Julio Plaza-Diaz

List of Publications by Year
in descending order

89 papers	5,925 citations	126708 33 h-index	79541 73 g-index
94 all docs	94 docs citations	94 times ranked	8835 citing authors

#	Article	IF	Citations
1	Probiotic Mechanisms of Action. Annals of Nutrition and Metabolism, 2012, 61, 160-174.	1.0	817
2	Mechanisms of Action of Probiotics. Advances in Nutrition, 2019, 10, S49-S66.	2.9	663
3	Sources, isolation, characterisation and evaluation of probiotics. British Journal of Nutrition, 2013, 109, S35-S50.	1.2	487
4	Vitamin D: Classic and Novel Actions. Annals of Nutrition and Metabolism, 2018, 72, 87-95.	1.0	336
5	Evidence of the Anti-Inflammatory Effects of Probiotics and Synbiotics in Intestinal Chronic Diseases. Nutrients, 2017, 9, 555.	1.7	279
6	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. BioMed Research International, 2015, 2015, 1-15.	0.9	255
7	Effects of Sweeteners on the Gut Microbiota: A Review of Experimental Studies and Clinical Trials. Advances in Nutrition, 2019, 10, S31-S48.	2.9	236
8	Breast Cancer and Its Relationship with the Microbiota. International Journal of Environmental Research and Public Health, 2018, 15, 1747.	1.2	226
9	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. International Journal of Molecular Sciences, 2016, 17, 928.	1.8	215
10	Antimicrobial, Antioxidant, and Immunomodulatory Properties of Essential Oils: A Systematic Review. Nutrients, 2019, 11, 2786.	1.7	184
11	Modulation of immunity and inflammatory gene expression in the gut, in inflammatory diseases of the gut and in the liver by probiotics. World Journal of Gastroenterology, 2014, 20, 15632.	1.4	168
12	Human Milk Oligosaccharides and Immune System Development. Nutrients, 2018, 10, 1038.	1.7	165
13	Extracellular Matrix Remodeling of Adipose Tissue in Obesity and Metabolic Diseases. International Journal of Molecular Sciences, 2019, 20, 4888.	1.8	149
14	The Gut Microbiota and Its Implication in the Development of Atherosclerosis and Related Cardiovascular Diseases. Nutrients, 2020, 12, 605.	1.7	109
15	New Opportunities for Endometrial Health by Modifying Uterine Microbial Composition: Present or Future?. Biomolecules, 2020, 10, 593.	1.8	85
16	Association of breast and gut microbiota dysbiosis and the risk of breast cancer: a case-control clinical study. BMC Cancer, 2019, 19, 495.	1.1	75
17	Reviewing the Composition of Vaginal Microbiota: Inclusion of Nutrition and Probiotic Factors in the Maintenance of Eubiosis. Nutrients, 2020, 12, 419.	1.7	75
18	The Gut Barrier, Intestinal Microbiota, and Liver Disease: Molecular Mechanisms and Strategies to Manage. International Journal of Molecular Sciences, 2020, 21, 8351.	1.8	67

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19	Autism Spectrum Disorder (ASD) with and without Mental Regression is Associated with Changes in the Fecal Microbiota. Nutrients, 2019, 11, 337.	1.7	64
20	Effects of Lactobacillus paracasei CNCM I-4034, Bifidobacterium breve CNCM I-4035 and Lactobacillus rhamnosus CNCM I-4036 on Hepatic Steatosis in Zucker Rats. PLoS ONE, 2014, 9, e98401.	1.1	58
21	Plausible Biological Interactions of Low- and Non-Calorie Sweeteners with the Intestinal Microbiota: An Update of Recent Studies. Nutrients, 2020, 12, 1153.	1.7	55
22	Lactobacillus reuteri V3401 Reduces Inflammatory Biomarkers and Modifies the Gastrointestinal Microbiome in Adults with Metabolic Syndrome: The PROSIR Study. Nutrients, 2019, 11, 1761.	1.7	53
23	Metformin for Obesity in Prepubertal and Pubertal Children: A Randomized Controlled Trial. Pediatrics, 2017, 140, .	1.0	52
24	Immune-Mediated Mechanisms of Action of Probiotics and Synbiotics in Treating Pediatric Intestinal Diseases. Nutrients, 2018, 10, 42.	1.7	52
25	Microbial Population Changes and Their Relationship with Human Health and Disease. Microorganisms, 2019, 7, 68.	1.6	51
26	Mapping the entire functionally active endometrial microbiota. Human Reproduction, 2021, 36, 1021-1031.	0.4	51
27	Pyrosequencing Analysis Reveals Changes in Intestinal Microbiota of Healthy Adults Who Received a Daily Dose of Immunomodulatory Probiotic Strains. Nutrients, 2015, 7, 3999-4015.	1.7	49
28	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. Water Research, 2021, 205, 117681.	5.3	48
29	Three Main Factors Define Changes in Fecal Microbiota Associated With Feeding Modality in Infants. Journal of Pediatric Gastroenterology and Nutrition, 2013, 57, 461-466.	0.9	47
30	Lactobacillus fermentum CECT5716 ameliorates high fat diet-induced obesity in mice through modulation of gut microbiota dysbiosis. Pharmacological Research, 2021, 167, 105471.	3.1	43
31	In vitrocell and tissue models for studying hostâ€“microbe interactions: a review. British Journal of Nutrition, 2013, 109, S27-S34.	1.2	39
32	Competitive inhibition of three novel bacteria isolated from faeces of breast milk-fed infants against selected enteropathogens. British Journal of Nutrition, 2013, 109, S63-S69.	1.2	38
33	Evaluation of the effect of Lactobacillus reuteri V3401 on biomarkers of inflammation, cardiovascular risk and liver steatosis in obese adults with metabolic syndrome: a randomized clinical trial (PROSIR). BMC Complementary and Alternative Medicine, 2018, 18, 306.	3.7	38
34	Safety and Immunomodulatory Effects of Three Probiotic Strains Isolated from the Feces of Breast-Fed Infants in Healthy Adults: SETOPROB Study. PLoS ONE, 2013, 8, e78111.	1.1	33
35	A Review of the Current Impact of Inhibitors of Apoptosis Proteins and Their Repression in Cancer. Cancers, 2022, 14, 1671.	1.7	32
36	The Gut Microbiome in Polycystic Ovary Syndrome and Its Association with Metabolic Traits. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 858-871.	1.8	31

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37	Impact of Exercise on Gut Microbiota in Obesity. Nutrients, 2021, 13, 3999.	1.7	31
38	Adamdec1, Ednrb and Ptgs1/Cox1, inflammation genes upregulated in the intestinal mucosa of obese rats, are downregulated by three probiotic strains. Scientific Reports, 2017, 7, 1939.	1.6	27
39	Inhibitor of apoptosis proteins, NAIP, cIAP1 and cIAP2 expression during macrophage differentiation and M1/M2 polarization. PLoS ONE, 2018, 13, e0193643.	1.1	27
40	Assessing the testicular sperm microbiome: a low-biomass site with abundant contamination. Reproductive BioMedicine Online, 2021, 43, 523-531.	1.1	26
41	High-intensity high-volume swimming induces more robust signaling through PGC-1Î± and AMPK activation than sprint interval swimming in m. triceps brachii. PLoS ONE, 2017, 12, e0185494.	1.1	25
42	Human muscular mitochondrial fusion in athletes during exercise. FASEB Journal, 2019, 33, 12087-12098.	0.2	24
43	In vitro examination of antibacterial and immunomodulatory activities of cinnamon, white thyme, and clove essential oils. Journal of Functional Foods, 2021, 81, 104436.	1.6	24
44	Passive Commuting and Higher Sedentary Time Is Associated with Vitamin D Deficiency in Adult and Older Women: Results from Chilean National Health Survey 2016â€“2017. Nutrients, 2019, 11, 300.	1.7	23
45	Clustering of Dietary Patterns and Lifestyles Among Spanish Children in the EsNuPI Study â€. Nutrients, 2020, 12, 2536.	1.7	22
46	Insights into the Impact of Microbiota in the Treatment of NAFLD/NASH and Its Potential as a Biomarker for Prognosis and Diagnosis. Biomedicines, 2021, 9, 145.	1.4	20
47	Dietary Patterns, Eating Behavior, and Nutrient Intakes of Spanish Preschool Children with Autism Spectrum Disorders. Nutrients, 2021, 13, 3551.	1.7	19
48	Impact of Physical Activity and Exercise on the Epigenome in Skeletal Muscle and Effects on Systemic Metabolism. Biomedicines, 2022, 10, 126.	1.4	18
49	Gene expression profiling in the intestinal mucosa of obese rats administered probiotic bacteria. Scientific Data, 2017, 4, 170186.	2.4	17
50	Omics Approaches in Adipose Tissue and Skeletal Muscle Addressing the Role of Extracellular Matrix in Obesity and Metabolic Dysfunction. International Journal of Molecular Sciences, 2021, 22, 2756.	1.8	15
51	Hydroxytyrosol influences exercise-induced mitochondrial respiratory complex assembly into supercomplexes in rats. Free Radical Biology and Medicine, 2019, 134, 304-310.	1.3	14
52	Effect of daily consumption of extra virgin olive oil on the lipid profile and microbiota of HIV-infected patients over 50 years of age. Medicine (United States), 2019, 98, e17528.	0.4	14
53	Nutrition and cellular senescence in obesity-related disorders. Journal of Nutritional Biochemistry, 2022, 99, 108861.	1.9	14
54	Effects of Whole-Grain and Sugar Content in Infant Cereals on Gut Microbiota at Weaning: A Randomized Trial. Nutrients, 2021, 13, 1496.	1.7	10

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55	Impact of Dietary Patterns on H. pylori Infection and the Modulation of Microbiota to Counteract Its Effect. A Narrative Review. Pathogens, 2021, 10, 875.	1.2	10
56	Is There a Role for Metformin in the Treatment of Childhood Obesity?. Pediatrics, 2017, 140, .	1.0	9
57	PARP-1 activation after oxidative insult promotes energy stress-dependent phosphorylation of YAP1 and reduces cell viability. Biochemical Journal, 2020, 477, 4491-4513.	1.7	9
58	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. Nutrients, 2020, 12, 1250.	1.7	8
59	Bifidobacterium breve CNCM I-4035, Lactobacillus paracasei CNCM I-4034 and Lactobacillus rhamnosus CNCM I-4036 Modulate Macrophage Gene Expression and Ameliorate Damage Markers in the Liver of Zucker-Leprfa/fa Rats. Nutrients, 2021, 13, 202.	1.7	8
60	Evaluation of the gut microbiota after metformin intervention in children with obesity: A metagenomic study of a randomized controlled trial. Biomedicine and Pharmacotherapy, 2021, 134, 111117.	2.5	7
61	X chromosome genetic data in a Spanish children cohort, dataset description and analysis pipeline. Scientific Data, 2019, 6, 130.	2.4	6
62	Sources, isolation, characterisation and evaluation of probiotics â€“ CORRIGENDUM. British Journal of Nutrition, 2014, 111, 760-760.	1.2	5
63	A Novel Electromyographic Approach to Estimate Fatigue Threshold in Maximum Incremental Strength Tests. Motor Control, 2018, 22, 170-170.	0.3	5
64	Are Sugar-Reduced and Whole Grain Infant Cereals Sensorially Accepted at Weaning? A Randomized Controlled Cross-Over Trial. Nutrients, 2020, 12, 1883.	1.7	5
65	Nutrition, Microbiota and Noncommunicable Diseases. Nutrients, 2020, 12, 1971.	1.7	5
66	The Mediation Effect of Selfâ€“Report Physical Activity Patterns in the Relationship between Educational Level and Cognitive Impairment in Elderly: A Cross-Sectional Analysis of Chilean Health National Survey 2016â€“2017. International Journal of Environmental Research and Public Health, 2020, 17, 2619.	1.2	5
67	Differential inflammatory response of men and women subjected to an acute resistance exercise. Biomedical Journal, 2021, 44, 338-345.	1.4	5
68	Sucrose: Dietary Importance. , 2016, , 199-204.		4
69	Does intermittent exposure to high altitude increase the risk of cardiovascular disease in workers? A systematic narrative review. BMJ Open, 2020, 10, e041532.	0.8	4
70	Fiber Consumption Mediates Differences in Several Gut Microbes in a Subpopulation of Young Mexican Adults. Nutrients, 2022, 14, 1214.	1.7	4
71	Plasma Levels of Endocannabinoids and Their Analogues Are Related to Specific Fecal Bacterial Genera in Young Adults: Role in Gut Barrier Integrity. Nutrients, 2022, 14, 2143.	1.7	4
72	Differential IL 10 serum production between an arm-based and a leg-based maximal resistance test. Cytokine, 2020, 126, 154915.	1.4	3

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73	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). PLoS ONE, 2021, 16, e0256276.	1.1	3
74	Molecular Basis of Oxidative Stress andÂInflammation. , 2018, , 41-62.		2
75	Hydroxytyrosol modifies skeletal muscle GLUT4/AKT/Rac1 axis in trained rats. Journal of Cellular Physiology, 2021, 236, 489-494.	2.0	2
76	TECHNOLOGY PROSPECTING OF INFANT STOOL AS A SOURCE OF NOVEL PROBIOTIC PRODUCTS. Revista GEINTEC, 2018, 8, 4240-4249.	0.2	2
77	Quality More Than Quantity: The Use of Carbohydrates in High-Fat Diets to Tackle Obesity in Growing Rats. Frontiers in Nutrition, 2022, 9, 809865.	1.6	2
78	Physiological Doses of Hydroxytyrosol Modulate Gene Expression in Skeletal Muscle of Exercised Rats. Life, 2021, 11, 1393.	1.1	2
79	Evaluation of the effect of Lactobacillus reuteri V3401 on biomarkers of inflammation and cardiovascular risk in obese adults with metabolic syndrome: A randomized clinical trial (PROSIR). Clinical Nutrition, 2018, 37, S15.	2.3	1
80	Separating the Wheat from the Chaff: The Use of Upstream Regulator Analysis to Identify True Differential Expression of Single Genes within Transcriptomic Datasets. International Journal of Molecular Sciences, 2021, 22, 6295.	1.8	1
81	Does intermittent exposure to high altitude increase the risk of cardiovascular disease in workers? A systematic narrative review. BMJ Open, 2020, 10, e041532.	0.8	1
82	Lactobacillus paracasei CNCM I-4034 enhances the intestinal immune response in obese Zucker rats. Proceedings of the Nutrition Society, 2013, 72, .	0.4	0
83	Authorsâ€™ Response. Pediatrics, 2017, 140, e20173231B.	1.0	0
84	Use of Probiotics in Inflammatory Bowel Disease. , 2019, , 149-154.		0
85	RNA Analyses. , 2020, , 41-48.		0
86	Welcome to Gastroenterology Insights. Gastroenterology Insights, 2020, 11, 10-10.	0.7	0
87	NAIP expression increases in a rat model of liver mass restoration. Journal of Molecular Histology, 2021, 52, 113-123.	1.0	0
88	Role of probiotics in the management of respiratory infections. , 2022, , 383-396.		0
89	Microbiota of the intestine: dietary interactions. , 2022, , .		0