

# Gaspar Perez Martinez

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Factors Affecting Spontaneous Endocytosis and Survival of Probiotic Lactobacilli in Human Intestinal Epithelial Cells. <i>Microorganisms</i> , <b>2022</b> , 10, 1142	4.9	
102	Probiotics, Prebiotics, Synbiotics, Postbiotics and Other Biotics. What's Next? <b>2021</b> , 197-197		
101	Lactobacillus casei extracellular vesicles stimulate EGFR pathway likely due to the presence of proteins P40 and P75 bound to their surface. <i>Scientific Reports</i> , <b>2020</b> , 10, 19237	4.9	10
100	Intestinal Explant Cultures from Gilthead Seabream ( Allowed the Determination of Mucosal Sensitivity to Bacterial Pathogens and the Impact of a Plant Protein Diet. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
99	Lactic Acid Bacteria Isolated From Korean Kimchi Activate the Vitamin D Receptor-autophagy Signaling Pathways. <i>Inflammatory Bowel Diseases</i> , <b>2020</b> , 26, 1199-1211	4.5	13
98	Differences in the expression of cell envelope proteinases (CEP) in two Lactobacillus paracasei probiotic strains. <i>FEMS Microbiology Letters</i> , <b>2020</b> , 367,	2.9	4
97	Ultrasonically-Assisted and Conventional Extraction from Roots Using Ethanol:Water Mixtures: Phenolic Characterization, Antioxidant, and Anti-Inflammatory Activities. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
96	Experimental support for multidrug resistance transfer potential in the preterm infant gut microbiota. <i>Pediatric Research</i> , <b>2020</b> , 88, 57-65	3.2	8
95	P40 and P75 Are Singular Functional Muramidases Present in the Taxon. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1420	5.7	10
94	Gut Microbiota in Elderly Health <b>2019</b> , 2607-2638		
93	Two alkaline motifs in the Lactobacillus salivarius Lv72 OppA surface are important to its adhesin function. <i>Beneficial Microbes</i> , <b>2019</b> , 10, 101-109	4.9	2
92	The lactose operon from Lactobacillus casei is involved in the transport and metabolism of the human milk oligosaccharide core-2 N-acetyllactosamine. <i>Scientific Reports</i> , <b>2018</b> , 8, 7152	4.9	13
91	Gut Microbiota in Elderly Health <b>2018</b> , 1-32		
90	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. <i>BMC Veterinary Research</i> , <b>2018</b> , 14, 302	2.7	28
89	Effect of probiotics in prevention of atopic dermatitis is dependent on the intrinsic microbiota at early infancy. <i>Journal of Allergy and Clinical Immunology</i> , <b>2017</b> , 139, 1399-1402.e8	11.5	27
88	Untargeted metabolomics of fresh and heat treatment Tiger nut (Cyperus esculentus L.) milks reveals further insight into food quality and nutrition. <i>Journal of Chromatography A</i> , <b>2017</b> , 1514, 80-87	4.5	15
87	A Method to Assess Bacteriocin Effects on the Gut Microbiota of Mice. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	1

86	Gut Microbiota, a Key Factor Relating Diet and Inflammation with the Progression of Cognitive Impairment in Older People. <i>Journal of Nutritional Health &amp; Food Engineering</i> , <b>2017</b> , 6,		1
85	Peptide and amino acid metabolism is controlled by an OmpR-family response regulator in <i>Lactobacillus casei</i> . <i>Molecular Microbiology</i> , <b>2016</b> , 100, 25-41	4.1	18
84	The Potential of Class II Bacteriocins to Modify Gut Microbiota to Improve Host Health. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164036	3.7	68
83	Sepsis in preterm infants causes alterations in mucosal gene expression and microbiota profiles compared to non-septic twins. <i>Scientific Reports</i> , <b>2016</b> , 6, 25497	4.9	32
82	Factors influencing gastrointestinal tract and microbiota immune interaction in preterm infants. <i>Pediatric Research</i> , <b>2015</b> , 77, 726-31	3.2	91
81	Impact of Fishmeal Replacement in Diets for Gilthead Sea Bream ( <i>Sparus aurata</i> ) on the Gastrointestinal Microbiota Determined by Pyrosequencing the 16S rRNA Gene. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136389	3.7	103
80	Understanding gut microbiota in elderly's health will enable intervention through probiotics. <i>Beneficial Microbes</i> , <b>2014</b> , 5, 235-46	4.9	51
79	Genome-wide expression profiles in very low birth weight infants with neonatal sepsis. <i>Pediatrics</i> , <b>2014</b> , 133, e1203-11	7.4	38
78	Noroviral p-particles as an in vitro model to assess the interactions of noroviruses with probiotics. <i>PLoS ONE</i> , <b>2014</b> , 9, e89586	3.7	31
77	Changes in cecal microbiota and mucosal gene expression revealed new aspects of epizootic rabbit enteropathy. <i>PLoS ONE</i> , <b>2014</b> , 9, e105707	3.7	40
76	Resembling breast milk: influence of polyamine-supplemented formula on neonatal BALB/cOlaHsd mouse microbiota. <i>British Journal of Nutrition</i> , <b>2014</b> , 111, 1050-8	3.6	25
75	Polyamine supplementation in infant formula: Influence on lymphocyte populations and immune system-related gene expression in a Balb/cOlaHsd mouse model. <i>Food Research International</i> , <b>2014</b> , 59, 8-15	7	11
74	<i>Lactobacillus paracasei</i> and <i>Lactobacillus plantarum</i> strains downregulate proinflammatory genes in an ex vivo system of cultured human colonic mucosa. <i>Genes and Nutrition</i> , <b>2013</b> , 8, 165-80	4.3	28
73	Lactocepin secreted by <i>Lactobacillus</i> exerts anti-inflammatory effects by selectively degrading proinflammatory chemokines. <i>Cell Host and Microbe</i> , <b>2012</b> , 11, 387-96	23.4	149
72	Microbial ecology and host-microbiota interactions during early life stages. <i>Gut Microbes</i> , <b>2012</b> , 3, 352-63.	5.8	162
71	Defining microbiota for developing new probiotics. <i>Microbial Ecology in Health and Disease</i> , <b>2012</b> , 23,		10
70	Characterization of <i>Lactobacillus</i> from Algerian Goat'S Milk Based on Phenotypic, 16S rDNA Sequencing and their Technological Properties. <i>Brazilian Journal of Microbiology</i> , <b>2011</b> , 42, 158-71	2.2	33
69	Current and Future Applications of Probiotics. <i>Current Nutrition and Food Science</i> , <b>2011</b> , 7, 170-180	0.7	2

68	Oral immunization of mice with <i>Lactococcus lactis</i> expressing the rotavirus VP8* protein. <i>Biotechnology Letters</i> , <b>2011</b> , 33, 1169-75	3	7
67	Identification of Surface Proteins from <i>Lactobacillus casei</i> BL23 Able to Bind Fibronectin and Collagen. <i>Probiotics and Antimicrobial Proteins</i> , <b>2011</b> , 3, 15-20	5.5	21
66	Characterization of a fibronectin-binding protein from <i>Lactobacillus casei</i> BL23. <i>Journal of Applied Microbiology</i> , <b>2010</b> , 108, 1050-1059	4.7	42
65	Functional analysis of the p40 and p75 proteins from <i>Lactobacillus casei</i> BL23. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2010</b> , 19, 231-41	0.9	77
64	Complete genome sequence of the probiotic <i>Lactobacillus casei</i> strain BL23. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 2647-8	3.5	126
63	Sorbitol production from lactose by engineered <i>Lactobacillus casei</i> deficient in sorbitol transport system and mannitol-1-phosphate dehydrogenase. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 85, 1915-22	5.7	35
62	Perspectives of engineering lactic acid bacteria for biotechnological polyol production. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 86, 1003-15	5.7	47
61	Characterization of a novel <i>Lactobacillus</i> species closely related to <i>Lactobacillus johnsonii</i> using a combination of molecular and comparative genomics methods. <i>BMC Genomics</i> , <b>2010</b> , 11, 504	4.5	23
60	Diacetyl and acetoin production from whey permeate using engineered <i>Lactobacillus casei</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2009</b> , 36, 1233-7	4.2	39
59	Adhesion properties of <i>Lactobacillus casei</i> strains to resected intestinal fragments and components of the extracellular matrix. <i>Archives of Microbiology</i> , <b>2009</b> , 191, 153-61	3	61
58	<i>Lactococcus lactis</i> as a vehicle for the heterologous expression of fungal ribotoxin variants with reduced IgE-binding affinity. <i>Journal of Biotechnology</i> , <b>2008</b> , 134, 1-8	3.7	4
57	Regulation of <i>Lactobacillus casei</i> sorbitol utilization genes requires DNA-binding transcriptional activator GutR and the conserved protein GutM. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 5731-40	4.8	22
56	Analysis of <i>ldh</i> genes in <i>Lactobacillus casei</i> BL23: role on lactic acid production. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2008</b> , 35, 579-86	4.2	22
55	Monitoring of lactic acid fermentation in culture broth using ultrasonic velocity. <i>Journal of Food Engineering</i> , <b>2007</b> , 78, 1083-1091	6	30
54	Identification of a gene cluster enabling <i>Lactobacillus casei</i> BL23 to utilize myo-inositol. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 3850-8	4.8	58
53	Dietary supplementation with sorbitol results in selective enrichment of lactobacilli in rat intestine. <i>Research in Microbiology</i> , <b>2007</b> , 158, 694-701	4	39
52	Haemagglutination induced by <i>Bordetella pertussis</i> filamentous haemagglutinin adhesin (FHA) is inhibited by antibodies produced against FHA(430-873) fragment expressed in <i>Lactobacillus casei</i> . <i>Current Microbiology</i> , <b>2006</b> , 53, 462-6	2.4	11
51	Induction of systemic and mucosal immune response and decrease in <i>Streptococcus pneumoniae</i> colonization by nasal inoculation of mice with recombinant lactic acid bacteria expressing pneumococcal surface antigen A. <i>Microbes and Infection</i> , <b>2006</b> , 8, 1016-24	9.3	88

50	Molecular analysis of the glucose-specific phosphoenolpyruvate : sugar phosphotransferase system from <i>Lactobacillus casei</i> and its links with the control of sugar metabolism. <i>Microbiology (United Kingdom)</i> , <b>2006</b> , 152, 95-104	2.9	28
49	Production of human papillomavirus type 16 L1 virus-like particles by recombinant <i>Lactobacillus casei</i> cells. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 745-52	4.8	56
48	Effect of bile acid on the cell membrane functionality of lactic acid bacteria for oral administration. <i>Research in Microbiology</i> , <b>2006</b> , 157, 720-5	4	43
47	Pleiotropic effects of lactate dehydrogenase inactivation in <i>Lactobacillus casei</i> . <i>Research in Microbiology</i> , <b>2005</b> , 156, 641-9	4	27
46	Sorbitol synthesis by an engineered <i>Lactobacillus casei</i> strain expressing a sorbitol-6-phosphate dehydrogenase gene within the lactose operon. <i>FEMS Microbiology Letters</i> , <b>2005</b> , 249, 177-83	2.9	33
45	The glycolytic genes <i>pfk</i> and <i>pyk</i> from <i>Lactobacillus casei</i> are induced by sugars transported by the phosphoenolpyruvate:sugar phosphotransferase system and repressed by CcpA. <i>Archives of Microbiology</i> , <b>2005</b> , 183, 385-93	3	21
44	Horizontal gene transfer in the molecular evolution of mannose PTS transporters. <i>Molecular Biology and Evolution</i> , <b>2005</b> , 22, 1673-85	8.3	49
43	Screening and construction of probiotic strains with enhanced protective properties against intestinal disorders. <i>Microbial Ecology in Health and Disease</i> , <b>2004</b> , 16, 86-95		7
42	Complementation of a Delta <i>ccpA</i> mutant of <i>Lactobacillus casei</i> with CcpA mutants affected in the DNA- and cofactor-binding domains. <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 613-620	2.9	11
41	An esterase gene from <i>Lactobacillus casei</i> cotranscribed with genes encoding a phosphoenolpyruvate:sugar phosphotransferase system and regulated by a LevR-like activator and sigma54 factor. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2004</b> , 8, 117-28	0.9	16
40	Selection of single-chain antibodies against the VP8* subunit of rotavirus VP4 outer capsid protein and their expression in <i>Lactobacillus casei</i> . <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 6936-9	4.8	10
39	Characterization of faecal enterococci from rabbits for the selection of probiotic strains. <i>Journal of Applied Microbiology</i> , <b>2004</b> , 96, 761-71	4.7	38
38	Single-chain variable fragment (scFv) antibodies against rotavirus NSP4 enterotoxin generated by phage display. <i>Journal of Virological Methods</i> , <b>2004</b> , 121, 231-8	2.6	11
37	Significant differences between <i>Lactobacillus casei</i> subsp. <i>casei</i> ATCC 393T and a commonly used plasmid-cured derivative revealed by a polyphasic study. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2003</b> , 53, 67-75	2.2	60
36	Optimization of the green fluorescent protein (GFP) expression from a lactose-inducible promoter in <i>Lactobacillus casei</i> . <i>FEMS Microbiology Letters</i> , <b>2003</b> , 222, 123-7	2.9	29
35	Expression of <i>Streptococcus pneumoniae</i> antigens, PsaA (pneumococcal surface antigen A) and PspA (pneumococcal surface protein A) by <i>Lactobacillus casei</i> . <i>FEMS Microbiology Letters</i> , <b>2003</b> , 227, 25-31	2.9	28
34	Phosphoenolpyruvate phosphotransferase system and N-acetylglucosamine metabolism in <i>Bacillus sphaericus</i> . <i>Microbiology (United Kingdom)</i> , <b>2003</b> , 149, 1687-1698	2.9	16
33	Structural features of the <i>lac</i> promoter affecting <i>gusA</i> expression in <i>Lactobacillus casei</i> . <i>Current Microbiology</i> , <b>2002</b> , 45, 191-6	2.4	4

32	Evolution of arginine deiminase (ADI) pathway genes. <i>Molecular Phylogenetics and Evolution</i> , <b>2002</b> , 25, 429-44	4.1	109
31	Cross-talk between the L-sorbose and D-sorbitol (D-glucitol) metabolic pathways in <i>Lactobacillus casei</i> . <i>Microbiology (United Kingdom)</i> , <b>2002</b> , 148, 2351-2359	2.9	25
30	The Product of <i>arcR</i> , the sixth gene of the <i>arc</i> operon of <i>Lactobacillus sakei</i> , is essential for expression of the arginine deiminase pathway. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 6051-84	4.8	45
29	Existence of a true phosphofructokinase in <i>Bacillus sphaericus</i> : cloning and sequencing of the <i>pfk</i> gene. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 6410-5	4.8	8
28	In vivo effect of mutations in the antiterminator <i>LacT</i> in <i>Lactobacillus casei</i> . <i>Microbiology (United Kingdom)</i> , <b>2002</b> , 148, 695-702	2.9	14
27	Cross communication between components of carbon catabolite repression of <i>Lactobacillus casei</i> and <i>Bacillus megaterium</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2002</b> , 4, 489-94	0.9	7
26	Construction of compatible wide-host-range shuttle vectors for lactic acid bacteria and <i>Escherichia coli</i> . <i>Plasmid</i> , <b>2001</b> , 46, 106-16	3.3	37
25	Secretion of the rotavirus VP8* protein in <i>Lactococcus lactis</i> . <i>FEMS Microbiology Letters</i> , <b>2001</b> , 203, 267-274	2.4	9
24	Secretion of the rotavirus VP8* protein in <i>Lactococcus lactis</i> . <i>FEMS Microbiology Letters</i> , <b>2001</b> , 203, 269-279	2.4	10
23	Use of <i>lac</i> regulatory elements for gene expression in <i>Lactobacillus casei</i> . <i>Dairy Science and Technology</i> , <b>2001</b> , 81, 29-35		12
22	Enzyme I and HPr from <i>Lactobacillus casei</i> : their role in sugar transport, carbon catabolite repression and inducer exclusion. <i>Molecular Microbiology</i> , <b>2000</b> , 36, 570-84	4.1	79
21	Phosphorylation of HPr by the bifunctional HPr Kinase/P-ser-HPr phosphatase from <i>Lactobacillus casei</i> controls catabolite repression and inducer exclusion but not inducer expulsion. <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 2582-90	3.5	77
20	Genetics of L-sorbose transport and metabolism in <i>Lactobacillus casei</i> . <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 155-63	3.5	51
19	Integrative food-grade expression system based on the lactose regulon of <i>Lactobacillus casei</i> . <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 4822-8	4.8	57
18	A fast method for monitoring the colonization rate of lactobacilli in a meat model system. <i>Journal of Applied Microbiology</i> , <b>1999</b> , 87, 49-61	4.7	40
17	Relationships between arginine degradation, pH and survival in <i>Lactobacillus sakei</i> . <i>FEMS Microbiology Letters</i> , <b>1999</b> , 180, 297-304	2.9	78
16	Evidence of a glucose proton motive force-dependent permease and a fructose phosphoenolpyruvate:phosphotransferase transport system in <i>Lactobacillus reuteri</i> CRL 1098. <i>FEMS Microbiology Letters</i> , <b>1999</b> , 181, 109-12	2.9	10
15	Relationships between arginine degradation, pH and survival in <i>Lactobacillus sakei</i> . <i>FEMS Microbiology Letters</i> , <b>1999</b> , 180, 297-304	2.9	70

14	Elements involved in catabolite repression and substrate induction of the lactose operon in <i>Lactobacillus casei</i> . <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 3928-34	3.5	47
13	Structural and functional analysis of the gene cluster encoding the enzymes of the arginine deiminase pathway of <i>Lactobacillus sake</i> . <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 4154-9	3.5	102
12	Suppression of the ptsH mutation in <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> by a DNA fragment from <i>Lactobacillus casei</i> . <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 5247-50	3.5	1
11	Catabolite repression in <i>Lactobacillus casei</i> ATCC 393 is mediated by CcpA. <i>Journal of Bacteriology</i> , <b>1997</b> , 179, 6657-64	3.5	80
10	Fractional factorial design and multiple linear regression to optimise extraction of volatiles from a <i>Lactobacillus plantarum</i> bacterial suspension using purge and trap. <i>Journal of Chromatography A</i> , <b>1997</b> , 775, 225-230	4.5	9
9	Establishing a model to study the regulation of the lactose operon in <i>Lactobacillus casei</i> . <i>FEMS Microbiology Letters</i> , <b>1997</b> , 148, 83-9	2.9	42
8	<i>Lactobacillus curvatus</i> has a glucose transport system homologous to the mannose family of phosphoenolpyruvate-dependent phosphotransferase systems. <i>Microbiology (United Kingdom)</i> , <b>1996</b> , 142 ( Pt 12), 3469-77	2.9	17
7	Biochemical tests for the selection of <i>Staphylococcus</i> strains as potential meat starter cultures. <i>Food Microbiology</i> , <b>1996</b> , 13, 227-236	6	59
6	Glucose transport by the phosphoenolpyruvate:mannose phosphotransferase system in <i>Lactobacillus casei</i> ATCC 393 and its role in carbon catabolite repression. <i>Microbiology (United Kingdom)</i> , <b>1994</b> , 140 ( Pt 5), 1141-9	2.9	57
5	Protein export elements from <i>Lactococcus lactis</i> . <i>Molecular Genetics and Genomics</i> , <b>1992</b> , 234, 401-11		38
4	Expression of an endoglucanase gene from <i>Clostridium cellulolyticum</i> in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology</i> , <b>1988</b> , 3, 365-371		22
3	Further studies on the genetics of <i>Cephalosporium acremonium</i> using protoplast fusion methods. <i>Journal of Industrial Microbiology</i> , <b>1987</b> , 1, 283-294		3
2	Production of cephalosporin C, and its intermediates, by raised-titre strains of <i>Acremonium chrysogenum</i> . <i>Enzyme and Microbial Technology</i> , <b>1985</b> , 7, 389-394	3.8	4
1	Ultrasonic velocity measurements in the ternary mixtures water-lactose-lactate, for the purpose of monitoring the lactic acid fermentation of lactose		2