

Stefan Roos

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.

70
papers

4,191
citations

35
h-index

64
g-index

71
ext. papers

5,024
ext. citations

4.7
avg, IF

5.3
L-index

#	Paper	IF	Citations
70	Broad and complex antifungal activity among environmental isolates of lactic acid bacteria. <i>FEMS Microbiology Letters</i> , 2003 , 219, 129-35	2.9	303
69	A high-molecular-mass cell-surface protein from <i>Lactobacillus reuteri</i> 1063 adheres to mucus components. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 433-442	2.9	281
68	<i>Lactobacillus reuteri</i> DSM 17938 in infantile colic: a randomized, double-blind, placebo-controlled trial. <i>Pediatrics</i> , 2010 , 126, e526-33	7.4	227
67	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
66	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
65	Gastroprotective and blood pressure lowering effects of dietary nitrate are abolished by an antiseptic mouthwash. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1068-75	7.8	175
64	Removal of antibiotic resistance gene-carrying plasmids from <i>Lactobacillus reuteri</i> ATCC 55730 and characterization of the resulting daughter strain, <i>L. reuteri</i> DSM 17938. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 6032-40	4.8	174
63	<i>Syntrophaceticus schinkii</i> gen. nov., sp. nov., an anaerobic, syntrophic acetate-oxidizing bacterium isolated from a mesophilic anaerobic filter. <i>FEMS Microbiology Letters</i> , 2010 , 309, 100-4	2.9	150
62	Identification of probiotic effector molecules: present state and future perspectives. <i>Current Opinion in Biotechnology</i> , 2018 , 49, 217-223	11.4	132
61	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
60	<i>Tepidanaerobacter acetatoxydans</i> sp. nov., an anaerobic, syntrophic acetate-oxidizing bacterium isolated from two ammonium-enriched mesophilic methanogenic processes. <i>Systematic and Applied Microbiology</i> , 2011 , 34, 260-6	4.2	125
59	Exploring metabolic pathway reconstruction and genome-wide expression profiling in <i>Lactobacillus reuteri</i> to define functional probiotic features. <i>PLoS ONE</i> , 2011 , 6, e18783	3.7	120
58	Genomic and genetic characterization of the bile stress response of probiotic <i>Lactobacillus reuteri</i> ATCC 55730. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 1812-9	4.8	104
57	Molecular fingerprinting of the fecal microbiota of children raised according to different lifestyles. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 2284-9	4.8	102
56	The early response to acid shock in <i>Lactobacillus reuteri</i> involves the ClpL chaperone and a putative cell wall-altering esterase. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 3924-35	4.8	100
55	A collagen binding protein from <i>Lactobacillus reuteri</i> is part of an ABC transporter system?. <i>FEMS Microbiology Letters</i> , 1996 , 144, 33-8	2.9	90
54	Resetting microbiota by <i>Lactobacillus reuteri</i> inhibits T reg deficiency-induced autoimmunity via adenosine A2A receptors. <i>Journal of Experimental Medicine</i> , 2017 , 214, 107-123	16.6	85

53	A highly virulent pathogen, <i>Aeromonas hydrophila</i> , from the freshwater crayfish <i>Pacifastacus leniusculus</i> . <i>Journal of Invertebrate Pathology</i> , 2009 , 101, 56-66	2.6	76
52	Multifunctional implant coatings providing possibilities for fast antibiotics loading with subsequent slow release. <i>Journal of Materials Science: Materials in Medicine</i> , 2009 , 20, 1859-67	4.5	75
51	Microbiological characterization of wet wheat distillersTgrain, with focus on isolation of lactobacilli with potential as probiotics. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 1522-7	4.8	72
50	454 pyrosequencing analysis on faecal samples from a randomized DBPC trial of colicky infants treated with <i>Lactobacillus reuteri</i> DSM 17938. <i>PLoS ONE</i> , 2013 , 8, e56710	3.7	71
49	<i>Lactobacillus gastricus</i> sp. nov., <i>Lactobacillus antri</i> sp. nov., <i>Lactobacillus kalixensis</i> sp. nov. and <i>Lactobacillus ultunensis</i> sp. nov., isolated from human stomach mucosa. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005 , 55, 77-82	2.2	68
48	Addition of mucin to the growth medium triggers mucus-binding activity in different strains of <i>Lactobacillus reuteri</i> in vitro. <i>FEMS Microbiology Letters</i> , 2001 , 204, 19-22	2.9	67
47	Phosphoketolase pathway dominates in <i>Lactobacillus reuteri</i> ATCC 55730 containing dual pathways for glycolysis. <i>Journal of Bacteriology</i> , 2008 , 190, 206-12	3.5	66
46	Role of <i>Lactobacillus reuteri</i> cell and mucus-binding protein A (CmbA) in adhesion to intestinal epithelial cells and mucus in vitro. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 671-681	2.9	60
45	Effects of <i>Lactobacillus johnsonii</i> and <i>Lactobacillus reuteri</i> on gut barrier function and heat shock proteins in intestinal porcine epithelial cells. <i>Physiological Reports</i> , 2015 , 3, e12355	2.6	57
44	Accelerated wound healing in mice by on-site production and delivery of CXCL12 by transformed lactic acid bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1895-1900	11.5	56
43	Transferability of a tetracycline resistance gene from probiotic <i>Lactobacillus reuteri</i> to bacteria in the gastrointestinal tract of humans. <i>Antonie Van Leeuwenhoek</i> , 2010 , 97, 189-200	2.1	51
42	The cell surface of <i>Lactobacillus reuteri</i> ATCC 55730 highlighted by identification of 126 extracellular proteins from the genome sequence. <i>FEMS Microbiology Letters</i> , 2005 , 253, 75-82	2.9	46
41	Autoaggregation of <i>Lactobacillus reuteri</i> is mediated by a putative DEAD-box helicase. <i>Molecular Microbiology</i> , 1999 , 32, 427-36	4.1	44
40	Antibiotic susceptibility profiles of <i>Lactobacillus reuteri</i> and <i>Lactobacillus fermentum</i> . <i>Journal of Food Protection</i> , 2007 , 70, 412-8	2.5	40
39	Environmental influences on exopolysaccharide formation in <i>Lactobacillus reuteri</i> ATCC 55730. <i>International Journal of Food Microbiology</i> , 2007 , 116, 159-67	5.8	40
38	Lactobacilli Reduce <i>Helicobacter pylori</i> Attachment to Host Gastric Epithelial Cells by Inhibiting Adhesion Gene Expression. <i>Infection and Immunity</i> , 2016 , 84, 1526-1535	3.7	39
37	Global transcriptional response of <i>Lactobacillus reuteri</i> to the sourdough environment. <i>Systematic and Applied Microbiology</i> , 2008 , 31, 323-38	4.2	36
36	Glycerol supplementation enhances <i>L. reuteri</i> 's protective effect against <i>S. Typhimurium</i> colonization in a 3-D model of colonic epithelium. <i>PLoS ONE</i> , 2012 , 7, e37116	3.7	35

35	Early-life gut bacteria associate with IL-4-, IL-10- and IFN- γ -production at two years of age. <i>PLoS ONE</i> , 2012 , 7, e49315	3.7	32
34	Adherence of clinically isolated lactobacilli to human cervical cells in competition with Neisseria gonorrhoeae. <i>Microbes and Infection</i> , 2008 , 10, 1325-34	9.3	31
33	Effects of inoculum size and incubation time on broth microdilution susceptibility testing of lactic acid bacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 394-6	5.9	30
32	In Vivo and In Vitro Detection of Luminescent and Fluorescent Lactobacillus reuteri and Application of Red Fluorescent mCherry for Assessing Plasmid Persistence. <i>PLoS ONE</i> , 2016 , 11, e0151969	3.7	29
31	The pan-genome of Lactobacillus reuteri strains originating from the pig gastrointestinal tract. <i>BMC Genomics</i> , 2015 , 16, 1023	4.5	28
30	Structural and molecular insights into novel surface-exposed mucus adhesins from Lactobacillus reuteri human strains. <i>Molecular Microbiology</i> , 2014 , 92, 543-56	4.1	24
29	Lactobacillus reuteri strains protect epithelial barrier integrity of IPEC-J2 monolayers from the detrimental effect of enterotoxigenic Escherichia coli. <i>Physiological Reports</i> , 2018 , 6, e13514	2.6	23
28	Evaluation of growth, metabolism and production of potentially bioactive components during fermentation of barley with Lactobacillus reuteri. <i>Food Microbiology</i> , 2016 , 57, 159-71	6	23
27	Quantitative evaluation of synbiotic strategies to improve persistence and metabolic activity of Lactobacillus reuteri DSM 17938 in the human gastrointestinal tract. <i>Journal of Functional Foods</i> , 2014 , 10, 85-94	5.1	23
26	Health effects of probiotics and prebiotics A literature review on human studies. <i>Næringsforskning: Referatidskrift I Næringsforskningsfrågor</i> , 2001 , 45, 58-75		23
25	DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, G824-G838	5.1	22
24	Lactobacillus equigenerosi sp. nov., a coccoid species isolated from faeces of thoroughbred racehorses. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008 , 58, 914-8	2.2	21
23	Inducible gene expression in Lactobacillus reuteri LTH5531 during type II sourdough fermentation. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 5873-8	4.8	21
22	Phage display reveals 52 novel extracellular and transmembrane proteins from Lactobacillus reuteri DSM 20016(T). <i>Microbiology (United Kingdom)</i> , 2003 , 149, 3493-3505	2.9	18
21	Lactobacilli reduce cell cytotoxicity caused by Streptococcus pyogenes by producing lactic acid that degrades the toxic component lipoteichoic acid. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 1622-8	5.9	17
20	Extracellular Membrane Vesicles from Lactobacilli Dampen IFN- γ -Responses in a Monocyte-Dependent Manner. <i>Scientific Reports</i> , 2019 , 9, 17109	4.9	17
19	Staphylococcus aureus-derived factors induce IL-10, IFN- γ and IL-17A-expressing FOXP3+CD161+ T-helper cells in a partly monocyte-dependent manner. <i>Scientific Reports</i> , 2016 , 6, 22083	4.9	16
18	Correlation between the Antimicrobial Activity and Metabolic Profiles of Cell Free Supernatants and Membrane Vesicles Produced by DSM 17938. <i>Microorganisms</i> , 2020 , 8,	4.9	14

17	Impact of the fermentation parameters pH and temperature on stress resilience of <i>Lactobacillus reuteri</i> DSM 17938. <i>AMB Express</i> , 2019 , 9, 66	4.1	13
16	Gut Symbionts <i>Lactobacillus reuteri</i> R2lc and 2010 Encode a Polyketide Synthase Cluster That Activates the Mammalian Aryl Hydrocarbon Receptor. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	12
15	Effect of <i>Lactobacillus reuteri</i> on Cell Viability and PGE Production in Human Gingival Fibroblasts. <i>Probiotics and Antimicrobial Proteins</i> , 2017 , 9, 278-283	5.5	10
14	<i>Lactobacilli</i> regulate <i>Staphylococcus aureus</i> 161:2-induced pro-inflammatory T-cell responses in vitro. <i>PLoS ONE</i> , 2013 , 8, e77893	3.7	10
13	<i>Lactobacillus saerimneri</i> sp. nov., isolated from pig faeces. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004 , 54, 1365-1368	2.2	10
12	Proposal of <i>Thorsellia kenyensis</i> sp. nov. and <i>Thorsellia kandunguensis</i> sp. nov., isolated from larvae of <i>Anopheles arabiensis</i> , as members of the family Thorselliaceae fam. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015 , 65, 444-451	2.2	6
11	Identification of bacteria and yeasts from in vitro and surface-sterilized field samples of <i>Ensete ventricosum</i> by rDNA analysis. <i>Biotechnology Letters</i> , 2004 , 26, 1867-72	3	6
10	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
9	Human Breast Milk Promotes the Secretion of Potentially Beneficial Metabolites by Probiotic DSM 17938. <i>Nutrients</i> , 2019 , 11,	6.7	5
8	A collagen binding protein from <i>Lactobacillus reuteri</i> is part of an ABC transporter system?		5
7	Distinct B cell subsets in Peyer's patches convey probiotic effects by <i>Limosilactobacillus reuteri</i> . <i>Microbiome</i> , 2021 , 9, 198	16.6	4
6	and differentially affect gut microbes and metabolites in mice with Treg deficiency. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 320, G969-G981	5.1	4
5	Draft Genome Sequence of a Novel <i>Lactobacillus salivarius</i> Strain Isolated from Piglet. <i>Genome Announcements</i> , 2014 , 2,		3
4	Human Breast Milk Promotes the Immunomodulatory Function of Probiotic DSM 17938 in the Neonatal Rat Intestine. <i>Journal of Probiotics & Health</i> , 2019 , 7,		2
3	Genome-scale insights into the metabolic versatility of <i>Limosilactobacillus reuteri</i> . <i>BMC Biotechnology</i> , 2021 , 21, 46	3.5	1
2	<i>Lactobacillus reuteri</i> effects on maternal separation stress in newborn mice. <i>Pediatric Research</i> , 2021 , 90, 980-988	3.2	1
1	Influence of <i>Lactobacillus reuteri</i> on the colonic microbiota in health and Dextran Sulphate Sodium (DSS)-induced colitis. <i>FASEB Journal</i> , 2011 , 25, 1120.5	0.9	