Pekka Varmanen

List of Publications by Year
in descending order

55 papers	3,012 citations	186265 28 h-index	161849 54 g-index
56 all docs	56 docs citations	56 times ranked	3143 citing authors

#	Article	IF	Citations
1	Anthranilamides with quinoline and Î²-carboline scaffolds: design, synthesis, and biological activity. Molecular Diversity, 2022, 26, 2595-2612.	3.9	3
2	Metatranscriptomic assessment of burn wound infection clearance. Clinical Microbiology and Infection, 2021, 27, 144-146.	6.0	4
3	Fermentation of cereal, pseudo-cereal and legume materials with Propionibacterium freudenreichii and Levilactobacillus brevis for vitamin B12 fortification. LWT - Food Science and Technology, 2021, 137, 110431.	5.2	26
4	Bioaccessibility of vitamin B12 synthesized by Propionibacterium freudenreichii and from products made with fermented wheat bran extract. Current Research in Food Science, 2021, 4, 499-502.	5.8	5
5	Complete Genome Sequences and Methylome Analyses of Cutibacterium acnes subsp. <i>acnes</i> Strains DSM 16379 and DSM 1897 ^T. Microbiology Resource Announcements, 2020, 9, .	0.6	5
6	Growth Mode and Physiological State of Cells Prior to Biofilm Formation Affect Immune Evasion and Persistence of Staphylococcus aureus. Microorganisms, 2020, 8, 106.	3.6	18
7	Co-fermentation of Propionibacterium freudenreichii and Lactobacillus brevis in Wheat Bran for in situ Production of Vitamin B12. Frontiers in Microbiology, 2019, 10, 1541.	3.5	41
8	Growth Mode and Carbon Source Impact the Surfaceome Dynamics of Lactobacillus rhamnosus GG. Frontiers in Microbiology, 2019, 10, 1272.	3.5	28
9	Red-Brown Pigmentation of Acidipropionibacterium jensenii Is Tied to Haemolytic Activity and cyl-Like Gene Cluster. Microorganisms, 2019, 7, 512.	3.6	10
10	Secretome profiling of <i>Propionibacterium freudenreichii</i> reveals highly variable responses even among the closely related strains. Microbial Biotechnology, 2018, 11, 510-526.	4.2	15
11	In situ fortification of vitamin B12 in wheat flour and wheat bran by fermentation with Propionibacterium freudenreichii. Journal of Cereal Science, 2018, 81, 133-139.	3.7	35
12	<i>In situ</i> production of active vitamin B12 in cereal matrices using <i>Propionibacterium freudenreichii</i>. Food Science and Nutrition, 2018, 6, 67-76.	3.4	48
13	Acidipropionibacterium virtanenii sp. nov., isolated from malted barley. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 3175-3183.	1.7	9
14	Aspergillus flavus growth inhibition by Lactobacillus strains isolated from traditional fermented Kenyan milk and maize products. Archives of Microbiology, 2017, 199, 457-464.	2.2	20
15	Food-Like Growth Conditions Support Production of Active Vitamin B12 by Propionibacterium freudenreichii 2067 without DMBI, the Lower Ligand Base, or Cobalt Supplementation. Frontiers in Microbiology, 2017, 8, 368.	3.5	42
16	De novo assembly of genomes from long sequence reads reveals uncharted territories of Propionibacterium freudenreichii. BMC Genomics, 2017, 18, 790.	2.8	16
17	Letter to the editor on â€˜Enhancing vitamin B12 content in soy-yogurt by Lactobacillus reuteri, IJFM. 206:56â€“59â€™. International Journal of Food Microbiology, 2016, 228, 33.	4.7	5
18	Effect of the lower ligand precursors on vitamin B12 production by food-grade Propionibacteria. LWT - Food Science and Technology, 2016, 72, 117-124.	5.2	38

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19	Stress Physiology of Lactic Acid Bacteria. Microbiology and Molecular Biology Reviews, 2016, 80, 837-890.	6.6	487
20	Penicillin G increases the synthesis of a suicidal marker (CidC) and virulence (HlgBC) proteins in Staphylococcus aureus biofilm cells. International Journal of Medical Microbiology, 2016, 306, 69-74.	3.6	6
21	BluB/CobT2 fusion enzyme activity reveals mechanisms responsible for production of active form of vitamin B12 by Propionibacterium freudenreichii. Microbial Cell Factories, 2015, 14, 186.	4.0	40
22	A Streptococcus uberis transposon mutant screen reveals a negative role for LiaR homologue in biofilm formation. Journal of Applied Microbiology, 2015, 118, 1-10.	3.1	14
23	Complete genome sequence of Propionibacterium freudenreichii DSM 20271T. Standards in Genomic Sciences, 2015, 10, 83.	1.5	23
24	Uncovering Surface-Exposed Antigens of <i>Lactobacillus rhamnosus</i> by Cell Shaving Proteomics and Two-Dimensional Immunoblotting. Journal of Proteome Research, 2015, 14, 1010-1024.	3.7	46
25	Comparative proteome profiling of bovine and human <i>Staphylococcus epidermidis</i> strains for screening specifically expressed virulence and adaptation proteins. Proteomics, 2014, 14, 1890-1894.	2.2	7
26	Genomics and Proteomics Provide New Insight into the Commensal and Pathogenic Lifestyles of Bovine- and Human-Associated <i>Staphylococcus epidermidis</i> Strains. Journal of Proteome Research, 2014, 13, 3748-3762.	3.7	16
27	Comparative Exoprotein Profiling of DifferentStaphylococcus epidermidisStrains Reveals Potential Link between Nonclassical Protein Export and Virulence. Journal of Proteome Research, 2014, 13, 3249-3261.	3.7	17
28	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. Journal of Proteome Research, 2012, 11, 95-108.	3.7	59
29	Effect of acid stress on protein expression and phosphorylation in Lactobacillus rhamnosus GG. Journal of Proteomics, 2012, 75, 1357-1374.	2.4	130
30	Comparative analysis of excretory-secretory antigens of Trichinella spiralis and Trichinella britovi muscle larvae by two-dimensional difference gel electrophoresis and immunoblotting. Proteome Science, 2012, 10, 10.	1.7	34
31	Comparative Proteome Cataloging of Lactobacillus rhamnosus Strains GG and Lc705. Journal of Proteome Research, 2011, 10, 3460-3473.	3.7	53
32	Growth phaseâ€associated changes in the proteome and transcriptome of <i>Lactobacillus rhamnosus</i> GG in industrialâ€type whey medium. Microbial Biotechnology, 2011, 4, 746-766.	4.2	77
33	Alpha- and Î²-casein components of host milk induce biofilm formation in the mastitis bacterium Streptococcus uberis. Veterinary Microbiology, 2011, 149, 381-389.	1.9	56
34	Proteomics and Transcriptomics Characterization of Bile Stress Response in Probiotic Lactobacillus rhamnosus GG. Molecular and Cellular Proteomics, 2011, 10, S1-S18.	3.8	167
35	Responses of Lactic Acid Bacteria to Heat Stress. , 2011, , 55-66.		6
36	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. Journal of Proteome Research, 2009, 8, 4993-5007.	3.7	56

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37	Two-Dimensional Difference Gel Electrophoresis Analysis of <i>Streptococcus uberis</i> in Response to Mutagenesis-Inducing Ciprofloxacin Challenge. Journal of Proteome Research, 2009, 8, 246-255.	3.7	13
38	ClpL is essential for induction of thermotolerance and is potentially part of the HrcA regulon in <i>Lactobacillus gasseri</i>. Proteomics, 2008, 8, 1029-1041.	2.2	38
39	Ciprofloxacin induces mutagenesis to antibiotic resistance independent of UmuC in <i>Streptococcus uberis</i>. Environmental Microbiology, 2008, 10, 2179-2183.	3.8	17
40	Identification of a Novel Streptococcal Gene Cassette Mediating SOS Mutagenesis in Streptococcus uberis. Journal of Bacteriology, 2007, 189, 5210-5222.	2.2	30
41	Clp ATPases and ClpP proteolytic complexes regulate vital biological processes in low GC, Gramâ€positive bacteria. Molecular Microbiology, 2007, 63, 1285-1295.	2.5	255
42	Proteolytic systems of lactic acid bacteria. Applied Microbiology and Biotechnology, 2006, 71, 394-406.	3.6	530
43	Effect of heat-shock and bile salts on protein synthesis of<i>Bifidobacterium longum</i>revealed by [³⁵S]methionine labelling and two-dimensional gel electrophoresis. FEMS Microbiology Letters, 2005, 248, 207-215.	1.8	60
44	Characterization of a Mobile clpL Gene from Lactobacillus rhamnosus. Applied and Environmental Microbiology, 2005, 71, 2061-2069.	3.1	29
45	Heat and DNA damage induction of the LexA-like regulator HdiR from Lactococcus lactis is mediated by RecA and ClpP. Molecular Microbiology, 2003, 50, 609-621.	2.5	48
46	ClpE from Lactococcus lactis Promotes Repression of CtsR-Dependent Gene Expression. Journal of Bacteriology, 2003, 185, 5117-5124.	2.2	22
47	Inactivation of a gene that is highly conserved in Gram-positive bacteria stimulates degradation of non-native proteins and concomitantly increases stress tolerance in Lactococcus lactis. Molecular Microbiology, 2001, 41, 93-103.	2.5	49
48	X-Prolyl Dipeptidyl Aminopeptidase Gene (pepX) Is Part of the glnRA Operon in Lactobacillus rhamnosus. Journal of Bacteriology, 2000, 182, 146-154.	2.2	26
49	ctsR of Lactococcus lactis 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.. Microbiology (United Kingdom), 2000, 146, 1447-1455.	1.8	49
50	Cloning and Characterization of a Prolinase Gene (<i>pepR</i>) from <i>Lactobacillus rhamnosus</i>. Applied and Environmental Microbiology, 1998, 64, 1831-1836.	3.1	29
51	Molecular Characterization of a Stress-Inducible Gene from Lactobacillus helveticus. Journal of Bacteriology, 1998, 180, 6148-6153.	2.2	39
52	Characterization of a prolinase gene and its product and an adjacent ABC transporter gene from Lactobacillus helveticus. Microbiology (United Kingdom), 1996, 142, 809-816.	1.8	20
53	Characterization and expression of thepepNgene encoding a general aminopeptidase fromLactobacillus helveticus. FEMS Microbiology Letters, 1994, 124, 315-320.	1.8	41
54	Characterization and Expression of the Lactobacillus helveticus pepC Gene Encoding a General Aminopeptidase. FEBS Journal, 1994, 224, 991-997.	0.2	48

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55	Characterization and expression of the pepN gene encoding a general aminopeptidase from Lactobacillus helveticus. FEMS Microbiology Letters, 1994, 124, 315-320.	1.8	7