Jan Kok

List of Publications by Year
in descending order

119	8,502	38742 50	48315 88
papers	citations	h-index	g-index

120	120	120	7279
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human milk oligosaccharides and non-digestible carbohydrates reduce pathogen adhesion to intestinal epithelial cells by decoy effects or by attenuating bacterial virulence. Food Research International, 2022, 151, 110867.	6.2	13
2	Riboswitch RS <i> _{thiT} </i> as a Molecular Tool in Lactococcus lactis. Applied and Environmental Microbiology, 2022, 88, AEM0176421.	3.1	1
3	High-Resolution Chrono-Transcriptome of Lactococcus lactis Reveals That It Expresses Proteins with Adapted Size and pI upon Acidification and Nutrient Starvation. Applied and Environmental Microbiology, 2022, , e0247621.	3.1	0
4	FUNAGE-Pro: comprehensive web server for gene set enrichment analysis of prokaryotes. Nucleic Acids Research, 2022, 50, W330-W336.	14.5	17
5	Transcriptomic analysis of stress response to novel antimicrobial coatings in a clinical MRSA strain. Materials Science and Engineering C, 2021, 119, 111578.	7.3	8
6	Functional role of surface layer proteins of<i> Lactobacillus acidophilus</i> L-92 in stress tolerance and binding to host cell proteins. Bioscience of Microbiota, Food and Health, 2021, 40, 33-42.	1.8	7
7	Editing of the Proteolytic System of Lactococcus lactis Increases Its Bioactive Potential. Applied and Environmental Microbiology, 2020, 86, .	3.1	7
8	Editorial: Omics and Systems Approaches to Study the Biology and Applications of Lactic Acid Bacteria. Frontiers in Microbiology, 2020, 11, 1786.	3.5	0
9	Employing lytic phage-mediated horizontal gene transfer in Lactococcus lactis. PLoS ONE, 2020, 15, e0238988.	2.5	4
10	Lysis of a Lactococcus lactis Dipeptidase Mutant and Rescue by Mutation in the Pleiotropic Regulator CodY. Applied and Environmental Microbiology, 2020, 86, .	3.1	7
11	Another Breaker of the Wall: the Biological Function of the Usp45 Protein of Lactococcus lactis. Applied and Environmental Microbiology, 2020, 86, .	3.1	5
12	Draft Genome Sequences of Three Amino Acid-Secreting Lactococcus lactis Strains. Microbiology Resource Announcements, 2020, 9, .	0.6	13
13	Complete Genome Sequences of 28 Lactococcal Bacteriophages Isolated from Failed Dairy Fermentation Processes. Microbiology Resource Announcements, 2020, 9, .	0.6	2
14	A Specific Sugar Moiety in the Lactococcus lactis Cell Wall Pellicle Is Required for Infection by CHPC971, a Member of the Rare 1706 Phage Species. Applied and Environmental Microbiology, 2019, 85, .	3.1	8
15	Construction and characterization of a double mutant of Enterococcus faecalis that does not produce biogenic amines. Scientific Reports, 2019, 9, 16881.	3.3	2
16	The protein regulator ArgR and the sRNA derived from the 3â€™-UTR region of its gene, ArgX, both regulate the arginine deiminase pathway in Lactococcus lactis. PLoS ONE, 2019, 14, e0218508.	2.5	12
17	Reconstruction and inference of the Lactococcus lactis MG1363 gene co-expression network. PLoS ONE, 2019, 14, e0214868.	2.5	5
18	Homologous Expression and Characterization of Gassericin T and Gassericin S, a Novel Class IIb Bacteriocin Produced by Lactobacillus gasseri LA327. Applied and Environmental Microbiology, 2019, 85, .	3.1	19

#	Article	IF	Citations
19	Adaption to glucose limitation is modulated by the pleotropic regulator CcpA, independent of selection pressure strength. BMC Evolutionary Biology, 2019, 19, 15.	3.2	19
20	Stress response of a clinical Enterococcus faecalis isolate subjected to a novel antimicrobial surface coating. Microbiological Research, 2018, 207, 53-64.	5.3	40
21	BAGEL4: a user-friendly web server to thoroughly mine RiPPs and bacteriocins. Nucleic Acids Research, 2018, 46, W278-W281.	14.5	593
22	A Novel Antimicrobial Coating Represses Biofilm and Virulence-Related Genes in Methicillin-Resistant Staphylococcus aureus. Frontiers in Microbiology, 2018, 9, 221.	3.5	37
23	Further Elucidation of Galactose Utilization in Lactococcus lactis MG1363. Frontiers in Microbiology, 2018, 9, 1803.	3.5	10
24	Disruption of a Transcriptional Repressor by an Insertion Sequence Element Integration Leads to Activation of a Novel Silent Cellobiose Transporter in Lactococcus lactis MG1363. Applied and Environmental Microbiology, 2017, 83, .	3.1	10
25	The Evolution of gene regulation research in Lactococcus lactis. FEMS Microbiology Reviews, 2017, 41, S220-S243.	8.6	40
26	Expression of prophage-encoded endolysins contributes to autolysis of Lactococcus lactis. Applied Microbiology and Biotechnology, 2017, 101, 1099-1110.	3.6	20
27	Early Transcriptome Response of Lactococcus lactis to Environmental Stresses Reveals Differentially Expressed Small Regulatory RNAs and tRNAs. Frontiers in Microbiology, 2017, 8, 1704.	3.5	18
28	The Relationship among Tyrosine Decarboxylase and Agmatine Deiminase Pathways in Enterococcus faecalis. Frontiers in Microbiology, 2017, 8, 2107.	3.5	16
29	Transcriptome profiling of TDC cluster deletion mutant of Enterococcus faecalis V583. Genomics Data, 2016, 9, 67-69.	1.3	7
30	Stress Physiology of Lactic Acid Bacteria. Microbiology and Molecular Biology Reviews, 2016, 80, 837-890.	6.6	487
31	Regulation of Cell Wall Plasticity by Nucleotide Metabolism in Lactococcus lactis. Journal of Biological Chemistry, 2016, 291, 11323-11336.	3.4	17
32	Transcriptome landscape of <i>Lactococcus lactis</i> reveals many novel RNAs including a small regulatory RNA involved in carbon uptake and metabolism. RNA Biology, 2016, 13, 353-366.	3.1	53
33	On the Spatial Organization of mRNA, Plasmids, and Ribosomes in a Bacterial Host Overexpressing Membrane Proteins. PLoS Genetics, 2016, 12, e1006523.	3.5	21
34	Plasmid Complement of Lactococcus lactis NCDO712 Reveals a Novel Pilus Gene Cluster. PLoS ONE, 2016, 11, e0167970.	2.5	34
35	T-REx: Transcriptome analysis webserver for RNA-seq Expression data. BMC Genomics, 2015, 16, 663.	2.8	59
36	Protein costs do not explain evolution of metabolic strategies and regulation of ribosomal content: does protein investment explain an anaerobic bacterial <scp>C</scp>rabtree effect?. Molecular Microbiology, 2015, 97, 77-92.	2.5	57

#	Article	IF	Citations
37	<i><scp>L</scp>actococcus lactis</i>â€...<scp>YfiA</scp> is necessary and sufficient for ribosome dimerization. Molecular Microbiology, 2014, 91, 394-407.	2.5	45
38	Enterococcus faecalis zinc-responsive proteins mediate bacterial defence against zinc overload, lysozyme and oxidative stress. Microbiology (United Kingdom), 2014, 160, 2755-2762.	1.8	7
39	Exploiting the peptidoglycan-binding motif, LysM, for medical and industrial applications. Applied Microbiology and Biotechnology, 2014, 98, 4331-45.	3.6	55
40	Bet-hedging during bacterial diauxic shift. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7427-7432.	7.1	211
41	Perspectives on the contribution of lactic acid bacteria to cheese flavor development. Current Opinion in Biotechnology, 2013, 24, 135-141.	6.6	109
42	Transcriptional Regulation of Fatty Acid Biosynthesis in Lactococcus lactis. Journal of Bacteriology, 2013, 195, 1081-1089.	2.2	30
43	Benchmarking Various Green Fluorescent Protein Variants in Bacillus subtilis, Streptococcus pneumoniae, and Lactococcus lactis for Live Cell Imaging. Applied and Environmental Microbiology, 2013, 79, 6481-6490.	3.1	110
44	The Transcriptional and Gene Regulatory Network of Lactococcus lactis MG1363 during Growth in Milk. PLoS ONE, 2013, 8, e53085.	2.5	23
45	AcmD, a Homolog of the Major Autolysin AcmA of Lactococcus lactis, Binds to the Cell Wall and Contributes to Cell Separation and Autolysis. PLoS ONE, 2013, 8, e72167.	2.5	66
46	A Specific Mutation in the Promoter Region of the Silent <i>cel</i> Cluster Accounts for the Appearance of Lactose-Utilizing Lactococcus lactis MG1363. Applied and Environmental Microbiology, 2012, 78, 5612-5621.	3.1	43
47	PePPER: a webserver for prediction of prokaryote promoter elements and regulons. BMC Genomics, 2012, 13, 299.	2.8	135
48	A genetically engineered protein domain binding to bacterial murein, archaeal pseudomurein, and fungal chitin cell wall material. Applied Microbiology and Biotechnology, 2012, 96, 729-737.	3.6	9
49	From meadows to milk to mucosa â€" adaptation of<i>Streptococcus</i>and<i>Lactococcus</i>species to their nutritional environments. FEMS Microbiology Reviews, 2012, 36, 949-971.	8.6	54
50	A Minimum of Three Motifs Is Essential for Optimal Binding of Pseudomurein Cell Wall-Binding Domain of Methanothermobacter thermautotrophicus. PLoS ONE, 2011, 6, e21582.	2.5	7
51	The Response of Lactococcus lactis to Membrane Protein Production. PLoS ONE, 2011, 6, e24060.	2.5	33
52	Murein and pseudomurein cell wall binding domains of bacteria and archaeaâ€"a comparative view. Applied Microbiology and Biotechnology, 2011, 92, 921-928.	3.6	46
53	pSEUDO, a Genetic Integration Standard for Lactococcus lactis. Applied and Environmental Microbiology, 2011, 77, 6687-6690.	3.1	46
54	Efficient Overproduction of Membrane Proteins in Lactococcus lactis Requires the Cell Envelope Stress Sensor/Regulator Couple CesSR. PLoS ONE, 2011, 6, e21873.	2.5	27

#	Article	IF	Citations
55	Two Major Archaeal Pseudomurein Endoisopeptidases: PeiW and PeiP. Archaea, 2010, 2010, 1-4.	2.3	17
56	Genome Sequences of <i>Lactococcus lactis</i> MG1363 (Revised) and NZ9000 and Comparative Physiological Studies. Journal of Bacteriology, 2010, 192, 5806-5812.	2.2	108
57	Characterization of the individual glucose uptake systems of <i>Lactococcus lactis</i>: mannoseâ€PTS, cellobioseâ€PTS and the novel GlcU permease. Molecular Microbiology, 2009, 71, 795-806.	2.5	74
58	LysM, a widely distributed protein motif for binding to (peptido)glycans. Molecular Microbiology, 2008, 68, 838-847.	2.5	564
59	Increased d-alanylation of lipoteichoic acid and a thickened septum are main determinants in the nisin resistance mechanism of Lactococcus lactis. Microbiology (United Kingdom), 2008, 154, 1755-1762.	1.8	55
60	Transcriptome Analysis of the Lactococcus lactis ArgR and AhrC Regulons. Applied and Environmental Microbiology, 2008, 74, 4768-4771.	3.1	37
61	Reduced Lysis upon Growth of <i>Lactococcus lactis</i> on Galactose Is a Consequence of Decreased Binding of the Autolysin AcmA. Applied and Environmental Microbiology, 2008, 74, 4671-4679.	3.1	18
62	Time-Resolved Determination of the CcpA Regulon of Lactococcus lactis subsp. cremoris MG1363. Journal of Bacteriology, 2007, 189, 1366-1381.	2.2	136
63	SpxB Regulates O-Acetylation-dependent Resistance of Lactococcus lactis Peptidoglycan to Hydrolysis. Journal of Biological Chemistry, 2007, 282, 19342-19354.	3.4	86
64	Lytr, a phage-derived amidase is most effective in induced lysis of Lactococcus lactis compared with other lactococcal amidases and glucosaminidases. International Dairy Journal, 2007, 17, 926-936.	3.0	14
65	Complete Genome Sequence of the Prototype Lactic Acid Bacterium <i>Lactococcus lactis</i> subsp. <i>cremoris</i> MG1363. Journal of Bacteriology, 2007, 189, 3256-3270.	2.2	362
66	Comparative Analyses of Prophage-Like Elements Present in Two <i>Lactococcus lactis</i> Strains. Applied and Environmental Microbiology, 2007, 73, 7771-7780.	3.1	52
67	Cell envelope stress induced by the bacteriocin Lcn972 is sensed by the lactococcal two-component system CesSR. Molecular Microbiology, 2007, 64, 473-486.	2.5	96
68	Different subcellular locations of secretome components of Gram-positive bacteria. Microbiology (United Kingdom), 2006, 152, 2867-2874.	1.8	37
69	Regulation of Glutamine and Glutamate Metabolism by GlnR and GlnA in Streptococcus pneumoniae. Journal of Biological Chemistry, 2006, 281, 25097-25109.	3.4	150
70	Mucosal vaccine delivery of antigens tightly bound to an adjuvant particle made from food-grade bacteria. Methods, 2006, 38, 144-149.	3.8	101
71	Natural sweetening of food products by engineering Lactococcus lactis for glucose production. Metabolic Engineering, 2006, 8, 456-464.	7.0	30
72	High-level heterologous production and functional expression of the sec-dependent enterocin P from Enterococcus faecium P13 in Lactococcus lactis. Applied Microbiology and Biotechnology, 2006, 72, 41-51.	3.6	44

#	Article	IF	Citations
73	Characterization of the lyticâ€"lysogenic switch of the lactococcal bacteriophage Tuc2009. Virology, 2006, 347, 434-446.	2.4	18
74	Mutations in Lactococcus lactis and their Detection. , 2006, , 248-268.		0
75	GlnR-Mediated Regulation of Nitrogen Metabolism in Lactococcus lactis. Journal of Bacteriology, 2006, 188, 4978-4982.	2.2	39
76	Identification and Functional Characterization of the<i>Lactococcus lactis</i>CodY-Regulated Branched-Chain Amino Acid Permease BcaP (CtrA). Journal of Bacteriology, 2006, 188, 3280-3289.	2.2	70
77	Novel Surface Display System for Proteins on Non-Genetically Modified Gram-Positive Bacteria. Applied and Environmental Microbiology, 2006, 72, 880-889.	3.1	146
78	Transcriptome Analysis Reveals Mechanisms by Which Lactococcus lactis Acquires Nisin Resistance. Antimicrobial Agents and Chemotherapy, 2006, 50, 1753-1761.	3.2	118
79	To have neighbour's fare: extending the molecular toolbox for Streptococcus pneumoniae. Microbiology (United Kingdom), 2006, 152, 351-359.	1.8	94
80	Specificity and selectivity determinants of peptide transport in Lactococcus lactis and other microorganisms. Molecular Microbiology, 2005, 57, 640-649.	2.5	94
81	AcmA of <i>Lactococcus lactis</i> is an <i>N</i>â€acetylglucosaminidase with an optimal number of LysM domains for proper functioning. FEBS Journal, 2005, 272, 2854-2868.	4.7	122
82	Overview on sugar metabolism and its control in â€" The input from in vivo NMR. FEMS Microbiology Reviews, 2005, 29, 531-554.	8.6	139
83	A generally applicable validation scheme for the assessment of factors involved in reproducibility and quality of DNA-microarray data. BMC Genomics, 2005, 6, 77.	2.8	100
84	Mutations in Lactococcus lactis, and their Detection. , 2005, , 231-250.		0
85	The Lactococcus lactis CodY Regulon. Journal of Biological Chemistry, 2005, 280, 34332-34342.	3.4	176
86	Probing Direct Interactions between CodY and the<i>oppD</i>Promoter of<i>Lactococcus lactis</i>. Journal of Bacteriology, 2005, 187, 512-521.	2.2	68
87	Interaction between ArgR and AhrC Controls Regulation of Arginine Metabolism in Lactococcus lactis. Journal of Biological Chemistry, 2005, 280, 19319-19330.	3.4	41
88	Autolysis of Lactococcus lactis Is Increased upon d -Alanine Depletion of Peptidoglycan and Lipoteichoic Acids. Journal of Bacteriology, 2005, 187, 114-124.	2.2	96
89	Fructose Utilization in<i>Lactococcus lactis</i>as a Model for Low-GC Gram-Positive Bacteria: Its Regulator, Signal, and DNA-Binding Site. Journal of Bacteriology, 2005, 187, 3752-3761.	2.2	66
90	Comparative and functional genomics of lactococci. FEMS Microbiology Reviews, 2005, 29, 411-433.	8.6	21

#	Article	IF	Citations
91	ArgR and AhrC Are Both Required for Regulation of Arginine Metabolism in Lactococcus lactis. Journal of Bacteriology, 2004, 186, 1147-1157.	2.2	67
92	Two homologous oligopeptide binding protein genes (oppA) in Lactococcus lactis MG1363. International Journal of Food Microbiology, 2004, 97, 9-15.	4.7	7
93	Genome2D: a visualization tool for the rapid analysis of bacterial transcriptome data. Genome Biology, 2004, 5, R37.	9.6	93
94	Genetics of Proteolysis in Lactococcus lactis. , 2003, , 189-223.		6
95	UniFrag and GenomePrimer: selection of primers for genome-wide production of unique amplicons. Bioinformatics, 2003, 19, 1580-1582.	4.1	32
96	Cell Wall Attachment of a Widely Distributed Peptidoglycan Binding Domain Is Hindered by Cell Wall Constituents. Journal of Biological Chemistry, 2003, 278, 23874-23881.	3.4	205
97	MicroPreP: a cDNA microarray data pre-processing framework. Applied Bioinformatics, 2003, 2, 241-4.	1.6	82
98	Transcriptome analysis and related databases of Lactococcus lactis. Antonie Van Leeuwenhoek, 2002, 82, 113-122.	1.7	53
99	Environmental stress responses inLactococcus lactis. FEMS Microbiology Reviews, 1999, 23, 483-501.	8.6	142
100	DNA-mircoarrays and food-biotechnology. Antonie Van Leeuwenhoek, 1999, 76, 353-355.	1.7	12
101	From DNA sequence to application: possibilities and complications. Antonie Van Leeuwenhoek, 1999, 76, 3-23.	1.7	12
102	Anchoring of proteins to lactic acid bacteria. Antonie Van Leeuwenhoek, 1999, 76, 367-376.	1.7	78
103	Environmental stress responses in Lactococcus lactis. FEMS Microbiology Reviews, 1999, 23, 483-501.	8.6	5
104	A lactococcal pWV01-based integration toolbox for bacteria. Cytotechnology, 1998, 20, 35-50.	0.7	23
105	A chloride-inducible acid resistance mechanism in Lactococcus lactis and its regulation. Molecular Microbiology, 1998, 27, 299-310.	2.5	245
106	The S-layer gene of Lactobacillus helveticus CNRZ 892: cloning, sequence and heterologous expression. Microbiology (United Kingdom), 1998, 144, 719-726.	1.8	71
107	Use of a Genetically Enhanced, Pediocin-Producing Starter Culture, <i>Lactococcus lactis</i> subsp. <i>lactis</i> MM217, To Control <i>Listeria monocytogenes</i> in Cheddar Cheese. Applied and Environmental Microbiology, 1998, 64, 4842-4845.	3.1	70
108	Autolysis of Lactococcus lactis Is Influenced by Proteolysis. Journal of Bacteriology, 1998, 180, 5947-5953.	2.2	59

#	Article	IF	Citations
109	Casein and Peptide Degradation in Lactic Acid Bacteria. Biotechnology and Genetic Engineering Reviews, 1997, 14, 279-302.	6.2	56
110	Design of thermolabile bacteriophage repressor mutants by comparative molecular modeling. Nature Biotechnology, 1997, 15, 980-983.	17.5	39
111	Inducible gene expression and environmentally regulated genes in lactic acid bacteria. Antonie Van Leeuwenhoek, 1996, 70, 129-145.	1.7	34
112	Inducible gene expression mediated by a repressor-operator system isolated from Lactococcus lactis bacteriophage r1t. Molecular Microbiology, 1996, 19, 1331-1341.	2.5	99
113	Sequence analysis and molecular characterization of the temperate lactococcal bacteriophage r1t. Molecular Microbiology, 1996, 19, 1343-1355.	2.5	182
114	Functional analysis of the pediocin operon of Pediococcus acidilactici PAC1.0: PedB is the immunity protein and PedD is the precursor processing enzyme. Molecular Microbiology, 1995, 17, 515-522.	2.5	153
115	Gene expression in Lactococcus lactis. FEMS Microbiology Letters, 1992, 88, 73-92.	1.8	138
116	Distance-dependent translational coupling and interference inLactococcus lactis. Molecular Genetics and Genomics, 1991, 227, 65-71.	2.4	72
117	Genetics of the proteolytic system of lactic acid bacteria. FEMS Microbiology Letters, 1990, 87, 15-42.	1.8	189
118	Genetics of the proteolytic system of lactic acid bacteria. FEMS Microbiology Letters, 1990, 87, 15-41.	1.8	5
119	Stability of Integrated Plasmids in the Chromosome of <i>Lactococcus lactis</i>. Applied and Environmental Microbiology, 1990, 56, 2726-2735.	3.1	159