

# Julio Plaza-Diaz

## List of Publications by Citations

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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.

80  
papers

3,445  
citations

27  
h-index

58  
g-index

94  
ext. papers

4,707  
ext. citations

5.1  
avg, IF

6  
L-index

#	Paper	IF	Citations
80	Probiotic mechanisms of action. <i>Annals of Nutrition and Metabolism</i> , <b>2012</b> , 61, 160-74	4.5	576
79	Sources, isolation, characterisation and evaluation of probiotics. <i>British Journal of Nutrition</i> , <b>2013</b> , 109 Suppl 2, S35-50	3.6	371
78	Mechanisms of Action of Probiotics. <i>Advances in Nutrition</i> , <b>2019</b> , 10, S49-S66	10	312
77	The role of probiotic lactic acid bacteria and bifidobacteria in the prevention and treatment of inflammatory bowel disease and other related diseases: a systematic review of randomized human clinical trials. <i>BioMed Research International</i> , <b>2015</b> , 2015, 505878	3	185
76	Evidence of the Anti-Inflammatory Effects of Probiotics and Synbiotics in Intestinal Chronic Diseases. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	184
75	Vitamin D: Classic and Novel Actions. <i>Annals of Nutrition and Metabolism</i> , <b>2018</b> , 72, 87-95	4.5	179
74	Effects of Probiotics and Synbiotics on Obesity, Insulin Resistance Syndrome, Type 2 Diabetes and Non-Alcoholic Fatty Liver Disease: A Review of Human Clinical Trials. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	160
73	Modulation of immunity and inflammatory gene expression in the gut, in inflammatory diseases of the gut and in the liver by probiotics. <i>World Journal of Gastroenterology</i> , <b>2014</b> , 20, 15632-49	5.6	139
72	Breast Cancer and Its Relationship with the Microbiota. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	128
71	Effects of Sweeteners on the Gut Microbiota: A Review of Experimental Studies and Clinical Trials. <i>Advances in Nutrition</i> , <b>2019</b> , 10, S31-S48	10	121
70	Human Milk Oligosaccharides and Immune System Development. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	101
69	Antimicrobial, Antioxidant, and Immunomodulatory Properties of Essential Oils: A Systematic Review. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	78
68	Extracellular Matrix Remodeling of Adipose Tissue in Obesity and Metabolic Diseases. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	69
67	Effects of Lactobacillus paracasei CNCM I-4034, Bifidobacterium breve CNCM I-4035 and Lactobacillus rhamnosus CNCM I-4036 on hepatic steatosis in Zucker rats. <i>PLoS ONE</i> , <b>2014</b> , 9, e98401	3.7	55
66	The Gut Microbiota and Its Implication in the Development of Atherosclerosis and Related Cardiovascular Diseases. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	52
65	Autism Spectrum Disorder (ASD) with and without Mental Regression is Associated with Changes in the Fecal Microbiota. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	42
64	Pyrosequencing analysis reveals changes in intestinal microbiota of healthy adults who received a daily dose of immunomodulatory probiotic strains. <i>Nutrients</i> , <b>2015</b> , 7, 3999-4015	6.7	41

63	Three main factors define changes in fecal microbiota associated with feeding modality in infants. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2013</b> , 57, 461-6	2.8	38
62	Metformin for Obesity in Prepubertal and Pubertal Children: A Randomized Controlled Trial. <i>Pediatrics</i> , <b>2017</b> , 140,	7.4	37
61	New Opportunities for Endometrial Health by Modifying Uterine Microbial Composition: Present or Future?. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	36
60	Reviewing the Composition of Vaginal Microbiota: Inclusion of Nutrition and Probiotic Factors in the Maintenance of Eubiosis. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	35
59	Association of breast and gut microbiota dysbiosis and the risk of breast cancer: a case-control clinical study. <i>BMC Cancer</i> , <b>2019</b> , 19, 495	4.8	33
58	Immune-Mediated Mechanisms of Action of Probiotics and Synbiotics in Treating Pediatric Intestinal Diseases. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	33
57	Microbial Population Changes and Their Relationship with Human Health and Disease. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	30
56	In vitro cell and tissue models for studying host-microbe interactions: a review. <i>British Journal of Nutrition</i> , <b>2013</b> , 109 Suppl 2, S27-34	3.6	29
55	Safety and immunomodulatory effects of three probiotic strains isolated from the feces of breast-fed infants in healthy adults: SETOPROB study. <i>PLoS ONE</i> , <b>2013</b> , 8, e78111	3.7	29
54	V3401 Reduces Inflammatory Biomarkers and Modifies the Gastrointestinal Microbiome in Adults with Metabolic Syndrome: The PROSIR Study. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	28
53	Competitive inhibition of three novel bacteria isolated from faeces of breast milk-fed infants against selected enteropathogens. <i>British Journal of Nutrition</i> , <b>2013</b> , 109 Suppl 2, S63-9	3.6	24
52	Evaluation of the effect of <i>Lactobacillus reuteri</i> V3401 on biomarkers of inflammation, cardiovascular risk and liver steatosis in obese adults with metabolic syndrome: a randomized clinical trial (PROSIR). <i>BMC Complementary and Alternative Medicine</i> , <b>2018</b> , 18, 306	4.7	23
51	Adamdec1, Ednrb and Ptgs1/Cox1, inflammation genes upregulated in the intestinal mucosa of obese rats, are downregulated by three probiotic strains. <i>Scientific Reports</i> , <b>2017</b> , 7, 1939	4.9	22
50	Plausible Biological Interactions of Low- and Non-Calorie Sweeteners with the Intestinal Microbiota: An Update of Recent Studies. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	21
49	<i>Lactobacillus fermentum</i> CECT5716 ameliorates high fat diet-induced obesity in mice through modulation of gut microbiota dysbiosis. <i>Pharmacological Research</i> , <b>2021</b> , 167, 105471	10.2	19
48	Inhibitor of apoptosis proteins, NAIP, cIAP1 and cIAP2 expression during macrophage differentiation and M1/M2 polarization. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193643	3.7	17
47	Near real-time determination of B.1.1.7 in proportion to total SARS-CoV-2 viral load in wastewater using an allele-specific primer extension PCR strategy. <i>Water Research</i> , <b>2021</b> , 205, 117681	12.5	15
46	The Gut Barrier, Intestinal Microbiota, and Liver Disease: Molecular Mechanisms and Strategies to Manage. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	13

45	Human muscular mitochondrial fusion in athletes during exercise. <i>FASEB Journal</i> , <b>2019</b> , 33, 12087-12098.	8.9	13
44	Gene expression profiling in the intestinal mucosa of obese rats administered probiotic bacteria. <i>Scientific Data</i> , <b>2017</b> , 4, 170186	8.2	13
43	High-intensity high-volume swimming induces more robust signaling through PGC-1 $\beta$ and AMPK activation than sprint interval swimming in m. triceps brachii. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185494	3.7	13
42	Passive Commuting and Higher Sedentary Time Is Associated with Vitamin D Deficiency in Adult and Older Women: Results from Chilean National Health Survey 2016?2017. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	12
41	Clustering of Dietary Patterns and Lifestyles Among Spanish Children in the EsNuPI Study. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	10
40	Mapping the entire functionally active endometrial microbiota. <i>Human Reproduction</i> , <b>2021</b> , 36, 1021-1034.	3.7	9
39	Hydroxytyrosol influences exercise-induced mitochondrial respiratory complex assembly into supercomplexes in rats. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 134, 304-310	7.8	8
38	Is There a Role for Metformin in the Treatment of Childhood Obesity?. <i>Pediatrics</i> , <b>2017</b> , 140,	7.4	7
37	Omics Approaches in Adipose Tissue and Skeletal Muscle Addressing the Role of Extracellular Matrix in Obesity and Metabolic Dysfunction. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	7
36	Insights into the Impact of Microbiota in the Treatment of NAFLD/NASH and Its Potential as a Biomarker for Prognosis and Diagnosis. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	7
35	The Gut Microbiome in Polycystic Ovary Syndrome and Its Association with Metabolic Traits. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, 858-871	5.6	6
34	Cardiorespiratory Fitness, Physical Activity, Sedentary Time and Its Association with the Atherogenic Index of Plasma in Chilean Adults: Influence of the Waist Circumference to Height Ratio. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	4
33	A Novel Electromyographic Approach to Estimate Fatigue Threshold in Maximum Incremental Strength Tests. <i>Motor Control</i> , <b>2018</b> , 22, 170	1.3	4
32	Sources, isolation, characterisation and evaluation of probiotics [CORRIGENDUM]. <i>British Journal of Nutrition</i> , <b>2014</b> , 111, 760-760	3.6	4
31	Dietary Patterns, Eating Behavior, and Nutrient Intakes of Spanish Preschool Children with Autism Spectrum Disorders. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	4
30	In vitro examination of antibacterial and immunomodulatory activities of cinnamon, white thyme, and clove essential oils. <i>Journal of Functional Foods</i> , <b>2021</b> , 81, 104436	5.1	4
29	Evaluation of the gut microbiota after metformin intervention in children with obesity: A metagenomic study of a randomized controlled trial. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 134, 111175	7.5	4
28	Effect of daily consumption of extra virgin olive oil on the lipid profile and microbiota of HIV-infected patients over 50 years of age. <i>Medicine (United States)</i> , <b>2019</b> , 98, e17528	1.8	3

27	Assessing the testicular sperm microbiome: a low-biomass site with abundant contamination. <i>Reproductive BioMedicine Online</i> , <b>2021</b> , 43, 523-531	4	3
26	. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	3
25	A Review of the Current Impact of Inhibitors of Apoptosis Proteins and Their Repression in Cancer.. <i>Cancers</i> , <b>2022</b> , 14,	6.6	3
24	The Mediation Effect of Self-Report Physical Activity Patterns in the Relationship between Educational Level and Cognitive Impairment in Elderly: A Cross-Sectional Analysis of Chilean Health National Survey 2016-2017. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	2
23	X chromosome genetic data in a Spanish children cohort, dataset description and analysis pipeline. <i>Scientific Data</i> , <b>2019</b> , 6, 130	8.2	2
22	TECHNOLOGY PROSPECTING OF INFANT STOOL AS A SOURCE OF NOVEL PROBIOTIC PRODUCTS. <i>Revista GEINTEC</i> , <b>2018</b> , 8, 4240-4249	0.7	2
21	PARP-1 activation after oxidative insult promotes energy stress-dependent phosphorylation of YAP1 and reduces cell viability. <i>Biochemical Journal</i> , <b>2020</b> , 477, 4491-4513	3.8	2
20	Sucrose: Dietary Importance <b>2016</b> , 199-204		2
19	Nutrition and cellular senescence in obesity-related disorders. <i>Journal of Nutritional Biochemistry</i> , <b>2022</b> , 99, 108861	6.3	2
18	Are Sugar-Reduced and Whole Grain Infant Cereals Sensorially Accepted at Weaning? A Randomized Controlled Cross-Over Trial. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	1
17	Does intermittent exposure to high altitude increase the risk of cardiovascular disease in workers? A systematic narrative review. <i>BMJ Open</i> , <b>2020</b> , 10, e041532	3	1
16	Differential IL 10 serum production between an arm-based and a leg-based maximal resistance test. <i>Cytokine</i> , <b>2020</b> , 126, 154915	4	1
15	Effects of Whole-Grain and Sugar Content in Infant Cereals on Gut Microbiota at Weaning: A Randomized Trial. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	1
14	Differential inflammatory response of men and women subjected to an acute resistance exercise. <i>Biomedical Journal</i> , <b>2021</b> , 44, 338-345	7.1	1
13	Impact of Dietary Patterns on Infection and the Modulation of Microbiota to Counteract Its Effect. A Narrative Review. <i>Pathogens</i> , <b>2021</b> , 10,	4.5	1
12	Molecular Basis of Oxidative Stress and Inflammation <b>2018</b> , 41-62		1
11	High-throughput kinome-RNAi screen identifies protein kinase R activator (PACT) as a novel genetic modifier of CUG foci integrity in myotonic dystrophy type 1 (DM1). <i>PLoS ONE</i> , <b>2021</b> , 16, e0256276	3.7	1
10	Hydroxytyrosol modifies skeletal muscle GLUT4/AKT/Rac1 axis in trained rats. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 489-494	7	0

9	Quality More Than Quantity: The Use of Carbohydrates in High-Fat Diets to Tackle Obesity in Growing Rats.. <i>Frontiers in Nutrition</i> , <b>2022</b> , 9, 809865	6.2	o
8	Plasma Levels of Endocannabinoids and Their Analogues Are Related to Specific Fecal Bacterial Genera in Young Adults: Role in Gut Barrier Integrity. <i>Nutrients</i> , <b>2022</b> , 14, 2143	6.7	o
7	AuthorsTResponse. <i>Pediatrics</i> , <b>2017</b> , 140,	7.4	
6	Does intermittent exposure to high altitude increase the risk of cardiovascular disease in workers? A systematic narrative review. <i>BMJ Open</i> , <b>2020</b> , 10, e041532	3	
5	Role of probiotics in the management of respiratory infections <b>2022</b> , 383-396		
4	Adipose Extracellular Matrix Remodeling in Obesity and Insulin Resistance <b>2021</b> , 215-229		
3	Use of Probiotics in Inflammatory Bowel Disease <b>2019</b> , 149-154		
2	RNA Analyses <b>2020</b> , 41-48		
1	NAIP expression increases in a rat model of liver mass restoration. <i>Journal of Molecular Histology</i> , <b>2021</b> , 52, 113-123	3.3	