

Jens Walter

List of Publications by Year in Descending Order

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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.

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	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
148	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
147	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
146	When to suspect contamination rather than colonization - lessons from a putative fetal sheep microbiome.. <i>Gut Microbes</i> , 2022 , 14, 2005751	8.8	0
145	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
144	Elucidating the role of the gut microbiota in the physiological effects of dietary fiber.. <i>Microbiome</i> , 2022 , 10, 77	16.6	2
143	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
142	Improving Chicken Responses to Glycoconjugate Vaccination Against. <i>Frontiers in Microbiology</i> , 2021 , 12, 734526	5.7	1
141	Over-celling fetal microbial exposure. <i>Cell</i> , 2021 , 184, 5839-5841	56.2	5
140	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
139	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
138	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
137	Biomarkers for assessment of intestinal permeability in clinical practice. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 321, G11-G17	5.1	11
136	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
135	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
134	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
133	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 ,	2.2	6

132	Composition and Functions of the Gut Microbiome in Pediatric Obesity: Relationships with Markers of Insulin Resistance. <i>Microorganisms</i> , 2021 , 9,	4.9	3
131	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
130	A philosophical perspective on the prenatal in utero microbiome debate. <i>Microbiome</i> , 2021 , 9, 5	16.6	20
129	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
128	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
127	Establishing or Exaggerating Causality for the Gut Microbiome: Lessons from Human Microbiota-Associated Rodents. <i>Cell</i> , 2020 , 180, 221-232	56.2	171
126	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
125	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
124	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
123	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
122	The Gut Microbiota Profile in Children with Prader-Willi Syndrome. <i>Genes</i> , 2020 , 11,	4.2	6
121	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
120	Metabolite profiling reveals the interaction of chitin-glucan with the gut microbiota. <i>Gut Microbes</i> , 2020 , 12, 1810530	8.8	9
119	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
118	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
117	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
116	Impact of Fecal Microbiota Transplantation on Obesity and Metabolic Syndrome-A Systematic Review. <i>Nutrients</i> , 2019 , 11,	6.7	83
115	Daily Sampling Reveals Personalized Diet-Microbiome Associations in Humans. <i>Cell Host and Microbe</i> , 2019 , 25, 789-802.e5	23.4	234

114	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
113	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
112	Bacterial AB toxins inhibit the growth of gut bacteria by targeting ganglioside-like glycoconjugates. <i>Nature Communications</i> , 2019 , 10, 1390	17.4	20
111	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
110	Voluntary wheel running reveals sex-specific nociceptive factors in murine experimental autoimmune encephalomyelitis. <i>Pain</i> , 2019 , 160, 870-881	8	8
109	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
108	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
107	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
106	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
105	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
104	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
103	Resilience of small intestinal beneficial bacteria to the toxicity of soybean oil fatty acids. <i>ELife</i> , 2018 , 7,	8.9	10
102	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
101	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
100	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
99	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
98	Role of the gut microbiota in nutrition and health. <i>BMJ, The</i> , 2018 , 361, k2179	5.9	597
97	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

96	Insights Into the Relationship Between Gut Microbiota and Colorectal Cancer. <i>Current Colorectal Cancer Reports</i> , 2018 , 14, 251-265	1	1
95	Experimental evaluation of the importance of colonization history in early-life gut microbiota assembly. <i>ELife</i> , 2018 , 7,	8.9	78
94	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health 2018 , 453-483		6
93	Asymptomatic Intestinal Colonization with Protist Is Strongly Associated with Distinct Microbiome Ecological Patterns. <i>MSystems</i> , 2018 , 3,	7.6	56
92	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
91	Resistant starch can improve insulin sensitivity independently of the gut microbiota. <i>Microbiome</i> , 2017 , 5, 12	16.6	82
90	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
89	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
88	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
87	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
86	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
85	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health. <i>Microbiology Spectrum</i> , 2017 , 5,	8.9	72
84	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
83	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
82	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
81	Engineering the <i>Campylobacter jejuni</i> N-glycan to create an effective chicken vaccine. <i>Scientific Reports</i> , 2016 , 6, 26511	4.9	47
80	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
79	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

78	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
77	Challenges of metabolomics in human gut microbiota research. <i>International Journal of Medical Microbiology</i> , 2016 , 306, 266-279	3.7	91
76	Synbiotic approach restores intestinal homeostasis and prolongs survival in leukaemic mice with cachexia. <i>ISME Journal</i> , 2016 , 10, 1456-70	11.9	100
75	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
74	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
73	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
72	Human Microbiota-Associated Mice: A Model with Challenges. <i>Cell Host and Microbe</i> , 2016 , 19, 575-8	23.4	122
71	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
70	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
69	The microbiome of uncontacted Amerindians. <i>Science Advances</i> , 2015 , 1,	14.3	517
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	Towards a more comprehensive concept for prebiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2015 , 12, 303-10	24.2	490
66	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
65	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
64	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
63	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
62	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
61	Genetic determinants of reutericyclin biosynthesis in <i>Lactobacillus reuteri</i> . <i>Applied and Environmental Microbiology</i> , 2015 , 81, 2032-41	4.8	39

60	Murine gut microbiota-diet trumps genes. <i>Cell Host and Microbe</i> , 2015 , 17, 3-5	23.4	23
59	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
58	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
57	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
56	Draft Genome Sequence of a Novel <i>Lactobacillus salivarius</i> Strain Isolated from Piglet. <i>Genome Announcements</i> , 2014 , 2,		3
55	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
54	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
53	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
52	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
51	Gut microbiome composition is linked to whole grain-induced immunological improvements. <i>ISME Journal</i> , 2013 , 7, 269-80	11.9	357
50	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
49	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
48	Molecular characterization of host-specific biofilm formation in a vertebrate gut symbiont. <i>PLoS Genetics</i> , 2013 , 9, e1004057	6	94
47	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
46	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
45	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
44	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
43	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

42	The genome architecture of the Collaborative Cross mouse genetic reference population. <i>Genetics</i> , 2012 , 190, 389-401	4	333
41	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
40	Comparison of the Colonization Ability of Autochthonous and Allochthonous Strains of Lactobacilli in the Human Gastrointestinal Tract. <i>Advances in Microbiology</i> , 2012 , 02, 399-409	0.6	36
39	Host-microbial symbiosis in the vertebrate gastrointestinal tract and the Lactobacillus reuteri 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
38	Dietary beta-fructans reduce inflammation in patients with mild to moderate Ulcerative Colitis. <i>Inflammatory Bowel Diseases</i> , 2011 , 17, S25	4.5	0
37	Structure and functions of exopolysaccharide produced by gut commensal Lactobacillus reuteri 100-23. <i>ISME Journal</i> , 2011 , 5, 1115-24	11.9	71
36	Grain Sorghum Lipids: Extraction, Characterization, and Health Potential. <i>ACS Symposium Series</i> , 2011 , 149-170	0.4	3
35	The human gut microbiome: ecology and recent evolutionary changes. <i>Annual Review of Microbiology</i> , 2011 , 65, 411-29	17.5	460
34	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
33	Dietary selenium affects host selenoproteome expression by influencing the gut microbiota. <i>FASEB Journal</i> , 2011 , 25, 2492-9	0.9	118
32	The evolution of host specialization in the vertebrate gut symbiont Lactobacillus reuteri. <i>PLoS Genetics</i> , 2011 , 7, e1001314	6	203
31	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
30	Diversification of the gut symbiont Lactobacillus reuteri as a result of host-driven evolution. <i>ISME Journal</i> , 2010 , 4, 377-87	11.9	187
29	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
28	Strain-specific diversity of mucus-binding proteins in the adhesion and aggregation properties of Lactobacillus reuteri. <i>Microbiology (United Kingdom)</i> , 2010 , 156, 3368-3378	2.9	128
27	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
26	Responders and non-responders to probiotic interventions: how can we improve the odds?. <i>Gut Microbes</i> , 2010 , 1, 200-4	8.8	48
25	A small variation in diet influences the Lactobacillus strain composition in the crop of broiler chickens. <i>Systematic and Applied Microbiology</i> , 2010 , 33, 275-81	4.2	36

24	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
23	<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
22	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
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	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

6	In vitro study of prebiotic properties of levan-type exopolysaccharides from Lactobacilli and non-digestible carbohydrates using denaturing gradient gel electrophoresis. <i>Systematic and Applied Microbiology</i> , 2001 , 24, 232-7	4.2	148
5	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
4	Characterization of reutericyclin produced by Lactobacillus reuteri LTH2584. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 4325-33	4.8	151
3	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
2	Establishing the phenotypic basis of adherent-invasive Escherichia coli (AIEC) pathogenicity in intestinal inflammation		3
1	Intraspecies strain exclusion, antibiotic pretreatment, and donor selection control microbiota engraftment after fecal transplantation		2