

Paloma Lopez Garca

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103
papers

3,261
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31
h-index

53
g-index

107
ext. papers

3,782
ext. citations

4.9
avg, IF

4.82
L-index

#	Paper	IF	Citations
103	Biogenic amines in fermented foods. <i>European Journal of Clinical Nutrition</i> , 2010 , 64 Suppl 3, S95-100	5.2	284
102	Identification and analysis of genes for tetracycline resistance and replication functions in the broad-host-range plasmid pLS1. <i>Journal of Molecular Biology</i> , 1986 , 192, 753-65	6.5	222
101	Lactic acid bacteria producing B-group vitamins: a great potential for functional cereals products. <i>Applied Microbiology and Biotechnology</i> , 2012 , 96, 1383-94	5.7	161
100	Sulfonamide resistance in <i>Streptococcus pneumoniae</i> : DNA sequence of the gene encoding dihydropteroate synthase and characterization of the enzyme. <i>Journal of Bacteriology</i> , 1987 , 169, 4320-6	3.5	108
99	Beta-glucans improve growth, viability and colonization of probiotic microorganisms. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 6026-39	6.3	107
98	Evidence that the essential response regulator YycF in <i>Streptococcus pneumoniae</i> modulates expression of fatty acid biosynthesis genes and alters membrane composition. <i>Journal of Bacteriology</i> , 2005 , 187, 2357-67	3.5	99
97	Riboflavin-overproducing strains of <i>Lactobacillus fermentum</i> for riboflavin-enriched bread. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 3691-700	5.7	90
96	<i>Pediococcus parvulus</i> gtf gene encoding the GTF glycosyltransferase and its application for specific PCR detection of beta-D-glucan-producing bacteria in foods and beverages. <i>Journal of Food Protection</i> , 2006 , 69, 161-9	2.5	84
95	Transcriptional control of the low-temperature-inducible des gene, encoding the delta5 desaturase of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1999 , 181, 7028-33	3.5	77
94	Probiotic properties of the 2-substituted (1,3)-beta-D-glucan-producing bacterium <i>Pediococcus parvulus</i> 2.6. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 4887-91	4.8	76
93	Naturally occurring 2-substituted (1,3)-beta-D-glucan producing <i>Lactobacillus suebicus</i> and <i>Pediococcus parvulus</i> strains with potential utility in the production of functional foods. <i>Bioresource Technology</i> , 2010 , 101, 9254-63	11	75
92	Comparative analysis of production and purification of homo- and hetero-polysaccharides produced by lactic acid bacteria. <i>Carbohydrate Polymers</i> , 2013 , 93, 57-64	10.3	71
91	Probiotic strains: survival under simulated gastrointestinal conditions, in vitro adhesion to Caco-2 cells and effect on cytokine secretion. <i>European Food Research and Technology</i> , 2008 , 227, 1475-1484	3.4	67
90	Dextrans produced by lactic acid bacteria exhibit antiviral and immunomodulatory activity against salmonid viruses. <i>Carbohydrate Polymers</i> , 2015 , 124, 292-301	10.3	66
89	Probiotic abilities of riboflavin-overproducing <i>Lactobacillus</i> strains: a novel promising application of probiotics. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 7569-81	5.7	64
88	Zebrafish gut colonization by mCherry-labelled lactic acid bacteria. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 3479-90	5.7	59
87	Selective advantage of deletions enhancing chloramphenicol acetyltransferase gene expression in <i>Streptococcus pneumoniae</i> plasmids. <i>Gene</i> , 1986 , 41, 153-63	3.8	57

86	Lactobacillus plantarum strains for multifunctional oat-based foods. <i>LWT - Food Science and Technology</i> , 2016 , 68, 288-294	5.4	54
85	Activation of the diacetyl/acetoin pathway in Lactococcus lactis subsp. lactis bv. diacetylactis CRL264 by acidic growth. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 1988-96	4.8	54
84	Contribution of citrate metabolism to the growth of Lactococcus lactis CRL264 at low pH. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 1136-44	4.8	48
83	Role of tyramine synthesis by food-borne Enterococcus durans in adaptation to the gastrointestinal tract environment. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 699-702	4.8	44
82	Plasmid structural instability associated with pC194 replication functions. <i>Journal of Bacteriology</i> , 1989 , 171, 2271-7	3.5	41
81	A cluster of four genes encoding enzymes for five steps in the folate biosynthetic pathway of Streptococcus pneumoniae. <i>Journal of Bacteriology</i> , 1995 , 177, 66-74	3.5	39
80	Rheology and bioactivity of high molecular weight dextrans synthesised by lactic acid bacteria. <i>Carbohydrate Polymers</i> , 2017 , 174, 646-657	10.3	38
79	Effect of pyruvate kinase overproduction on glucose metabolism of Lactococcus lactis. <i>Microbiology (United Kingdom)</i> , 2004 , 150, 1103-1111	2.9	37
78	Enhancement of 2-methylbutanal formation in cheese by using a fluorescently tagged Lacticin 3147 producing Lactococcus lactis strain. <i>International Journal of Food Microbiology</i> , 2004 , 93, 335-47	5.8	37
77	Citrate utilization gene cluster of the Lactococcus lactis biovar diacetylactis: organization and regulation of expression. <i>Molecular Genetics and Genomics</i> , 1995 , 246, 590-9		35
76	A bifunctional protein in the folate biosynthetic pathway of Streptococcus pneumoniae with dihydroneopterin aldolase and hydroxymethyl-dihydropterin pyrophosphokinase activities. <i>Journal of Bacteriology</i> , 1993 , 175, 2214-20	3.5	34
75	Immunomodulation of human macrophages and myeloid cells by 2-substituted (1-3)- β -D-glucan from P. parvulus 2.6. <i>Carbohydrate Polymers</i> , 2014 , 112, 109-13	10.3	32
74	Evaluation of yogurt and various beverages as carriers of lactic acid bacteria producing 2-branched (1,3)- β -D-glucan. <i>Journal of Dairy Science</i> , 2011 , 94, 3271-8	4	32
73	Physical structure and genetic expression of the sulfonamide-resistance plasmid pLS80 and its derivatives in Streptococcus pneumoniae and Bacillus subtilis. <i>Molecular Genetics and Genomics</i> , 1984 , 195, 403-10		31
72	Dextran production by Lactobacillus sakei MN1 coincides with reduced autoagglutination, biofilm formation and epithelial cell adhesion. <i>Carbohydrate Polymers</i> , 2017 , 168, 22-31	10.3	30
71	Fluorescent protein vectors for promoter analysis in lactic acid bacteria and Escherichia coli. <i>Applied Microbiology and Biotechnology</i> , 2012 , 96, 171-81	5.7	30
70	Construction of a tightly regulated plasmid vector for Streptococcus pneumoniae: controlled expression of the green fluorescent protein. <i>Plasmid</i> , 2000 , 43, 205-13	3.3	30
69	Transcriptional control of the citrate-inducible citMCDEFGRP operon, encoding genes involved in citrate fermentation in Leuconostoc paramesenteroides. <i>Journal of Bacteriology</i> , 2000 , 182, 3904-12	3.5	29

68	Comparative expression of the pC194 cat gene in <i>Streptococcus pneumoniae</i> , <i>Bacillus subtilis</i> and <i>Escherichia coli</i> . <i>Gene</i> , 1990 , 86, 71-9	3.8	29
67	Interspecific plasmid transfer between <i>Streptococcus pneumoniae</i> and <i>Bacillus subtilis</i> . <i>Molecular Genetics and Genomics</i> , 1982 , 188, 195-201		29
66	Heterologous expression of a position 2-substituted (1 \rightarrow 3)-beta-D-glucan in <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 2008 , 74, 5259-62	4.8	26
65	CitI, a transcription factor involved in regulation of citrate metabolism in lactic acid bacteria. <i>Journal of Bacteriology</i> , 2005 , 187, 5146-55	3.5	26
64	Cloning of a gene encoding a DNA polymerase-exonuclease of <i>Streptococcus pneumoniae</i> . <i>Gene</i> , 1986 , 44, 79-88	3.8	26
63	In Situ β -Glucan Fortification of Cereal-Based Matrices by <i>Pediococcus parvulus</i> 2.6: Technological Aspects and Prebiotic Potential. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	25
62	Comparative proteomic analysis of <i>Lactobacillus plantarum</i> WCFS1 and β tsR mutant strains under physiological and heat stress conditions. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 10680-96	6.3	25
61	Biogenic amine production by the wine <i>Lactobacillus brevis</i> IOEB 9809 in systems that partially mimic the gastrointestinal tract stress. <i>BMC Microbiology</i> , 2012 , 12, 247	4.5	24
60	The 5' to 3' exonuclease activity of DNA polymerase I is essential for <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , 1992 , 6, 3009-19	4.1	24
59	Probiotic properties and stress response of thermotolerant lactic acid bacteria isolated from cooked meat products. <i>LWT - Food Science and Technology</i> , 2018 , 91, 249-257	5.4	23
58	β -Glucan-Producing 2.6: Test of Probiotic and Immunomodulatory Properties in Zebrafish Models. <i>Frontiers in Microbiology</i> , 2018 , 9, 1684	5.7	23
57	DNA sequence of folate biosynthesis gene sulD, encoding hydroxymethyl-dihydropterin pyrophosphokinase in <i>Streptococcus pneumoniae</i> , and characterization of the enzyme. <i>Journal of Bacteriology</i> , 1990 , 172, 4766-74	3.5	23
56	Cloning and molecular characterization of the citrate utilization citMCDEFGRP cluster of <i>Leuconostoc paramesenteroides</i> . <i>FEMS Microbiology Letters</i> , 1999 , 174, 231-8	2.9	22
55	A bacteriocin gene cluster able to enhance plasmid maintenance in <i>Lactococcus lactis</i> . <i>Microbial Cell Factories</i> , 2014 , 13, 77	6.4	21
54	Conversion of pipercolic acid into lysine in <i>Penicillium chrysogenum</i> requires pipercolate oxidase and saccharopine reductase: characterization of the lys7 gene encoding saccharopine reductase. <i>Journal of Bacteriology</i> , 2001 , 183, 7165-72	3.5	20
53	Cloning and molecular characterization of the citrate utilization citMCDEFGRP cluster of <i>Leuconostoc paramesenteroides</i> . <i>FEMS Microbiology Letters</i> , 1999 , 174, 231-238	2.9	20
52	Multiple roles for DNA polymerase I in establishment and replication of the promiscuous plasmid pLS1. <i>Molecular Microbiology</i> , 1994 , 14, 773-83	4.1	20
51	Transfer and expression of recombinant plasmids carrying pneumococcal mal genes in <i>Bacillus subtilis</i> . <i>Gene</i> , 1984 , 28, 301-10	3.8	19

50	Processing of as-48ABC RNA in AS-48 enterocin production by <i>Enterococcus faecalis</i> . <i>Journal of Bacteriology</i> , 2008 , 190, 240-50	3.5	18
49	Real-Time Detection of Riboflavin Production by Strains and Tracking of Their Gastrointestinal Survival and Functionality and Using mCherry Labeling. <i>Frontiers in Microbiology</i> , 2019 , 10, 1748	5.7	17
48	Isolation and characterization of unsaturated fatty acid auxotrophs of <i>Streptococcus pneumoniae</i> and <i>Streptococcus mutans</i> . <i>Journal of Bacteriology</i> , 2007 , 189, 8139-44	3.5	17
47	Quantitative detection of <i>Streptococcus pneumoniae</i> cells harbouring single or multiple copies of the gene encoding the green fluorescent protein. <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 6), 1267-1273	2.9	17
46	The last gene of the <i>fla</i> / <i>che</i> operon in <i>Bacillus subtilis</i> , <i>ylxL</i> , is required for maximal sigmaD function. <i>Journal of Bacteriology</i> , 2004 , 186, 4025-9	3.5	16
45	Construction and validation of a mCherry protein vector for promoter analysis in <i>Lactobacillus acidophilus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015 , 42, 247-53	4.2	15
44	A real-time PCR assay for detection and quantification of 2-branched (1,3)-beta-D-glucan producing lactic acid bacteria in cider. <i>International Journal of Food Microbiology</i> , 2010 , 143, 26-31	5.8	15
43	Complementation of <i>Bacillus subtilis</i> <i>polA</i> mutants by DNA polymerase I from <i>Streptococcus pneumoniae</i> . <i>Molecular Genetics and Genomics</i> , 1987 , 210, 203-10		15
42	<i>Streptococcus pneumoniae</i> DNA polymerase I lacks 3' to 5' exonuclease activity: localization of the 5' to 3' exonucleolytic domain. <i>Journal of Bacteriology</i> , 1992 , 174, 2014-24	3.5	14
41	Characterization of dextrans produced by <i>Lactobacillus mali</i> CUPV271 and <i>Leuconostoc carnosum</i> CUPV411. <i>Food Hydrocolloids</i> , 2019 , 89, 613-622	10.6	14
40	A partial proteome reference map of the wine lactic acid bacterium <i>Oenococcus oeni</i> ATCC BAA-1163. <i>Open Biology</i> , 2014 , 4, 130154	7	13
39	Determinant role of <i>E. coli</i> RNase III in the decay of both specific and heterologous mRNAs. <i>FEMS Microbiology Letters</i> , 1997 , 157, 31-8	2.9	13
38	Expression of green fluorescent protein in <i>Lactococcus lactis</i> . <i>FEMS Microbiology Letters</i> , 2000 , 183, 229-234	2.4	13
37	The Response Regulator YycF Inhibits Expression of the Fatty Acid Biosynthesis Repressor FabT in <i>Streptococcus pneumoniae</i> . <i>Frontiers in Microbiology</i> , 2016 , 7, 1326	5.7	13
36	A specific immunological method to detect and quantify bacterial 2-substituted (1,3)-D-glucan. <i>Carbohydrate Polymers</i> , 2014 , 113, 39-45	10.3	11
35	Biochemical analysis of point mutations in the 5' to 3' exonuclease of DNA polymerase I of <i>Streptococcus pneumoniae</i> . Functional and structural implications. <i>Journal of Biological Chemistry</i> , 2001 , 276, 19172-81	5.4	11
34	<i>Streptococcus pneumoniae</i> <i>polA</i> gene is expressed in <i>Escherichia coli</i> and can functionally substitute for the <i>E. coli</i> <i>polA</i> gene. <i>Journal of Bacteriology</i> , 1987 , 169, 4869-71	3.5	11
33	Development of an inducible system to control and easily monitor gene expression in <i>Lactococcus lactis</i> . <i>Plasmid</i> , 2004 , 51, 256-64	3.3	10

32	The role of dextran production in the metabolic context of <i>Leuconostoc</i> and <i>Weissella</i> Tunisian strains. <i>Carbohydrate Polymers</i> , 2021 , 253, 117254	10.3	10
31	RNA processing is involved in the post-transcriptional control of the <i>citQRP</i> operon from <i>Lactococcus lactis</i> biovar <i>diacetylactis</i> . <i>Molecular Genetics and Genomics</i> , 1998 , 258, 9-15		9
30	The polymerase domain of <i>Streptococcus pneumoniae</i> DNA polymerase I. High expression, purification and characterization. <i>FEBS Journal</i> , 1991 , 201, 147-55		9
29	Dextranucrase Expression Is Concomitant with that of Replication and Maintenance Functions of the <i>pMN1</i> Plasmid in MN1. <i>Frontiers in Microbiology</i> , 2017 , 8, 2281	5.7	8
28	Purification and properties of the 5'3' exonuclease D190-->a mutant of DNA polymerase I from <i>Streptococcus pneumoniae</i> . <i>FEBS Journal</i> , 1998 , 252, 124-32		8
27	Homologous and heterologous expression of RNase III from <i>Lactococcus lactis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2004 , 323, 884-90	3.4	8
26	Different Modes of Regulation of the Expression of Dextranucrase in AV1n and MN1. <i>Frontiers in Microbiology</i> , 2019 , 10, 959	5.7	7
25	Controlling the formation of biogenic amines in fermented foods 2015 , 273-310		7
24	Functional and Nutritious Beverages Produced by Lactic Acid Bacteria 2019 , 419-465		7
23	Characterization of the Sorbitol Utilization Cluster of the Probiotic 2.6: Genetic, Functional and Complementation Studies in Heterologous Hosts. <i>Frontiers in Microbiology</i> , 2017 , 8, 2393	5.7	7
22	Analysis of technological and probiotic properties of Algerian <i>L. mesenteroides</i> strains isolated from dairy and non-dairy products. <i>Journal of Functional Foods</i> , 2018 , 49, 351-361	5.1	7
21	Disclosing diversity of exopolysaccharide-producing lactobacilli from Spanish natural ciders. <i>LWT - Food Science and Technology</i> , 2018 , 90, 469-474	5.4	6
20	Draft Genome Sequence of <i>Pediococcus parvulus</i> 2.6, a Probiotic β -Glucan Producer Strain. <i>Genome Announcements</i> , 2016 , 4,		5
19	Characterization of CUPV141: A β -glucan- and Heteropolysaccharide-Producing Bacterium. <i>Frontiers in Microbiology</i> , 2018 , 9, 2041	5.7	5
18	Purification and properties of the 5'3' exonuclease D10A mutant of DNA polymerase I from <i>Streptococcus pneumoniae</i> : a new tool for DNA sequencing. <i>Journal of Biotechnology</i> , 1998 , 63, 17-27	3.7	4
17	Heteropolysaccharide-producing bifidobacteria for the development of functional dairy products. <i>LWT - Food Science and Technology</i> , 2019 , 102, 295-303	5.4	4
16	Deoxyribonucleases of non-pathogenic corynebacteria. <i>FEMS Microbiology Letters</i> , 1987 , 44, 343-348	2.9	3
15	Evaluation of an 2-Substituted (1-3)- β -Glucan, Produced by 2.6, in Models of Crohn's Disease. <i>Frontiers in Microbiology</i> , 2021 , 12, 621280	5.7	3

14	Draft Genome Sequence of <i>Lactobacillus collinoides</i> CUPV237, an Exopolysaccharide and Riboflavin Producer Isolated from Cider. <i>Genome Announcements</i> , 2016 , 4,		2
13	Current and Future Applications of Bacterial Extracellular Polysaccharides 2016 , 329-344		2
12	A new tool for cloning and gene expression in <i>Streptococcus pneumoniae</i> . <i>Plasmid</i> , 2013 , 70, 247-53	3.3	2
11	Food Ingredients Synthesized by Lactic Acid Bacteria 2017 , 89-124		2
10	Biosynthesis, Purification and Biotechnological Use of Exopolysaccharides Produced by Lactic Acid Bacteria 2012 ,		2
9	Anti-Inflammatory Effect of an -2-Substituted (1-3)-D-Glucan Produced by 2.6 in a Caco-2 PMA-THP-1 Co-Culture Model.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	2
8	Phi W-14 DNA inhibits transfection of <i>Bacillus subtilis</i> by SPP1 DNA. <i>Journal of Virology</i> , 1981 , 37, 559-636.		2
7	The Ability of Riboflavin-Overproducing Strains to Survive Under Gastrointestinal Conditions. <i>Frontiers in Microbiology</i> , 2020 , 11, 591945	5.7	2
6	Selection of Riboflavin Overproducing Strains of Lactic Acid Bacteria and Riboflavin Direct Quantification by Fluorescence. <i>Methods in Molecular Biology</i> , 2021 , 2280, 3-14	1.4	2
5	Lactic Acid Bacteria Isolated from Fermented Doughs in Spain Produce Dextrans and Riboflavin. <i>Foods</i> , 2021 , 10,	4.9	2
4	Characterization of an insertion sequence-like element identified in plasmid pCIT264 from <i>Lactococcus lactis</i> subsp. <i>lactis</i> biovar <i>diacetylactis</i> . <i>FEMS Microbiology Letters</i> , 1996 , 136, 289-295	2.9	1
3	Influence of some antineoplastic agents on genetic exchange in <i>Bacillus subtilis</i> . <i>Chemotherapy</i> , 1980 , 26, 309-15	3.2	0
2	Intracellular effects of phage phi W-14 DNA on transformation of <i>Bacillus subtilis</i> . <i>Molecular Genetics and Genomics</i> , 1984 , 193, 85-91		
1	Influence of lectins and polyelectrolytes on transformation of <i>Bacillus subtilis</i> . <i>FEMS Microbiology Letters</i> , 1980 , 9, 315-319	2.9	