Gaspar Perez Martinez

List of Publications by Citations

103 papers	3,669 citations	38 h-index	56 g-index
108 ext. papers	4,192 ext. citations	4 avg, IF	5.14 L-index

#	Paper	IF	Citations
103	Microbial ecology and host-microbiota interactions during early life stages. *Gut Microbes*, **2012**, 3, 352-65	8.8	162
102	Lactocepin secreted by Lactobacillus exerts anti-inflammatory effects by selectively degrading proinflammatory chemokines. *Cell Host and Microbe*, **2012**, 11, 387-96	23.4	149
101	Complete genome sequence of the probiotic Lactobacillus casei strain BL23. *Journal of Bacteriology* , **2010**, 192, 2647-8	3.5	126
100	Evolution of arginine deiminase (ADI) pathway genes. *Molecular Phylogenetics and Evolution*, **2002**, 25, 429-44	4.1	109
99	Impact of Fishmeal Replacement in Diets for Gilthead Sea Bream (Sparus aurata) on the Gastrointestinal Microbiota Determined by Pyrosequencing the 16S rRNA Gene. *PLoS ONE*, **2015**, 10, e0136389	3.7	103
98	Structural and functional analysis of the gene cluster encoding the enzymes of the arginine deiminase pathway of Lactobacillus sake. *Journal of Bacteriology*, **1998**, 180, 4154-9	3.5	102
97	Factors influencing gastrointestinal tract and microbiota immune interaction in preterm infants. *Pediatric Research*, **2015**, 77, 726-31	3.2	91
96	Induction of systemic and mucosal immune response and decrease in Streptococcus pneumoniae colonization by nasal inoculation of mice with recombinant lactic acid bacteria expressing pneumococcal surface antigen A. *Microbes and Infection*, **2006**, 8, 1016-24	9.3	88
95	Catabolite repression in Lactobacillus casei ATCC 393 is mediated by CcpA. *Journal of Bacteriology*, **1997**, 179, 6657-64	3.5	80
94	Enzyme I and HPr from Lactobacillus casei: their role in sugar transport, carbon catabolite repression and inducer exclusion. *Molecular Microbiology*, **2000**, 36, 570-84	4.1	79
93	Relationships between arginine degradation, pH and survival in Lactobacillus sakei. *FEMS Microbiology Letters*, **1999**, 180, 297-304	2.9	78
92	Functional analysis of the p40 and p75 proteins from Lactobacillus casei BL23. *Journal of Molecular Microbiology and Biotechnology*, **2010**, 19, 231-41	0.9	77
91	Phosphorylation of HPr by the bifunctional HPr Kinase/P-ser-HPr phosphatase from Lactobacillus casei controls catabolite repression and inducer exclusion but not inducer expulsion. *Journal of Bacteriology*, **2000**, 182, 2582-90	3.5	77
90	Relationships between arginine degradation, pH and survival in Lactobacillus sakei. *FEMS Microbiology Letters*, **1999**, 180, 297-304	2.9	70
89	The Potential of Class II Bacteriocins to Modify Gut Microbiota to Improve Host Health. *PLoS ONE*, **2016**, 11, e0164036	3.7	68
88	Adhesion properties of Lactobacillus casei strains to resected intestinal fragments and components of the extracellular matrix. *Archives of Microbiology*, **2009**, 191, 153-61	3	61
87	Significant differences between Lactobacillus casei subsp. casei ATCC 393T and a commonly used plasmid-cured derivative revealed by a polyphasic study. *International Journal of Systematic and Evolutionary Microbiology*, **2003**, 53, 67-75	2.2	60

86	Biochemical tests for the selection ofStaphylococcusstrains as potential meat starter cultures. *Food Microbiology*, **1996**, 13, 227-236	6	59
85	Identification of a gene cluster enabling Lactobacillus casei BL23 to utilize myo-inositol. *Applied and Environmental Microbiology*, **2007**, 73, 3850-8	4.8	58
84	Integrative food-grade expression system based on the lactose regulon of Lactobacillus casei. *Applied and Environmental Microbiology*, **2000**, 66, 4822-8	4.8	57
83	Glucose transport by the phosphoenolpyruvate:mannose phosphotransferase system in Lactobacillus casei ATCC 393 and its role in carbon catabolite repression. *Microbiology (United Kingdom)*, **1994**, 140 (Pt 5), 1141-9	2.9	57
82	Production of human papillomavirus type 16 L1 virus-like particles by recombinant Lactobacillus casei cells. *Applied and Environmental Microbiology*, **2006**, 72, 745-52	4.8	56
81	Understanding gut microbiota in elderly's health will enable intervention through probiotics. *Beneficial Microbes*, **2014**, 5, 235-46	4.9	51
80	Genetics of L-sorbose transport and metabolism in Lactobacillus casei. *Journal of Bacteriology*, **2000** , 182, 155-63	3.5	51
79	Horizontal gene transfer in the molecular evolution of mannose PTS transporters. *Molecular Biology and Evolution*, **2005**, 22, 1673-85	8.3	49
78	Perspectives of engineering lactic acid bacteria for biotechnological polyol production. *Applied Microbiology and Biotechnology*, **2010**, 86, 1003-15	5.7	47
77	Elements involved in catabolite repression and substrate induction of the lactose operon in Lactobacillus casei. *Journal of Bacteriology*, **1999**, 181, 3928-34	3.5	47
76	The Product of arcR, the sixth gene of the arc operon of Lactobacillus sakei, is essential for expression of the arginine deiminase pathway. *Applied and Environmental Microbiology*, **2002**, 68, 6051-8	4.8	45
75	Effect of bile acid on the cell membrane functionality of lactic acid bacteria for oral administration. *Research in Microbiology*, **2006**, 157, 720-5	4	43
74	Characterization of a fibronectin-binding protein from Lactobacillus casei BL23. *Journal of Applied Microbiology*, **2010**, 108, 1050-1059	4.7	42
73	Establishing a model to study the regulation of the lactose operon in Lactobacillus casei. *FEMS Microbiology Letters*, **1997**, 148, 83-9	2.9	42
72	Changes in cecal microbiota and mucosal gene expression revealed new aspects of epizootic rabbit enteropathy. *PLoS ONE*, **2014**, 9, e105707	3.7	40
71	A fast method for monitoring the colonization rate of lactobacilli in a meat model system. *Journal of Applied Microbiology*, **1999**, 87, 49-61	4.7	40
70	Diacetyl and acetoin production from whey permeate using engineered Lactobacillus casei. *Journal of Industrial Microbiology and Biotechnology*, **2009**, 36, 1233-7	4.2	39
69	Dietary supplementation with sorbitol results in selective enrichment of lactobacilli in rat intestine. *Research in Microbiology*, **2007**, 158, 694-701	4	39

68	Genome-wide expression profiles in very low birth weight infants with neonatal sepsis. *Pediatrics*, **2014**, 133, e1203-11	7.4	38
67	Characterization of faecal enterococci from rabbits for the selection of probiotic strains. *Journal of Applied Microbiology*, **2004**, 96, 761-71	4.7	38
66	Protein export elements from Lactococcus lactis. *Molecular Genetics and Genomics*, **1992**, 234, 401-11		38
65	Construction of compatible wide-host-range shuttle vectors for lactic acid bacteria and Escherichia coli. *Plasmid*, **2001**, 46, 106-16	3.3	37
64	Sorbitol production from lactose by engineered Lactobacillus casei deficient in sorbitol transport system and mannitol-1-phosphate dehydrogenase. *Applied Microbiology and Biotechnology*, **2010**, 85, 1915-22	5.7	35
63	Characterization of Lactobacillus from Algerian Goat'S Milk Based on Phenotypic, 16S rDNA Sequencing and their Technological Properties. *Brazilian Journal of Microbiology*, **2011**, 42, 158-71	2.2	33
62	Sorbitol synthesis by an engineered Lactobacillus casei strain expressing a sorbitol-6-phosphate dehydrogenase gene within the lactose operon. *FEMS Microbiology Letters*, **2005**, 249, 177-83	2.9	33
61	Sepsis in preterm infants causes alterations in mucosal gene expression and microbiota profiles compared to non-septic twins. *Scientific Reports*, **2016**, 6, 25497	4.9	32
60	Noroviral p-particles as an in vitro model to assess the interactions of noroviruses with probiotics. *PLoS ONE*, **2014**, 9, e89586	3.7	31
59	Monitoring of lactic acid fermentation in culture broth using ultrasonic velocity. *Journal of Food Engineering*, **2007**, 78, 1083-1091	6	30
58	Optimization of the green fluorescent protein (GFP) expression from a lactose-inducible promoter in Lactobacillus casei. *FEMS Microbiology Letters*, **2003**, 222, 123-7	2.9	29
57	Lactobacillus paracasei and Lactobacillus plantarum strains downregulate proinflammatory genes in an ex vivo system of cultured human colonic mucosa. *Genes and Nutrition*, **2013**, 8, 165-80	4.3	28
56	Molecular analysis of the glucose-specific phosphoenolpyruvate : sugar phosphotransferase system from Lactobacillus casei and its links with the control of sugar metabolism. *Microbiology (United Kingdom)*, **2006**, 152, 95-104	2.9	28
55	Expression of Streptococcus pneumoniae antigens, PsaA (pneumococcal surface antigen A) and PspA (pneumococcal surface protein A) by Lactobacillus casei. *FEMS Microbiology Letters*, **2003**, 227, 25-31	2.9	28
54	Long-term feeding with high plant protein based diets in gilthead seabream (Sparus aurata, L.) leads to changes in the inflammatory and immune related gene expression at intestinal level. *BMC Veterinary Research*, **2018**, 14, 302	2.7	28
53	Effect of probiotics in prevention of atopic dermatitis is dependent on the intrinsic microbiota at early infancy. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 1399-1402.e8	11.5	27
52	Pleiotropic effects of lactate dehydrogenase inactivation in Lactobacillus casei. *Research in Microbiology*, **2005**, 156, 641-9	4	27
51	Resembling breast milk: influence of polyamine-supplemented formula on neonatal BALB/cOlaHsd mouse microbiota. *British Journal of Nutrition*, **2014**, 111, 1050-8	3.6	25

50	Cross-talk between the L-sorbose and D-sorbitol (D-glucitol) metabolic pathways in Lactobacillus casei. *Microbiology (United Kingdom)*, **2002**, 148, 2351-2359	2.9	25
49	Characterization of a novel Lactobacillus species closely related to Lactobacillus johnsonii using a combination of molecular and comparative genomics methods. *BMC Genomics*, **2010**, 11, 504	4.5	23
48	Regulation of Lactobacillus casei sorbitol utilization genes requires DNA-binding transcriptional activator GutR and the conserved protein GutM. *Applied and Environmental Microbiology*, **2008**, 74, 5731-40	4.8	22
47	Analysis of ldh genes in Lactobacillus casei BL23: role on lactic acid production. *Journal of Industrial Microbiology and Biotechnology*, **2008**, 35, 579-86	4.2	22
46	Expression of an endoglucanase gene fromClostridium cellulolyticum inEscherichia coli. *Journal of Industrial Microbiology*, **1988**, 3, 365-371		22
45	Identification of Surface Proteins from Lactobacillus casei BL23 Able to Bind Fibronectin and Collagen. *Probiotics and Antimicrobial Proteins*, **2011**, 3, 15-20	5.5	21
44	The glycolytic genes pfk and pyk from Lactobacillus casei are induced by sugars transported by the phosphoenolpyruvate:sugar phosphotransferase system and repressed by CcpA. *Archives of Microbiology*, **2005**, 183, 385-93	3	21
43	Peptide and amino acid metabolism is controlled by an OmpR-family response regulator in Lactobacillus casei. *Molecular Microbiology*, **2016**, 100, 25-41	4.1	18
42	Lactobacillus curvatus has a glucose transport system homologous to the mannose family of phosphoenolpyruvate-dependent phosphotransferase systems. *Microbiology (United Kingdom)*, **1996**, 142 (Pt 12), 3469-77	2.9	17
41	An esterase gene from Lactobacillus casei cotranscribed with genes encoding a phosphoenolpyruvate:sugar phosphotransferase system and regulated by a LevR-like activator and sigma54 factor. *Journal of Molecular Microbiology and Biotechnology*, **2004**, 8, 117-28	0.9	16
40	Phosphoenolpyruvate phosphotransferase system and N-acetylglucosamine metabolism in Bacillus sphaericus. *Microbiology (United Kingdom)*, **2003**, 149, 1687-1698	2.9	16
39	Untargeted metabolomics of fresh and heat treatment Tiger nut (Cyperus esculentus L.) milks reveals further insight into food quality and nutrition. *Journal of Chromatography A*, **2017**, 1514, 80-87	4.5	15
38	In vivo effect of mutations in the antiterminator LacT in Lactobacillus casei. *Microbiology (United Kingdom)*, **2002**, 148, 695-702	2.9	14
37	Lactic Acid Bacteria Isolated From Korean Kimchi Activate the Vitamin D Receptor-autophagy Signaling Pathways. *Inflammatory Bowel Diseases*, **2020**, 26, 1199-1211	4.5	13
36	The lactose operon from Lactobacillus casei is involved in the transport and metabolism of the human milk oligosaccharide core-2 N-acetyllactosamine. *Scientific Reports*, **2018**, 8, 7152	4.9	13
35	Use of lac regulatory elements for gene expression in Lactobacillus casei. *Dairy Science and Technology*, **2001**, 81, 29-35		12
34	Polyamine supplementation in infant formula: Influence on lymphocyte populations and immune system-related gene expression in a Balb/cOlaHsd mouse model. *Food Research International*, **2014**, 59, 8-15	7	11
33	Haemagglutination induced by Bordetella pertussis filamentous haemagglutinin adhesin (FHA) is inhibited by antibodies produced against FHA(430-873) fragment expressed in Lactobacillus casei. *Current Microbiology*, **2006**, 53, 462-6	2.4	11

32	Complementation of a Delta ccpA mutant of Lactobacillus casei with CcpA mutants affected in the DNA- and cofactor-binding domains. *Microbiology (United Kingdom)*, **2004**, 150, 613-620	2.9	11
31	Single-chain variable fragment (scFv) antibodies against rotavirus NSP4 enterotoxin generated by phage display. *Journal of Virological Methods*, **2004**, 121, 231-8	2.6	11
30	Lactobacillus casei extracellular vesicles stimulate EGFR pathway likely due to the presence of proteins P40 and P75 bound to their surface. *Scientific Reports*, **2020**, 10, 19237	4.9	10
29	P40 and P75 Are Singular Functional Muramidases Present in the Taxon. *Frontiers in Microbiology*, **2019**, 10, 1420	5.7	10
28	Defining microbiota for developing new probiotics. *Microbial Ecology in Health and Disease*, **2012**, 23,		10
27	Selection of single-chain antibodies against the VP8* subunit of rotavirus VP4 outer capsid protein and their expression in Lactobacillus casei. *Applied and Environmental Microbiology*, **2004**, 70, 6936-9	4.8	10
26	Secretion of the rotavirus VP8* protein in Lactococcus lactis. *FEMS Microbiology Letters*, **2001**, 203, 269-74	2.9	10
25	Evidence of a glucose proton motive force-dependent permease and a fructose phosphoenolpyruvate:phosphotransferase transport system in Lactobacillus reuteri CRL 1098. *FEMS Microbiology Letters*, **1999**, 181, 109-12	2.9	10
24	Fractional factorial design and multiple linear regression to optimise extraction of volatiles from a Lactobacillus plantarum bacterial suspension using purge and trap. *Journal of Chromatography A*, **1997**, 775, 225-230	4.5	9
23	Existence of a true phosphofructokinase in Bacillus sphaericus: cloning and sequencing of the pfk gene. *Applied and Environmental Microbiology*, **2002**, 68, 6410-5	4.8	8
22	Experimental support for multidrug resistance transfer potential in the preterm infant gut microbiota. *Pediatric Research*, **2020**, 88, 57-65	3.2	8
21	Oral immunization of mice with Lactococcus lactis expressing the rotavirus VP8* protein. *Biotechnology Letters*, **2011**, 33, 1169-75	3	7
20	Screening and construction of probiotic strains with enhanced protective properties against intestinal disorders. *Microbial Ecology in Health and Disease*, **2004**, 16, 86-95		7
19	Cross communication between components of carbon catabolite repression of Lactobacillus casei and Bacillus megaterium. *Journal of Molecular Microbiology and Biotechnology*, **2002**, 4, 489-94	0.9	7
18	Differences in the expression of cell envelope proteinases (CEP) in two Lactobacillus paracasei probiotic strains. *FEMS Microbiology Letters*, **2020**, 367,	2.9	4
17	Lactococcus lactis as a vehicle for the heterologous expression of fungal ribotoxin variants with reduced IgE-binding affinity. *Journal of Biotechnology*, **2008**, 134, 1-8	3.7	4
16	Structural features of the lac promoter affecting gusA expression in Lactobacillus casei. *Current Microbiology*, **2002**, 45, 191-6	2.4	4
15	Production of cephalosporin C, and its intermediates, by raised-titre strains of Acremonium chrysogenum. *Enzyme and Microbial Technology*, **1985**, 7, 389-394	3.8	4

14	Intestinal Explant Cultures from Gilthead Seabream (Allowed the Determination of Mucosal Sensitivity to Bacterial Pathogens and the Impact of a Plant Protein Diet. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
13	Further studies on the genetics ofCephalosporium acremonium using protoplast fusion methods. *Journal of Industrial Microbiology*, **1987**, 1, 283-294		3
12	Ultrasonically-Assisted and Conventional Extraction from Roots Using Ethanol:Water Mixtures: Phenolic Characterization, Antioxidant, and Anti-Inflammatory Activities. *Molecules*, **2020**, 25,	4.8	2
11	Current and Future Applications of Probiotics. *Current Nutrition and Food Science*, **2011**, 7, 170-180	0.7	2
10	Ultrasonic velocity measurements in the ternary mixtures water-lactose-lactate, for the purpose of monitoring the lactic acid fermentation of lactose		2
9	Two alkaline motifs in the Lactobacillus salivarius Lv72 OppA surface are important to its adhesin function. *Beneficial Microbes*, **2019**, 10, 101-109	4.9	2
8	A Method to Assess Bacteriocin Effects on the Gut Microbiota of Mice. *Journal of Visualized Experiments*, **2017**,	1.6	1
7	Suppression of the ptsH mutation in Escherichia coli and Salmonella typhimurium by a DNA fragment from Lactobacillus casei. *Journal of Bacteriology*, **1998**, 180, 5247-50	3.5	1
6	Gut Microbiota, a Key Factor Relating Diet and Inflammation with the Progression of Cognitive Impairment in Older People. *Journal of Nutritional Health & Food Engineering*, **2017**, 6,		1
5	Secretion of the rotavirus VP8* protein inLactococcus lactis. *FEMS Microbiology Letters*, **2001**, 203, 267-274	2.9	
4	Gut Microbiota in Elderly's Health **2019**, 2607-2638		
3	Gut Microbiota in Elderly's Health **2018**, 1-32		
2	Probiotics, Prebiotics, Synbiotics, Postbiotics and Other Biotics. What's Next? **2021**, 197-197		
1	Factors Affecting Spontaneous Endocytosis and Survival of Probiotic Lactobacilli in Human Intestinal Epithelial Cells. *Microorganisms*, **2022**, 10, 1142	4.9	