

Alfonso Benitez-Paez

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.

65 papers	1,774 citations	25 h-index	41 g-index
69 ext. papers	2,406 ext. citations	5.5 avg, IF	5.21 L-index

#	Paper	IF	Citations
65	Gut bless you: The microbiota-gut-brain axis in irritable bowel syndrome.. <i>World Journal of Gastroenterology</i> , 2022 , 28, 412-431	5.6	1
64	Bacteroides uniformis CECT 7771 alleviates inflammation within the gut-adipose tissue axis involving TLR5 signaling in obese mice. <i>Scientific Reports</i> , 2021 , 11, 11788	4.9	6
63	Holdemanella biformis improves glucose tolerance and regulates GLP-1 signaling in obese mice. <i>FASEB Journal</i> , 2021 , 35, e21734	0.9	1
62	Bacteroides uniformis CECT 7771 Modulates the Brain Reward Response to Reduce Binge Eating and Anxiety-Like Behavior in Rat. <i>Molecular Neurobiology</i> , 2021 , 58, 4959-4979	6.2	2
61	combined with fiber amplifies metabolic and immune benefits in obese mice. <i>Gut Microbes</i> , 2021 , 13, 1-20	8.8	18
60	Sex, Food, and the Gut Microbiota: Disparate Response to Caloric Restriction Diet with Fiber Supplementation in Women and Men. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2000996	5.9	7
59	Microbial enterotypes beyond genus level: species as a predictive biomarker for weight change upon controlled intervention with arabinoxylan oligosaccharides in overweight subjects. <i>Gut Microbes</i> , 2020 , 12, 1847627	8.8	9
58	Breast-Milk Microbiota Linked to Celiac Disease Development in Children: A Pilot Study From the PreventCD Cohort. <i>Frontiers in Microbiology</i> , 2020 , 11, 1335	5.7	18
57	Safety Assessment of CECT 7771, a Symbiont of the Gut Microbiota in Infants. <i>Nutrients</i> , 2020 , 12,	6.7	11
56	Gut microbiota profiles in critically ill patients, potential biomarkers and risk variables for sepsis. <i>Gut Microbes</i> , 2020 , 12, 1707610	8.8	31
55	Study protocol of the Bergen brain-gut-microbiota-axis study: A prospective case-report characterization and dietary intervention study to evaluate the effects of microbiota alterations on cognition and anatomical and functional brain connectivity in patients with irritable bowel syndrome. <i>Medicine (United States)</i> , 2020 , 99, e21350	1.8	5
54	Infusion of donor feces affects the gut-brain axis in humans with metabolic syndrome. <i>Molecular Metabolism</i> , 2020 , 42, 101076	8.8	15
53	Nutritional interest of dietary fiber and prebiotics in obesity: Lessons from the MyNewGut consortium. <i>Clinical Nutrition</i> , 2020 , 39, 414-424	5.9	51
52	Arabinoxylan oligosaccharides and polyunsaturated fatty acid effects on gut microbiota and metabolic markers in overweight individuals with signs of metabolic syndrome: A randomized cross-over trial. <i>Clinical Nutrition</i> , 2020 , 39, 67-79	5.9	44
51	The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention. <i>European Journal of Nutrition</i> , 2020 , 59, 2507-2524	5.2	18
50	Depletion of Species in the Microbiota of Obese Children Relates to Intestinal Inflammation and Metabolic Phenotype Worsening. <i>MSystems</i> , 2020 , 5,	7.6	77
49	#EUROmicroMOOC: using Twitter to share trends in Microbiology worldwide. <i>FEMS Microbiology Letters</i> , 2019 , 366,	2.9	5

48	A Multi-omics Approach to Unraveling the Microbiome-Mediated Effects of Arabinoxylan Oligosaccharides in Overweight Humans. <i>MSystems</i> , 2019 , 4,	7.6	40
47	Agarose-based freeze-dried capsules prepared by the oil-induced biphasic hydrogel particle formation approach for the protection of sensitive probiotic bacteria. <i>Food Hydrocolloids</i> , 2019 , 87, 487-496	18.6	34
46	Dietary fat, the gut microbiota, and metabolic health - A systematic review conducted within the MyNewGut project. <i>Clinical Nutrition</i> , 2019 , 38, 2504-2520	5.9	106
45	Bifidobacterium pseudocatenulatum CECT 7765 supplementation improves inflammatory status in insulin-resistant obese children. <i>European Journal of Nutrition</i> , 2019 , 58, 2789-2800	5.2	25
44	Increased prevalence of pathogenic bacteria in the gut microbiota of infants at risk of developing celiac disease: The PROFICEL study. <i>Gut Microbes</i> , 2018 , 9, 551-558	8.8	37
43	Gut microbiota trajectory in early life may predict development of celiac disease. <i>Microbiome</i> , 2018 , 6, 36	16.6	69
42	Plant sterols and human gut microbiota relationship: An in vitro colonic fermentation study. <i>Journal of Functional Foods</i> , 2018 , 44, 322-329	5.1	13
41	Towards microbiome-informed dietary recommendations for promoting metabolic and mental health: Opinion papers of the MyNewGut project. <i>Clinical Nutrition</i> , 2018 , 37, 2191-2197	5.9	20
40	The Potential Role of the Dipeptidyl Peptidase-4-Like Activity From the Gut Microbiota on the Host Health. <i>Frontiers in Microbiology</i> , 2018 , 9, 1900	5.7	29
39	Pre-obese children's dysbiotic gut microbiome and unhealthy diets may predict the development of obesity. <i>Communications Biology</i> , 2018 , 1, 222	6.7	41
38	Bacillus subtilis exhibits MnmC-like tRNA modification activities. <i>RNA Biology</i> , 2018 , 15, 1167-1173	4.8	6
37	Gut microbiota, diet, and obesity-related disorders-The good, the bad, and the future challenges. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600252	5.9	106
36	Bifidobacterium CECT 7765 modulates early stress-induced immune, neuroendocrine and behavioral alterations in mice. <i>Brain, Behavior, and Immunity</i> , 2017 , 65, 43-56	16.6	87
35	Multi-locus and long amplicon sequencing approach to study microbial diversity at species level using the MinION portable nanopore sequencer. <i>GigaScience</i> , 2017 , 6, 1-12	7.6	48
34	From Bacterial Genomics to Human Health 2017 , 159-172		
33	The Glycolytic Versatility of CECT 7771 and Its Genome Response to Oligo and Polysaccharides. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 383	5.9	29
32	Pangenome-wide and molecular evolution analyses of the Pseudomonas aeruginosa species. <i>BMC Genomics</i> , 2016 , 17, 45	4.5	59
31	Species-level resolution of 16S rRNA gene amplicons sequenced through the MinION portable nanopore sequencer. <i>GigaScience</i> , 2016 , 5, 4	7.6	123

30	Targeting the Microbiota 2016 , 17-30		1
29	<i>Lactobacillus fermentum</i> CRL1446 Ameliorates Oxidative and Metabolic Parameters by Increasing Intestinal Feruloyl Esterase Activity and Modulating Microbiota in Caloric-Restricted Mice. <i>Nutrients</i> , 2016 , 8,	6.7	22
28	Genome Structure of the Symbiont <i>Bifidobacterium pseudocatenulatum</i> CECT 7765 and Gene Expression Profiling in Response to Lactulose-Derived Oligosaccharides. <i>Frontiers in Microbiology</i> , 2016 , 7, 624	5.7	7
27	Impact of dietary fiber and fat on gut microbiota re-modeling and metabolic health. <i>Trends in Food Science and Technology</i> , 2016 , 57, 201-212	15.3	37
26	<i>Streptococcus dentisani</i> sp. nov., a novel member of the mitis group. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014 , 64, 60-65	2.2	48
25	Evolutionary and sequence-based relationships in bacterial AdoMet-dependent non-coding RNA methyltransferases. <i>BMC Research Notes</i> , 2014 , 7, 440	2.3	9
24	Microbiota diversity and gene expression dynamics in human oral biofilms. <i>BMC Genomics</i> , 2014 , 15, 311	4.5	108
23	iTRAQ, The High Throughput Data Analysis of Proteins to Understand Immunologic Expression in Insect. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 387-394	0.4	
22	Development of quantitative proteomics using iTRAQ based on the immunological response of <i>Galleria mellonella</i> larvae challenged with <i>Fusarium oxysporum</i> microconidia. <i>PLoS ONE</i> , 2014 , 9, e112179	2.7	15
21	Impairing methylations at ribosome RNA, a point mutation-dependent strategy for aminoglycoside resistance: the rsmG case. <i>Biomedica</i> , 2014 , 34 Suppl 1, 41-9	0.9	11
20	<i>Streptococcus dentisani</i> sp. nov., a novel member of the mitis group. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014 , 64, 1073-1073	2.2	2
19	Mutaciones en genes modificadores de ARN ribosómico y la resistencia a aminoglucósidos: el caso del gen rsmG. <i>Biomedica</i> , 2013 , 34, 41	0.9	6
18	Detection of transient bacteraemia following dental extractions by 16S rDNA pyrosequencing: a pilot study. <i>PLoS ONE</i> , 2013 , 8, e57782	3.7	43
17	The <i>Escherichia coli</i> RlmN methyltransferase is a dual-specificity enzyme that modifies both rRNA and tRNA and controls translational accuracy. <i>Rna</i> , 2012 , 18, 1783-95	5.8	63
16	Regulation of expression and catalytic activity of <i>Escherichia coli</i> RsmG methyltransferase. <i>Rna</i> , 2012 , 18, 795-806	5.8	12
15	Enzymology of tRNA modification in the bacterial MnmEG pathway. <i>Biochimie</i> , 2012 , 94, 1510-20	4.6	52
14	A practical guide for the computational selection of residues to be experimentally characterized in protein families. <i>Briefings in Bioinformatics</i> , 2012 , 13, 329-36	13.4	9
13	Bioinformática en Colombia: presente y futuro de la investigación biocomputacional. <i>Biomedica</i> , 2010 , 30, 170	0.9	2

12	YibK is the 2'UO-methyltransferase TrmL that modifies the wobble nucleotide in Escherichia coli tRNA(Leu) isoacceptors. <i>Rna</i> , 2010 , 16, 2131-43	5.8	53
11	Considerations to improve functional annotations in biological databases. <i>OMICS A Journal of Integrative Biology</i> , 2009 , 13, 527-35	3.8	8
10	Structure-function analysis of Escherichia coli MnmG (GidA), a highly conserved tRNA-modifying enzyme. <i>Journal of Bacteriology</i> , 2009 , 191, 7614-9	3.5	37
9	Dissection of functional residues in receptor activity-modifying proteins through phylogenetic and statistical analyses. <i>Evolutionary Bioinformatics</i> , 2008 , 4, 153-69	1.9	6
8	Sequence analysis of the Receptor Activity-Modifying Proteins family, new putative peptides and structural conformation inference. <i>In Silico Biology</i> , 2006 , 6, 467-83	2	7
7	Population analysis from 12 microsatellite loci reveled by silver stain and assisted by computer software. <i>International Congress Series</i> , 2004 , 1261, 207-209		
6	Results of the GEP-ISFG collaborative study on two Y-STRs tetraplexes: GEPY I (DYS461, GATA C4, DYS437 and DYS438) and GEPY II (DYS460, GATA A10, GATA H4 and DYS439). <i>Forensic Science International</i> , 2003 , 135, 158-62	2.6	14
5	Allelic frequencies at 12 STR loci in Colombian population. <i>Forensic Science International</i> , 2003 , 136, 86-82.6		5
4	Population data of new Y-chromosome STRs GATA C4, DYS438, DYS437, GATA A7.2, GATA H4, DYS439 and GATA A10 in males from Colombia. <i>Forensic Science International</i> , 2003 , 135, 243-6	2.6	1
3	Species-level resolution of 16S rRNA gene amplicons sequenced through the MinION™ portable nanopore sequencer		1
2	Multi-locus and long amplicon sequencing approach to study microbial diversity at species level using the MinION™ portable nanopore sequencer		1
1	Strand-wise and bait-assisted assembly of nearly-full rRNA operons applied to assess species engraftment after faecal microbiota transplantation		3