

# Eric Altermann

## List of Publications by Year in descending order

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101  
papers

7,348  
citations

109311

35  
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56717

83  
g-index

104  
all docs

104  
docs citations

104  
times ranked

6636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative genomics of the lactic acid bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15611-15616.	7.1	1,303
2	Complete genome sequence of the probiotic lactic acid bacterium <i>Lactobacillus acidophilus</i> NCFM. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3906-3912.	7.1	565
3	S layer protein A of <i>Lactobacillus acidophilus</i> NCFM regulates immature dendritic cell and T cell functions. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19474-19479.	7.1	515
4	The genome sequence of the probiotic intestinal bacterium <i>Lactobacillus johnsonii</i> NCC 533. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2512-2517.	7.1	476
5	Functional Analysis of Putative Adhesion Factors in <i>Lactobacillus acidophilus</i> NCFM. Applied and Environmental Microbiology, 2005, 71, 8344-8351.	3.1	350
6	PathwayVoyager: pathway mapping using the Kyoto Encyclopedia of Genes and Genomes (KEGG) database. BMC Genomics, 2005, 6, 60.	2.8	286
7	The Genome Sequence of the Rumen Methanogen <i>Methanobrevibacter ruminantium</i> Reveals New Possibilities for Controlling Ruminant Methane Emissions. PLoS ONE, 2010, 5, e8926.	2.5	256
8	Functional and comparative genomic analyses of an operon involved in fructooligosaccharide utilization by <i>Lactobacillus acidophilus</i> . Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8957-8962.	7.1	245
9	The Role of Cell Surface Architecture of Lactobacilli in Host-Microbe Interactions in the Gastrointestinal Tract. Mediators of Inflammation, 2013, 2013, 1-16.	3.0	199
10	Genomic features of lactic acid bacteria effecting bioprocessing and health. FEMS Microbiology Reviews, 2005, 29, 393-409.	8.6	176
11	Discovering lactic acid bacteria by genomics. Antonie Van Leeuwenhoek, 2002, 82, 29-58.	1.7	164
12	Isolation and characterization of a <i>Lactobacillus plantarum</i> bacteriophage, $\phi$ JL-1, from a cucumber fermentation. International Journal of Food Microbiology, 2003, 84, 225-235.	4.7	160
13	Analysis of the Genome Sequence of <i>Lactobacillus gasserii</i> ATCC 33323 Reveals the Molecular Basis of an Autochthonous Intestinal Organism. Applied and Environmental Microbiology, 2008, 74, 4610-4625.	3.1	152
14	Identification and Inactivation of Genetic Loci Involved with <i>Lactobacillus acidophilus</i> Acid Tolerance. Applied and Environmental Microbiology, 2004, 70, 5315-5322.	3.1	144
15	Strategies to reduce methane emissions from farmed ruminants grazing on pasture. Veterinary Journal, 2011, 188, 11-17.	1.7	130
16	Specialized adaptation of a lactic acid bacterium to the milk environment: the comparative genomics of <i>Streptococcus thermophilus</i> LMD-9. Microbial Cell Factories, 2011, 10, S22.	4.0	124
17	Microarray Analysis of a Two-Component Regulatory System Involved in Acid Resistance and Proteolytic Activity in <i>Lactobacillus acidophilus</i> . Applied and Environmental Microbiology, 2005, 71, 5794-5804.	3.1	120
18	The Glycobiome of the Rumen Bacterium <i>Butyrivibrio proteoclasticus</i> B316T Highlights Adaptation to a Polysaccharide-Rich Environment. PLoS ONE, 2010, 5, e11942.	2.5	102

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19	Genomic features of lactic acid bacteria effecting bioprocessing and health. FEMS Microbiology Reviews, 2005, 29, 393-409.	8.6	101
20	Genome sequencing of rumen bacteria and archaea and its application to methane mitigation strategies. Animal, 2013, 7, 235-243.	3.3	92
21	Comparative Genomics and Transcriptional Analysis of Prophages Identified in the Genomes of Lactobacillus gasseri, Lactobacillus salivarius, and Lactobacillus casei. Applied and Environmental Microbiology, 2006, 72, 3130-3146.	3.1	75
22	Discovering lactic acid bacteria by genomics. , 2002, 82, 29-58.		74
23	Genetic Markers Unique to Listeria monocytogenes Serotype 4b Differentiate Epidemic Clone II (Hot) Tj ETQq1 1 0.784314 rgBT /Ove 2383-2390.	3.1	72
24	GAMOLA: A New Local Solution for Sequence Annotation and Analyzing Draft and Finished Prokaryotic Genomes. OMICS A Journal of Integrative Biology, 2003, 7, 161-169.	2.0	68
25	Functional Genomics of Probiotic Lactobacilli. Journal of Clinical Gastroenterology, 2008, 42, S160-S162.	2.2	67
26	Comparative Genomics of Rumen <i>Butyrivibrio</i> spp. Uncovers a Continuum of Polysaccharide-Degrading Capabilities. Applied and Environmental Microbiology, 2019, 86, .	3.1	65
27	Identification and phenotypic characterization of the cell-division protein CdpA. Gene, 2004, 342, 189-197.	2.2	59
28	A comparison of analog and Next-Generation transcriptomic tools for mammalian studies. Briefings in Functional Genomics, 2011, 10, 135-150.	2.7	59
29	Epidemic Clone I-Specific Genetic Markers in Strains of Listeria monocytogenes Serotype 4b from Foods. Applied and Environmental Microbiology, 2004, 70, 4158-4164.	3.1	56
30	Primary structure and features of the genome of the Lactobacillus gasseri temperate bacteriophage Îtadh. Gene, 1999, 236, 333-346.	2.2	49
31	The Complete Genome Sequence of Methanobrevibacter sp. AbM4. Standards in Genomic Sciences, 2013, 8, 215-227.	1.5	42
32	The complete genome sequence of the rumen methanogen Methanosarcina barkeri CM1. Standards in Genomic Sciences, 2015, 10, 57.	1.5	42
33	Sequence Analysis of <i>Leuconostoc mesenteroides</i> Bacteriophage Î  1-A4 Isolated from an Industrial Vegetable Fermentation. Applied and Environmental Microbiology, 2010, 76, 1955-1966.	3.1	41
34	The complete genome sequence of the methanogenic archaeon ISO4-H5 provides insights into the methylotrophic lifestyle of a ruminal representative of the Methanomassiliicoccales. Standards in Genomic Sciences, 2016, 11, 59.	1.5	41
35	Evaluation of Lactococcus lactis Isolates from Nondairy Sources with Potential Dairy Applications Reveals Extensive Phenotype-Genotype Disparity and Implications for a Revised Species. Applied and Environmental Microbiology, 2015, 81, 3961-3972.	3.1	40
36	Tracing Lifestyle Adaptation in Prokaryotic Genomes. Frontiers in Microbiology, 2012, 3, 48.	3.5	39

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37	Exploring rumen methanogen genomes to identify targets for methane mitigation strategies. <i>Animal Feed Science and Technology</i> , 2011, 166-167, 65-75.	2.2	36
38	Interaction between the genomes of <i>Lactococcus lactis</i> and phages of the P335 species. <i>Frontiers in Microbiology</i> , 2013, 4, 257.	3.5	36
39	The complete genome sequence of <i>Eubacterium limosum</i> SA11, a metabolically versatile rumen acetogen. <i>Standards in Genomic Sciences</i> , 2016, 11, 26.	1.5	36
40	Structure of a genome region of the <i>Lactobacillus gasseri</i> temperate phage $\hat{\Gamma}$ adh covering a repressor gene and cognate promoters. <i>Gene</i> , 1998, 210, 61-70.	2.2	31
41	GAMOLA2, a Comprehensive Software Package for the Annotation and Curation of Draft and Complete Microbial Genomes. <i>Frontiers in Microbiology</i> , 2017, 8, 346.	3.5	31
42	Novel plasmid conferring kanamycin and tetracycline resistance in the turkey-derived <i>Campylobacter jejuni</i> strain 11601MD. <i>Plasmid</i> , 2016, 86, 32-37.	1.4	30
43	Influence of the Dairy Environment on Gene Expression and Substrate Utilization in Lactic Acid Bacteria1, . <i>Journal of Nutrition</i> , 2007, 137, 748S-750S.	2.9	29
44	The complete genome sequence of the rumen bacterium <i>Butyrivibrio hungatei</i> MB2003. <i>Standards in Genomic Sciences</i> , 2017, 12, 72.	1.5	29
45	Toward Understanding Phage:Host Interactions in the Rumen; Complete Genome Sequences of Lytic Phages Infecting Rumen Bacteria. <i>Frontiers in Microbiology</i> , 2017, 8, 2340.	3.5	28
46	The complete genome sequence of the rumen methanogen <i>Methanobacterium formicicum</i> BRM9. <i>Standards in Genomic Sciences</i> , 2014, 9, 15.	1.5	27
47	Synthesis and Automated Detection of Fluorescently Labeled Primer Extension Products. <i>BioTechniques</i> , 1999, 26, 96-101.	1.8	25
48	Comparative genomics of <i>Clostridium</i> species associated with vacuum-packed meat spoilage. <i>Food Microbiology</i> , 2021, 95, 103687.	4.2	25
49	Sequence analysis of the <i>Lactobacillus plantarum</i> bacteriophage $\hat{\Gamma}$ JL-1. <i>Gene</i> , 2005, 348, 45-54.	2.2	24
50	Chromosomal <i>tet</i> (O)-Harboring Regions in <i>Campylobacter coli</i> Isolates from Turkeys and Swine. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8488-8491.	3.1	23
51	Inhibition of Rumen Methanogens by a Novel Archaeal Lytic Enzyme Displayed on Tailored Bionanoparticles. <i>Frontiers in Microbiology</i> , 2018, 9, 2378.	3.5	22
52	Complete Genome Sequences of Three Novel <i>Pseudomonas fluorescens</i> SBW25 Bacteriophages, Noxifer, Phabio, and Skulduggery. <i>Genome Announcements</i> , 2017, 5, .	0.8	21
53	Genomic analysis of three <i>Bifidobacterium</i> species isolated from the calf gastrointestinal tract. <i>Scientific Reports</i> , 2016, 6, 30768.	3.3	20
54	Sequence analysis of plasmid pIR52-1 from <i>Lactobacillus helveticus</i> R0052 and investigation of its origin of replication. <i>Plasmid</i> , 2010, 63, 108-117.	1.4	17

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55	The Draft Genome Sequence of the <i>Yersinia entomophaga</i> Entomopathogenic Type Strain MH96T. <i>Toxins</i> , 2016, 8, 143.	3.4	17
56	The complete genome sequence of the rumen methanogen <i>Methanobrevibacter millerae</i> SM9. <i>Standards in Genomic Sciences</i> , 2016, 11, 49.	1.5	15
57	The Effects of Unfermented and Fermented Cow and Sheep Milk on the Gut Microbiota. <i>Frontiers in Microbiology</i> , 2019, 10, 458.	3.5	15
58	Phylogenetic Evidence for Lateral Gene Transfer in the Intestine of Marine Iguanas. <i>PLoS ONE</i> , 2010, 5, e10785.	2.5	15
59	Metasecretome-selective phage display approach for mining the functional potential of a rumen microbial community. <i>BMC Genomics</i> , 2014, 15, 356.	2.8	13
60	Draft Genome Sequence of <i>Clostridium estertheticum</i> subsp. <i>laramiense</i> DSM 14864 <sup>T</sup> , Isolated from Spoiled Uncooked Beef. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	13
61	Live <i>Faecalibacterium prausnitzii</i> induces greater TLR2 and TLR2/6 activation than the dead bacterium in an apical anaerobic co-culture system. <i>Cellular Microbiology</i> , 2018, 20, e12805.	2.1	12
62	Examination of hydrogen cross-feeders using a colonic microbiota model. <i>BMC Bioinformatics</i> , 2021, 22, 3.	2.6	12
63	Draft Genome Sequence of the Rumen Methanogen <i>Methanobrevibacter olleyae</i> YLM1. <i>Genome Announcements</i> , 2016, 4, .	0.8	11
64	Transposition of Tn916 in the four replicons of the <i>Butyrivibrio proteoclasticus</i> B316T genome. <i>FEMS Microbiology Letters</i> , 2011, 316, 144-151.	1.8	10
65	Group-specific comparison of four lactobacilli isolated from human sources using differential blast analysis. <i>Genes and Nutrition</i> , 2011, 6, 319-340.	2.5	10
66	Genetic regulation of antibody responsiveness to immunization in substrains of BALB/c mice. <i>Immunology and Cell Biology</i> , 2019, 97, 39-53.	2.3	10
67	Extensive bacteriocin gene shuffling in the <i>Streptococcus bovis</i> / <i>Streptococcus equinus</i> complex reveals gallocin D with activity against vancomycin resistant enterococci. <i>Scientific Reports</i> , 2020, 10, 13431.	3.3	10
68	Complete Genome Sequence of Methanogenic Archaeon ISO4-G1, a Member of the <i>Methanomassiliicoccales</i> , Isolated from a Sheep Rumen. <i>Genome Announcements</i> , 2016, 4, .	0.8	9
69	Genome Sequences of Potential Probiotic <i>Lactobacillus rhamnosus</i> Isolates from Human Infants. <i>Genome Announcements</i> , 2017, 5, .	0.8	9
70	Draft Genome Sequence of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> HP T, the First Defined-Strain Dairy Starter Culture Bacterium. <i>Genome Announcements</i> , 2014, 2, .	0.8	8
71	Structural characterization of a PCP-R domain from an archaeal nonribosomal peptide synthetase reveals novel interdomain interactions. <i>Journal of Biological Chemistry</i> , 2021, 296, 100432.	3.4	8
72	Whole-Genome Sequences of Agricultural, Host-Associated <i>Campylobacter coli</i> and <i>Campylobacter jejuni</i> Strains. <i>Genome Announcements</i> , 2016, 4, .	0.8	7

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73	Mathematical modelling supports the existence of a threshold hydrogen concentration and media-dependent yields in the growth of a reductive acetogen. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 885-894.	3.4	7
74	The large episomes of <i>Butyrivibrio proteoclasticus</i> B316T have arisen through intragenomic gene shuttling from the chromosome to smaller <i>Butyrivibrio</i> -specific plasmids. <i>Plasmid</i> , 2011, 66, 67-78.	1.4	6
75	PLAN-M; Mycobacteriophage Endolysins Fused to Biodegradable Nanobeads Mitigate Mycobacterial Growth in Liquid and on Surfaces. <i>Frontiers in Microbiology</i> , 2021, 12, 562748.	3.5	6
76	Complete Genome Sequence of <i>Paenibacillus</i> sp. Strain E222, a Bacterial Symbiont of an <i>Epichloa</i> Fungal Endophyte of Ryegrass. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	6
77	Invited commentary: lubricating the rusty wheel, new insights into iron oxidizing bacteria through comparative genomics. <i>Frontiers in Microbiology</i> , 2014, 5, 386.	3.5	5
78	Mapping immunogenic epitopes of an adhesin-like protein from <i>Methanobrevibacter ruminantium</i> M1 and comparison of empirical data with in silico prediction methods. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
79	Transcript map of the temperate <i>Lactobacillus gasseri</i> bacteriophage $\lambda$ -adh. <i>Microbiology (United Kingdom)</i> 157.184314. doi:10.1093/mic/kgab114	1.8	4
80	Draft Genome Sequence of the Pediocin-Encoding Biopreservative and Biocontrol Strain <i>Pediococcus acidilactici</i> D3. <i>Genome Announcements</i> , 2013, 1, .	0.8	4
81	Draft Genome Sequence of <i>Lactobacillus animalis</i> 381-IL-28. <i>Genome Announcements</i> , 2014, 2, .	0.8	4
82	<i>Lactobacillus fermentum</i> AGR1487 cell surface structures and supernatant increase paracellular permeability through different pathways. <i>MicrobiologyOpen</i> , 2015, 4, 541-552.	3.0	4
83	Competition for Hydrogen Prevents Coexistence of Human Gastrointestinal Hydrogenotrophs in Continuous Culture. <i>Frontiers in Microbiology</i> , 2020, 11, 1073.	3.5	4
84	Draft Genome Sequence of a New Zealand Isolate of <i>Mycoplasma ovipneumoniae</i> . <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	4
85	Culture and genome-based analysis of four soil <i>Clostridium</i> isolates reveal their potential for antimicrobial production. <i>BMC Genomics</i> , 2021, 22, 686.	2.8	4
86	Tailored Nanoparticles With the Potential to Reduce Ruminant Methane Emissions. <i>Frontiers in Microbiology</i> , 2022, 13, 816695.	3.5	4
87	Genomic Perspectives on Probiotic Lactic Acid Bacteria. <i>Bioscience and Microflora</i> , 2005, 24, 31-33.	0.5	3
88	Draft Genome Sequence of <i>Clostridium estertheticum</i> -Like Strain FP3, Isolated from Spoiled Uncooked Lamb. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	3
89	Draft Genome Sequence of Psychrotolerant <i>Clostridium</i> sp. Strain M14, Isolated from Spoiled Uncooked Venison. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	3
90	Draft Genome Sequence of <i>Clostridium</i> sp. Strain FP1, with Similarity to <i>Clostridium tagluense</i> , Isolated from Spoiled Lamb. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	3

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91	Inhibition of <i>Listeria monocytogenes</i> by Phage Lytic Enzymes Displayed on Tailored Bionanoparticles. <i>Foods</i> , 2022, 11, 854.	4.3	3
92	Draft Genome Sequences of Two Historical <i>Listeria monocytogenes</i> Strains from Human Listeriosis Cases in 1933. <i>Genome Announcements</i> , 2016, 4, .	0.8	2
93	Genome Sequences of <i>Listeria monocytogenes</i> Strains with Resistance to Arsenic. <i>Genome Announcements</i> , 2017, 5, .	0.8	2
94	Complete Genome Sequence of <i>Lactobacillus fermentum</i> Strain AGR1485, a Human Oral Isolate. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	2
95	Extracellular Polysaccharide Extraction from <i>Streptococcus thermophilus</i> in Fermented Milk. <i>Microbiology Spectrum</i> , 2022, 10, e0228021.	3.0	2
96	Complete Annotated Genome Sequence of <i>Limosilactobacillus fermentum</i> AGR1487. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	1
97	Draft Genome Sequence of <i>Clostridium bowmanii</i> DSM 14206 T , Isolated from an Antarctic Microbial Mat. <i>Microbiology Resource Announcements</i> , 2022, , e0103521.	0.6	1
98	A Return to Microbial Genomes in the Metagenome Age. <i>Journal of Microbial &amp; Biochemical Technology</i> , 2012, 04, .	0.2	0
99	Identification of a <i>Campylobacter coli</i> methyltransferase targeting adenines at GATC sites. <i>FEMS Microbiology Letters</i> , 2017, 364, fnw268.	1.8	0
100	NexGen Sequencing Data: Bioinformatic Tools for Visualization and Analysis. , 2021, , 47-90.		0
101	OBSOLETE: NexGen Sequencing Data: Bioinformatic Tools for Visualization and Analysis. , 2020, , .		0