

Abelardo Margolles

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8271857/abelardo-margolles-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Intestinal Short Chain Fatty Acids and their Link with Diet and Human Health. <i>Frontiers in Microbiology</i> , 2016 , 7, 185	5.7	934
210	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> , 2017 , 81,	13.2	626
209	Probiotics, gut microbiota, and their influence on host health and disease. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600240	5.9	442
208	Diversity of bifidobacteria within the infant gut microbiota. <i>PLoS ONE</i> , 2012 , 7, e36957	3.7	415
207	Intestinal dysbiosis associated with systemic lupus erythematosus. <i>MBio</i> , 2014 , 5, e01548-14	7.8	309
206	Intestinal microbiota in health and disease: role of bifidobacteria in gut homeostasis. <i>World Journal of Gastroenterology</i> , 2014 , 20, 15163-76	5.6	282
205	Antibiotic resistance in probiotic bacteria. <i>Frontiers in Microbiology</i> , 2013 , 4, 202	5.7	273
204	Establishment and development of intestinal microbiota in preterm neonates. <i>FEMS Microbiology Ecology</i> , 2012 , 79, 763-72	4.3	268
203	Genome analysis of Bifidobacterium bifidum PRL2010 reveals metabolic pathways for host-derived glycan foraging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 19514-9	11.5	266
202	Intestinal microbiota development in preterm neonates and effect of perinatal antibiotics. <i>Journal of Pediatrics</i> , 2015 , 166, 538-44	3.6	250
201	Bile resistance mechanisms in Lactobacillus and Bifidobacterium. <i>Frontiers in Microbiology</i> , 2013 , 4, 396	5.7	242
200	Establishment and development of lactic acid bacteria and bifidobacteria microbiota in breast-milk and the infant gut. <i>Anaerobe</i> , 2010 , 16, 307-10	2.8	219
199	Assessing the fecal microbiota: an optimized ion torrent 16S rRNA gene-based analysis protocol. <i>PLoS ONE</i> , 2013 , 8, e68739	3.7	205
198	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> , 2013 , 110, 11151-6	11.5	172
197	Exopolysaccharides produced by probiotic strains modify the adhesion of probiotics and enteropathogens to human intestinal mucus. <i>Journal of Food Protection</i> , 2006 , 69, 2011-5	2.5	169
196	Bifidobacteria exhibit social behavior through carbohydrate resource sharing in the gut. <i>Scientific Reports</i> , 2015 , 5, 15782	4.9	168
195	Hop resistance in the beer spoilage bacterium Lactobacillus brevis is mediated by the ATP-binding cassette multidrug transporter HorA. <i>Journal of Bacteriology</i> , 2001 , 183, 5371-5	3.5	165

194	Genomic encyclopedia of type strains of the genus Bifidobacterium. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 6290-302	4.8	162
193	Mucin degradation by Bifidobacterium strains isolated from the human intestinal microbiota. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 1936-40	4.8	159
192	Viability and diversity of probiotic Lactobacillus and Bifidobacterium populations included in commercial fermented milks. <i>Food Research International</i> , 2004 , 37, 839-850	7	158
191	Proteomic analysis of global changes in protein expression during bile salt exposure of Bifidobacterium longum NCIMB 8809. <i>Journal of Bacteriology</i> , 2005 , 187, 5799-808	3.5	155
190	Low-pH adaptation and the acid tolerance response of Bifidobacterium longum biotype longum. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 6450-9	4.8	149
189	Extracellular proteins secreted by probiotic bacteria as mediators of effects that promote mucosa-bacteria interactions. <i>Microbiology (United Kingdom)</i> , 2010 , 156, 3232-3242	2.9	132
188	The purified and functionally reconstituted multidrug transporter LmrA of Lactococcus lactis mediates the transbilayer movement of specific fluorescent phospholipids. <i>Biochemistry</i> , 1999 , 38, 16298-306	3.2	131
187	Bifidobacteria and Their Health-Promoting Effects. <i>Microbiology Spectrum</i> , 2017 , 5,	8.9	126
186	Genomic overview and biological functions of exopolysaccharide biosynthesis in Bifidobacterium spp. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 9-18	4.8	126
185	Bifidobacteria and Their Molecular Communication with the Immune System. <i>Frontiers in Microbiology</i> , 2017 , 8, 2345	5.7	125
184	Th17 responses and natural IgM antibodies are related to gut microbiota composition in systemic lupus erythematosus patients. <i>Scientific Reports</i> , 2016 , 6, 24072	4.9	123
183	Immune Modulation Capability of Exopolysaccharides Synthesised by Lactic Acid Bacteria and Bifidobacteria. <i>Probiotics and Antimicrobial Proteins</i> , 2012 , 4, 227-37	5.5	122
182	Distinct Bifidobacterium strains drive different immune responses in vitro. <i>International Journal of Food Microbiology</i> , 2010 , 138, 157-65	5.8	122
181	Microbiomic analysis of the bifidobacterial population in the human distal gut. <i>ISME Journal</i> , 2009 , 3, 745-51	11.9	111
180	Molecular characterization of intrinsic and acquired antibiotic resistance in lactic acid bacteria and bifidobacteria. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2008 , 14, 6-15	0.9	107
179	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> , 2004 , 94, 79-86	5.8	102
178	Adaptation and response of Bifidobacterium animalis subsp. lactis to bile: a proteomic and physiological approach. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 6757-67	4.8	101
177	Interactions of Surface Exopolysaccharides From and Within the Intestinal Environment. <i>Frontiers in Microbiology</i> , 2018 , 9, 2426	5.7	99

176	Intestinal Bacteria Interplay With Bile and Cholesterol Metabolism: Implications on Host Physiology. <i>Frontiers in Physiology</i> , 2019 , 10, 185	4.6	96
175	Immune response to Bifidobacterium bifidum strains support Treg/Th17 plasticity. <i>PLoS ONE</i> , 2011 , 6, e24776	3.7	94
174	Characterization and in vitro properties of potentially probiotic Bifidobacterium strains isolated from breast-milk. <i>International Journal of Food Microbiology</i> , 2011 , 149, 28-36	5.8	92
173	Mediterranean diet and faecal microbiota: a transversal study. <i>Food and Function</i> , 2016 , 7, 2347-56	6.1	92
172	Bifidobacterium asteroides PRL2011 genome analysis reveals clues for colonization of the insect gut. <i>PLoS ONE</i> , 2012 , 7, e44229	3.7	91
171	Evaluation of the functional potential of Weissella and Lactobacillus isolates obtained from Nigerian traditional fermented foods and cow's intestine. <i>International Journal of Food Microbiology</i> , 2011 , 147, 97-104	5.8	87
170	Exopolysaccharide-producing Bifidobacterium strains elicit different in vitro responses upon interaction with human cells. <i>Food Research International</i> , 2012 , 46, 99-107	7	86
169	Bile affects the synthesis of exopolysaccharides by Bifidobacterium animalis. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 1204-7	4.8	81
168	Impact of Prematurity and Perinatal Antibiotics on the Developing Intestinal Microbiota: A Functional Inference Study. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	81
167	Purification and functional characterization of a novel alpha-L-arabinofuranosidase from Bifidobacterium longum B667. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 5096-103	4.8	77
166	How do bifidobacteria counteract environmental challenges? Mechanisms involved and physiological consequences. <i>Genes and Nutrition</i> , 2011 , 6, 307-18	4.3	76
165	Role of extracellular transaldolase from Bifidobacterium bifidum in mucin adhesion and aggregation. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 3992-8	4.8	76
164	The F1F0-ATPase of Bifidobacterium animalis is involved in bile tolerance. <i>Environmental Microbiology</i> , 2006 , 8, 1825-33	5.2	73
163	Evaluation of genetic diversity among strains of the human gut commensal Bifidobacterium adolescentis. <i>Scientific Reports</i> , 2016 , 6, 23971	4.9	70
162	Cell envelope changes in Bifidobacterium animalis ssp. lactis as a response to bile. <i>FEMS Microbiology Letters</i> , 2007 , 274, 316-22	2.9	68
161	Screening of exopolysaccharide-producing Lactobacillus and Bifidobacterium strains isolated from the human intestinal microbiota. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 4385-8	4.8	68
160	The cell-envelope proteome of Bifidobacterium longum in an in vitro bile environment. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 957-967	2.9	67
159	Deconjugation and bile salts hydrolase activity by Bifidobacterium strains with acquired resistance to bile. <i>International Dairy Journal</i> , 2006 , 16, 850-855	3.5	67

158	Microbiota/host crosstalk biomarkers: regulatory response of human intestinal dendritic cells exposed to Lactobacillus extracellular encrypted peptide. <i>PLoS ONE</i> , 2012 , 7, e36262	3.7	63
157	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> , 2008 , 74, 1394-401	4.8	63
156	Inside the adaptation process of Lactobacillus delbrueckii subsp. lactis to bile. <i>International Journal of Food Microbiology</i> , 2010 , 142, 132-41	5.8	62
155	Allergic Patients with Long-Term Asthma Display Low Levels of Bifidobacterium adolescentis. <i>PLoS ONE</i> , 2016 , 11, e0147809	3.7	62
154	Insights from genomes of representatives of the human gut commensal Bifidobacterium bifidum. <i>Environmental Microbiology</i> , 2015 , 17, 2515-31	5.2	61
153	Molecular Players Involved in the Interaction Between Beneficial Bacteria and the Immune System. <i>Frontiers in Microbiology</i> , 2015 , 6, 1285	5.7	60
152	Characterisation of a Bifidobacterium strain with acquired resistance to cholate--a preliminary study. <i>International Journal of Food Microbiology</i> , 2003 , 82, 191-8	5.8	59
151	Bile-inducible efflux transporter from Bifidobacterium longum NCC2705, conferring bile resistance. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 3153-60	4.8	58
150	Genetic basis of tetracycline resistance in Bifidobacterium animalis subsp. lactis. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 3364-9	4.8	57
149	Ranking the impact of human health disorders on gut metabolism: systemic lupus erythematosus and obesity as study cases. <i>Scientific Reports</i> , 2015 , 5, 8310	4.9	56
148	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> , 2007 , 113, 228-32	5.8	56
147	Intestinal Dysbiosis Is Associated with Altered Short-Chain Fatty Acids and Serum-Free Fatty Acids in Systemic Lupus Erythematosus. <i>Frontiers in Immunology</i> , 2017 , 8, 23	8.4	53
146	Occurrence and Diversity of CRISPR-Cas Systems in the Genus Bifidobacterium. <i>PLoS ONE</i> , 2015 , 10, e0133661	3.7	53
145	Ability of Bifidobacterium strains with acquired resistance to bile to adhere to human intestinal mucus. <i>International Journal of Food Microbiology</i> , 2005 , 101, 341-6	5.8	53
144	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> , 2005 , 71, 6564-70	4.8	53
143	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> , 2013 , 32, 399-406	3.5	52
142	Bifidobacterium bifidum PRL2010 modulates the host innate immune response. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 730-40	4.8	51
141	Kefir fermented milk and kefiran promote growth of Bifidobacterium bifidum PRL2010 and modulate its gene expression. <i>International Journal of Food Microbiology</i> , 2014 , 178, 50-9	5.8	50

140	Deep 16S rRNA metagenomics and quantitative PCR analyses of the premature infant fecal microbiota. <i>Anaerobe</i> , 2012 , 18, 378-80	2.8	50
139	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> , 2011 , 346, 2710-7	2.9	50
138	The infant gut microbiome as a microbial organ influencing host well-being. <i>Italian Journal of Pediatrics</i> , 2020 , 46, 16	3.2	49
137	Altered human gut dendritic cell properties in ulcerative colitis are reversed by <i>Lactobacillus plantarum</i> extracellular encrypted peptide STp. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1132-43	5.9	49
136	Exopolysaccharide-producing <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> strains and their polymers elicit different responses on immune cells from blood and gut associated lymphoid tissue. <i>Anaerobe</i> , 2014 , 26, 24-30	2.8	47
135	Association of polyphenols from oranges and apples with specific intestinal microorganisms in systemic lupus erythematosus patients. <i>Nutrients</i> , 2015 , 7, 1301-17	6.7	47
134	Treg-inducing membrane vesicles from <i>Bifidobacterium bifidum</i> LMG13195 as potential adjuvants in immunotherapy. <i>Vaccine</i> , 2012 , 30, 825-9	4.1	47
133	Factors involved in the colonization and survival of bifidobacteria in the gastrointestinal tract. <i>FEMS Microbiology Letters</i> , 2013 , 340, 1-10	2.9	46
132	Interaction of <i>Bifidobacterium bifidum</i> LMG13195 with HT29 cells influences regulatory-T-cell-associated chemokine receptor expression. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 2850-7	4.8	46
131	Molecular analysis of tet(W) gene-mediated tetracycline resistance in dominant intestinal <i>Bifidobacterium</i> species from healthy humans. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 7377-9	4.8	46
130	Free Fatty Acids Profiles Are Related to Gut Microbiota Signatures and Short-Chain Fatty Acids. <i>Frontiers in Immunology</i> , 2017 , 8, 823	8.4	45
129	Discovering novel bile protection systems in <i>Bifidobacterium breve</i> UCC2003 through functional genomics. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 1123-31	4.8	45
128	Probiotic fermented milks: Present and future. <i>International Journal of Dairy Technology</i> , 2009 , 62, 472-483	3.7	44
127	Adaptation of bifidobacteria to the gastrointestinal tract and functional consequences. <i>Pharmacological Research</i> , 2013 , 69, 127-36	10.2	43
126	The human gallbladder microbiome is related to the physiological state and the biliary metabolic profile. <i>Microbiome</i> , 2019 , 7, 100	16.6	42
125	<i>Bifidobacterium adolescentis</i> as a key member of the human gut microbiota in the production of GABA. <i>Scientific Reports</i> , 2020 , 10, 14112	4.9	42
124	Evidence for cholesterol-lowering activity by <i>Bifidobacterium bifidum</i> PRL2010 through gut microbiota modulation. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 6813-29	5.7	41
123	Evaluation of adhesion properties and antibacterial activities of the infant gut commensal <i>Bifidobacterium bifidum</i> PRL2010. <i>Anaerobe</i> , 2013 , 21, 9-17	2.8	41

122	Technological and probiotic selection criteria of a bile-adapted <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> strain. <i>International Dairy Journal</i> , 2010 , 20, 800-805	3.5	41
121	Molecules Produced by Probiotics and Intestinal Microorganisms with Immunomodulatory Activity. <i>Nutrients</i> , 2020 , 12,	6.7	39
120	Analysis of tetracycline resistance tet(W) genes and their flanking sequences in intestinal <i>Bifidobacterium</i> species. <i>Journal of Antimicrobial Chemotherapy</i> , 2008 , 62, 688-93	5.1	38
119	Proteomics of stress response in <i>Bifidobacterium</i> . <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 6905-19	2.8	38
118	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> , 2000 , 275, 10962-7	5.4	37
117	HIV infection results in metabolic alterations in the gut microbiota different from those induced by other diseases. <i>Scientific Reports</i> , 2016 , 6, 26192	4.9	36
116	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> , 2011 , 162, 514-9	4	36
115	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> , 2001 , 40, 11876-86	3.2	36
114	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> , 2009 , 133, 148-53	5.8	35
113	Toward improving technological and functional properties of probiotics in foods. <i>Trends in Food Science and Technology</i> , 2012 , 26, 56-63	15.3	34
112	One-year calorie restriction impacts gut microbial composition but not its metabolic performance in obese adolescents. <i>Environmental Microbiology</i> , 2017 , 19, 1536-1551	5.2	33
111	A single mutation in the gene responsible for the mucoid phenotype of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> confers surface and functional characteristics. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 7960-8	4.8	33
110	Tackling probiotic and gut microbiota functionality through proteomics. <i>Journal of Proteomics</i> , 2016 , 147, 28-39	3.9	33
109	Modulation of the eps-ome transcription of bifidobacteria through simulation of human intestinal environment. <i>FEMS Microbiology Ecology</i> , 2016 , 92, fiw056	4.3	33
108	Extracellular molecular effectors mediating probiotic attributes. <i>FEMS Microbiology Letters</i> , 2014 , 359, 1-11	2.9	33
107	Use of anaerobic green fluorescent protein versus green fluorescent protein as reporter in lactic acid bacteria. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 6865-77	5.7	32
106	Intestinal dysbiosis in systemic lupus erythematosus: cause or consequence?. <i>Current Opinion in Rheumatology</i> , 2016 , 28, 515-22	5.3	32
105	Assessment of intestinal microbiota of full-term breast-fed infants from two different geographical locations. <i>Early Human Development</i> , 2011 , 87, 511-3	2.2	31

104	Lactobacillus plantarum extracellular chitin-binding protein and its role in the interaction between chitin, Caco-2 cells, and mucin. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 1123-6	4.8	31
103	Molecular clues to understand the aerotolerance phenotype of Bifidobacterium animalis subsp. lactis. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 644-50	4.8	31
102	Anaerobic green fluorescent protein as a marker of Bifidobacterium strains. <i>International Journal of Food Microbiology</i> , 2014 , 175, 6-13	5.8	30
101	Two membrane proteins from Bifidobacterium breve UCC2003 constitute an ABC-type multidrug transporter. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 3497-3505	2.9	30
100	Acquired resistance to bile increases fructose-6-phosphate phosphoketolase activity in Bifidobacterium. <i>FEMS Microbiology Letters</i> , 2004 , 235, 35-41	2.9	30
99	Catabolism of glucose and lactose in Bifidobacterium animalis subsp. lactis, studied by ¹³ C Nuclear Magnetic Resonance. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 7628-38	4.8	29
98	A preliminary analysis of Bifidobacterium longum exported proteins by two-dimensional electrophoresis. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2008 , 14, 74-9	0.9	29
97	Selection of a Bifidobacterium animalis subsp. lactis strain with a decreased ability to produce acetic acid. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 3338-42	4.8	28
96	Bacterial and eukaryotic phosphoketolases: phylogeny, distribution and evolution. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2010 , 18, 37-51	0.9	28
95	Application of density gradient for the isolation of the fecal microbial stool component and the potential use thereof. <i>Scientific Reports</i> , 2015 , 5, 16807	4.9	27
94	Improved cloning vectors for bifidobacteria, based on the Bifidobacterium catenulatum pBC1 replicon. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 4656-65	4.8	27
93	Antibiotic resistance genes in food and gut (non-pathogenic) bacteria. Bad genes in good bugs. <i>Frontiers in Microbiology</i> , 2014 , 5, 754	5.7	26
92	Characterization of the bile and gall bladder microbiota of healthy pigs. <i>MicrobiologyOpen</i> , 2014 , 3, 937-49	4.9	26
91	A bile-inducible membrane protein mediates bifidobacterial bile resistance. <i>Microbial Biotechnology</i> , 2012 , 5, 523-35	6.3	26
90	Omics for the study of probiotic microorganisms. <i>Food Research International</i> , 2013 , 54, 1061-1071	7	26
89	Proteinaceous Molecules Mediating Bifidobacterium-Host Interactions. <i>Frontiers in Microbiology</i> , 2016 , 7, 1193	5.7	26
88	Microbiota and Derived Parameters in Fecal Samples of Infants with Non-IgE Cow's Milk Protein Allergy under a Restricted Diet. <i>Nutrients</i> , 2018 , 10,	6.7	26
87	Effect of a Ropy Exopolysaccharide-Producing Bifidobacterium animalis subsp. lactis Strain Orally Administered on DSS-Induced Colitis Mice Model. <i>Frontiers in Microbiology</i> , 2016 , 7, 868	5.7	25

86	Phenolic compounds from red wine and coffee are associated with specific intestinal microorganisms in allergic subjects. <i>Food and Function</i> , 2016 , 7, 104-9	6.1	23
85	An extracellular Serine/Threonine-rich protein from <i>Lactobacillus plantarum</i> NCIMB 8826 is a novel aggregation-promoting factor with affinity to mucin. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 6059-66	4.8	23
84	Structure-function analysis of multidrug transporters in <i>Lactococcus lactis</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999 , 1461, 201-6	3.8	23
83	Valorization of Vegetable Food Waste and By-Products Through Fermentation Processes. <i>Frontiers in Microbiology</i> , 2020 , 11, 581997	5.7	23
82	Induction of alpha-L-arabinofuranosidase activity by monomeric carbohydrates in <i>Bifidobacterium longum</i> and ubiquity of encoding genes. <i>Archives of Microbiology</i> , 2007 , 187, 145-53	3	22
81	Interaction of Intestinal Microorganisms with the Human Host in the Framework of Autoimmune Diseases. <i>Frontiers in Immunology</i> , 2015 , 6, 594	8.4	21
80	Polymorphism of <i>Listeria monocytogenes</i> and <i>Listeria innocua</i> strains isolated from short-ripened cheeses. <i>Journal of Applied Microbiology</i> , 1998 , 84, 255-62	4.7	21
79	Evaluation of the ability of <i>Bifidobacterium longum</i> to metabolize human intestinal mucus. <i>FEMS Microbiology Letters</i> , 2011 , 314, 125-30	2.9	20
78	The effects of <i>Bifidobacterium breve</i> on immune mediators and proteome of HT29 cells monolayers. <i>BioMed Research International</i> , 2015 , 2015, 479140	3	19
77	A flagellin-producing <i>Lactococcus</i> strain: interactions with mucin and enteropathogens. <i>FEMS Microbiology Letters</i> , 2011 , 318, 101-7	2.9	19
76	Macrolide resistance mediated by a <i>Bifidobacterium breve</i> membrane protein. <i>Antimicrobial Agents and Chemotherapy</i> , 2005 , 49, 4379-81	5.9	19
75	Gene Replacement and Fluorescent Labeling to Study the Functional Role of Exopolysaccharides in subsp.. <i>Frontiers in Microbiology</i> , 2017 , 8, 1405	5.7	18
74	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> , 2013 , 79, 3870-4	4.8	18
73	Some Chemical and Bacteriological Characteristics of Regional Cheeses from Asturias, Spain. <i>Journal of Food Protection</i> , 1996 , 59, 509-515	2.5	18
72	Mosaic-like sequences containing transposon, phage, and plasmid elements among <i>Listeria monocytogenes</i> plasmids. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 4851-7	4.8	17
71	Acquisition of bile salt resistance promotes antibiotic susceptibility changes in <i>bifidobacterium</i> . <i>Journal of Food Protection</i> , 2005 , 68, 1916-9	2.5	17
70	Duplication of the beta-galactosidase gene in some <i>Lactobacillus plantarum</i> strains. <i>International Journal of Food Microbiology</i> , 1999 , 48, 113-23	5.8	17
69	Controlled gene expression in <i>bifidobacteria</i> by use of a bile-responsive element. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 581-5	4.8	16

68	Phenotypic characterization of <i>Listeria monocytogenes</i> and <i>Listeria innocua</i> strains isolated from short-ripened cheeses. <i>Food Microbiology</i> , 2000 , 17, 461-467	6	16
67	Association of levels of antibodies from patients with inflammatory bowel disease with extracellular proteins of food and probiotic bacteria. <i>BioMed Research International</i> , 2014 , 2014, 351204 ³		15
66	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> , 2010 , 144, 160-8	5.8	15
65	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> , 1998 , 39, 231-6	5.8	15
64	Eating microRNAs: pharmacological opportunities for cross-kingdom regulation and implications in host gene and gut microbiota modulation. <i>British Journal of Pharmacology</i> , 2021 , 178, 2218-2245	8.6	15
63	A Gene Homologous to rRNA Methylase Genes Confers Erythromycin and Clindamycin Resistance in <i>Bifidobacterium breve</i> . <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	14
62	Filling the gap between collection, transport and storage of the human gut microbiota. <i>Scientific Reports</i> , 2019 , 9, 8327	4.9	13
61	Exopolysaccharides synthesized by <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> interact with TLR4 in intestinal epithelial cells. <i>Anaerobe</i> , 2019 , 56, 98-101	2.8	12
60	Insights into physiological traits of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> BB-12 through membrane proteome analysis. <i>Journal of Proteomics</i> , 2012 , 75, 1190-200	3.9	12
59	Reagentless identification of human bifidobacteria by intrinsic fluorescence. <i>Journal of Microbiological Methods</i> , 2007 , 69, 100-6	2.8	12
58	Bioactive compounds from regular diet and faecal microbial metabolites. <i>European Journal of Nutrition</i> , 2018 , 57, 487-497	5.2	11
57	Genome sequence of the Antarctic psychrophile bacterium <i>Planococcus antarcticus</i> DSM 14505. <i>Journal of Bacteriology</i> , 2012 , 194, 4465	3.5	11
56	Behavior of <i>Listeria monocytogenes</i> during the Manufacture, Ripening, and Cold Storage of Afuega'l Pitu Cheese. <i>Journal of Food Protection</i> , 1997 , 60, 689-693	2.5	11
55	Labeling of <i>Bifidobacterium longum</i> cells with ¹³ C-substituted leucine for quantitative proteomic analyses. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 5653-6	4.8	11
54	Susceptibility of <i>Listeria monocytogenes</i> and <i>Listeria innocua</i> strains isolated from short-ripened cheeses to some antibiotics and heavy metal salts. <i>Food Microbiology</i> , 2001 , 18, 67-73	6	11
53	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> , 2002 , 530, 197-203	3.8	11
52	Bifidobacteria and Their Health-Promoting Effects 2018 , 73-98		11
51	Ubiquity and diversity of multidrug resistance genes in <i>Lactococcus lactis</i> strains isolated between 1936 and 1995. <i>FEMS Microbiology Letters</i> , 2006 , 263, 21-5	2.9	10

50	Acquired resistance to bile increases fructose-6-phosphate phosphoketolase activity in Bifidobacterium. <i>FEMS Microbiology Letters</i> , 2004 , 235, 35-41	2.9	10
49	Apple pomaces derived from mono-varietal Asturian ciders production are potential source of pectins with appealing functional properties. <i>Carbohydrate Polymers</i> , 2021 , 264, 117980	10.3	10
48	Interaction of Intestinal Bacteria with Human Rotavirus during Infection in Children. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	10
47	Safety Assessment of Probiotics 2009 , 1193-1235		10
46	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> , 2019 , 10, 1819	8.4	9
45	Genome sequence of Parascardovia denticolens IPLA 20019, isolated from human breast milk. <i>Journal of Bacteriology</i> , 2012 , 194, 4776-7	3.5	9
44	Proteomic profile of extracellular vesicles released by Lactiplantibacillus plantarum BGAN8 and their internalization by non-polarized HT29 cell line. <i>Scientific Reports</i> , 2020 , 10, 21829	4.9	9
43	Human cecum content modulates production of extracellular proteins by food and probiotic bacteria. <i>FEMS Microbiology Letters</i> , 2011 , 324, 189-94	2.9	8
42	Molecular pharmacological characterization of two multidrug transporters in Lactococcus lactis 2000 , 85, 245-9		8
41	Decoding the Genomic Variability among Members of the Species. <i>Microorganisms</i> , 2020 , 8,	4.9	7
40	subsp. CECT7210 (IM-1) Displays In Vitro Activity against Some Intestinal Pathogens. <i>Nutrients</i> , 2020 , 12,	6.7	7
39	Evolutionary development and co-phylogeny of primate-associated bifidobacteria. <i>Environmental Microbiology</i> , 2020 , 22, 3375-3393	5.2	7
38	Dual-coated lactic acid bacteria: an emerging innovative technology in the field of probiotics. <i>Future Microbiology</i> , 2016 , 11, 467-75	2.9	7
37	Multidrug resistance in lactic acid bacteria: molecular mechanisms and clinical relevance. <i>Antonie Van Leeuwenhoek</i> , 1999 , 76, 347-352	2.1	7
36	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> , 2005 , 85, 113-123		7
35	Oleanolic acid ameliorates intestinal alterations associated with EAE. <i>Journal of Neuroinflammation</i> , 2020 , 17, 363	10.1	7
34	Diet: Cause or Consequence of the Microbial Profile of Cholelithiasis Disease?. <i>Nutrients</i> , 2018 , 10,	6.7	7
33	The role of gut microbiota in lupus: what we know in 2018?. <i>Expert Review of Clinical Immunology</i> , 2018 , 14, 787-792	5.1	7

32	Microbiota and oxidant-antioxidant balance in systemic lupus erythematosus. <i>Nutricion Hospitalaria</i> , 2017 , 34, 934-941	1	6
31	Fatty acids intake and immune parameters in the elderly. <i>Nutricion Hospitalaria</i> , 2013 , 28, 474-8	1	6
30	Artichoke pectic oligosaccharide characterisation and virtual screening of prebiotic properties using in silico colonic fermentation. <i>Carbohydrate Polymers</i> , 2021 , 255, 117367	10.3	6
29	Abdominal distension after eating lettuce: The role of intestinal gas evaluated in vitro and by abdominal CT imaging. <i>Neurogastroenterology and Motility</i> , 2019 , 31, e13703	4	5
28	Degenerate PCR primers for detecting putative priming glycosyltransferase genes in Bifidobacterium strains. <i>Beneficial Microbes</i> , 2015 , 6, 553-62	4.9	5
27	Biological Activities and Applications of Bifidobacterial Exopolysaccharides: From the Bacteria and Host Perspective 2018 , 177-193		4
26	Co-culture affects protein profile and heat tolerance of Lactobacillus delbrueckii subsp. lactis and Bifidobacterium longum. <i>Food Research International</i> , 2013 , 54, 1080-1083	7	4
25	Production of human growth hormone by Lactococcus lactis. <i>Journal of Bioscience and Bioengineering</i> , 2010 , 109, 322-4	3.3	4
24	Revisiting the Metabolic Capabilities of susbp. and subsp. from a Glycoside Hydrolase Perspective. <i>Microorganisms</i> , 2020 , 8,	4.9	3
23	Approach for Unveiling the Glycoside Hydrolase Activities in Through a Systematic and Integrative Large-Scale Analysis. <i>Frontiers in Microbiology</i> , 2019 , 10, 517	5.7	3
22	Human colon-derived soluble factors modulate gut microbiota composition. <i>Frontiers in Oncology</i> , 2015 , 5, 86	5.3	3
21	Fluorescence spectroscopy: a rapid tool for assessing tetracycline resistance in Bifidobacterium longum. <i>Canadian Journal of Microbiology</i> , 2006 , 52, 740-6	3.2	3
20	In silico and functional analyses of immunomodulatory peptides encrypted in the human gut metaproteome. <i>Journal of Functional Foods</i> , 2020 , 70, 103969	5.1	2
19	Genome sequence of the immunomodulatory strain Bifidobacterium bifidum LMG 13195. <i>Journal of Bacteriology</i> , 2012 , 194, 6997	3.5	2
18	Stress Responses of Bifidobacteria 2011 , 323-347		2
17	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> , 2021 , 118, 399-417	15.3	2
16	The extracellular proteins of Lactobacillus acidophilus DSM 20079T display anti-inflammatory effect in both in piglets, healthy human donors and Crohn's Disease patients. <i>Journal of Functional Foods</i> , 2020 , 64, 103660	5.1	2
15	Cell wall hydrolase as a surface-associated protein target for the specific detection of Lactobacillus rhamnosus using flow cytometry. <i>Innovative Food Science and Emerging Technologies</i> , 2020 , 59, 102240	6.8	2

14	Genetic insights into the dark matter of the mammalian gut microbiota through targeted genome reconstruction. <i>Environmental Microbiology</i> , 2021 , 23, 3294-3305	5.2	2
13	gen. nov., sp. nov., a bile-resistant bacterium from human bile with autolytic behavior. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021 , 71,	2.2	2
12	Resequencing the Genome of Strain CECT7263. <i>Genome Announcements</i> , 2017 , 5,		1
11	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> , 2020 , 11, 601233	5.7	1
10	Computational Approach to the Systematic Prediction of Glycolytic Abilities: Looking Into Human Microbiota. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , 18, 2302-2313	3	1
9	Phylogenetic classification of ten novel species belonging to the genus Bifidobacterium comprising B. phasiani sp. nov., B. pongonis sp. nov., B. saguinibicoloris sp. nov., B. colobi sp. nov., B. simiiventris sp. nov., B. santillanense sp. nov., B. miconis sp. nov., B. amazonense sp. nov., B. pluvialisvrae sp. nov., and B. miconisargentati sp. nov. <i>Systematic and Applied Microbiology</i> , 2021 , 44, 1262773	4.2	1
8	Improving Probiotics for Functional Foods351-368		1
7	Methods for Isolation and Recovery of Bifidobacteria. <i>Methods in Molecular Biology</i> , 2021 , 2278, 1-12	1.4	1
6	Precision modification of the human gut microbiota targeting surface-associated proteins. <i>Scientific Reports</i> , 2021 , 11, 1270	4.9	1
5	Determination of Bile Salt Hydrolase Activity in Bifidobacteria. <i>Methods in Molecular Biology</i> , 2021 , 2278, 149-155	1.4	1
4	Probiotic Microorganisms 2008 , 1-176		0
3	Mechanisms of Gut Microbiota Modulation by Food, Probiotics, Prebiotics and More 2021 , 84-84		0
2	Reply: "Letter to the editor Re: Diaz M., et al. 2018, , 1481". <i>Nutrients</i> , 2019 , 11,	6.7	
1	Evidence of the In Vitro and In Vivo Immunological Relevance of Bifidobacteria 2018 , 295-305		