

# Jan Martinussen

## List of Publications by Year in descending order

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39  
papers

1,565  
citations

304743

22  
h-index

315739

38  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1533  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleotide metabolism and its control in lactic acid bacteria. FEMS Microbiology Reviews, 2005, 29, 555-590.	8.6	240
2	Nucleotide metabolism and its control in lactic acid bacteria. FEMS Microbiology Reviews, 2005, 29, 555-590.	8.6	140
3	Phosphoribosyl Diphosphate (PRPP): Biosynthesis, Enzymology, Utilization, and Metabolic Significance. Microbiology and Molecular Biology Reviews, 2017, 81, .	6.6	131
4	Plasmid pCS1966, a New Selection/Counterselection Tool for Lactic Acid Bacterium Strain Construction Based on the <i>oroP</i> Gene, Encoding an Orotate Transporter from <i>Lactococcus lactis</i> . Applied and Environmental Microbiology, 2008, 74, 4772-4775.	3.1	84
5	Bistability in a Metabolic Network Underpins the De Novo Evolution of Colony Switching in <i>Pseudomonas fluorescens</i> . PLoS Biology, 2015, 13, e1002109.	5.6	78
6	The Pyrimidine Operon <i>pyrRPB-carA</i> from <i>Lactococcus lactis</i> . Journal of Bacteriology, 2001, 183, 2785-2794.	2.2	70
7	A Transcriptional Activator, Homologous to the <i>Bacillus subtilis</i> PurR Repressor, Is Required for Expression of Purine Biosynthetic Genes in <i>Lactococcus lactis</i> . Journal of Bacteriology, 1998, 180, 3907-3916.	2.2	58
8	Analysis of the <i>tsx</i> gene, which encodes a nucleoside-specific channel-forming protein (Tsx) in the outer membrane of <i>Escherichia coli</i> . Gene, 1990, 96, 59-65.	2.2	51
9	Growth and production of volatiles by <i>Staphylococcus carnosus</i> in dry sausages: Influence of inoculation level and ripening time. Meat Science, 2004, 67, 447-452.	5.5	48
10	The orotate transporter encoded by <i>oroP</i> from <i>Lactococcus lactis</i> is required for orotate utilization and has utility as a food-grade selectable marker. Microbiology (United Kingdom), 2007, 153, 3645-3659.	1.8	44
11	A simplified method for rapid quantification of intracellular nucleoside triphosphates by one-dimensional thin-layer chromatography. Analytical Biochemistry, 2011, 409, 249-259.	2.4	40
12	The <i>carB</i> Gene Encoding the Large Subunit of Carbamoylphosphate Synthetase from <i>Lactococcus lactis</i> Is Transcribed Monocistronically. Journal of Bacteriology, 1998, 180, 4380-4386.	2.2	40
13	Transcriptome Analysis of the <i>Lactococcus lactis</i> ArgR and AhrC Regulons. Applied and Environmental Microbiology, 2008, 74, 4768-4771.	3.1	37
14	Two Nucleoside Uptake Systems in <i>Lactococcus lactis</i> : Competition between Purine Nucleosides and Cytidine Allows for Modulation of Intracellular Nucleotide Pools. Journal of Bacteriology, 2003, 185, 1503-1508.	2.2	36
15	Cloning and Verification of the <i>Lactococcus lactis</i> <i>pyrG</i> Gene and Characterization of the Gene Product, CTP Synthase. Journal of Biological Chemistry, 2001, 276, 38002-38009.	3.4	35
16	A fermented meat model system for studies of microbial aroma formation. Meat Science, 2004, 66, 211-218.	5.5	35
17	Powerful methods to establish chromosomal markers in <i>Lactococcus lactis</i> : an analysis of pyrimidine salvage pathway mutants obtained by positive selections. Microbiology (United Kingdom), 1995, 141, 1883-1890.	1.8	34
18	Two nucleoside transporters in <i>Lactococcus lactis</i> with different substrate specificities. Microbiology (United Kingdom), 2010, 156, 3148-3157.	1.8	31

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19	Multi-stress resistance in <i>Lactococcus lactis</i> is actually escape from purine-induced stress sensitivity. <i>Microbiology (United Kingdom)</i> , 2014, 160, 2551-2559.	1.8	27
20	Expression of the <i>pyrG</i> gene determines the pool sizes of CTP and dCTP in <i>Lactococcus lactis</i> . <i>FEBS Journal</i> , 2004, 271, 2438-2445.	0.2	25
21	The pH-unrelated influence of salt, temperature and manganese on aroma formation by <i>Staphylococcus xylosus</i> and <i>Staphylococcus carnosus</i> in a fermented meat model system. <i>International Journal of Food Microbiology</i> , 2004, 97, 31-42.	4.7	25
22	The PurR regulon in <i>Lactococcus lactis</i> – transcriptional regulation of the purine nucleotide metabolism and translational machinery. <i>Microbiology (United Kingdom)</i> , 2012, 158, 2026-2038.	1.8	24
23	Dispersive solid phase extraction combined with ion-pair ultra high-performance liquid chromatography tandem mass spectrometry for quantification of nucleotides in <i>Lactococcus lactis</i> . <i>Analytical Biochemistry</i> , 2013, 440, 166-177.	2.4	23
24	Addition of L-ketoglutarate enhances formation of volatiles by <i>Staphylococcus carnosus</i> during sausage fermentation. <i>Meat Science</i> , 2004, 67, 711-719.	5.5	21
25	Repression of the <i>pyr</i> Operon in <i>Lactobacillus plantarum</i> Prevents Its Ability To Grow at Low Carbon Dioxide Levels. <i>Journal of Bacteriology</i> , 2005, 187, 2093-2104.	2.2	21
26	Lid L11 of the glutamine amidotransferase domain of CTP synthase mediates allosteric GTP activation of glutaminase activity. <i>FEBS Journal</i> , 2005, 272, 856-864.	4.7	20
27	Engineering strategies aimed at control of acidification rate of lactic acid bacteria. <i>Current Opinion in Biotechnology</i> , 2013, 24, 124-129.	6.6	20
28	Interplay Between Capsule Expression and Uracil Metabolism in <i>Streptococcus pneumoniae</i> D39. <i>Frontiers in Microbiology</i> , 2018, 9, 321.	3.5	20
29	Repetitive, Marker-Free, Site-Specific Integration as a Novel Tool for Multiple Chromosomal Integration of DNA. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3563-3569.	3.1	19
30	CTP Limitation Increases Expression of CTP Synthase in <i>Lactococcus lactis</i> . <i>Journal of Bacteriology</i> , 2003, 185, 6562-6574.	2.2	16
31	Uracil Salvage Pathway in <i>Lactobacillus plantarum</i> : Transcription and Genetic Studies. <i>Journal of Bacteriology</i> , 2006, 188, 4777-4786.	2.2	16
32	The <i>pyrH</i> gene of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> encoding UMP kinase is transcribed as part of an operon including the <i>frt1</i> gene encoding ribosomal recycling factor 1. <i>Gene</i> , 2000, 241, 157-166.	2.2	15
33	Expression of the <i>pyr</i> Operon of <i>Lactobacillus plantarum</i> Is Regulated by Inorganic Carbon Availability through a Second Regulator, <i>PyrR<sub>2</sub></i> , Homologous to the Pyrimidine-Dependent Regulator <i>PyrR<sub>1</sub></i> . <i>Journal of Bacteriology</i> , 2006, 188, 8607-8616.	2.2	15
34	Metabolic characterization and transformation of the non-dairy <i>Lactococcus lactis</i> strain KF147, for production of ethanol from xylose. <i>Biotechnology Journal</i> , 2017, 12, 1700171.	3.5	10
35	Towards in vivo regulon kinetics: PurR activation by 5-phosphoribosyl-L-1-pyrophosphate during purine depletion in <i>Lactococcus lactis</i> . <i>Microbiology (United Kingdom)</i> , 2014, 160, 1321-1331.	1.8	9
36	<i>Bacillus halodurans</i> Strain C125 Encodes and Synthesizes Enzymes from Both Known Pathways To Form dUMP Directly from Cytosine Deoxyribonucleotides. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3395-3404.	3.1	4

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37	Ribosomal dimerization factor YfiA is the major protein synthesized after abrupt glucose depletion in <i>Lactococcus lactis</i> . <i>Microbiology (United Kingdom)</i> , 2016, 162, 1829-1839.	1.8	2
38	Strains of <i>Lactococcus lactis</i> with a partial pyrimidine requirement show sensitivity toward aspartic acid. <i>Dairy Science and Technology</i> , 2009, 89, 125-137.	2.2	1
39	Complete Genome Sequence of <i>Lactococcus lactis</i> AH1, Isolated from Viili, a Finnish Dairy Product. <i>Microbiology Resource Announcements</i> , 0, , .	0.6	0