, 131-141.	5.9	36
74	Diarrhea as a Potential Cause and Consequence of Reduced Gut Microbial Diversity Among Undernourished Children in Peru. <i>Clinical Infectious Diseases</i> , 2020, 71, 989-999.	5.8	35
75	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> , 2013, 133, 2714-2721.	0.7	29
76	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> , 2020, 117, 2622-2633.	7.1	29
77	Food and microbiota in the FDA regulatory framework. <i>Science</i> , 2017, 357, 39-40.	12.6	28
78	Strain-level functional variation in the human gut microbiota based on bacterial binding to artificial food particles. <i>Cell Host and Microbe</i> , 2021, 29, 664-673.e5.	11.0	27
79	Microbial liberation of N-methylserotonin from orange fiber in gnotobiotic mice and humans. <i>Cell</i> , 2022, 185, 2495-2509.e11.	28.9	26
80	Study of Environmental Enteropathy and Malnutrition (SEEM) in Pakistan: protocols for biopsy based biomarker discovery and validation. <i>BMC Pediatrics</i> , 2019, 19, 247.	1.7	22
81	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> , 2020, 20, 242.	2.9	20
82	Attenuated Effects of Bile Acids on Glucose Metabolism and Insulin Sensitivity in a Male Mouse Model of Prenatal Undernutrition. <i>Endocrinology</i> , 2017, 158, 2441-2452.	2.8	19
83	Human Milk Oligosaccharide Compositions Illustrate Global Variations in Early Nutrition. <i>Journal of Nutrition</i> , 2022, 152, 1239-1253.	2.9	19
84	What Is the Value of a Food and Drug Administration Investigational New Drug Application for Fecal Microbiota Transplantation to Treat <i>Clostridium difficile</i> Infection?. <i>Clinical Gastroenterology and Hepatology</i> , 2014, 12, 289-291.	4.4	18
85	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> , 2021, 118, .	7.1	18
86	Myristoylcoa:Protein N-Myristoyltransferase. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 2006, 67, 375-430.	1.3	17
87	Proteolytic Processing and Compartmentalization of the Primary Translation Products of Mammalian Apolipoprotein Mrna. <i>Critical Reviews in Biochemistry</i> , 1986, 20, 37-71.	7.5	15
88	Products of gut microbial Toll/interleukin-1 receptor domain NADase activities in gnotobiotic mice and Bangladeshi children with malnutrition. <i>Cell Reports</i> , 2022, 39, 110738.	6.4	13
89	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> , 2022, 119, e2123411119.	7.1	12
90	Response from Jeffrey I. Gordon et al.: Commensal bacteria make a difference. <i>Trends in Microbiology</i> , 2003, 11, 150-151.	7.7	11

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91	Biosynthesis and compartmentalization of rat-intestinal vitamin-D-dependent calcium-binding protein. FEBS Journal, 1984, 139, 561-571.	0.2	10
92	Gut microbiome development and childhood undernutrition. Cell Host and Microbe, 2022, 30, 617-626.	11.0	9
93	Microbiota functional activity biosensors for characterizing nutrient metabolism in vivo. ELife, 2021, 10, .	6.0	7
94	Melding microbiome and nutritional science with early child development. Nature Medicine, 2021, 27, 1503-1506.	30.7	5
95	MyristoylCoA:protein <i>N</i>-Myristoyltransferase: Probing Host-Guest Interactions Using Synthetic Substrates. Israel Journal of Chemistry, 1992, 32, 127-133.	2.3	4
96	Developing shelf-stable Microbiota Directed Complementary Food (MDCF) prototypes for malnourished children: study protocol for a randomized, single-blinded, clinical study. BMC Pediatrics, 2022, 22, .	1.7	2
97	Synthesis of novel tritium labeled oxamyristic acids. Journal of Labelled Compounds and Radiopharmaceuticals, 1991, 29, 157-164.	1.0	1
98	Experimental Models of Symbiotic Host-Microbial Relationships: Understanding the Underpinnings of Beneficence and the Origins of Pathogenesis. , 2014, , 147-166.		1
99	Host-microbial symbiosis in the mammalian intestine: exploring an internal ecosystem. , 1998, 20, 336.		1
100	The Human Intestinal Microbiota and Microbiome. , 0, , 635-644.		0