Alfonso Benitez-Paez

List of Publications by Citations

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	Species-level resolution of 16S rRNA gene amplicons sequenced through the MinION portable nanopore sequencer. *GigaScience*, **2016**, 5, 4	7.6	123
64	Microbiota diversity and gene expression dynamics in human oral biofilms. *BMC Genomics*, **2014**, 15, 311	4.5	108
63	Gut microbiota, diet, and obesity-related disorders-The good, the bad, and the future challenges. *Molecular Nutrition and Food Research*, **2017**, 61, 1600252	5.9	106
62	Dietary fat, the gut microbiota, and metabolic health - A systematic review conducted within the MyNewGut project. *Clinical Nutrition*, **2019**, 38, 2504-2520	5.9	106
61	Bifidobacterium CECT 7765 modulates early stress-induced immune, neuroendocrine and behavioral alterations in mice. *Brain, Behavior, and Immunity*, **2017**, 65, 43-56	16.6	87
60	Depletion of Species in the Microbiota of Obese Children Relates to Intestinal Inflammation and Metabolic Phenotype Worsening. *MSystems*, **2020**, 5,	7.6	77
59	Gut microbiota trajectory in early life may predict development of celiac disease. *Microbiome*, **2018**, 6, 36	16.6	69
58	The Escherichia coli RlmN methyltransferase is a dual-specificity enzyme that modifies both rRNA and tRNA and controls translational accuracy. *Rna*, **2012**, 18, 1783-95	5.8	63
57	Pangenome-wide and molecular evolution analyses of the Pseudomonas aeruginosa species. *BMC Genomics*, **2016**, 17, 45	4.5	59
56	YibK is the 2′O-methyltransferase TrmL that modifies the wobble nucleotide in Escherichia coli tRNA(Leu) isoacceptors. *Rna*, **2010**, 16, 2131-43	5.8	53
55	Enzymology of tRNA modification in the bacterial MnmEG pathway. *Biochimie*, **2012**, 94, 1510-20	4.6	52
54	Nutritional interest of dietary fiber and prebiotics in obesity: Lessons from the MyNewGut consortium. *Clinical Nutrition*, **2020**, 39, 414-424	5.9	51
53	Multi-locus and long amplicon sequencing approach to study microbial diversity at species level using the MinION portable nanopore sequencer. *GigaScience*, **2017**, 6, 1-12	7.6	48
52	Streptococcus dentisani sp. nov., a novel member of the mitis group. *International Journal of Systematic and Evolutionary Microbiology*, **2014**, 64, 60-65	2.2	48
51	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. *Clinical Nutrition*, **2020**, 39, 67-79	5.9	44
50	Detection of transient bacteraemia following dental extractions by 16S rDNA pyrosequencing: a pilot study. *PLoS ONE*, **2013**, 8, e57782	3.7	43
49	Pre-obese children's dysbiotic gut microbiome and unhealthy diets may predict the development of obesity. *Communications Biology*, **2018**, 1, 222	6.7	41

48	A Multi-omics Approach to Unraveling the Microbiome-Mediated Effects of Arabinoxylan Oligosaccharides in Overweight Humans. *MSystems*, **2019**, 4,	7.6	40
47	Increased prevalence of pathogenic bacteria in the gut microbiota of infants at risk of developing celiac disease: The PROFICEL study. *Gut Microbes*, **2018**, 9, 551-558	8.8	37
46	Structure-function analysis of Escherichia coli MnmG (GidA), a highly conserved tRNA-modifying enzyme. *Journal of Bacteriology*, **2009**, 191, 7614-9	3.5	37
45	Impact of dietary fiber and fat on gut microbiota re-modeling and metabolic health. *Trends in Food Science and Technology*, **2016**, 57, 201-212	15.3	37
44	Agarose-based freeze-dried capsules prepared by the oil-induced biphasic hydrogel particle formation approach for the protection of sensitive probiotic bacteria. *Food Hydrocolloids*, **2019**, 87, 487-496	10.6	34
43	Gut microbiota profiles in critically ill patients, potential biomarkers and risk variables for sepsis. *Gut Microbes*, **2020**, 12, 1707610	8.8	31
42	The Potential Role of the Dipeptidyl Peptidase-4-Like Activity From the Gut Microbiota on the Host Health. *Frontiers in Microbiology*, **2018**, 9, 1900	5.7	29
41	The Glycolytic Versatility of CECT 7771 and Its Genome Response to Oligo and Polysaccharides. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 383	5.9	29
40	Bifidobacterium pseudocatenulatum CECT 7765 supplementation improves inflammatory status in insulin-resistant obese children. *European Journal of Nutrition*, **2019**, 58, 2789-2800	5.2	25
39	Lactobacillus fermentum CRL1446 Ameliorates Oxidative and Metabolic Parameters by Increasing Intestinal Feruloyl Esterase Activity and Modulating Microbiota in Caloric-Restricted Mice. *Nutrients* , **2016**, 8,	6.7	22
38	Towards microbiome-informed dietary recommendations for promoting metabolic and mental health: Opinion papers of the MyNewGut project. *Clinical Nutrition*, **2018**, 37, 2191-2197	5.9	20
37	Breast-Milk Microbiota Linked to Celiac Disease Development in Children: A Pilot Study From the PreventCD Cohort. *Frontiers in Microbiology*, **2020**, 11, 1335	5.7	18
36	The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention. *European Journal of Nutrition*, **2020**, 59, 2507-2524	5.2	18
35	combined with fiber amplifies metabolic and immune benefits in obese mice. *Gut Microbes*, **2021**, 13, 1-20	8.8	18
34	Development of quantitative proteomics using iTRAQ based on the immunological response of Galleria mellonella larvae challenged with Fusarium oxysporum microconidia. *PLoS ONE*, **2014**, 9, e112179	3.7	15
33	Infusion of donor feces affects the gut-brain axis in humans with metabolic syndrome. *Molecular Metabolism*, **2020**, 42, 101076	8.8	15
32	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). *Forensic Science International*, **2003**, 135, 158-62	2.6	14
31	Plant sterols and human gut microbiota relationship: An in vitro colonic fermentation study. *Journal of Functional Foods*, **2018**, 44, 322-329	5.1	13

30	Regulation of expression and catalytic activity of Escherichia coli RsmG methyltransferase. *Rna*, **2012**, 18, 795-806	5.8	12
29	Safety Assessment of CECT 7771, a Symbiont of the Gut Microbiota in Infants. *Nutrients*, **2020**, 12,	6.7	11
28	Impairing methylations at ribosome RNA, a point mutation-dependent strategy for aminoglycoside resistance: the rsmG case. *Biomedica*, **2014**, 34 Suppl 1, 41-9	0.9	11
27	Microbial enterotypes beyond genus level: species as a predictive biomarker for weight change upon controlled intervention with arabinoxylan oligosaccharides in overweight subjects. *Gut Microbes*, **2020**, 12, 1847627	8.8	9
26	Evolutionary and sequence-based relationships in bacterial AdoMet-dependent non-coding RNA methyltransferases. *BMC Research Notes*, **2014**, 7, 440	2.3	9
25	A practical guide for the computational selection of residues to be experimentally characterized in protein families. *Briefings in Bioinformatics*, **2012**, 13, 329-36	13.4	9
24	Considerations to improve functional annotations in biological databases. *OMICS A Journal of Integrative Biology*, **2009**, 13, 527-35	3.8	8
23	Genome Structure of the Symbiont Bifidobacterium pseudocatenulatum CECT 7765 and Gene Expression Profiling in Response to Lactulose-Derived Oligosaccharides. *Frontiers in Microbiology*, **2016**, 7, 624	5.7	7
22	Sex, Food, and the Gut Microbiota: Disparate Response to Caloric Restriction Diet with Fiber Supplementation in Women and Men. *Molecular Nutrition and Food Research*, **2021**, 65, e2000996	5.9	7
21	Sequence analysis of the Receptor Activity-Modifying Proteins family, new putative peptides and structural conformation inference. *In Silico Biology*, **2006**, 6, 467-83	2	7
20	Mutaciones en genes modificadores de ARN ribosómico y la resistencia a aminoglucósidos: el caso del gen rsmG. *Biomedica*, **2013**, 34, 41	0.9	6
19	Dissection of functional residues in receptor activity-modifying proteins through phylogenetic and statistical analyses. *Evolutionary Bioinformatics*, **2008**, 4, 153-69	1.9	6
18	Bacteroides uniformis CECT 7771 alleviates inflammation within the gut-adipose tissue axis involving TLR5 signaling in obese mice. *Scientific Reports*, **2021**, 11, 11788	4.9	6
17	Bacillus subtilis exhibits MnmC-like tRNA modification activities. *RNA Biology*, **2018**, 15, 1167-1173	4.8	6
16	#EUROmicroMOOC: using Twitter to share trends in Microbiology worldwide. *FEMS Microbiology Letters*, **2019**, 366,	2.9	5
15	Allelic frequencies at 12 STR loci in Colombian population. *Forensic Science International*, **2003**, 136, 86-82.6		5
14	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. *Medicine (United States)*, **2020**, 99, e21950	1.8	5
13	Strand-wise and bait-assisted assembly of nearly-fullrrnoperons applied to assess species engraftment after faecal microbiota transplantation		3

List of Publications

12	Bioinformática en Colombia: presente y futuro de la investigación biocomputacional. *Biomedica*, **2010**, 30, 170	0.9	2
11	Streptococcus dentisani sp. nov., a novel member of the mitis group. *International Journal of Systematic and Evolutionary Microbiology*, **2014**, 64, 1073-1073	2.2	2
10	Bacteroides uniformis CECT 7771 Modulates the Brain Reward Response to Reduce Binge Eating and Anxiety-Like Behavior in Rat. *Molecular Neurobiology*, **2021**, 58, 4959-4979	6.2	2
9	Population data of new Y-chromosome STRs GATA C4, DYS438, DYS437, GATA A7.2, GATA H4, DYS439 and GATA A10 in males from Colombia. *Forensic Science International*, **2003**, 135, 243-6	2.6	1
8	Gut bless you: The microbiota-gut-brain axis in irritable bowel syndrome.. *World Journal of Gastroenterology*, **2022**, 28, 412-431	5.6	1
7	Species-level resolution of 16S rRNA gene amplicons sequenced through the MinION™ portable nanopore sequencer		1
6	Multi-locus and long amplicon sequencing approach to study microbial diversity at species level using the MinION portable nanopore sequencer		1
5	Holdemanella biformis improves glucose tolerance and regulates GLP-1 signaling in obese mice. *FASEB Journal*, **2021**, 35, e21734	0.9	1
4	Targeting the Microbiota **2016**, 17-30		1
3	From Bacterial Genomics to Human Health **2017**, 159-172		
2	iTRAQ, The High Throughput Data Analysis of Proteins to Understand Immunologic Expression in Insect. *Advances in Intelligent Systems and Computing*, **2014**, 387-394	0.4	
1	Population analysis from 12 microsatellite loci reveled by silver stain and assisted by computer software. *International Congress Series*, **2004**, 1261, 207-209		