Jan Martinussen

List of Publications by Year
in descending order

39	1,565	304743	315739
papers	citations	22 h-index	38 g-index

39	39	39	1533
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interplay Between Capsule Expression and Uracil Metabolism in Streptococcus pneumoniae D39. Frontiers in Microbiology, 2018, 9, 321.	3.5	20
2	Metabolic characterization and transformation of the nonâ€dairy Lactococcus lactis strain KF147, for production of ethanol from xylose. Biotechnology Journal, 2017, 12, 1700171.	3.5	10
3	Phosphoribosyl Diphosphate (PRPP): Biosynthesis, Enzymology, Utilization, and Metabolic Significance. Microbiology and Molecular Biology Reviews, 2017, 81, .	6.6	131
4	Ribosomal dimerization factor YfiA is the major protein synthesized after abrupt glucose depletion in Lactococcus lactis. Microbiology (United Kingdom), 2016, 162, 1829-1839.	1.8	2
5	Bistability in a Metabolic Network Underpins the De Novo Evolution of Colony Switching in Pseudomonas fluorescens. PLoS Biology, 2015, 13, e1002109.	5.6	78
6	Bacillus halodurans Strain C125 Encodes and Synthesizes Enzymes from Both Known Pathways To Form dUMP Directly from Cytosine Deoxyribonucleotides. Applied and Environmental Microbiology, 2015, 81, 3395-3404.	3.1	4
7	Multi-stress resistance in Lactococcus lactis is actually escape from purine-induced stress sensitivity. Microbiology (United Kingdom), 2014, 160, 2551-2559.	1.8	27
8	Towards in vivo regulon kinetics: PurR activation by 5-phosphoribosyl-Î±-1-pyrophosphate during purine depletion in Lactococcus lactis. Microbiology (United Kingdom), 2014, 160, 1321-1331.	1.8	9
9	Dispersive solid phase extraction combined with ion-pair ultra high-performance liquid chromatography tandem mass spectrometry for quantification of nucleotides in Lactococcus lactis. Analytical Biochemistry, 2013, 440, 166-177.	2.4	23
10	Repetitive, Marker-Free, Site-Specific Integration as a Novel Tool for Multiple Chromosomal Integration of DNA. Applied and Environmental Microbiology, 2013, 79, 3563-3569.	3.1	19
11	Engineering strategies aimed at control of acidification rate of lactic acid bacteria. Current Opinion in Biotechnology, 2013, 24, 124-129.	6.6	20
12	The PurR regulon in Lactococcus lactis â€“ transcriptional regulation of the purine nucleotide metabolism and translational machinery. Microbiology (United Kingdom), 2012, 158, 2026-2038.	1.8	24
13	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
14	Two nucleoside transporters in Lactococcus lactis with different substrate specificities. Microbiology (United Kingdom), 2010, 156, 3148-3157.	1.8	31
15	Strains ofLactococcus lactiswith a partial pyrimidine requirement show sensitivity toward aspartic acid. Dairy Science and Technology, 2009, 89, 125-137.	2.2	1
16	Transcriptome Analysis of the Lactococcus lactis ArgR and AhrC Regulons. Applied and Environmental Microbiology, 2008, 74, 4768-4771.	3.1	37
17	Plasmid pCS1966, a New Selection/Counterselection Tool for Lactic Acid Bacterium Strain Construction Based on the oroP Gene, Encoding an Orotate Transporter from Lactococcus lactis. Applied and Environmental Microbiology, 2008, 74, 4772-4775.	3.1	84
18	The orotate transporter encoded by oroP from Lactococcus lactis is required for orotate utilization and has utility as a food-grade selectable marker. Microbiology (United Kingdom), 2007, 153, 3645-3659.	1.8	44

#	Article	IF	Citations
19	Expression of the pyr Operon of Lactobacillus plantarum Is Regulated by Inorganic Carbon Availability through a Second Regulator, PyrR ₂ , Homologous to the Pyrimidine-Dependent Regulator PyrR ₁. Journal of Bacteriology, 2006, 188, 8607-8616.	2.2	15
20	Uracil Salvage Pathway in Lactobacillus plantarum : Transcription and Genetic Studies. Journal of Bacteriology, 2006, 188, 4777-4786.	2.2	16
21	Nucleotide metabolism and its control in lactic acid bacteria. FEMS Microbiology Reviews, 2005, 29, 555-590.	8.6	240
22	Repression of the pyr Operon in Lactobacillus plantarum Prevents Its Ability To Grow at Low Carbon Dioxide Levels. Journal of Bacteriology, 2005, 187, 2093-2104.	2.2	21
23	Lid L11 of the glutamine amidotransferase domain of CTP synthase mediates allosteric GTP activation of glutaminase activity. FEBS Journal, 2005, 272, 856-864.	4.7	20
24	Nucleotide metabolism and its control in lactic acid bacteria. FEMS Microbiology Reviews, 2005, 29, 555-590.	8.6	140
25	Expression of the pyrG gene determines the pool sizes of CTP and dCTP in Lactococcus lactis. FEBS Journal, 2004, 271, 2438-2445.	0.2	25
26	The pH-unrelated influence of salt, temperature and manganese on aroma formation by Staphylococcus xylosus and Staphylococcus carnosus in a fermented meat model system. International Journal of Food Microbiology, 2004, 97, 31-42.	4.7	25
27	Growth and production of volatiles by Staphylococcus carnosus in dry sausages: Influence of inoculation level and ripening time. Meat Science, 2004, 67, 447-452.	5.5	48
28	Addition of Î±-ketoglutarate enhances formation of volatiles by Staphylococcus carnosus during sausage fermentation. Meat Science, 2004, 67, 711-719.	5.5	21
29	A fermented meat model system for studies of microbial aroma formation. Meat Science, 2004, 66, 211-218.	5.5	35
30	CTP Limitation Increases Expression of CTP Synthase in Lactococcus lactis. Journal of Bacteriology, 2003, 185, 6562-6574.	2.2	16
31	Two Nucleoside Uptake Systems in Lactococcus lactis : Competition between Purine Nucleosides and Cytidine Allows for Modulation of Intracellular Nucleotide Pools. Journal of Bacteriology, 2003, 185, 1503-1508.	2.2	36
32	Cloning and Verification of the Lactococcus lactis pyrG Gene and Characterization of the Gene Product, CTP Synthase. Journal of Biological Chemistry, 2001, 276, 38002-38009.	3.4	35
33	The Pyrimidine Operon pyrRPB-carA from Lactococcus lactis. Journal of Bacteriology, 2001, 183, 2785-2794.	2.2	70
34	The pyrH gene of Lactococcus lactis subsp. cremoris encoding UMP kinase is transcribed as part of an operon including the frr1 gene encoding ribosomal recycling factor 1. Gene, 2000, 241, 157-166.	2.2	15
35	A Transcriptional Activator, Homologous to the Bacillus subtilis PurR Repressor, Is Required for Expression of Purine Biosynthetic Genes in Lactococcus lactis. Journal of Bacteriology, 1998, 180, 3907-3916.	2.2	58
36	The carB Gene Encoding the Large Subunit of Carbamoylphosphate Synthetase from Lactococcus lactis Is Transcribed Monocistronically. Journal of Bacteriology, 1998, 180, 4380-4386.	2.2	40

#	Article	IF	Citations
37	Powerful methods to establish chromosomal markers in Lactococcus lactis: an analysis of pyrimidine salvage pathway mutants obtained by positive selections. Microbiology (United Kingdom), 1995, 141, 1883-1890.	1.8	34
38	Analysis of the tsx gene, which encodes a nucleoside-specific channel-forming protein (Tsx) in the outer membrane of Escherichia coli. Gene, 1990, 96, 59-65.	2.2	51
39	Complete Genome Sequence of Lactococcus lactis AH1, Isolated from Viili, a Finnish Dairy Product. Microbiology Resource Announcements, 0, , .	0.6	0