Stefan Roos

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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	Distinct B cell subsets in Peyer's patches convey probiotic effects by Limosilactobacillus reuteri. *Microbiome*, **2021**, 9, 198	16.6	4
69	and differentially affect gut microbes and metabolites in mice with Treg deficiency. *American Journal of Physiology - Renal Physiology*, **2021**, 320, G969-G981	5.1	4
68	Genome-scale insights into the metabolic versatility of Limosilactobacillus reuteri. *BMC Biotechnology*, **2021**, 21, 46	3.5	1
67	Lactobacillus reuteri effects on maternal separation stress in newborn mice. *Pediatric Research*, **2021**, 90, 980-988	3.2	1
66	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. *International Journal of Systematic and Evolutionary Microbiology*, **2021**, 71,	2.2	6
65	Correlation between the Antimicrobial Activity and Metabolic Profiles of Cell Free Supernatants and Membrane Vesicles Produced by DSM 17938. *Microorganisms*, **2020**, 8,	4.9	14
64	DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites. *American Journal of Physiology - Renal Physiology*, **2019**, 317, G824-G838	5.1	22
63	Impact of the fermentation parameters pH and temperature on stress resilience of Lactobacillus reuteri DSM 17938. *AMB Express*, **2019**, 9, 66	4.1	13
62	Human Breast Milk Promotes the Secretion of Potentially Beneficial Metabolites by Probiotic DSM 17938. *Nutrients*, **2019**, 11,	6.7	5
61	Human Breast Milk Promotes the Immunomodulatory Function of Probiotic DSM 17938 in the Neonatal Rat Intestine. *Journal of Probiotics & Health*, **2019**, 7,		2
60	Extracellular Membrane Vesicles from Lactobacilli Dampen IFN-Responses in a Monocyte-Dependent Manner. *Scientific Reports*, **2019**, 9, 17109	4.9	17
59	Gut Symbionts Lactobacillus reuteri R2lc and 2010 Encode a Polyketide Synthase Cluster That Activates the Mammalian Aryl Hydrocarbon Receptor. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	12
58	Accelerated wound healing in mice by on-site production and delivery of CXCL12 by transformed lactic acid bacteria. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1895-1900	11.5	56
57	Lactobacillus reuteri strains protect epithelial barrier integrity of IPEC-J2 monolayers from the detrimental effect of enterotoxigenic Escherichia coli. *Physiological Reports*, **2018**, 6, e13514	2.6	23
56	Identification of probiotic effector molecules: present state and future perspectives. *Current Opinion in Biotechnology*, **2018**, 49, 217-223	11.4	132
55	Effect of Lactobacillus reuteri on Cell Viability and PGE Production in Human Gingival Fibroblasts. *Probiotics and Antimicrobial Proteins*, **2017**, 9, 278-283	5.5	10
54	Resetting microbiota by Lactobacillus reuteri inhibits T reg deficiency-induced autoimmunity via adenosine A2A receptors. *Journal of Experimental Medicine*, **2017**, 214, 107-123	16.6	85

53	Evaluation of growth, metabolism and production of potentially bioactive components during fermentation of barley with Lactobacillus reuteri. *Food Microbiology*, **2016**, 57, 159-71	6	23
52	In Vivo and In Vitro Detection of Luminescent and Fluorescent Lactobacillus reuteri and Application of Red Fluorescent mCherry for Assessing Plasmid Persistence. *PLoS ONE*, **2016**, 11, e0151969	3.7	29
51	Staphylococcus aureus-derived factors induce IL-10, IFN-and IL-17A-expressing FOXP3+CD161+ T-helper cells in a partly monocyte-dependent manner. *Scientific Reports*, **2016**, 6, 22083	4.9	16
50	Lactobacilli Reduce Helicobacter pylori Attachment to Host Gastric Epithelial Cells by Inhibiting Adhesion Gene Expression. *Infection and Immunity*, **2016**, 84, 1526-1535	3.7	39
49	Effects of Lactobacillus johnsonii and Lactobacillus reuteri on gut barrier function and heat shock proteins in intestinal porcine epithelial cells. *Physiological Reports*, **2015**, 3, e12355	2.6	57
48	The pan-genome of Lactobacillus reuteri strains originating from the pig gastrointestinal tract. *BMC Genomics*, **2015**, 16, 1023	4.5	28
47	Proposal of Thorsellia kenyensis sp. nov. and Thorsellia kandunguensis sp. nov., isolated from larvae of Anopheles arabiensis, as members of the family Thorselliaceae fam. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 444-451	2.2	6
46	Structural and molecular insights into novel surface-exposed mucus adhesins from Lactobacillus reuteri human strains. *Molecular Microbiology*, **2014**, 92, 543-56	4.1	24
45	Quantitative evaluation of synbiotic strategies to improve persistence and metabolic activity of Lactobacillus reuteri DSM 17938 in the human gastrointestinal tract. *Journal of Functional Foods*, **2014**, 10, 85-94	5.1	23
44	Role of Lactobacillus reuteri cell and mucus-binding protein A (CmbA) in adhesion to intestinal epithelial cells and mucus in vitro. *Microbiology (United Kingdom)*, **2014**, 160, 671-681	2.9	60
43	Draft Genome Sequence of a Novel Lactobacillus salivarius Strain Isolated from Piglet. *Genome Announcements*, **2014**, 2,		3
42	Lactobacilli regulate Staphylococcus aureus 161:2-induced pro-inflammatory T-cell responses in vitro. *PLoS ONE*, **2013**, 8, e77893	3.7	10
41	454 pyrosequencing analysis on faecal samples from a randomized DBPC trial of colicky infants treated with Lactobacillus reuteri DSM 17938. *PLoS ONE*, **2013**, 8, e56710	3.7	71
40	Glycerol supplementation enhances L. reuteriTs protective effect against S. Typhimurium colonization in a 3-D model of colonic epithelium. *PLoS ONE*, **2012**, 7, e37116	3.7	35
39	Early-life gut bacteria associate with IL-4-, IL-10- and IFN-production at two years of age. *PLoS ONE*, **2012**, 7, e49315	3.7	32
38	Exploring metabolic pathway reconstruction and genome-wide expression profiling in Lactobacillus reuteri to define functional probiotic features. *PLoS ONE*, **2011**, 6, e18783	3.7	120
37	Host-microbial symbiosis in the vertebrate gastrointestinal tract and the Lactobacillus reuteri paradigm. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108 Suppl 1, 4645-52	11.5	199
36	Tepidanaerobacter acetatoxydans sp. nov., an anaerobic, syntrophic acetate-oxidizing bacterium isolated from two ammonium-enriched mesophilic methanogenic processes. *Systematic and Applied Microbiology*, **2011**, 34, 260-6	4.2	125

35	Lactobacilli reduce cell cytotoxicity caused by Streptococcus pyogenes by producing lactic acid that degrades the toxic component lipoteichoic acid. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 1622-8	5.9	17
34	Influence of Lactobacillus reuteri on the colonic microbiota in health and Dextran Sulphate Sodium (DSS)-induced colitis. *FASEB Journal*, **2011**, 25, 1120.5	0.9	
33	Syntrophaceticus schinkii gen. nov., sp. nov., an anaerobic, syntrophic acetate-oxidizing bacterium isolated from a mesophilic anaerobic filter. *FEMS Microbiology Letters*, **2010**, 309, 100-4	2.9	150
32	Diversification of the gut symbiont Lactobacillus reuteri as a result of host-driven evolution. *ISME Journal*, **2010**, 4, 377-87	11.9	187
31	Strain-specific diversity of mucus-binding proteins in the adhesion and aggregation properties of Lactobacillus reuteri. *Microbiology (United Kingdom)*, **2010**, 156, 3368-3378	2.9	128
30	Lactobacillus reuteri DSM 17938 in infantile colic: a randomized, double-blind, placebo-controlled trial. *Pediatrics*, **2010**, 126, e526-33	7.4	227
29	Transferability of a tetracycline resistance gene from probiotic Lactobacillus reuteri to bacteria in the gastrointestinal tract of humans. *Antonie Van Leeuwenhoek*, **2010**, 97, 189-200	2.1	51
28	Gastroprotective and blood pressure lowering effects of dietary nitrate are abolished by an antiseptic mouthwash. *Free Radical Biology and Medicine*, **2009**, 46, 1068-75	7.8	175
27	Multifunctional implant coatings providing possibilities for fast antibiotics loading with subsequent slow release. *Journal of Materials Science: Materials in Medicine*, **2009**, 20, 1859-67	4.5	75
26	A highly virulent pathogen, Aeromonas hydrophila, from the freshwater crayfish Pacifastacus leniusculus. *Journal of Invertebrate Pathology*, **2009**, 101, 56-66	2.6	76
25	Global transcriptional response of Lactobacillus reuteri to the sourdough environment. *Systematic and Applied Microbiology*, **2008**, 31, 323-38	4.2	36
24	Removal of antibiotic resistance gene-carrying plasmids from Lactobacillus reuteri ATCC 55730 and characterization of the resulting daughter strain, L. reuteri DSM 17938. *Applied and Environmental Microbiology*, **2008**, 74, 6032-40	4.8	174
23	Genomic and genetic characterization of the bile stress response of probiotic Lactobacillus reuteri ATCC 55730. *Applied and Environmental Microbiology*, **2008**, 74, 1812-9	4.8	104
22	Phosphoketolase pathway dominates in Lactobacillus reuteri ATCC 55730 containing dual pathways for glycolysis. *Journal of Bacteriology*, **2008**, 190, 206-12	3.5	66
21	Lactobacillus equigenerosi sp. nov., a coccoid species isolated from faeces of thoroughbred racehorses. *International Journal of Systematic and Evolutionary Microbiology*, **2008**, 58, 914-8	2.2	21
20	Adherence of clinically isolated lactobacilli to human cervical cells in competition with Neisseria gonorrhoeae. *Microbes and Infection*, **2008**, 10, 1325-34	9.3	31
19	The early response to acid shock in Lactobacillus reuteri involves the ClpL chaperone and a putative cell wall-altering esterase. *Applied and Environmental Microbiology*, **2007**, 73, 3924-35	4.8	100
18	Antibiotic susceptibility profiles of Lactobacillus reuteri and Lactobacillus fermentum. *Journal of Food Protection*, **2007**, 70, 412-8	2.5	40

17	Environmental influences on exopolysaccharide formation in Lactobacillus reuteri ATCC 55730. *International Journal of Food Microbiology*, **2007**, 116, 159-67	5.8	40
16	Effects of inoculum size and incubation time on broth microdilution susceptibility testing of lactic acid bacteria. *Antimicrobial Agents and Chemotherapy*, **2007**, 51, 394-6	5.9	30
15	Molecular fingerprinting of the fecal microbiota of children raised according to different lifestyles. *Applied and Environmental Microbiology*, **2007**, 73, 2284-9	4.8	102
14	Lactobacillus gastricus sp. nov., Lactobacillus antri sp. nov., Lactobacillus kalixensis sp. nov. and Lactobacillus ultunensis sp. nov., isolated from human stomach mucosa. *International Journal of Systematic and Evolutionary Microbiology*, **2005**, 55, 77-82	2.2	68
13	The cell surface of Lactobacillus reuteri ATCC 55730 highlighted by identification of 126 extracellular proteins from the genome sequence. *FEMS Microbiology Letters*, **2005**, 253, 75-82	2.9	46
12	Inducible gene expression in Lactobacillus reuteri LTH5531 during type II sourdough fermentation. *Applied and Environmental Microbiology*, **2005**, 71, 5873-8	4.8	21
11	Lactobacillus saerimneri sp. nov., isolated from pig faeces. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 1365-1368	2.2	10
10	Identification of bacteria and yeasts from in vitro and surface-sterilized field samples of Ensete ventricosum by rDNA analysis. *Biotechnology Letters*, **2004**, 26, 1867-72	3	6
9	Microbiological characterization of wet wheat distillersTgrain, with focus on isolation of lactobacilli with potential as probiotics. *Applied and Environmental Microbiology*, **2004**, 70, 1522-7	4.8	72
8	Phage display reveals 52 novel extracellular and transmembrane proteins from Lactobacillus reuteri DSM 20016(T). *Microbiology (United Kingdom)*, **2003**, 149, 3493-3505	2.9	18
7	Broad and complex antifungal activity among environmental isolates of lactic acid bacteria. *FEMS Microbiology Letters*, **2003**, 219, 129-35	2.9	303
6	A high-molecular-mass cell-surface protein from Lactobacillus reuteri 1063 adheres to mucus components. *Microbiology (United Kingdom)*, **2002**, 148, 433-442	2.9	281
5	Health effects of probiotics and prebiotics A literature review on human studies. *N□ingsforskning: Referattidskrift I N□ingsforskningsfr□or*, **2001**, 45, 58-75		23
4	Addition of mucin to the growth medium triggers mucus-binding activity in different strains of Lactobacillus reuteri in vitro. *FEMS Microbiology Letters*, **2001**, 204, 19-22	2.9	67
3	Autoaggregation of Lactobacillus reuteri is mediated by a putative DEAD-box helicase. *Molecular Microbiology*, **1999**, 32, 427-36	4.1	44
2	A collagen binding protein from Lactobacillus reuteri is part of an ABC transporter system?. *FEMS Microbiology Letters*, **1996**, 144, 33-8	2.9	90
1	A collagen binding protein from Lactobacillus reuteri is part of an ABC transporter system?		5