

Pekka Varmanen

List of Publications by Year in descending order

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55
papers

3,012
citations

186265

28
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161849

54
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56
all docs

56
docs citations

56
times ranked

3143
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteolytic systems of lactic acid bacteria. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 394-406.	3.6	530
2	Stress Physiology of Lactic Acid Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, 837-890.	6.6	487
3	Clp ATPases and ClpP proteolytic complexes regulate vital biological processes in low GC, Gram-positive bacteria. <i>Molecular Microbiology</i> , 2007, 63, 1285-1295.	2.5	255
4	Proteomics and Transcriptomics Characterization of Bile Stress Response in Probiotic <i>Lactobacillus rhamnosus</i> GG. <i>Molecular and Cellular Proteomics</i> , 2011, 10, S1-S18.	3.8	167
5	Effect of acid stress on protein expression and phosphorylation in <i>Lactobacillus rhamnosus</i> GG. <i>Journal of Proteomics</i> , 2012, 75, 1357-1374.	2.4	130
6	Growth phase-associated changes in the proteome and transcriptome of <i>Lactobacillus rhamnosus</i> GG in industrial-type whey medium. <i>Microbial Biotechnology</i> , 2011, 4, 746-766.	4.2	77
7	Effect of heat-shock and bile salts on protein synthesis of <i>Bifidobacterium longum</i> revealed by [³⁵ S]methionine labelling and two-dimensional gel electrophoresis. <i>FEMS Microbiology Letters</i> , 2005, 248, 207-215.	1.8	60
8	New Insights into <i>Staphylococcus aureus</i> Stress Tolerance and Virulence Regulation from an Analysis of the Role of the ClpP Protease in the Strains Newman, COL, and SA564. <i>Journal of Proteome Research</i> , 2012, 11, 95-108.	3.7	59
9	Proteome Analysis of <i>Lactobacillus rhamnosus</i> GG Using 2-D DIGE and Mass Spectrometry Shows Differential Protein Production in Laboratory and Industrial-Type Growth Media. <i>Journal of Proteome Research</i> , 2009, 8, 4993-5007.	3.7	56
10	Alpha- and Î ² -casein components of host milk induce biofilm formation in the mastitis bacterium <i>Streptococcus uberis</i> . <i>Veterinary Microbiology</i> , 2011, 149, 381-389.	1.9	56
11	Comparative Proteome Cataloging of <i>Lactobacillus rhamnosus</i> Strains GG and Lc705. <i>Journal of Proteome Research</i> , 2011, 10, 3460-3473.	3.7	53
12	Inactivation of a gene that is highly conserved in Gram-positive bacteria stimulates degradation of non-native proteins and concomitantly increases stress tolerance in <i>Lactococcus lactis</i> . <i>Molecular Microbiology</i> , 2001, 41, 93-103.	2.5	49
13	ctsR of <i>Lactococcus lactis</i> encodes a negative regulator of clp gene expression The GenBank accession numbers for the nucleotide sequences of ctsR and ORF555 and their flanking regions are AJ249133 and AJ249134, respectively.. <i>Microbiology (United Kingdom)</i> , 2000, 146, 1447-1455.	1.8	49
14	Characterization and Expression of the <i>Lactobacillus helveticus</i> pepC Gene Encoding a General Aminopeptidase. <i>FEBS Journal</i> , 1994, 224, 991-997.	0.2	48
15	Heat and DNA damage induction of the LexA-like regulator HdiR from <i>Lactococcus lactis</i> is mediated by RecA and ClpP. <i>Molecular Microbiology</i> , 2003, 50, 609-621.	2.5	48
16	<i>In situ</i> production of active vitamin B12 in cereal matrices using <i>Propionibacterium freudenreichii</i> . <i>Food Science and Nutrition</i> , 2018, 6, 67-76.	3.4	48
17	Uncovering Surface-Exposed Antigens of <i>Lactobacillus rhamnosus</i> by Cell Shaving Proteomics and Two-Dimensional Immunoblotting. <i>Journal of Proteome Research</i> , 2015, 14, 1010-1024.	3.7	46
18	Food-Like Growth Conditions Support Production of Active Vitamin B12 by <i>Propionibacterium freudenreichii</i> 2067 without DMBI, the Lower Ligand Base, or Cobalt Supplementation. <i>Frontiers in Microbiology</i> , 2017, 8, 368.	3.5	42

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19	Characterization and expression of the pepN gene encoding a general aminopeptidase from <i>Lactobacillus helveticus</i> . <i>FEMS Microbiology Letters</i> , 1994, 124, 315-320.	1.8	41
20	Co-fermentation of <i>Propionibacterium freudenreichii</i> and <i>Lactobacillus brevis</i> in Wheat Bran for in situ Production of Vitamin B12. <i>Frontiers in Microbiology</i> , 2019, 10, 1541.	3.5	41
21	BluB/CobT2 fusion enzyme activity reveals mechanisms responsible for production of active form of vitamin B12 by <i>Propionibacterium freudenreichii</i> . <i>Microbial Cell Factories</i> , 2015, 14, 186.	4.0	40
22	Molecular Characterization of a Stress-Inducible Gene from <i>Lactobacillus helveticus</i> . <i>Journal of Bacteriology</i> , 1998, 180, 6148-6153.	2.2	39
23	ClpL is essential for induction of thermotolerance and is potentially part of the HrcA regulon in <i>Lactobacillus gasserii</i> . <i>Proteomics</i> , 2008, 8, 1029-1041.	2.2	38
24	Effect of the lower ligand precursors on vitamin B12 production by food-grade <i>Propionibacteria</i> . <i>LWT - Food Science and Technology</i> , 2016, 72, 117-124.	5.2	38
25	In situ fortification of vitamin B12 in wheat flour and wheat bran by fermentation with <i>Propionibacterium freudenreichii</i> . <i>Journal of Cereal Science</i> , 2018, 81, 133-139.	3.7	35
26	Comparative analysis of excretory-secretory antigens of <i>Trichinella spiralis</i> and <i>Trichinella britovi</i> muscle larvae by two-dimensional difference gel electrophoresis and immunoblotting. <i>Proteome Science</i> , 2012, 10, 10.	1.7	34
27	Identification of a Novel Streptococcal Gene Cassette Mediating SOS Mutagenesis in <i>Streptococcus uberis</i> . <i>Journal of Bacteriology</i> , 2007, 189, 5210-5222.	2.2	30
28	Characterization of a Mobile clpL Gene from <i>Lactobacillus rhamnosus</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 2061-2069.	3.1	29
29	Cloning and Characterization of a Proline Gene (<i>pepR</i>) from <i>Lactobacillus rhamnosus</i> . <i>Applied and Environmental Microbiology</i> , 1998, 64, 1831-1836.	3.1	29
30	Growth Mode and Carbon Source Impact the Surfaceome Dynamics of <i>Lactobacillus rhamnosus</i> GG. <i>Frontiers in Microbiology</i> , 2019, 10, 1272.	3.5	28
31	X-Prolyl Dipeptidyl Aminopeptidase Gene (<i>pepX</i>) Is Part of the <i>glnRA</i> Operon in <i>Lactobacillus rhamnosus</i> . <i>Journal of Bacteriology</i> , 2000, 182, 146-154.	2.2	26
32	Fermentation of cereal, pseudo-cereal and legume materials with <i>Propionibacterium freudenreichii</i> and <i>Levilactobacillus brevis</i> for vitamin B12 fortification. <i>LWT - Food Science and Technology</i> , 2021, 137, 110431.	5.2	26
33	Complete genome sequence of <i>Propionibacterium freudenreichii</i> DSM 20271T. <i>Standards in Genomic Sciences</i> , 2015, 10, 83.	1.5	23
34	ClpE from <i>Lactococcus lactis</i> Promotes Repression of CtsR-Dependent Gene Expression. <i>Journal of Bacteriology</i> , 2003, 185, 5117-5124.	2.2	22
35	Characterization of a proline gene and its product and an adjacent ABC transporter gene from <i>Lactobacillus helveticus</i> . <i>Microbiology (United Kingdom)</i> , 1996, 142, 809-816.	1.8	20
36	<i>Aspergillus flavus</i> growth inhibition by <i>Lactobacillus</i> strains isolated from traditional fermented Kenyan milk and maize products. <i>Archives of Microbiology</i> , 2017, 199, 457-464.	2.2	20

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37	Growth Mode and Physiological State of Cells Prior to Biofilm Formation Affect Immune Evasion and Persistence of <i>Staphylococcus aureus</i> . <i>Microorganisms</i> , 2020, 8, 106.	3.6	18
38	Ciprofloxacin induces mutagenesis to antibiotic resistance independent of UmuC in <i>Streptococcus uberis</i> . <i>Environmental Microbiology</i> , 2008, 10, 2179-2183.	3.8	17
39	Comparative Exoprotein Profiling of Different <i>Staphylococcus epidermidis</i> Strains Reveals Potential Link between Nonclassical Protein Export and Virulence. <i>Journal of Proteome Research</i> , 2014, 13, 3249-3261.	3.7	17
40	Genomics and Proteomics Provide New Insight into the Commensal and Pathogenic Lifestyles of Bovine- and Human-Associated <i>Staphylococcus epidermidis</i> Strains. <i>Journal of Proteome Research</i> , 2014, 13, 3748-3762.	3.7	16
41	De novo assembly of genomes from long sequence reads reveals uncharted territories of <i>Propionibacterium freudenreichii</i> . <i>BMC Genomics</i> , 2017, 18, 790.	2.8	16
42	Secretome profiling of <i>Propionibacterium freudenreichii</i> reveals highly variable responses even among the closely related strains. <i>Microbial Biotechnology</i> , 2018, 11, 510-526.	4.2	15
43	A <i>Streptococcus uberis</i> transposon mutant screen reveals a negative role for LiaR homologue in biofilm formation. <i>Journal of Applied Microbiology</i> , 2015, 118, 1-10.	3.1	14
44	Two-Dimensional Difference Gel Electrophoresis Analysis of <i>Streptococcus uberis</i> in Response to Mutagenesis-Inducing Ciprofloxacin Challenge. <i>Journal of Proteome Research</i> , 2009, 8, 246-255.	3.7	13
45	Red-Brown Pigmentation of <i>Acidipropionibacterium jensenii</i> Is Tied to Haemolytic Activity and <i>cyl</i> -Like Gene Cluster. <i>Microorganisms</i> , 2019, 7, 512.	3.6	10
46	<i>Acidipropionibacterium virtanenii</i> sp. nov., isolated from malted barley. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3175-3183.	1.7	9
47	Comparative proteome profiling of bovine and human <i>Staphylococcus epidermidis</i> strains for screening specifically expressed virulence and adaptation proteins. <i>Proteomics</i> , 2014, 14, 1890-1894.	2.2	7
48	Characterization and expression of the <i>pepN</i> gene encoding a general aminopeptidase from <i>Lactobacillus helveticus</i> . <i>FEMS Microbiology Letters</i> , 1994, 124, 315-320.	1.8	7
49	Penicillin G increases the synthesis of a suicidal marker (<i>CidC</i>) and virulence (<i>HlgBC</i>) proteins in <i>Staphylococcus aureus</i> biofilm cells. <i>International Journal of Medical Microbiology</i> , 2016, 306, 69-74.	3.6	6
50	Responses of Lactic Acid Bacteria to Heat Stress. , 2011, , 55-66.		6
51	Letter to the editor on "Enhancing vitamin B12 content in soy-yogurt by <i>Lactobacillus reuteri</i> , IJFM. 206:56-59". <i>International Journal of Food Microbiology</i> , 2016, 228, 33.	4.7	5
52	Complete Genome Sequences and Methyloome Analyses of <i>Cutibacterium acnes</i> subsp. <i>acnes</i> Strains DSM 16379 and DSM 1897 ^T . <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	5
53	Bioaccessibility of vitamin B12 synthesized by <i>Propionibacterium freudenreichii</i> and from products made with fermented wheat bran extract. <i>Current Research in Food Science</i> , 2021, 4, 499-502.	5.8	5
54	Metatranscriptomic assessment of burn wound infection clearance. <i>Clinical Microbiology and Infection</i> , 2021, 27, 144-146.	6.0	4

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55	Anthranilamides with quinoline and $\hat{1}^2$ -carboline scaffolds: design, synthesis, and biological activity. <i>Molecular Diversity</i> , 2022, 26, 2595-2612.	3.9	3