Alfonso Benitez-Paez

List of Publications by Year
in descending order

64	2,904	159585 30	182427 51
papers	citations	h-index	g-index

69	69	69	4669
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Depletion of Blautia Species in the Microbiota of Obese Children Relates to Intestinal Inflammation and Metabolic Phenotype Worsening. MSystems, 2020, 5, .	3.8	185
2	Species-level resolution of 16S rRNA gene amplicons sequenced through the MinIONâ„¢ portable nanopore sequencer. GigaScience, 2016, 5, 4.	6.4	176
3	Dietary fat, the gut microbiota, and metabolic health â€“ A systematic review conducted within the MyNewGut project. Clinical Nutrition, 2019, 38, 2504-2520.	5.0	175
4	Gut microbiota, diet, and obesityâ€related disordersâ€”The good, the bad, and the future challenges. Molecular Nutrition and Food Research, 2017, 61, 1600252.	3.3	143
5	Microbiota diversity and gene expression dynamics in human oral biofilms. BMC Genomics, 2014, 15, 311.	2.8	142
6	Bifidobacterium CECT 7765 modulates early stress-induced immune, neuroendocrine and behavioral alterations in mice. Brain, Behavior, and Immunity, 2017, 65, 43-56.	4.1	124
7	Gut microbiota trajectory in early life may predict development of celiac disease. Microbiome, 2018, 6, 36.	11.1	107
8	Gut microbiota profiles in critically ill patients, potential biomarkers and risk variables for sepsis. Gut Microbes, 2020, 12, 1707610.	9.8	84
9	Multi-locus and long amplicon sequencing approach to study microbial diversity at species level using the MinIONâ„¢ portable nanopore sequencer. GigaScience, 2017, 6, 1-12.	6.4	83
10	The Escherichia coli RlmN methyltransferase is a dual-specificity enzyme that modifies both rRNA and tRNA and controls translational accuracy. Rna, 2012, 18, 1783-1795.	3.5	81
11	Bacteroides uniformis combined with fiber amplifies metabolic and immune benefits in obese mice. Gut Microbes, 2021, 13, 1-20.	9.8	81
12	Nutritional interest of dietary fiber and prebiotics in obesity: Lessons from the MyNewGut consortium. Clinical Nutrition, 2020, 39, 414-424.	5.0	77
13	Pangenome-wide and molecular evolution analyses of the Pseudomonas aeruginosa species. BMC Genomics, 2016, 17, 45.	2.8	74
14	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.	5.0	68
15	YibK is the 2â€²-O-methyltransferase TrmL that modifies the wobble nucleotide in Escherichia coli tRNA^{Leu} isoacceptors. Rna, 2010, 16, 2131-2143.	3.5	67
16	Pre-obese childrenâ€™s dysbiotic gut microbiome and unhealthy diets may predict the development of obesity. Communications Biology, 2018, 1, 222.	4.4	65
17	Streptococcus dentisani sp. nov., a novel member of the mitis group. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 60-65.	1.7	64
18	Enzymology of tRNA modification in the bacterial MnmEG pathway. Biochimie, 2012, 94, 1510-1520.	2.6	63

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19	A Multi-omics Approach to Unraveling the Microbiome-Mediated Effects of Arabinoxylan Oligosaccharides in Overweight Humans. MSystems, 2019, 4, .	3.8	61
20	Increased prevalence of pathogenic bacteria in the gut microbiota of infants at risk of developing celiac disease: The PROFICEL study. Gut Microbes, 2018, 9, 1-8.	9.8	58
21	Detection of Transient Bacteraemia following Dental Extractions by 16S rDNA Pyrosequencing: A Pilot Study. PLoS ONE, 2013, 8, e57782.	2.5	57
22	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.	10.7	56
23	Infusion of donor feces affects the gutâ€“brain axis in humans with metabolic syndrome. Molecular Metabolism, 2020, 42, 101076.	6.5	50
24	Impact of dietary fiber and fat on gut microbiota re-modeling and metabolic health. Trends in Food Science and Technology, 2016, 57, 201-212.	15.1	48
25	The Glycolytic Versatility of Bacteroides uniformis CECT 7771 and Its Genome Response to Oligo and Polysaccharides. Frontiers in Cellular and Infection Microbiology, 2017, 7, 383.	3.9	47
26	The Potential Role of the Dipeptidyl Peptidase-4-Like Activity From the Gut Microbiota on the Host Health. Frontiers in Microbiology, 2018, 9, 1900.	3.5	47
27	Structure-Function Analysis of Escherichia coli MnmG (GidA), a Highly Conserved tRNA-Modifying Enzyme. Journal of Bacteriology, 2009, 191, 7614-7619.	2.2	45
28	Lactobacillus fermentum CRL1446 Ameliorates Oxidative and Metabolic Parameters by Increasing Intestinal Feruloyl Esterase Activity and Modulating Microbiota in Caloric-Restricted Mice. Nutrients, 2016, 8, 415.	4.1	37
29	Gut bless you: The microbiota-gut-brain axis in irritable bowel syndrome. World Journal of Gastroenterology, 2022, 28, 412-431.	3.3	37
30	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.	3.9	36
31	Bifidobacterium pseudocatenulatum CECT 7765 supplementation improves inflammatory status in insulin-resistant obese children. European Journal of Nutrition, 2018, 58, 2789-2800.	3.9	35
32	Bacteroides uniformis CECT 7771 alleviates inflammation within the gut-adipose tissue axis involving TLR5 signaling in obese mice. Scientific Reports, 2021, 11, 11788.	3.3	33
33	Towards microbiome-informed dietary recommendations for promoting metabolic and mental health: Opinion papers of the MyNewGut project. Clinical Nutrition, 2018, 37, 2191-2197.	5.0	29
34	Microbial enterotypes beyond genus level: Bacteroides species as a predictive biomarker for weight change upon controlled intervention with arabinoxylan oligosaccharides in overweight subjects. Gut Microbes, 2020, 12, 1847627.	9.8	28
35	Plant sterols and human gut microbiota relationship: An in vitro colonic fermentation study. Journal of Functional Foods, 2018, 44, 322-329.	3.4	27
36	Safety Assessment of Bacteroides Uniformis CECT 7771, a Symbiont of the Gut Microbiota in Infants. Nutrients, 2020, 12, 551.	4.1	27

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37	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.	3.3	27
38	Breast-Milk Microbiota Linked to Celiac Disease Development in Children: A Pilot Study From the PreventCD Cohort. Frontiers in Microbiology, 2020, 11, 1335.	3.5	24
39	Regulation of expression and catalytic activity of Escherichia coli RsmG methyltransferase. Rna, 2012, 18, 795-806.	3.5	23
40	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.	2.5	21
41	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.	4.0	20
42	Holdemanella biformis improves glucose tolerance and regulates GLPâ€1 signaling in obese mice. FASEB Journal, 2021, 35, e21734.	0.5	18
43	Results of the GEP-ISFG collaborative study on two Y-STRs tetraplexes: GEPY I (DYS461, GATA C4, DYS437) Tj ETQq1 1 0.784314 rgBT /O 135, 158-162.	2.2	16
44	Evolutionary and sequence-based relationships in bacterial AdoMet-dependent non-coding RNA methyltransferases. BMC Research Notes, 2014, 7, 440.	1.4	13
45	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.	3.5	12
46	Mutaciones en genes modificadores de ARN ribosÃ³mico y la resistencia a aminoglucÃ³sidos: el caso del gen rsmG. Biomedica, 2013, 34, 41.	0.7	11
47	Study protocol of the Bergen brain-gut-microbiota-axis study. Medicine (United States), 2020, 99, e21950.	1.0	11
48	Impairing methylations at ribosome RNA, a point mutation-dependent strategy for aminoglycoside resistance: the rsmG case. Biomedica, 2014, 34 Suppl 1, 41-9.	0.7	11
49	A practical guide for the computational selection of residues to be experimentally characterized in protein families. Briefings in Bioinformatics, 2012, 13, 329-336.	6.5	10
50	Bacillus subtilis exhibits MnmC-like tRNA modification activities. RNA Biology, 2018, 15, 1167-1173.	3.1	9
51	Considerations to Improve Functional Annotations in Biological Databases. OMICS A Journal of Integrative Biology, 2009, 13, 527-532.	2.0	8
52	Species- and strain-level assessment using rrn long-amplicons suggests donorâ€™s influence on gut microbial transference via fecal transplants in metabolic syndrome subjects. Gut Microbes, 2022, 14, .	9.8	8
53	Dissection of Functional Residues in Receptor Activity-Modifying Proteins through Phylogenetic and Statistical Analyses. Evolutionary Bioinformatics, 2008, 4, EBO.S705.	1.2	7
54	#EUROmicroMOOC: using Twitter to share trends in Microbiology worldwide. FEMS Microbiology Letters, 2019, 366, .	1.8	7

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55	Sequence analysis of the Receptor Activity-Modifying Proteins family, new putative peptides and structural conformation inference. In Silico Biology, 2006, 6, 467-83.	0.9	7
56	Allelic frequencies at 12 STR loci in Colombian population. Forensic Science International, 2003, 136, 86-88.	2.2	6
57	BioinformÃ¡tica en Colombia: presente y futuro de la investigaciÃ³n biocomputacional. Biomedica, 2010, 30, 170.	0.7	3
58	Targeting the Microbiota. , 2016, , 17-30.		3
59	Streptococcus dentisani sp. nov., a novel member of the mitis group. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 1073-1073.	1.7	3
60	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, 243-246.	2.2	1
61	Assessment of human microbiota stability across longitudinal samples using iteratively growing-partitioned clustering. Briefings in Bioinformatics, 2022, 23, .	6.5	1
62	Population analysis from 12 microsatellite loci reveled by silver stain and assisted by computer software. International Congress Series, 2004, 1261, 207-209.	0.2	0
63	From Bacterial Genomics to Human Health. , 2017, , 159-172.		0
64	Editorial: Remodeling Composition and Function of Microbiome by Dietary Strategies - Functional Foods Perspective. Frontiers in Nutrition, 2021, 8, 811102.	3.7	0