

Jens Walter

List of Publications by Citations

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149
papers

16,615
citations

64
h-index

128
g-index

172
ext. papers

22,576
ext. citations

8.8
avg, IF

7.15
L-index

#	Paper	IF	Citations
149	Individuality in gut microbiota composition is a complex polygenic trait shaped by multiple environmental and host genetic factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 18933-8	11.5	859
148	A taxonomic note on the genus : Description of 23 novel genera, emended description of the genus Beijerinck 1901, and union of and. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020 , 70, 2782-2858	2.2	824
147	The Impact of Dietary Fiber on Gut Microbiota in Host Health and Disease. <i>Cell Host and Microbe</i> , 2018 , 23, 705-715	23.4	786
146	Detection of Lactobacillus, Pediococcus, Leuconostoc, and Weissella species in human feces by using group-specific PCR primers and denaturing gradient gel electrophoresis. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 2578-85	4.8	634
145	Role of the gut microbiota in nutrition and health. <i>BMJ, The</i> , 2018 , 361, k2179	5.9	597
144	A critical assessment of the "sterile womb" and "in utero colonization" hypotheses: implications for research on the pioneer infant microbiome. <i>Microbiome</i> , 2017 , 5, 48	16.6	518
143	The microbiome of uncontacted Amerindians. <i>Science Advances</i> , 2015 , 1,	14.3	517
142	Detection and identification of gastrointestinal Lactobacillus species by using denaturing gradient gel electrophoresis and species-specific PCR primers. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 297-303	4.8	509
141	Towards a more comprehensive concept for prebiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2015 , 12, 303-10	24.2	490
140	The human gut microbiome: ecology and recent evolutionary changes. <i>Annual Review of Microbiology</i> , 2011 , 65, 411-29	17.5	460
139	Ecological role of lactobacilli in the gastrointestinal tract: implications for fundamental and biomedical research. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 4985-96	4.8	450
138	Resistant starches types 2 and 4 have differential effects on the composition of the fecal microbiota in human subjects. <i>PLoS ONE</i> , 2010 , 5, e15046	3.7	414
137	Gut microbiome composition is linked to whole grain-induced immunological improvements. <i>ISME Journal</i> , 2013 , 7, 269-80	11.9	357
136	The gut microbiota of rural papua new guineans: composition, diversity patterns, and ecological processes. <i>Cell Reports</i> , 2015 , 11, 527-38	10.6	342
135	The genome architecture of the Collaborative Cross mouse genetic reference population. <i>Genetics</i> , 2012 , 190, 389-401	4	333
134	Monitoring the bacterial population dynamics in sourdough fermentation processes by using PCR-denaturing gradient gel electrophoresis. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 475-82	4.8	301
133	Diet-induced metabolic improvements in a hamster model of hypercholesterolemia are strongly linked to alterations of the gut microbiota. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 4175-84	4.8	240

132	Innate and adaptive immunity interact to quench microbiome flagellar motility in the gut. <i>Cell Host and Microbe</i> , 2013 , 14, 571-81	23.4	236
131	Daily Sampling Reveals Personalized Diet-Microbiome Associations in Humans. <i>Cell Host and Microbe</i> , 2019 , 25, 789-802.e5	23.4	234
130	Prebiotics Reduce Body Fat and Alter Intestinal Microbiota in Children Who Are Overweight or With Obesity. <i>Gastroenterology</i> , 2017 , 153, 711-722	13.3	231
129	Barcoded pyrosequencing reveals that consumption of galactooligosaccharides results in a highly specific bifidogenic response in humans. <i>PLoS ONE</i> , 2011 , 6, e25200	3.7	224
128	The Mouse Intestinal Bacterial Collection (miBC) provides host-specific insight into cultured diversity and functional potential of the gut microbiota. <i>Nature Microbiology</i> , 2016 , 1, 16131	26.6	222
127	Stable Engraftment of <i>Bifidobacterium longum</i> AH1206 in the Human Gut Depends on Individualized Features of the Resident Microbiome. <i>Cell Host and Microbe</i> , 2016 , 20, 515-526	23.4	222
126	Lifestyles in transition: evolution and natural history of the genus <i>Lactobacillus</i> . <i>FEMS Microbiology Reviews</i> , 2017 , 41, S27-S48	15.1	213
125	Exposure to a social stressor disrupts the community structure of the colonic mucosa-associated microbiota. <i>BMC Microbiology</i> , 2014 , 14, 189	4.5	203
124	The evolution of host specialization in the vertebrate gut symbiont <i>Lactobacillus reuteri</i> . <i>PLoS Genetics</i> , 2011 , 7, e1001314	6	203
123	Host-microbial symbiosis in the vertebrate gastrointestinal tract and the <i>Lactobacillus reuteri</i> paradigm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108 Suppl 1, 4645-52	11.5	199
122	Depletion of luminal iron alters the gut microbiota and prevents Crohn's disease-like ileitis. <i>Gut</i> , 2011 , 60, 325-33	19.2	198
121	Diversification of the gut symbiont <i>Lactobacillus reuteri</i> as a result of host-driven evolution. <i>ISME Journal</i> , 2010 , 4, 377-87	11.9	187
120	Establishing or Exaggerating Causality for the Gut Microbiome: Lessons from Human Microbiota-Associated Rodents. <i>Cell</i> , 2020 , 180, 221-232	56.2	171
119	In vitro characterization of the impact of selected dietary fibers on fecal microbiota composition and short chain fatty acid production. <i>Anaerobe</i> , 2013 , 23, 74-81	2.8	162
118	Characterization of reutericyclin produced by <i>Lactobacillus reuteri</i> LTH2584. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 4325-33	4.8	151
117	In vitro study of prebiotic properties of levan-type exopolysaccharides from <i>Lactobacilli</i> and non-digestible carbohydrates using denaturing gradient gel electrophoresis. <i>Systematic and Applied Microbiology</i> , 2001 , 24, 232-7	4.2	148
116	A dose dependent impact of prebiotic galactooligosaccharides on the intestinal microbiota of healthy adults. <i>International Journal of Food Microbiology</i> , 2010 , 144, 285-92	5.8	141
115	Diet-induced alterations of host cholesterol metabolism are likely to affect the gut microbiota composition in hamsters. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 516-24	4.8	135

114	Intake of <i>Lactobacillus reuteri</i> improves incretin and insulin secretion in glucose-tolerant humans: a proof of concept. <i>Diabetes Care</i> , 2015 , 38, 1827-34	14.6	131
113	Strain-specific diversity of mucus-binding proteins in the adhesion and aggregation properties of <i>Lactobacillus reuteri</i> . <i>Microbiology (United Kingdom)</i> , 2010 , 156, 3368-3378	2.9	128
112	Mucosal Barrier Depletion and Loss of Bacterial Diversity are Primary Abnormalities in Paediatric Ulcerative Colitis. <i>Journal of Crohns and Colitis</i> , 2016 , 10, 462-71	1.5	123
111	Human Microbiota-Associated Mice: A Model with Challenges. <i>Cell Host and Microbe</i> , 2016 , 19, 575-8	23.4	122
110	Precision Microbiome Modulation with Discrete Dietary Fiber Structures Directs Short-Chain Fatty Acid Production. <i>Cell Host and Microbe</i> , 2020 , 27, 389-404.e6	23.4	118
109	Dietary selenium affects host selenoproteome expression by influencing the gut microbiota. <i>FASEB Journal</i> , 2011 , 25, 2492-9	0.9	118
108	Probiotic <i>Bifidobacterium</i> strains and galactooligosaccharides improve intestinal barrier function in obese adults but show no synergism when used together as synbiotics. <i>Microbiome</i> , 2018 , 6, 121	16.6	115
107	Long-term temporal analysis of the human fecal microbiota revealed a stable core of dominant bacterial species. <i>PLoS ONE</i> , 2013 , 8, e69621	3.7	115
106	Characterization of the ileal microbiota in rejecting and nonrejecting recipients of small bowel transplants. <i>American Journal of Transplantation</i> , 2012 , 12, 753-62	8.7	109
105	Associations between infant fungal and bacterial dysbiosis and childhood atopic wheeze in a nonindustrialized setting. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 424-434.e10	11.5	105
104	Identification of <i>Lactobacillus reuteri</i> genes specifically induced in the mouse gastrointestinal tract. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 2044-51	4.8	104
103	The Fiber Gap and the Disappearing Gut Microbiome: Implications for Human Nutrition. <i>Trends in Endocrinology and Metabolism</i> , 2016 , 27, 239-242	8.8	104
102	Glucosyltransferase A (Gtfa) and inulosucrase (Inu) of <i>Lactobacillus reuteri</i> TMW1.106 contribute to cell aggregation, in vitro biofilm formation, and colonization of the mouse gastrointestinal tract. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 72-80	2.9	103
101	Synbiotic approach restores intestinal homeostasis and prolongs survival in leukaemic mice with cachexia. <i>ISME Journal</i> , 2016 , 10, 1456-70	11.9	100
100	A high-molecular-mass surface protein (Lsp) and methionine sulfoxide reductase B (MsrB) contribute to the ecological performance of <i>Lactobacillus reuteri</i> in the murine gut. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 979-86	4.8	99
99	Molecular characterization of host-specific biofilm formation in a vertebrate gut symbiont. <i>PLoS Genetics</i> , 2013 , 9, e1004057	6	94
98	Challenges of metabolomics in human gut microbiota research. <i>International Journal of Medical Microbiology</i> , 2016 , 306, 266-279	3.7	91
97	Establishing What Constitutes a Healthy Human Gut Microbiome: State of the Science, Regulatory Considerations, and Future Directions. <i>Journal of Nutrition</i> , 2019 , 149, 1882-1895	4.1	91

96	D-alanyl ester depletion of teichoic acids in <i>Lactobacillus reuteri</i> 100-23 results in impaired colonization of the mouse gastrointestinal tract. <i>Environmental Microbiology</i> , 2007 , 9, 1750-60	5.2	91
95	Impact of Fecal Microbiota Transplantation on Obesity and Metabolic Syndrome-A Systematic Review. <i>Nutrients</i> , 2019 , 11,	6.7	83
94	Resistant starch can improve insulin sensitivity independently of the gut microbiota. <i>Microbiome</i> , 2017 , 5, 12	16.6	82
93	Host genetics and diet, but not immunoglobulin A expression, converge to shape compositional features of the gut microbiome in an advanced intercross population of mice. <i>Genome Biology</i> , 2014 , 15, 552	18.3	82
92	Experimental evaluation of the importance of colonization history in early-life gut microbiota assembly. <i>ELife</i> , 2018 , 7,	8.9	78
91	Ecological behavior of <i>Lactobacillus reuteri</i> 100-23 is affected by mutation of the luxS gene. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 8419-25	4.8	73
90	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health. <i>Microbiology Spectrum</i> , 2017 , 5,	8.9	72
89	Dietary Fructose and Microbiota-Derived Short-Chain Fatty Acids Promote Bacteriophage Production in the Gut Symbiont <i>Lactobacillus reuteri</i> . <i>Cell Host and Microbe</i> , 2019 , 25, 273-284.e6	23.4	72
88	Structure and functions of exopolysaccharide produced by gut commensal <i>Lactobacillus reuteri</i> 100-23. <i>ISME Journal</i> , 2011 , 5, 1115-24	11.9	71
87	To engraft or not to engraft: an ecological framework for gut microbiome modulation with live microbes. <i>Current Opinion in Biotechnology</i> , 2018 , 49, 129-139	11.4	67
86	Randomized controlled trial on the impact of early-life intervention with bifidobacteria on the healthy infant fecal microbiota and metabolome. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 1274-1286	7.2	66
85	Increased complexity of the species composition of lactic acid bacteria in human feces revealed by alternative incubation condition. <i>Microbial Ecology</i> , 2003 , 45, 455-63	4.4	63
84	From prediction to function using evolutionary genomics: human-specific ecotypes of <i>Lactobacillus reuteri</i> have diverse probiotic functions. <i>Genome Biology and Evolution</i> , 2014 , 6, 1772-89	3.9	62
83	Construction, analysis, and beta-glucanase screening of a bacterial artificial chromosome library from the large-bowel microbiota of mice. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 2347-54	4.8	61
82	Resistant starches for the management of metabolic diseases. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015 , 18, 559-65	3.8	58
81	Asymptomatic Intestinal Colonization with Protist Is Strongly Associated with Distinct Microbiome Ecological Patterns. <i>MSystems</i> , 2018 , 3,	7.6	56
80	Sucrose utilization and impact of sucrose on glycosyltransferase expression in <i>Lactobacillus reuteri</i> . <i>Systematic and Applied Microbiology</i> , 2007 , 30, 433-43	4.2	55
79	Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels. <i>Gut Microbes</i> , 2019 , 10, 334-357	8.8	53

78	Intestinal origin of sourdough <i>Lactobacillus reuteri</i> isolates as revealed by phylogenetic, genetic, and physiological analysis. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 6777-80	4.8	48
77	Responders and non-responders to probiotic interventions: how can we improve the odds?. <i>Gut Microbes</i> , 2010 , 1, 200-4	8.8	48
76	Faecal microbiota from patients with cirrhosis has a low capacity to ferment non-digestible carbohydrates into short-chain fatty acids. <i>Liver International</i> , 2019 , 39, 1437-1447	7.9	47
75	Engineering the <i>Campylobacter jejuni</i> N-glycan to create an effective chicken vaccine. <i>Scientific Reports</i> , 2016 , 6, 26511	4.9	47
74	Experimental Evaluation of Host Adaptation of <i>Lactobacillus reuteri</i> to Different Vertebrate Species. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	46
73	Dietary non-fermentable fiber prevents autoimmune neurological disease by changing gut metabolic and immune status. <i>Scientific Reports</i> , 2018 , 8, 10431	4.9	44
72	<i>Bifidobacterium animalis</i> causes extensive duodenitis and mild colonic inflammation in monoassociated interleukin-10-deficient mice. <i>Inflammatory Bowel Diseases</i> , 2009 , 15, 1022-31	4.5	43
71	Ability of the gut microbiota to produce PUFA-derived bacterial metabolites: Proof of concept in germ-free versus conventionalized mice. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1603-13	5.9	41
70	Low-Density Lipoprotein Receptor Signaling Mediates the Triglyceride-Lowering Action of <i>Akkermansia muciniphila</i> in Genetic-Induced Hyperlipidemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 1448-56	9.4	41
69	Genetic determinants of reutericyclin biosynthesis in <i>Lactobacillus reuteri</i> . <i>Applied and Environmental Microbiology</i> , 2015 , 81, 2032-41	4.8	39
68	In vivo selection to identify bacterial strains with enhanced ecological performance in synbiotic applications. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 2455-65	4.8	37
67	A small variation in diet influences the <i>Lactobacillus</i> strain composition in the crop of broiler chickens. <i>Systematic and Applied Microbiology</i> , 2010 , 33, 275-81	4.2	36
66	Comparison of the Colonization Ability of Autochthonous and Allochthonous Strains of <i>Lactobacilli</i> in the Human Gastrointestinal Tract. <i>Advances in Microbiology</i> , 2012 , 02, 399-409	0.6	36
65	Gut microbiota modulation with long-chain corn bran arabinoxylan in adults with overweight and obesity is linked to an individualized temporal increase in fecal propionate. <i>Microbiome</i> , 2020 , 8, 118	16.6	30
64	Disparate Metabolic Responses in Mice Fed a High-Fat Diet Supplemented with Maize-Derived Non-Digestible Feruloylated Oligo- and Polysaccharides Are Linked to Changes in the Gut Microbiota. <i>PLoS ONE</i> , 2016 , 11, e0146144	3.7	30
63	Coadministration of the <i>Campylobacter jejuni</i> N-Glycan-Based Vaccine with Probiotics Improves Vaccine Performance in Broiler Chickens. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	28
62	The pan-genome of <i>Lactobacillus reuteri</i> strains originating from the pig gastrointestinal tract. <i>BMC Genomics</i> , 2015 , 16, 1023	4.5	28
61	Synbiotics for Improved Human Health: Recent Developments, Challenges, and Opportunities. <i>Annual Review of Food Science and Technology</i> , 2018 , 9, 451-479	14.7	27

60	A gut pathobiont synergizes with the microbiota to instigate inflammatory disease marked by immunoreactivity against other symbionts but not itself. <i>Scientific Reports</i> , 2017 , 7, 17707	4.9	27
59	Holobiont nutrition: considering the role of the gastrointestinal microbiota in the health benefits of whole grains. <i>Gut Microbes</i> , 2013 , 4, 340-6	8.8	25
58	Fecal microbial transplantation and fiber supplementation in patients with severe obesity and metabolic syndrome: a randomized double-blind, placebo-controlled phase 2 trial. <i>Nature Medicine</i> , 2021 , 27, 1272-1279	50.5	25
57	Impact of dietary pattern of the fecal donor on in vitro fermentation properties of whole grains and brans. <i>Journal of Functional Foods</i> , 2017 , 29, 281-289	5.1	23
56	A real-time PCR assay for accurate quantification of the individual members of the Altered Schaedler Flora microbiota in gnotobiotic mice. <i>Journal of Microbiological Methods</i> , 2017 , 135, 52-62	2.8	23
55	Quantitative evaluation of synbiotic strategies to improve persistence and metabolic activity of <i>Lactobacillus reuteri</i> DSM 17938 in the human gastrointestinal tract. <i>Journal of Functional Foods</i> , 2014 , 10, 85-94	5.1	23
54	Murine gut microbiota-diet trumps genes. <i>Cell Host and Microbe</i> , 2015 , 17, 3-5	23.4	23
53	Inducible gene expression in <i>Lactobacillus reuteri</i> LTH5531 during type II sourdough fermentation. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 5873-8	4.8	21
52	Characterization of the ecological role of genes mediating acid resistance in <i>Lactobacillus reuteri</i> during colonization of the gastrointestinal tract. <i>Environmental Microbiology</i> , 2016 , 18, 2172-84	5.2	21
51	Bacterial AB toxins inhibit the growth of gut bacteria by targeting ganglioside-like glycoconjugates. <i>Nature Communications</i> , 2019 , 10, 1390	17.4	20
50	Identification and characterization of intestinal lactobacilli strains capable of degrading immunotoxic peptides present in gluten. <i>Journal of Applied Microbiology</i> , 2015 , 118, 515-27	4.7	20
49	A philosophical perspective on the prenatal in utero microbiome debate. <i>Microbiome</i> , 2021 , 9, 5	16.6	20
48	Ecological Importance of Cross-Feeding of the Intermediate Metabolite 1,2-Propanediol between Bacterial Gut Symbionts. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	17
47	Alteration of the gastrointestinal microbiota of mice by edible blue-green algae. <i>Journal of Applied Microbiology</i> , 2009 , 107, 1108-18	4.7	17
46	The evolution of ecological facilitation within mixed-species biofilms in the mouse gastrointestinal tract. <i>ISME Journal</i> , 2018 , 12, 2770-2784	11.9	16
45	Prophages in <i>Lactobacillus reuteri</i> Are Associated with Fitness Trade-Offs but Can Increase Competitiveness in the Gut Ecosystem. <i>Applied and Environmental Microbiology</i> , 2019 , 86,	4.8	15
44	Genes Involved in Galactooligosaccharide Metabolism in <i>Lactobacillus reuteri</i> and Their Ecological Role in the Gastrointestinal Tract. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	13
43	Effects of lactose and yeast-dried milk on growth performance, fecal microbiota, and immune parameters of nursery pigs. <i>Journal of Animal Science</i> , 2012 , 90, 3049-59	0.7	13

42	Effectiveness of Probiotic, Prebiotic, and Synbiotic Supplementation to Improve Perinatal Mental Health in Mothers: A Systematic Review and Meta-Analysis. <i>Frontiers in Psychiatry</i> , 2021 , 12, 622181	5	12
41	The importance of social networks-An ecological and evolutionary framework to explain the role of microbes in the aetiology of allergy and asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019 , 74, 2248-2251	9.3	11
40	The Effect of Isolated and Synthetic Dietary Fibers on Markers of Metabolic Diseases in Human Intervention Studies: A Systematic Review. <i>Advances in Nutrition</i> , 2020 , 11, 420-438	10	11
39	Biomarkers for assessment of intestinal permeability in clinical practice. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 321, G11-G17	5.1	11
38	Resilience of small intestinal beneficial bacteria to the toxicity of soybean oil fatty acids. <i>ELife</i> , 2018 , 7,	8.9	10
37	Metabolite profiling reveals the interaction of chitin-glucan with the gut microbiota. <i>Gut Microbes</i> , 2020 , 12, 1810530	8.8	9
36	Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial. <i>European Journal of Nutrition</i> , 2021 , 60, 3159-3170	5.2	9
35	The FiberTAG project: Tagging dietary fibre intake by measuring biomarkers related to the gut microbiota and their interest for health. <i>Nutrition Bulletin</i> , 2020 , 45, 59-65	3.5	8
34	Voluntary wheel running reveals sex-specific nociceptive factors in murine experimental autoimmune encephalomyelitis. <i>Pain</i> , 2019 , 160, 870-881	8	8
33	Serine-rich repeat protein adhesins from <i>Lactobacillus reuteri</i> display strain specific glycosylation profiles. <i>Glycobiology</i> , 2019 , 29, 45-58	5.8	8
32	Effect of corn distillers dried grains with solubles on growth performance and health status indicators in weanling pigs. <i>Journal of Animal Science</i> , 2012 , 90, 790-801	0.7	7
31	Supplementation with a probiotic mixture accelerates gut microbiome maturation and reduces intestinal inflammation in extremely preterm infants.. <i>Cell Host and Microbe</i> , 2022 , 30, 696-711.e5	23.4	7
30	Detection of <i>Fusobacterium</i> Species in Human Feces Using Genus-Specific PCR Primers and Denaturing Gradient Gel Electrophoresis. <i>Microbial Ecology in Health and Disease</i> , 2002 , 14, 129-132		6
29	The Gut Microbiota Profile in Children with Prader-Willi Syndrome. <i>Genes</i> , 2020 , 11,	4.2	6
28	sp. nov., sp. nov., sp. nov., sp. nov. and sp. nov., five novel species isolated from the vertebrate gastrointestinal tract, and proposal of six subspecies of adapted to the gastrointestinal tract of specific vertebrate hosts. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021 , 71,	2.2	6
27	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health 2018 , 453-483		6
26	Over-creasing fetal microbial exposure. <i>Cell</i> , 2021 , 184, 5839-5841	56.2	5
25	Effects of a yeast-dried milk product in creep and phase-1 nursery diets on growth performance, circulating immunoglobulin A, and fecal microbiota of nursing and nursery pigs. <i>Journal of Animal Science</i> , 2014 , 92, 4518-30	0.7	4

24	Higher levels of bacterial DNA in serum associate with severe and fatal COVID-19.. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022 ,	9.3	4
23	Effects of triclosan on the normal intestinal microbiota and on susceptibility to experimental murine colitis. <i>FASEB Journal</i> , 2009 , 23, 977.10	0.9	4
22	A Phylogenetic View on the Role of Glycerol for Growth Enhancement and Reuterin Formation in. <i>Frontiers in Microbiology</i> , 2020 , 11, 601422	5.7	4
21	Draft Genome Sequence of a Novel <i>Lactobacillus salivarius</i> Strain Isolated from Piglet. <i>Genome Announcements</i> , 2014 , 2,		3
20	Grain Sorghum Lipids: Extraction, Characterization, and Health Potential. <i>ACS Symposium Series</i> , 2011 , 149-170	0.4	3
19	Establishing the phenotypic basis of adherent-invasive <i>Escherichia coli</i> (AIEC) pathogenicity in intestinal inflammation		3
18	Sorghum-based dietary intervention enriches <i>Faecalibacterium prausnitzii</i> in fecal samples of overweight individuals. <i>FASEB Journal</i> , 2013 , 27, 1056.12	0.9	3
17	Development of a Repertoire and a Food Frequency Questionnaire for Estimating Dietary Fiber Intake Considering Prebiotics: Input from the FiberTAG Project. <i>Nutrients</i> , 2020 , 12,	6.7	3
16	Composition and Functions of the Gut Microbiome in Pediatric Obesity: Relationships with Markers of Insulin Resistance. <i>Microorganisms</i> , 2021 , 9,	4.9	3
15	Nutritional and ecological perspectives of the interrelationships between diet and the gut microbiome in multiple sclerosis: Insights from marmosets. <i>iScience</i> , 2021 , 24, 102709	6.1	3
14	Influence of the Mediterranean diet on the production of short-chain fatty acids in women at risk for breast cancer (LIBRE). <i>Proceedings of the Nutrition Society</i> , 2020 , 79,	2.9	2
13	Noninvasive monitoring of fibre fermentation in healthy volunteers by analyzing breath volatile metabolites: lessons from the FiberTAG intervention study. <i>Gut Microbes</i> , 2021 , 13, 1-16	8.8	2
12	Efficacy of metformin and fermentable fiber combination therapy in adolescents with severe obesity and insulin resistance: study protocol for a double-blind randomized controlled trial. <i>Trials</i> , 2021 , 22, 148	2.8	2
11	Intraspecies strain exclusion, antibiotic pretreatment, and donor selection control microbiota engraftment after fecal transplantation		2
10	Metagenomic strain detection with SameStr: identification of a persisting core gut microbiota transferable by fecal transplantation.. <i>Microbiome</i> , 2022 , 10, 53	16.6	2
9	Elucidating the role of the gut microbiota in the physiological effects of dietary fiber.. <i>Microbiome</i> , 2022 , 10, 77	16.6	2
8	Improving Chicken Responses to Glycoconjugate Vaccination Against. <i>Frontiers in Microbiology</i> , 2021 , 12, 734526	5.7	1
7	Discovering the molecular foundations of <i>Lactobacillus autochthony</i> in the gastrointestinal tract. <i>Japanese Journal of Lactic Acid Bacteria</i> , 2008 , 19, 9-20	0	1

6	Pros and cons: Is faecal microbiota transplantation a safe and efficient treatment option for gut dysbiosis?. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 2312-2317	9.3	1
5	Insights Into the Relationship Between Gut Microbiota and Colorectal Cancer. <i>Current Colorectal Cancer Reports</i> , 2018 , 14, 251-265	1	1
4	Experimental evaluation of ecological principles to understand and modulate the outcome of bacterial strain competition in gut microbiomes.. <i>ISME Journal</i> , 2022 ,	11.9	1
3	Breath volatile metabolome reveals the impact of dietary fibres on the gut microbiota: Proof of concept in healthy volunteers.. <i>EBioMedicine</i> , 2022 , 80, 104051	8.8	1
2	Dietary beta-fructans reduce inflammation in patients with mild to moderate Ulcerative Colitis. <i>Inflammatory Bowel Diseases</i> , 2011 , 17, S25	4.5	0
1	When to suspect contamination rather than colonization - lessons from a putative fetal sheep microbiome.. <i>Gut Microbes</i> , 2022 , 14, 2005751	8.8	0