

# Borja Sanchez

## List of Publications by Year in descending order

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141  
papers

9,631  
citations

36203

51  
h-index

40881

93  
g-index

144  
all docs

144  
docs citations

144  
times ranked

10728  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probiotics, gut microbiota, and their influence on host health and disease. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600240.	1.5	678
2	Intestinal Dysbiosis Associated with Systemic Lupus Erythematosus. <i>MBio</i> , 2014, 5, e01548-14.	1.8	500
3	Antibiotic resistance in probiotic bacteria. <i>Frontiers in Microbiology</i> , 2013, 4, 202.	1.5	417
4	Bile resistance mechanisms in <i>Lactobacillus</i> and <i>Bifidobacterium</i> . <i>Frontiers in Microbiology</i> , 2013, 4, 396.	1.5	367
5	Intestinal Microbiota Development in Preterm Neonates and Effect of Perinatal Antibiotics. <i>Journal of Pediatrics</i> , 2015, 166, 538-544.	0.9	329
6	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> , 2010, 107, 19514-19519.	3.3	324
7	<i>Bifidobacteria</i> and Their Health-Promoting Effects. <i>Microbiology Spectrum</i> , 2017, 5, .	1.2	266
8	Assessing the Fecal Microbiota: An Optimized Ion Torrent 16S rRNA Gene-Based Analysis Protocol. <i>PLoS ONE</i> , 2013, 8, e68739.	1.1	257
9	<i>Bifidobacteria</i> exhibit social behavior through carbohydrate resource sharing in the gut. <i>Scientific Reports</i> , 2015, 5, 15782.	1.6	233
10	<i>Bifidobacteria</i> and Their Molecular Communication with the Immune System. <i>Frontiers in Microbiology</i> , 2017, 8, 2345.	1.5	221
11	Role of sortase-dependent pili of <i>Bifidobacterium bifidum</i> PRL2010 in modulating bacterium-host interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11151-11156.	3.3	217
12	Genomic Encyclopedia of Type Strains of the Genus <i>Bifidobacterium</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 6290-6302.	1.4	203
13	Th17 responses and natural IgM antibodies are related to gut microbiota composition in systemic lupus erythematosus patients. <i>Scientific Reports</i> , 2016, 6, 24072.	1.6	188
14	Extracellular proteins secreted by probiotic bacteria as mediators of effects that promote mucosa-bacteria interactions. <i>Microbiology (United Kingdom)</i> , 2010, 156, 3232-3242.	0.7	185
15	Proteomic Analysis of Global Changes in Protein Expression during Bile Salt Exposure of <i>Bifidobacterium longum</i> NCIMB 8809. <i>Journal of Bacteriology</i> , 2005, 187, 5799-5808.	1.0	182
16	Low-pH Adaptation and the Acid Tolerance Response of <i>Bifidobacterium longum</i> Biotype longum. <i>Applied and Environmental Microbiology</i> , 2007, 73, 6450-6459.	1.4	173
17	Intestinal Bacteria Interplay With Bile and Cholesterol Metabolism: Implications on Host Physiology. <i>Frontiers in Physiology</i> , 2019, 10, 185.	1.3	171
18	Genomic Overview and Biological Functions of Exopolysaccharide Biosynthesis in <i>Bifidobacterium</i> spp. <i>Applied and Environmental Microbiology</i> , 2014, 80, 9-18.	1.4	159

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19	Effect of the adaptation to high bile salts concentrations on glycosidic activity, survival at low PH and cross-resistance to bile salts in <i>Bifidobacterium</i> . <i>International Journal of Food Microbiology</i> , 2004, 94, 79-86.	2.1	125
20	Adaptation and Response of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> to Bile: a Proteomic and Physiological Approach. <i>Applied and Environmental Microbiology</i> , 2007, 73, 6757-6767.	1.4	125
21	<i>Bifidobacterium asteroides</i> PRL2011 Genome Analysis Reveals Clues for Colonization of the Insect Gut. <i>PLoS ONE</i> , 2012, 7, e44229.	1.1	123
22	Exported proteins in probiotic bacteria: adhesion to intestinal surfaces, host immunomodulation and molecular cross-talking with the host. <i>FEMS Immunology and Medical Microbiology</i> , 2008, 54, 1-17.	2.7	122
23	Role of Extracellular Transaldolase from <i>Bifidobacterium bifidum</i> in Mucin Adhesion and Aggregation. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3992-3998.	1.4	109
24	Impact of Prematurity and Perinatal Antibiotics on the Developing Intestinal Microbiota: A Functional Inference Study. <i>International Journal of Molecular Sciences</i> , 2016, 17, 649.	1.8	109
25	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> , 2011, 147, 97-104.	2.1	108
26	The human gallbladder microbiome is related to the physiological state and the biliary metabolic profile. <i>Microbiome</i> , 2019, 7, 100.	4.9	101
27	Evaluation of genetic diversity among strains of the human gut commensal <i>Bifidobacterium adolescentis</i> . <i>Scientific Reports</i> , 2016, 6, 23971.	1.6	97
28	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.	2.2	95
29	How do bifidobacteria counteract environmental challenges? Mechanisms involved and physiological consequences. <i>Genes and Nutrition</i> , 2011, 6, 307-318.	1.2	94
30	Allergic Patients with Long-Term Asthma Display Low Levels of <i>Bifidobacterium adolescentis</i> . <i>PLoS ONE</i> , 2016, 11, e0147809.	1.1	90
31	Molecular Players Involved in the Interaction Between Beneficial Bacteria and the Immune System. <i>Frontiers in Microbiology</i> , 2015, 6, 1285.	1.5	88
32	Cell envelope changes in <i>Bifidobacterium animalis</i> ssp. <i>lactis</i> as a response to bile. <i>FEMS Microbiology Letters</i> , 2007, 274, 316-322.	0.7	85
33	The F1FO-ATPase of <i>Bifidobacterium animalis</i> is involved in bile tolerance. <i>Environmental Microbiology</i> , 2006, 8, 1825-1833.	1.8	83
34	The cell-envelope proteome of <i>Bifidobacterium longum</i> in an in vitro bile environment. <i>Microbiology (United Kingdom)</i> , 2009, 155, 957-967.	0.7	82
35	Identification of surface proteins involved in the adhesion of a probiotic <i>Bacillus cereus</i> strain to mucin and fibronectin. <i>Microbiology (United Kingdom)</i> , 2009, 155, 1708-1716.	0.7	80
36	Insights from genomes of representatives of the human gut commensal <i>Bifidobacterium bifidum</i> . <i>Environmental Microbiology</i> , 2015, 17, 2515-2531.	1.8	80

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37	Inside the adaptation process of <i>Lactobacillus delbrueckii</i> subsp. <i>lactis</i> to bile. <i>International Journal of Food Microbiology</i> , 2010, 142, 132-141.	2.1	78
38	Microbiota/Host Crosstalk Biomarkers: Regulatory Response of Human Intestinal Dendritic Cells Exposed to <i>Lactobacillus</i> Extracellular Encrypted Peptide. <i>PLoS ONE</i> , 2012, 7, e36262.	1.1	78
39	Molecules Produced by Probiotics and Intestinal Microorganisms with Immunomodulatory Activity. <i>Nutrients</i> , 2020, 12, 391.	1.7	74
40	Treg-inducing membrane vesicles from <i>Bifidobacterium bifidum</i> LMG13195 as potential adjuvants in immunotherapy. <i>Vaccine</i> , 2012, 30, 825-829.	1.7	69
41	Factors involved in the colonization and survival of bifidobacteria in the gastrointestinal tract. <i>FEMS Microbiology Letters</i> , 2013, 340, 1-10.	0.7	68
42	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.	1.6	68
43	Bile acid-microbiota crosstalk in gastrointestinal inflammation and carcinogenesis: a role for bifidobacteria and lactobacilli?. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018, 15, 205-205.	8.2	68
44	Characterisation of a <i>Bifidobacterium</i> strain with acquired resistance to cholesterol. A preliminary study. <i>International Journal of Food Microbiology</i> , 2003, 82, 191-198.	2.1	66
45	Evidence for cholesterol-lowering activity by <i>Bifidobacterium bifidum</i> PRL2010 through gut microbiota modulation. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 6813-6829.	1.7	64
46	Characterization and Exploitation of CRISPR Loci in <i>Bifidobacterium longum</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1851.	1.5	64
47	Association of Polyphenols from Oranges and Apples with Specific Intestinal Microorganisms in Systemic Lupus Erythematosus Patients. <i>Nutrients</i> , 2015, 7, 1301-1317.	1.7	60
48	Probiotic fermented milks: Present and future. <i>International Journal of Dairy Technology</i> , 2009, 62, 472-483.	1.3	57
49	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, 1132-1143.	1.5	56
50	From amino acid sequence to bioactivity: The biomedical potential of antitumor peptides. <i>Protein Science</i> , 2016, 25, 1084-1095.	3.1	55
51	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.	1.5	52
52	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, 2850-2857.	1.4	52
53	Adaptation of bifidobacteria to the gastrointestinal tract and functional consequences. <i>Pharmacological Research</i> , 2013, 69, 127-136.	3.1	48
54	Identification of novel proteins secreted by <i>Lactobacillus rhamnosus</i> GG grown in de Mann-Rogosa-Sharpe broth. <i>Letters in Applied Microbiology</i> , 2009, 48, 618-622.	1.0	46

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55	Characterization of the bile and gall bladder microbiota of healthy pigs. <i>MicrobiologyOpen</i> , 2014, 3, 937-949.	1.2	46
56	Proteomics of stress response in <i>Bifidobacterium</i> . <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 6905.	3.0	45
57	Extracellular molecular effectors mediating probiotic attributes. <i>FEMS Microbiology Letters</i> , 2014, 359, 1-11.	0.7	45
58	Toward improving technological and functional properties of probiotics in foods. <i>Trends in Food Science and Technology</i> , 2012, 26, 56-63.	7.8	44
59	Catabolism of Glucose and Lactose in <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> , Studied by <sup>13</sup> C Nuclear Magnetic Resonance. <i>Applied and Environmental Microbiology</i> , 2013, 79, 7628-7638.	1.4	44
60	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.	1.6	44
61	Different metabolic features of <i>Bacteroides fragilis</i> growing in the presence of glucose and exopolysaccharides of bifidobacteria. <i>Frontiers in Microbiology</i> , 2015, 6, 825.	1.5	44
62	Intestinal dysbiosis in systemic lupus erythematosus: cause or consequence?. <i>Current Opinion in Rheumatology</i> , 2016, 28, 515-522.	2.0	43
63	Identification of Novel Proteins Secreted by <i>Lactobacillus plantarum</i> That Bind to Mucin and Fibronectin. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2009, 17, 158-162.	1.0	40
64	Tackling probiotic and gut microbiota functionality through proteomics. <i>Journal of Proteomics</i> , 2016, 147, 28-39.	1.2	40
65	Molecular Clues To Understand the Aerotolerance Phenotype of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 644-650.	1.4	39
66	<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> , 2011, 77, 1123-1126.	1.4	38
67	A Single Mutation in the Gene Responsible for the Mucoïd Phenotype of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> Confers Surface and Functional Characteristics. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7960-7968.	1.4	38
68	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, 148-153.	2.1	37
69	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> , 2012, 78, 3338-3342.	1.4	37
70	Characterization of the adherence properties of human <i>Lactobacilli</i> strains to be used as vaginal probiotics. <i>FEMS Microbiology Letters</i> , 2012, 328, 166-173.	0.7	37
71	Identification and molecular characterization of oat peptides implicated on coeliac immune response. <i>Food and Nutrition Research</i> , 2016, 60, 30324.	1.2	33
72	Bacterial and Eukaryotic Phosphoketolases: Phylogeny, Distribution and Evolution. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2010, 18, 37-51.	1.0	31

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73	A Preliminary Analysis of <i>Bifidobacterium longum</i> Exported Proteins by Two-Dimensional Electrophoresis. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2008, 14, 74-79.	1.0	30
74	Omics for the study of probiotic microorganisms. <i>Food Research International</i> , 2013, 54, 1061-1071.	2.9	30
75	Interaction of Intestinal Microorganisms with the Human Host in the Framework of Autoimmune Diseases. <i>Frontiers in Immunology</i> , 2015, 6, 594.	2.2	30
76	Proteinaceous Molecules Mediating <i>Bifidobacterium</i> -Host Interactions. <i>Frontiers in Microbiology</i> , 2016, 7, 1193.	1.5	30
77	MAHMI database: a comprehensive MetaHit-based resource for the study of the mechanism of action of the human microbiota. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, baw157.	1.4	29
78	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> , 2020, 10, 21829.	1.6	29
79	Identification of surface-associated proteins in the probiotic bacterium <i>Lactobacillus rhamnosus</i> GG. <i>International Dairy Journal</i> , 2009, 19, 85-88.	1.5	27
80	A method for the identification of proteins secreted by lactic acid bacteria grown in complex media. <i>FEMS Microbiology Letters</i> , 2009, 295, 226-229.	0.7	26
81	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, 6059-6066.	1.4	26
82	Phenolic compounds from red wine and coffee are associated with specific intestinal microorganisms in allergic subjects. <i>Food and Function</i> , 2016, 7, 104-109.	2.1	26
83	Immunomodulatory Effect of Gut Microbiota-Derived Bioactive Peptides on Human Immune System from Healthy Controls and Patients with Inflammatory Bowel Disease. <i>Nutrients</i> , 2019, 11, 2605.	1.7	26
84	A flagellin-producing <i>Lactococcus</i> strain: interactions with mucin and enteropathogens. <i>FEMS Microbiology Letters</i> , 2011, 318, 101-107.	0.7	24
85	Enhancing probiotic stability in industrial processes. <i>Microbial Ecology in Health and Disease</i> , 2012, 23, .	3.8	22
86	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, 1-8.	0.9	22
87	The Effects of <i>Bifidobacterium breve</i> on Immune Mediators and Proteome of HT29 Cells Monolayers. <i>BioMed Research International</i> , 2015, 2015, 1-6.	0.9	21
88	BlasterJS: A novel interactive JavaScript visualisation component for BLAST alignment results. <i>PLoS ONE</i> , 2018, 13, e0205286.	1.1	21
89	In Silico Screening of the Human Gut Metaproteome Identifies Th17-Promoting Peptides Encrypted in Proteins of Commensal Bacteria. <i>Frontiers in Microbiology</i> , 2017, 8, 1726.	1.5	20
90	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, 3870-3874.	1.4	19

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91	Intestinal Microbiota as Modulators of the Immune System. <i>Journal of Immunology Research</i> , 2015, 2015, 1-4.	0.9	19
92	Extracellular Proteins from <i>Lactobacillus plantarum</i> BMC12 Prevent Adhesion of Enteropathogens to Mucin. <i>Current Microbiology</i> , 2012, 64, 592-596.	1.0	18
93	Assessment of stress tolerance acquisition in the heat-tolerant derivative strains of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> BB-12 and <i>Lactobacillus rhamnosus</i> GG. <i>Journal of Applied Microbiology</i> , 2014, 117, 239-248.	1.4	18
94	Bioactive compounds from regular diet and faecal microbial metabolites. <i>European Journal of Nutrition</i> , 2018, 57, 487-497.	1.8	18
95	Filling the gap between collection, transport and storage of the human gut microbiota. <i>Scientific Reports</i> , 2019, 9, 8327.	1.6	18
96	Adhesive Properties, Extracellular Protein Production, and Metabolism in the <i>Lactobacillus rhamnosus</i> GG Strain when Grown in the Presence of Mucin. <i>Journal of Microbiology and Biotechnology</i> , 2010, 20, 978-984.	0.9	18
97	Genome Sequence of the Antarctic Psychrophile Bacterium <i>Planococcus antarcticus</i> DSM 14505. <i>Journal of Bacteriology</i> , 2012, 194, 4465-4465.	1.0	16
98	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, 160-168.	2.1	15
99	Effect of iron on the probiotic properties of the vaginal isolate <i>Lactobacillus jensenii</i> CECT 4306. <i>Microbiology (United Kingdom)</i> , 2015, 161, 708-718.	0.7	15
100	Molecular and technological insights into the aerotolerance of anaerobic probiotics: examples from bifidobacteria. <i>Current Opinion in Food Science</i> , 2017, 14, 110-115.	4.1	15
101	Role of lactic acid bacteria in fermented vegetables. <i>Grasas Y Aceites</i> , 2020, 71, 358.	0.3	15
102	Acquired resistance to bile increases fructose-6-phosphate phosphoketolase activity in <i>Bifidobacterium</i> . <i>FEMS Microbiology Letters</i> , 2004, 235, 35-41.	0.7	14
103	Bifidobacteria and Their Health-Promoting Effects. , 2018, , 73-98.		13
104	<i>Ruminococcoides bili</i> 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, .	0.8	13
105	A Metabolomics Approach Reveals Immunomodulatory Effects of Proteinaceous Molecules Derived From Gut Bacteria Over Human Peripheral Blood Mononuclear Cells. <i>Frontiers in Microbiology</i> , 2018, 9, 2701.	1.5	12
106	The role of gut microbiota in lupus: what we know in 2018?. <i>Expert Review of Clinical Immunology</i> , 2018, 14, 787-792.	1.3	11
107	Revisiting the Metabolic Capabilities of <i>Bifidobacterium longum</i> subsp. <i>longum</i> and <i>Bifidobacterium longum</i> subsp. <i>infantis</i> from a Glycoside Hydrolase Perspective. <i>Microorganisms</i> , 2020, 8, 723.	1.6	11
108	Human cecum content modulates production of extracellular proteins by food and probiotic bacteria. <i>FEMS Microbiology Letters</i> , 2011, 324, 189-194.	0.7	10

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109	Recent Advances and Future Perspective in Microbiota and Probiotics. BioMed Research International, 2015, 2015, 1-2.	0.9	10
110	Biological Activities and Applications of Bifidobacterial Exopolysaccharides: From the Bacteria and Host Perspective. , 2018, , 177-193.		10
111	Resources and tools for the high-throughput, multi-omic study of intestinal microbiota. Briefings in Bioinformatics, 2019, 20, 1032-1056.	3.2	10
112	Microbiota and oxidant-antioxidant balance in systemic lupus erythematosus. Nutricion Hospitalaria, 2017, 34, 934-941.	0.2	10
113	Genome Sequence of Parascardovia denticolens IPLA 20019, Isolated from Human Breast Milk. Journal of Bacteriology, 2012, 194, 4776-4777.	1.0	9
114	Metataxonomic analysis of the bacterial diversity in table olive dressing components. Food Control, 2019, 105, 190-197.	2.8	9
115	DEWE: A novel tool for executing differential expression RNA-Seq workflows in biomedical research. Computers in Biology and Medicine, 2019, 107, 197-205.	3.9	9
116	Peptides encrypted in the human intestinal microbial-exoproteome as novel biomarkers and immunomodulatory compounds in the gastrointestinal tract. Journal of Functional Foods, 2019, 52, 459-468.	1.6	9
117	A proteomic approach towards understanding the cross talk between <i>Bacteroides fragilis</i> and <i>Bifidobacterium longum</i> in coculture. Canadian Journal of Microbiology, 2016, 62, 623-628.	0.8	8
118	In silico Approach for Unveiling the Glycoside Hydrolase Activities in Faecalibacterium prausnitzii Through a Systematic and Integrative Large-Scale Analysis. Frontiers in Microbiology, 2019, 10, 517.	1.5	8
119	In silico prediction reveals the existence of potential bioactive neuropeptides produced by the human gut microbiota. Food Research International, 2019, 119, 221-226.	2.9	8
120	Metabolomics Insights of the Immunomodulatory Activities of Phlorizin and Phloretin on Human THP-1 Macrophages. Molecules, 2021, 26, 787.	1.7	8
121	Effect of acquired resistance to bile salts on enzymatic activities involved in the utilisation of carbohydrates by bifidobacteria. An overview. Dairy Science and Technology, 2005, 85, 113-123.	0.9	8
122	Some immunomodulatory effects of probiotic bacteria might be due to porcine neutrophil elastase inhibitor, a serpin present in MRS broth. Immunology Letters, 2009, 122, 99-100.	1.1	6
123	The extracellular proteins of Lactobacillus acidophilus DSM 20079T display anti-inflammatory effect in both in piglets, healthy human donors and Crohn's Disease patients. Journal of Functional Foods, 2020, 64, 103660.	1.6	6
124	Precision modification of the human gut microbiota targeting surface-associated proteins. Scientific Reports, 2021, 11, 1270.	1.6	6
125	Co-culture affects protein profile and heat tolerance of Lactobacillus delbrueckii subsp. lactis and Bifidobacterium longum. Food Research International, 2013, 54, 1080-1083.	2.9	5
126	Human Colon-Derived Soluble Factors Modulate Gut Microbiota Composition. Frontiers in Oncology, 2015, 5, 86.	1.3	5

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127	Exopolysaccharide Producing Bifidobacterium animalis subsp. lactis 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.	1.5	5
128	A peptidome-based phylogeny pipeline reveals differential peptides at the strain level within Bifidobacterium animalis subsp. lactis. <i>Food Microbiology</i> , 2016, 60, 137-141.	2.1	4
129	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.	2.7	4
130	Determination of Bile Salt Hydrolase Activity in Bifidobacteria. <i>Methods in Molecular Biology</i> , 2021, 2278, 149-155.	0.4	4
131	Improving Phylogeny Reconstruction at the Strain Level Using Peptidome Datasets. <i>PLoS Computational Biology</i> , 2016, 12, e1005271.	1.5	4
132	Genome Sequence of the Immunomodulatory Strain Bifidobacterium bifidum LMG 13195. <i>Journal of Bacteriology</i> , 2012, 194, 6997-6997.	1.0	3
133	Computational approach to the systematic prediction of glycolytic abilities: looking into human microbiota. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020, 18, 1-1.	1.9	3
134	In silico and functional analyses of immunomodulatory peptides encrypted in the human gut metaproteome. <i>Journal of Functional Foods</i> , 2020, 70, 103969.	1.6	3
135	Convergence of flow cytometry and bacteriology. Current and future applications: a focus on food and clinical microbiology. <i>Critical Reviews in Microbiology</i> , 2023, 49, 556-577.	2.7	3
136	Whole fractions from probiotic bacteria induce in vitro Th17 responses in human peripheral blood mononuclear cells. <i>Journal of Functional Foods</i> , 2018, 48, 367-373.	1.6	2
137	Computational prediction of the bioactivity potential of proteomes based on expert knowledge. <i>Journal of Biomedical Informatics</i> , 2019, 91, 103121.	2.5	2
138	Unravelling the immunomodulatory role of apple phenolic rich extracts on human THP-1- derived macrophages using multiplatform metabolomics. <i>Food Research International</i> , 2022, 155, 111037.	2.9	2
139	P4P: a peptidome-based strain-level genome comparison web tool. <i>Nucleic Acids Research</i> , 2017, 45, W265-W269.	6.5	1
140	Microbiota-Derived Î²-Amyloid-like Peptides Trigger Alzheimerâ€™s Disease-Related Pathways in the SH-SY5Y Neural Cell Line. <i>Nutrients</i> , 2021, 13, 3868.	1.7	1
141	Evidence of the In Vitro and In Vivo Immunological Relevance of Bifidobacteria. , 2018, , 295-305.		0