

# Abelardo Margolles

## 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.

211  
papers

12,936  
citations

59  
h-index

108  
g-index

220  
ext. papers

16,011  
ext. citations

4.9  
avg, IF

6.48  
L-index

#	Paper	IF	Citations
211	Computational Approach to the Systematic Prediction of Glycolytic Abilities: Looking Into Human Microbiota. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2021</b> , 18, 2302-2313	3	1
210	Vegetable waste and by-products to feed a healthy gut microbiota: Current evidence, machine learning and computational tools to design novel microbiome-targeted foods. <i>Trends in Food Science and Technology</i> , <b>2021</b> , 118, 399-417	15.3	2
209	Phylogenetic classification of ten novel species belonging to the genus <i>Bifidobacterium</i> comprising <i>B. phasiani</i> sp. nov., <i>B. pongonis</i> sp. nov., <i>B. saguinibicoloris</i> sp. nov., <i>B. colobi</i> sp. nov., <i>B. simiiventris</i> sp. nov., <i>B. santillanense</i> sp. nov., <i>B. miconis</i> sp. nov., <i>B. amazonense</i> sp. nov., <i>B. phidathillensis</i> sp. nov. and <i>B. miconis</i> sp. nov. <i>Systematic and Applied Microbiology</i> , <b>2021</b> , 47, 1-12	4.2	1
208	Eating microRNAs: pharmacological opportunities for cross-kingdom regulation and implications in host gene and gut microbiota modulation. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 2218-2245	8.6	15
207	Genetic insights into the dark matter of the mammalian gut microbiota through targeted genome reconstruction. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 3294-3305	5.2	2
206	Apple pomaces derived from mono-varietal Asturian ciders production are potential source of pectins with appealing functional properties. <i>Carbohydrate Polymers</i> , <b>2021</b> , 264, 117980	10.3	10
205	Artichoke pectic oligosaccharide characterisation and virtual screening of prebiotic properties using in silico colonic fermentation. <i>Carbohydrate Polymers</i> , <b>2021</b> , 255, 117367	10.3	6
204	Methods for Isolation and Recovery of <i>Bifidobacteria</i> . <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 1-12	1.4	1
203	Precision modification of the human gut microbiota targeting surface-associated proteins. <i>Scientific Reports</i> , <b>2021</b> , 11, 1270	4.9	1
202	Interaction of Intestinal Bacteria with Human Rotavirus during Infection in Children. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	10
201	gen. nov., sp. nov., a bile-resistant bacterium from human bile with autolytic behavior. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2021</b> , 71,	2.2	2
200	Determination of Bile Salt Hydrolase Activity in <i>Bifidobacteria</i> . <i>Methods in Molecular Biology</i> , <b>2021</b> , 2278, 149-155	1.4	1
199	Mechanisms of Gut Microbiota Modulation by Food, Probiotics, Prebiotics and More <b>2021</b> , 84-84		0
198	Exopolysaccharide Producing subsp. Strains Modify the Intestinal Microbiota and the Plasmatic Cytokine Levels of BALB/c Mice According to the Type of Polymer Synthesized. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 601233	5.7	1
197	Decoding the Genomic Variability among Members of the Species. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	7
196	subsp. CECT7210 (IM-1) Displays In Vitro Activity against Some Intestinal Pathogens. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	7
195	Revisiting the Metabolic Capabilities of subsp. and subsp. from a Glycoside Hydrolase Perspective. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	3

194	Evolutionary development and co-phylogeny of primate-associated bifidobacteria. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 3375-3393	5.2	7
193	The infant gut microbiome as a microbial organ influencing host well-being. <i>Italian Journal of Pediatrics</i> , <b>2020</b> , 46, 16	3.2	49
192	In silico and functional analyses of immunomodulatory peptides encrypted in the human gut metaproteome. <i>Journal of Functional Foods</i> , <b>2020</b> , 70, 103969	5.1	2
191	Molecules Produced by Probiotics and Intestinal Microorganisms with Immunomodulatory Activity. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	39
190	The extracellular proteins of <i>Lactobacillus acidophilus</i> DSM 20079T display anti-inflammatory effect in both in piglets, healthy human donors and Crohn's Disease patients. <i>Journal of Functional Foods</i> , <b>2020</b> , 64, 103660	5.1	2
189	Cell wall hydrolase as a surface-associated protein target for the specific detection of <i>Lactobacillus rhamnosus</i> using flow cytometry. <i>Innovative Food Science and Emerging Technologies</i> , <b>2020</b> , 59, 102240	6.8	2
188	Oleanolic acid ameliorates intestinal alterations associated with EAE. <i>Journal of Neuroinflammation</i> , <b>2020</b> , 17, 363	10.1	7
187	Valorization of Vegetable Food Waste and By-Products Through Fermentation Processes. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 581997	5.7	23
186	<i>Bifidobacterium adolescentis</i> as a key member of the human gut microbiota in the production of GABA. <i>Scientific Reports</i> , <b>2020</b> , 10, 14112	4.9	42
185	Proteomic profile of extracellular vesicles released by <i>Lactiplantibacillus plantarum</i> BGAN8 and their internalization by non-polarized HT29 cell line. <i>Scientific Reports</i> , <b>2020</b> , 10, 21829	4.9	9
184	Abdominal distension after eating lettuce: The role of intestinal gas evaluated in vitro and by abdominal CT imaging. <i>Neurogastroenterology and Motility</i> , <b>2019</b> , 31, e13703	4	5
183	Filling the gap between collection, transport and storage of the human gut microbiota. <i>Scientific Reports</i> , <b>2019</b> , 9, 8327	4.9	13
182	Intestinal Bacteria Interplay With Bile and Cholesterol Metabolism: Implications on Host Physiology. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 185	4.6	96
181	Reply: "Letter to the editor Re: Diaz M., et al. 2018, , 1481". <i>Nutrients</i> , <b>2019</b> , 11,	6.7	
180	Exopolysaccharides synthesized by <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> interact with TLR4 in intestinal epithelial cells. <i>Anaerobe</i> , <b>2019</b> , 56, 98-101	2.8	12
179	Fecal Changes Following Introduction of Milk in Infants With Outgrowing Non-IgE Cow's Milk Protein Allergy Are Influenced by Previous Consumption of the Probiotic LGG. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1819	8.4	9
178	Approach for Unveiling the Glycoside Hydrolase Activities in Through a Systematic and Integrative Large-Scale Analysis. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 517	5.7	3
177	The human gallbladder microbiome is related to the physiological state and the biliary metabolic profile. <i>Microbiome</i> , <b>2019</b> , 7, 100	16.6	42

176	A Gene Homologous to rRNA Methylase Genes Confers Erythromycin and Clindamycin Resistance in <i>Bifidobacterium breve</i> . <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	14
175	Biological Activities and Applications of Bifidobacterial Exopolysaccharides: From the Bacteria and Host Perspective <b>2018</b> , 177-193		4
174	Evidence of the In Vitro and In Vivo Immunological Relevance of Bifidobacteria <b>2018</b> , 295-305		
173	Bioactive compounds from regular diet and faecal microbial metabolites. <i>European Journal of Nutrition</i> , <b>2018</b> , 57, 487-497	5.2	11
172	Diet: Cause or Consequence of the Microbial Profile of Cholelithiasis Disease?. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	7
171	Interactions of Surface Exopolysaccharides From and Within the Intestinal Environment. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2426	5.7	99
170	Microbiota and Derived Parameters in Fecal Samples of Infants with Non-IgE Cow's Milk Protein Allergy under a Restricted Diet. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	26
169	The role of gut microbiota in lupus: what we know in 2018?. <i>Expert Review of Clinical Immunology</i> , <b>2018</b> , 14, 787-792	5.1	7
168	Bifidobacteria and Their Health-Promoting Effects <b>2018</b> , 73-98		11
167	One-year calorie restriction impacts gut microbial composition but not its metabolic performance in obese adolescents. <i>Environmental Microbiology</i> , <b>2017</b> , 19, 1536-1551	5.2	33
166	Resequencing the Genome of Strain CECT7263. <i>Genome Announcements</i> , <b>2017</b> , 5,		1
165	Bifidobacteria and Their Health-Promoting Effects. <i>Microbiology Spectrum</i> , <b>2017</b> , 5,	8.9	126
164	The First Microbial Colonizers of the Human Gut: Composition, Activities, and Health Implications of the Infant Gut Microbiota. <i>Microbiology and Molecular Biology Reviews</i> , <b>2017</b> , 81,	13.2	626
163	Probiotics, gut microbiota, and their influence on host health and disease. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600240	5.9	442
162	Intestinal Dysbiosis Is Associated with Altered Short-Chain Fatty Acids and Serum-Free Fatty Acids in Systemic Lupus Erythematosus. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 23	8.4	53
161	Free Fatty Acids Profiles Are Related to Gut Microbiota Signatures and Short-Chain Fatty Acids. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 823	8.4	45
160	Gene Replacement and Fluorescent Labeling to Study the Functional Role of Exopolysaccharides in subsp.. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1405	5.7	18
159	Bifidobacteria and Their Molecular Communication with the Immune System. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 2345	5.7	125

158	Microbiota and oxidant-antioxidant balance in systemic lupus erythematosus. <i>Nutricion Hospitalaria</i> , <b>2017</b> , 34, 934-941	1	6
157	Phenolic compounds from red wine and coffee are associated with specific intestinal microorganisms in allergic subjects. <i>Food and Function</i> , <b>2016</b> , 7, 104-9	6.1	23
156	HIV infection results in metabolic alterations in the gut microbiota different from those induced by other diseases. <i>Scientific Reports</i> , <b>2016</b> , 6, 26192	4.9	36
155	Th17 responses and natural IgM antibodies are related to gut microbiota composition in systemic lupus erythematosus patients. <i>Scientific Reports</i> , <b>2016</b> , 6, 24072	4.9	123
154	Intestinal dysbiosis in systemic lupus erythematosus: cause or consequence?. <i>Current Opinion in Rheumatology</i> , <b>2016</b> , 28, 515-22	5.3	32
153	Dual-coated lactic acid bacteria: an emerging innovative technology in the field of probiotics. <i>Future Microbiology</i> , <b>2016</b> , 11, 467-75	2.9	7
152	Tackling probiotic and gut microbiota functionality through proteomics. <i>Journal of Proteomics</i> , <b>2016</b> , 147, 28-39	3.9	33
151	Modulation of the eps-ome transcription of bifidobacteria through simulation of human intestinal environment. <i>FEMS Microbiology Ecology</i> , <b>2016</b> , 92, fiw056	4.3	33
150	Allergic Patients with Long-Term Asthma Display Low Levels of Bifidobacterium adolescentis. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147809	3.7	62
149	Intestinal Short Chain Fatty Acids and their Link with Diet and Human Health. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 185	5.7	934
148	Effect of a Ropy Exopolysaccharide-Producing Bifidobacterium animalis subsp. lactis Strain Orally Administered on DSS-Induced Colitis Mice Model. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 868	5.7	25
147	Proteinaceous Molecules Mediating Bifidobacterium-Host Interactions. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1193	5.7	26
146	Impact of Prematurity and Perinatal Antibiotics on the Developing Intestinal Microbiota: A Functional Inference Study. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	81
145	Evaluation of genetic diversity among strains of the human gut commensal Bifidobacterium adolescentis. <i>Scientific Reports</i> , <b>2016</b> , 6, 23971	4.9	70
144	Mediterranean diet and faecal microbiota: a transversal study. <i>Food and Function</i> , <b>2016</b> , 7, 2347-56	6.1	92
143	Intestinal microbiota development in preterm neonates and effect of perinatal antibiotics. <i>Journal of Pediatrics</i> , <b>2015</b> , 166, 538-44	3.6	250
142	Ranking the impact of human health disorders on gut metabolism: systemic lupus erythematosus and obesity as study cases. <i>Scientific Reports</i> , <b>2015</b> , 5, 8310	4.9	56
141	Use of anaerobic green fluorescent protein versus green fluorescent protein as reporter in lactic acid bacteria. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 6865-77	5.7	32

140	Evidence for cholesterol-lowering activity by Bifidobacterium bifidum PRL2010 through gut microbiota modulation. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 6813-29	5.7	41
139	A single mutation in the gene responsible for the mucoid phenotype of Bifidobacterium animalis subsp. lactis confers surface and functional characteristics. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 7960-8	4.8	33
138	Insights from genomes of representatives of the human gut commensal Bifidobacterium bifidum. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 2515-31	5.2	61
137	Bifidobacteria exhibit social behavior through carbohydrate resource sharing in the gut. <i>Scientific Reports</i> , <b>2015</b> , 5, 15782	4.9	168
136	Application of density gradient for the isolation of the fecal microbial stool component and the potential use thereof. <i>Scientific Reports</i> , <b>2015</b> , 5, 16807	4.9	27
135	Association of polyphenols from oranges and apples with specific intestinal microorganisms in systemic lupus erythematosus patients. <i>Nutrients</i> , <b>2015</b> , 7, 1301-17	6.7	47
134	Interaction of Intestinal Microorganisms with the Human Host in the Framework of Autoimmune Diseases. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 594	8.4	21
133	Molecular Players Involved in the Interaction Between Beneficial Bacteria and the Immune System. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1285	5.7	60
132	Occurrence and Diversity of CRISPR-Cas Systems in the Genus Bifidobacterium. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133661	3.6	53
131	The effects of Bifidobacterium breve on immune mediators and proteome of HT29 cells monolayers. <i>BioMed Research International</i> , <b>2015</b> , 2015, 479140	3	19
130	Human colon-derived soluble factors modulate gut microbiota composition. <i>Frontiers in Oncology</i> , <b>2015</b> , 5, 86	5.3	3
129	Degenerate PCR primers for detecting putative priming glycosyltransferase genes in Bifidobacterium strains. <i>Beneficial Microbes</i> , <b>2015</b> , 6, 553-62	4.9	5
128	Antibiotic resistance genes in food and gut (non-pathogenic) bacteria. Bad genes in good bugs. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 754	5.7	26
127	Anaerobic green fluorescent protein as a marker of Bifidobacterium strains. <i>International Journal of Food Microbiology</i> , <b>2014</b> , 175, 6-13	5.8	30
126	Exopolysaccharide-producing Bifidobacterium animalis subsp. lactis strains and their polymers elicit different responses on immune cells from blood and gut associated lymphoid tissue. <i>Anaerobe</i> , <b>2014</b> , 26, 24-30	2.8	47
125	Bifidobacterium bifidum PRL2010 modulates the host innate immune response. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 730-40	4.8	51
124	Kefir fermented milk and kefiran promote growth of Bifidobacterium bifidum PRL2010 and modulate its gene expression. <i>International Journal of Food Microbiology</i> , <b>2014</b> , 178, 50-9	5.8	50
123	Genomic overview and biological functions of exopolysaccharide biosynthesis in Bifidobacterium spp. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 9-18	4.8	126

122	Genomic encyclopedia of type strains of the genus Bifidobacterium. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 6290-302	4.8	162
121	Extracellular molecular effectors mediating probiotic attributes. <i>FEMS Microbiology Letters</i> , <b>2014</b> , 359, 1-11	2.9	33
120	Characterization of the bile and gall bladder microbiota of healthy pigs. <i>MicrobiologyOpen</i> , <b>2014</b> , 3, 937-944	3.4	26
119	Intestinal microbiota in health and disease: role of bifidobacteria in gut homeostasis. <i>World Journal of Gastroenterology</i> , <b>2014</b> , 20, 15163-76	5.6	282
118	Intestinal dysbiosis associated with systemic lupus erythematosus. <i>MBio</i> , <b>2014</b> , 5, e01548-14	7.8	309
117	Association of levels of antibodies from patients with inflammatory bowel disease with extracellular proteins of food and probiotic bacteria. <i>BioMed Research International</i> , <b>2014</b> , 2014, 351204 <sup>3</sup>	3.5	15
116	Altered human gut dendritic cell properties in ulcerative colitis are reversed by Lactobacillus plantarum extracellular encrypted peptide STp. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 1132-43 <sup>9</sup>	5.9	49
115	Role of sortase-dependent pili of Bifidobacterium bifidum PRL2010 in modulating bacterium-host interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 11151-6	11.5	172
114	Omics for the study of probiotic microorganisms. <i>Food Research International</i> , <b>2013</b> , 54, 1061-1071	7	26
113	Catabolism of glucose and lactose in Bifidobacterium animalis subsp. lactis, studied by <sup>13</sup> C Nuclear Magnetic Resonance. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 7628-38	4.8	29
112	Adaptation of bifidobacteria to the gastrointestinal tract and functional consequences. <i>Pharmacological Research</i> , <b>2013</b> , 69, 127-36	10.2	43
111	Factors involved in the colonization and survival of bifidobacteria in the gastrointestinal tract. <i>FEMS Microbiology Letters</i> , <b>2013</b> , 340, 1-10	2.9	46
110	Co-culture affects protein profile and heat tolerance of Lactobacillus delbrueckii subsp. lactis and Bifidobacterium longum. <i>Food Research International</i> , <b>2013</b> , 54, 1080-1083	7	4
109	Evaluation of adhesion properties and antibacterial activities of the infant gut commensal Bifidobacterium bifidum PRL2010. <i>Anaerobe</i> , <b>2013</b> , 21, 9-17	2.8	41
108	Antibiotic resistance in probiotic bacteria. <i>Frontiers in Microbiology</i> , <b>2013</b> , 4, 202	5.7	273
107	Bile resistance mechanisms in Lactobacillus and Bifidobacterium. <i>Frontiers in Microbiology</i> , <b>2013</b> , 4, 396	5.7	242
106	Microbial targets for the development of functional foods accordingly with nutritional and immune parameters altered in the elderly. <i>Journal of the American College of Nutrition</i> , <b>2013</b> , 32, 399-406	3.5	52
105	An extracellular Serine/Threonine-rich protein from Lactobacillus plantarum NCIMB 8826 is a novel aggregation-promoting factor with affinity to mucin. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 6059-66	4.8	23

104	Insights into the ropy phenotype of the exopolysaccharide-producing strain <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> A1dOxR. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 3870-4	4.8	18
103	Assessing the fecal microbiota: an optimized ion torrent 16S rRNA gene-based analysis protocol. <i>PLoS ONE</i> , <b>2013</b> , 8, e68739	3.7	205
102	Fatty acids intake and immune parameters in the elderly. <i>Nutricion Hospitalaria</i> , <b>2013</b> , 28, 474-8	1	6
101	A bile-inducible membrane protein mediates bifidobacterial bile resistance. <i>Microbial Biotechnology</i> , <b>2012</b> , 5, 523-35	6.3	26
100	Insights into physiological traits of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> BB-12 through membrane proteome analysis. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 1190-200	3.9	12
99	Genome sequence of the immunomodulatory strain <i>Bifidobacterium bifidum</i> LMG 13195. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 6997	3.5	2
98	Immune Modulation Capability of Exopolysaccharides Synthesised by Lactic Acid Bacteria and <i>Bifidobacteria</i> . <i>Probiotics and Antimicrobial Proteins</i> , <b>2012</b> , 4, 227-37	5.5	122
97	Treg-inducing membrane vesicles from <i>Bifidobacterium bifidum</i> LMG13195 as potential adjuvants in immunotherapy. <i>Vaccine</i> , <b>2012</b> , 30, 825-9	4.1	47
96	Exopolysaccharide-producing <i>Bifidobacterium</i> strains elicit different in vitro responses upon interaction with human cells. <i>Food Research International</i> , <b>2012</b> , 46, 99-107	7	86
95	Diversity of bifidobacteria within the infant gut microbiota. <i>PLoS ONE</i> , <b>2012</b> , 7, e36957	3.7	415
94	Toward improving technological and functional properties of probiotics in foods. <i>Trends in Food Science and Technology</i> , <b>2012</b> , 26, 56-63	15.3	34
93	Microbiota/host crosstalk biomarkers: regulatory response of human intestinal dendritic cells exposed to <i>Lactobacillus</i> extracellular encrypted peptide. <i>PLoS ONE</i> , <b>2012</b> , 7, e36262	3.7	63
92	Selection of a <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> strain with a decreased ability to produce acetic acid. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 3338-42	4.8	28
91	Establishment and development of intestinal microbiota in preterm neonates. <i>FEMS Microbiology Ecology</i> , <b>2012</b> , 79, 763-72	4.3	268
90	Deep 16S rRNA metagenomics and quantitative PCR analyses of the premature infant fecal microbiota. <i>Anaerobe</i> , <b>2012</b> , 18, 378-80	2.8	50
89	Controlled gene expression in bifidobacteria by use of a bile-responsive element. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 581-5	4.8	16
88	Genome sequence of the Antarctic psychrophile bacterium <i>Planococcus antarcticus</i> DSM 14505. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 4465	3.5	11
87	Molecular clues to understand the aerotolerance phenotype of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> . <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 644-50	4.8	31



86	Genome sequence of <i>Parascardovia denticolens</i> IPLA 20019, isolated from human breast milk. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 4776-7	3.5	9
85	Discovering novel bile protection systems in <i>Bifidobacterium breve</i> UCC2003 through functional genomics. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 1123-31	4.8	45
84	Role of extracellular transaldolase from <i>Bifidobacterium bifidum</i> in mucin adhesion and aggregation. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 3992-8	4.8	76
83	Interaction of <i>Bifidobacterium bifidum</i> LMG13195 with HT29 cells influences regulatory-T-cell-associated chemokine receptor expression. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 2850-7	4.8	46
82	<i>Bifidobacterium asteroides</i> PRL2011 genome analysis reveals clues for colonization of the insect gut. <i>PLoS ONE</i> , <b>2012</b> , 7, e44229	3.7	91
81	Adhesion of bile-adapted <i>Bifidobacterium</i> strains to the HT29-MTX cell line is modified after sequential gastrointestinal challenge simulated in vitro using human gastric and duodenal juices. <i>Research in Microbiology</i> , <b>2011</b> , 162, 514-9	4	36
80	A flagellin-producing <i>Lactococcus</i> strain: interactions with mucin and enteropathogens. <i>FEMS Microbiology Letters</i> , <b>2011</b> , 318, 101-7	2.9	19
79	Immune response to <i>Bifidobacterium bifidum</i> strains support Treg/Th17 plasticity. <i>PLoS ONE</i> , <b>2011</b> , 6, e24776	3.7	94
78	Evaluation of the ability of <i>Bifidobacterium longum</i> to metabolize human intestinal mucus. <i>FEMS Microbiology Letters</i> , <b>2011</b> , 314, 125-30	2.9	20
77	Human cecum content modulates production of extracellular proteins by food and probiotic bacteria. <i>FEMS Microbiology Letters</i> , <b>2011</b> , 324, 189-94	2.9	8
76	Assessment of intestinal microbiota of full-term breast-fed infants from two different geographical locations. <i>Early Human Development</i> , <b>2011</b> , 87, 511-3	2.2	31
75	Characterization and in vitro properties of potentially probiotic <i>Bifidobacterium</i> strains isolated from breast-milk. <i>International Journal of Food Microbiology</i> , <b>2011</b> , 149, 28-36	5.8	92
74	Evaluation of the functional potential of <i>Weissella</i> and <i>Lactobacillus</i> isolates obtained from Nigerian traditional fermented foods and cow's intestine. <i>International Journal of Food Microbiology</i> , <b>2011</b> , 147, 97-104	5.8	87
73	Structure of the high molecular weight exopolysaccharide produced by <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> IPLA-R1 and sequence analysis of its putative eps cluster. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 2710-7	2.9	50
72	How do bifidobacteria counteract environmental challenges? Mechanisms involved and physiological consequences. <i>Genes and Nutrition</i> , <b>2011</b> , 6, 307-18	4.3	76
71	<i>Lactobacillus plantarum</i> extracellular chitin-binding protein and its role in the interaction between chitin, Caco-2 cells, and mucin. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 1123-6	4.8	31
70	Stress Responses of <i>Bifidobacteria</i> <b>2011</b> , 323-347		2
69	Genetic basis of tetracycline resistance in <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> . <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 3364-9	4.8	57

68	Mosaic-like sequences containing transposon, phage, and plasmid elements among <i>Listeria monocytogenes</i> plasmids. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 4851-7	4.8	17
67	Genome analysis of <i>Bifidobacterium bifidum</i> PRL2010 reveals metabolic pathways for host-derived glycan foraging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 19514-9	11.5	266
66	Extracellular proteins secreted by probiotic bacteria as mediators of effects that promote mucosa-bacteria interactions. <i>Microbiology (United Kingdom)</i> , <b>2010</b> , 156, 3232-3242	2.9	132
65	Technological and probiotic selection criteria of a bile-adapted <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> strain. <i>International Dairy Journal</i> , <b>2010</b> , 20, 800-805	3.5	41
64	Bacterial and eukaryotic phosphoketolases: phylogeny, distribution and evolution. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2010</b> , 18, 37-51	0.9	28
63	Establishment and development of lactic acid bacteria and bifidobacteria microbiota in breast-milk and the infant gut. <i>Anaerobe</i> , <b>2010</b> , 16, 307-10	2.8	219
62	Distinct <i>Bifidobacterium</i> strains drive different immune responses in vitro. <i>International Journal of Food Microbiology</i> , <b>2010</b> , 138, 157-65	5.8	122
61	Inside the adaptation process of <i>Lactobacillus delbrueckii</i> subsp. <i>lactis</i> to bile. <i>International Journal of Food Microbiology</i> , <b>2010</b> , 142, 132-41	5.8	62
60	A proteomic approach to cold acclimation of <i>Staphylococcus aureus</i> CECT 976 grown at room and human body temperatures. <i>International Journal of Food Microbiology</i> , <b>2010</b> , 144, 160-8	5.8	15
59	Production of human growth hormone by <i>Lactococcus lactis</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>2010</b> , 109, 322-4	3.3	4
58	Bile affects the synthesis of exopolysaccharides by <i>Bifidobacterium animalis</i> . <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 1204-7	4.8	81
57	The cell-envelope proteome of <i>Bifidobacterium longum</i> in an in vitro bile environment. <i>Microbiology (United Kingdom)</i> , <b>2009</b> , 155, 957-967	2.9	67
56	Bile-inducible efflux transporter from <i>Bifidobacterium longum</i> NCC2705, conferring bile resistance. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 3153-60	4.8	58
55	Coculture of <i>Bifidobacterium longum</i> and <i>Bifidobacterium breve</i> alters their protein expression profiles and enzymatic activities. <i>International Journal of Food Microbiology</i> , <b>2009</b> , 133, 148-53	5.8	35
54	Microbiomic analysis of the bifidobacterial population in the human distal gut. <i>ISME Journal</i> , <b>2009</b> , 3, 745-51	11.9	111
53	Probiotic fermented milks: Present and future. <i>International Journal of Dairy Technology</i> , <b>2009</b> , 62, 472-483	3.3	44
52	Safety Assessment of Probiotics <b>2009</b> , 1193-1235		10
51	Molecular characterization of intrinsic and acquired antibiotic resistance in lactic acid bacteria and bifidobacteria. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2008</b> , 14, 6-15	0.9	107

50	Probiotic Microorganisms <b>2008</b> , 1-176		0
49	Improved cloning vectors for bifidobacteria, based on the Bifidobacterium catenulatum pBC1 replicon. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 4656-65	4.8	27
48	A preliminary analysis of Bifidobacterium longum exported proteins by two-dimensional electrophoresis. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2008</b> , 14, 74-9	0.9	29
47	Analysis of tetracycline resistance tet(W) genes and their flanking sequences in intestinal Bifidobacterium species. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2008</b> , 62, 688-93	5.1	38
46	Two different tetracycline resistance mechanisms, plasmid-carried tet(L) and chromosomally located transposon-associated tet(M), coexist in Lactobacillus sakei Rits 9. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 1394-401	4.8	63
45	Mucin degradation by Bifidobacterium strains isolated from the human intestinal microbiota. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 1936-40	4.8	159
44	Proteomics of stress response in Bifidobacterium. <i>Frontiers in Bioscience - Landmark</i> , <b>2008</b> , 13, 6905-19	2.8	38
43	Cell envelope changes in Bifidobacterium animalis ssp. lactis as a response to bile. <i>FEMS Microbiology Letters</i> , <b>2007</b> , 274, 316-22	2.9	68
42	Competitive exclusion of enteropathogens from human intestinal mucus by Bifidobacterium strains with acquired resistance to bile--a preliminary study. <i>International Journal of Food Microbiology</i> , <b>2007</b> , 113, 228-32	5.8	56
41	Induction of alpha-L-arabinofuranosidase activity by monomeric carbohydrates in Bifidobacterium longum and ubiquity of encoding genes. <i>Archives of Microbiology</i> , <b>2007</b> , 187, 145-53	3	22
40	Low-pH adaptation and the acid tolerance response of Bifidobacterium longum biotype longum. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 6450-9	4.8	149
39	Adaptation and response of Bifidobacterium animalis subsp. lactis to bile: a proteomic and physiological approach. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 6757-67	4.8	101
38	Labeling of Bifidobacterium longum cells with 13C-substituted leucine for quantitative proteomic analyses. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 5653-6	4.8	11
37	Screening of exopolysaccharide-producing Lactobacillus and Bifidobacterium strains isolated from the human intestinal microbiota. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 4385-8	4.8	68
36	Reagentless identification of human bifidobacteria by intrinsic fluorescence. <i>Journal of Microbiological Methods</i> , <b>2007</b> , 69, 100-6	2.8	12
35	Two membrane proteins from Bifidobacterium breve UCC2003 constitute an ABC-type multidrug transporter. <i>Microbiology (United Kingdom)</i> , <b>2006</b> , 152, 3497-3505	2.9	30
34	Molecular analysis of tet(W) gene-mediated tetracycline resistance in dominant intestinal Bifidobacterium species from healthy humans. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 7377-9	4.8	46
33	Fluorescence spectroscopy: a rapid tool for assessing tetracycline resistance in Bifidobacterium longum. <i>Canadian Journal of Microbiology</i> , <b>2006</b> , 52, 740-6	3.2	3

32	Deconjugation and bile salts hydrolase activity by Bifidobacterium strains with acquired resistance to bile. <i>International Dairy Journal</i> , <b>2006</b> , 16, 850-855	3.5	67
31	Exopolysaccharides produced by probiotic strains modify the adhesion of probiotics and enteropathogens to human intestinal mucus. <i>Journal of Food Protection</i> , <b>2006</b> , 69, 2011-5	2.5	169
30	The F1F0-ATPase of Bifidobacterium animalis is involved in bile tolerance. <i>Environmental Microbiology</i> , <b>2006</b> , 8, 1825-33	5.2	73
29	Ubiquity and diversity of multidrug resistance genes in Lactococcus lactis strains isolated between 1936 and 1995. <i>FEMS Microbiology Letters</i> , <b>2006</b> , 263, 21-5	2.9	10
28	Macrolide resistance mediated by a Bifidobacterium breve membrane protein. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2005</b> , 49, 4379-81	5.9	19
27	Ability of Bifidobacterium strains with acquired resistance to bile to adhere to human intestinal mucus. <i>International Journal of Food Microbiology</i> , <b>2005</b> , 101, 341-6	5.8	53
26	Acquisition of bile salt resistance promotes antibiotic susceptibility changes in bifidobacterium. <i>Journal of Food Protection</i> , <b>2005</b> , 68, 1916-9	2.5	17
25	A bile salt-resistant derivative of Bifidobacterium animalis has an altered fermentation pattern when grown on glucose and maltose. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 6564-70	4.8	53
24	Proteomic analysis of global changes in protein expression during bile salt exposure of Bifidobacterium longum NCIMB 8809. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 5799-808	3.5	155
23	Effect of acquired resistance to bile salts on enzymatic activities involved in the utilisation of carbohydrates by bifidobacteria. An overview. <i>Dairy Science and Technology</i> , <b>2005</b> , 85, 113-123		7
22	Effect of the adaptation to high bile salts concentrations on glycosidic activity, survival at low PH and cross-resistance to bile salts in Bifidobacterium. <i>International Journal of Food Microbiology</i> , <b>2004</b> , 94, 79-86	5.8	102
21	Viability and diversity of probiotic Lactobacillus and Bifidobacterium populations included in commercial fermented milks. <i>Food Research International</i> , <b>2004</b> , 37, 839-850	7	158
20	Acquired resistance to bile increases fructose-6-phosphate phosphoketolase activity in Bifidobacterium. <i>FEMS Microbiology Letters</i> , <b>2004</b> , 235, 35-41	2.9	30
19	Acquired resistance to bile increases fructose-6-phosphate phosphoketolase activity in Bifidobacterium. <i>FEMS Microbiology Letters</i> , <b>2004</b> , 235, 35-41	2.9	10
18	Characterisation of a Bifidobacterium strain with acquired resistance to cholate--a preliminary study. <i>International Journal of Food Microbiology</i> , <b>2003</b> , 82, 191-8	5.8	59
17	Purification and functional characterization of a novel alpha-L-arabinofuranosidase from Bifidobacterium longum B667. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 5096-103	4.8	77
16	A new experimental approach to detect long-range conformational changes transmitted between the membrane and cytosolic domains of LmrA, a bacterial multidrug transporter. <i>FEBS Letters</i> , <b>2002</b> , 530, 197-203	3.8	11
15	Susceptibility of Listeria monocytogenes and Listeria innocua strains isolated from short-ripened cheeses to some antibiotics and heavy metal salts. <i>Food Microbiology</i> , <b>2001</b> , 18, 67-73	6	11

14	Hop resistance in the beer spoilage bacterium <i>Lactobacillus brevis</i> is mediated by the ATP-binding cassette multidrug transporter HorA. <i>Journal of Bacteriology</i> , <b>2001</b> , 183, 5371-5	3.5	165
13	Structure and dynamics of the membrane-embedded domain of LmrA investigated by coupling polarized ATR-FTIR spectroscopy and (1)H/(2)H exchange. <i>Biochemistry</i> , <b>2001</b> , 40, 11876-86	3.2	36
12	Molecular pharmacological characterization of two multidrug transporters in <i>Lactococcus lactis</i> <b>2000</b> , 85, 245-9		8
11	Phenotypic characterization of <i>Listeria monocytogenes</i> and <i>Listeria innocua</i> strains isolated from short-ripened cheeses. <i>Food Microbiology</i> , <b>2000</b> , 17, 461-467	6	16
10	Secondary and tertiary structure changes of reconstituted LmrA induced by nucleotide binding or hydrolysis. A fourier transform attenuated total reflection infrared spectroscopy and tryptophan fluorescence quenching analysis. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 10962-7	5.4	37
9	Multidrug resistance in lactic acid bacteria: molecular mechanisms and clinical relevance. <i>Antonie Van Leeuwenhoek</i> , <b>1999</b> , 76, 347-352	2.1	7
8	Duplication of the beta-galactosidase gene in some <i>Lactobacillus plantarum</i> strains. <i>International Journal of Food Microbiology</i> , <b>1999</b> , 48, 113-23	5.8	17
7	Structure-function analysis of multidrug transporters in <i>Lactococcus lactis</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1999</b> , 1461, 201-6	3.8	23
6	The purified and functionally reconstituted multidrug transporter LmrA of <i>Lactococcus lactis</i> mediates the transbilayer movement of specific fluorescent phospholipids. <i>Biochemistry</i> , <b>1999</b> , 38, 16298-306	3.3	131
5	Characterization of plasmids from <i>Listeria monocytogenes</i> and <i>Listeria innocua</i> strains isolated from short-ripened cheeses. <i>International Journal of Food Microbiology</i> , <b>1998</b> , 39, 231-6	5.8	15
4	Polymorphism of <i>Listeria monocytogenes</i> and <i>Listeria innocua</i> strains isolated from short-ripened cheeses. <i>Journal of Applied Microbiology</i> , <b>1998</b> , 84, 255-62	4.7	21
3	Behavior of <i>Listeria monocytogenes</i> during the Manufacture, Ripening, and Cold Storage of Afuega'l Pitu Cheese. <i>Journal of Food Protection</i> , <b>1997</b> , 60, 689-693	2.5	11
2	Some Chemical and Bacteriological Characteristics of Regional Cheeses from Asturias, Spain. <i>Journal of Food Protection</i> , <b>1996</b> , 59, 509-515	2.5	18
1	Improving Probiotics for Functional Foods 351-368		1