

Francisco J Prez-Cano

List of Publications by Citations

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117
papers

2,598
citations

30
h-index

45
g-index

139
ext. papers

3,197
ext. citations

5.2
avg, IF

5.19
L-index

#	Paper	IF	Citations
117	Premature delivery influences the immunological composition of colostrum and transitional and mature human milk. <i>Journal of Nutrition</i> , 2011 , 141, 1181-7	4.1	155
116	In vitro immunomodulatory activity of <i>Lactobacillus fermentum</i> CECT5716 and <i>Lactobacillus salivarius</i> CECT5713: two probiotic strains isolated from human breast milk. <i>Immunobiology</i> , 2010 , 215, 996-1004	3.4	108
115	Cocoa modulatory effect on rat faecal microbiota and colonic crosstalk. <i>Archives of Biochemistry and Biophysics</i> , 2012 , 527, 105-12	4.1	91
114	Flavonoids from <i>Theobroma cacao</i> down-regulate inflammatory mediators. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 8506-11	5.7	88
113	Effect of virgin olive oil and thyme phenolic compounds on blood lipid profile: implications of human gut microbiota. <i>European Journal of Nutrition</i> , 2017 , 56, 119-131		70
112	Intestinal immune system of young rats influenced by cocoa-enriched diet. <i>Journal of Nutritional Biochemistry</i> , 2008 , 19, 555-565	6.3	70
111	Cocoa-enriched diet enhances antioxidant enzyme activity and modulates lymphocyte composition in thymus from young rats. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 6431-8	5.7	66
110	Maintenance of breast milk Immunoglobulin A after high-pressure processing. <i>Journal of Dairy Science</i> , 2010 , 93, 877-83	4	62
109	Liposomal encapsulation enhances and prolongs the anti-inflammatory effects of water-soluble dexamethasone phosphate in experimental adjuvant arthritis. <i>Arthritis Research and Therapy</i> , 2010 , 12, R147	5.7	55
108	The Immature Gut Barrier and Its Importance in Establishing Immunity in Newborn Mammals. <i>Frontiers in Immunology</i> , 2020 , 11, 1153	8.4	53
107	Hesperidin Effects on Gut Microbiota and Gut-Associated Lymphoid Tissue in Healthy Rats. <i>Nutrients</i> , 2019 , 11,	6.7	52
106	Neuroprotective effect of cocoa flavonoids on in vitro oxidative stress. <i>European Journal of Nutrition</i> , 2009 , 48, 54-61	5.2	50
105	Influence of breast milk polyamines on suckling rat immune system maturation. <i>Developmental and Comparative Immunology</i> , 2010 , 34, 210-8	3.2	48
104	Spleen lymphocyte function modulated by a cocoa-enriched diet. <i>Clinical and Experimental Immunology</i> , 2007 , 149, 535-42	6.2	46
103	A diet enriched with cocoa prevents IgE synthesis in a rat allergy model. <i>Pharmacological Research</i> , 2012 , 65, 603-8	10.2	42
102	Effects of cooling and freezing storage on the stability of bioactive factors in human colostrum. <i>Journal of Dairy Science</i> , 2012 , 95, 2319-25	4	41
101	The suckling rat as a model for immunonutrition studies in early life. <i>Clinical and Developmental Immunology</i> , 2012 , 2012, 537310		39

100	Bovine whey protein concentrate supplementation modulates maturation of immune system in suckling rats. <i>British Journal of Nutrition</i> , 2007 , 98 Suppl 1, S80-4	3.6	39
99	Salmon consumption during pregnancy alters fatty acid composition and secretory IgA concentration in human breast milk. <i>Journal of Nutrition</i> , 2012 , 142, 1603-10	4.1	37
98	Impact of cocoa polyphenol extracts on the immune system and microbiota in two strains of young rats. <i>British Journal of Nutrition</i> , 2014 , 112, 1944-54	3.6	36
97	Influence of Phenol-Enriched Olive Oils on Human Intestinal Immune Function. <i>Nutrients</i> , 2016 , 8, 213	6.7	36
96	Effective treatment of adjuvant arthritis with a stimulatory CD28-specific monoclonal antibody. <i>Journal of Rheumatology</i> , 2006 , 33, 110-8	4.1	36
95	Supplementation With 2TFL and scGOS/lcFOS Ameliorates Rotavirus-Induced Diarrhea in Suckling Rats. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 372	5.9	34
94	A combination of scGOS/lcFOS with Bifidobacterium breve M-16V protects suckling rats from rotavirus gastroenteritis. <i>European Journal of Nutrition</i> , 2017 , 56, 1657-1670	5.2	32
93	Flavonoids Affect Host-Microbiota Crosstalk through TLR Modulation. <i>Antioxidants</i> , 2014 , 3, 649-70	7.1	32
92	The effects of cocoa on the immune system. <i>Frontiers in Pharmacology</i> , 2013 , 4, 71	5.6	32
91	Influence of a cocoa-enriched diet on specific immune response in ovalbumin-sensitized rats. <i>Molecular Nutrition and Food Research</i> , 2009 , 53, 389-97	5.9	32
90	Cocoa-enriched diets modulate intestinal and systemic humoral immune response in young adult rats. <i>Molecular Nutrition and Food Research</i> , 2011 , 55 Suppl 1, S56-66	5.9	31
89	Supplementing suckling rats with whey protein concentrate modulates the immune response and ameliorates rat rotavirus-induced diarrhea. <i>Journal of Nutrition</i> , 2008 , 138, 2392-8	4.1	31
88	Mechanisms involved in down-regulation of intestinal IgA in rats by high cocoa intake. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 838-44	6.3	30
87	Immunomodulatory action of spermine and spermidine on NR8383 macrophage line in various culture conditions. <i>Cellular Immunology</i> , 2003 , 226, 86-94	4.4	29
86	Flavonoids on allergy. <i>Current Pharmaceutical Design</i> , 2014 , 20, 973-87	3.3	28
85	Preventive Effect of a Synbiotic Combination of Galacto- and Fructooligosaccharides Mixture With M-16V in a Model of Multiple Rotavirus Infections. <i>Frontiers in Immunology</i> , 2018 , 9, 1318	8.4	27
84	Prevention of Rotavirus Diarrhea in Suckling Rats by a Specific Fermented Milk Concentrate with Prebiotic Mixture. <i>Nutrients</i> , 2019 , 11,	6.7	25
83	Effect of a cocoa flavonoid-enriched diet on experimental autoimmune arthritis. <i>British Journal of Nutrition</i> , 2012 , 107, 523-32	3.6	25

82	Developmental changes in intraepithelial T lymphocytes and NK cells in the small intestine of neonatal rats. <i>Pediatric Research</i> , 2005 , 58, 885-91	3.2	25
81	Protective Effect of Hesperidin on the Oxidative Stress Induced by an Exhausting Exercise in Intensively Trained Rats. <i>Nutrients</i> , 2019 , 11,	6.7	24
80	Cocoa flavonoid-enriched diet modulates systemic and intestinal immunoglobulin synthesis in adult Lewis rats. <i>Nutrients</i> , 2013 , 5, 3272-86	6.7	24
79	Phenotypic and functional characteristics of rat spleen lymphocytes during suckling. <i>Developmental and Comparative Immunology</i> , 2007 , 31, 1264-77	3.2	24
78	Effect of cocoa's theobromine on intestinal microbiota of rats. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700238	5.9	23
77	Immunomodulatory and Prebiotic Effects of 2'Fucosyllactose in Suckling Rats. <i>Frontiers in Immunology</i> , 2019 , 10, 1773	8.4	23
76	Prebiotic effects of cocoa fibre on rats. <i>Journal of Functional Foods</i> , 2015 , 19, 341-352	5.1	22
75	Neonatal immunoglobulin secretion and lymphocyte phenotype in rat small intestine lamina propria. <i>Pediatric Research</i> , 2005 , 58, 164-9	3.2	22
74	Effect of a cocoa-enriched diet on immune response and anaphylaxis in a food allergy model in Brown Norway rats. <i>Journal of Nutritional Biochemistry</i> , 2016 , 27, 317-26	6.3	20
73	A fermented milk concentrate and a combination of short-chain galacto-oligosaccharides/long-chain fructo-oligosaccharides/pectin-derived acidic oligosaccharides protect suckling rats from rotavirus gastroenteritis. <i>British Journal of Nutrition</i> , 2017 , 117, 209-217	3.6	20
72	Cocoa intake attenuates oxidative stress associated with rat adjuvant arthritis. <i>Pharmacological Research</i> , 2012 , 66, 207-12	10.2	20
71	Characterization of clinical and immune response in a rotavirus diarrhea model in suckling Lewis rats. <i>Pediatric Research</i> , 2007 , 62, 658-63	3.2	20
70	Strain-Specific Probiotic Properties of Bifidobacteria and Lactobacilli for the Prevention of Diarrhea Caused by Rotavirus in a Preclinical Model. <i>Nutrients</i> , 2020 , 12,	6.7	20
69	Long-term feeding of the cis-9,trans-11 isomer of conjugated linoleic acid reinforces the specific immune response in rats. <i>Journal of Nutrition</i> , 2009 , 139, 76-81	4.1	19
68	Effect of a cocoa diet on the small intestine and gut-associated lymphoid tissue composition in an oral sensitization model in rats. <i>Journal of Nutritional Biochemistry</i> , 2017 , 42, 182-193	6.3	18
67	Gut Microbiota in a Rat Oral Sensitization Model: Effect of a Cocoa-Enriched Diet. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 7417505	6.7	18
66	Effects of a cocoa diet on an intestinal inflammation model in rats. <i>Experimental Biology and Medicine</i> , 2012 , 237, 1181-8	3.7	18
65	Leptin and adiponectin supplementation modifies mesenteric lymph node lymphocyte composition and functionality in suckling rats. <i>British Journal of Nutrition</i> , 2018 , 119, 486-495	3.6	17

64	Mucosal IgA increase in rats by continuous CLA feeding during suckling and early infancy. <i>Journal of Lipid Research</i> , 2009 , 50, 467-476	6.3	17
63	Cocoa Diet Prevents Antibody Synthesis and Modifies Lymph Node Composition and Functionality in a Rat Oral Sensitization Model. <i>Nutrients</i> , 2016 , 8, 242	6.7	17
62	Effect of cocoa-enriched diets on lymphocytes involved in adjuvant arthritis in rats. <i>British Journal of Nutrition</i> , 2012 , 107, 378-87	3.6	16
61	Higher immunoglobulin production in conjugated linoleic acid-supplemented rats during gestation and suckling. <i>British Journal of Nutrition</i> , 2009 , 102, 858-68	3.6	16
60	Preclinical Immunomodulation by the Probiotic Bifidobacterium breve M-16V in Early Life. <i>PLoS ONE</i> , 2016 , 11, e0166082	3.7	16
59	Association between urinary metabolic profile and the intestinal effects of cocoa in rats. <i>British Journal of Nutrition</i> , 2017 , 117, 623-634	3.6	14
58	Cocoa Diet and Antibody Immune Response in Preclinical Studies. <i>Frontiers in Nutrition</i> , 2017 , 4, 28	6.2	14
57	Development and characterization of an effective food allergy model in Brown Norway rats. <i>PLoS ONE</i> , 2015 , 10, e0125314	3.7	14
56	Influence of Hesperidin on the Systemic and Intestinal Rat Immune Response. <i>Nutrients</i> , 2017 , 9,	6.7	13
55	Cocoa and cocoa fibre differentially modulate IgA and IgM production at mucosal sites. <i>British Journal of Nutrition</i> , 2016 , 115, 1539-46	3.6	13
54	Oligosaccharides Modulate Rotavirus-Associated Dysbiosis and TLR Gene Expression in Neonatal Rats. <i>Cells</i> , 2019 , 8,	7.9	12
53	Relationship between Cocoa Intake and Healthy Status: A Pilot Study in University Students. <i>Molecules</i> , 2019 , 24,	4.8	11
52	Influence of Hesperidin on Systemic Immunity of Rats Following an Intensive Training and Exhausting Exercise. <i>Nutrients</i> , 2020 , 12,	6.7	11
51	CECT5716 Supplementation in Rats during Pregnancy and Lactation Impacts Maternal and Offspring Lipid Profile, Immune System and Microbiota. <i>Cells</i> , 2020 , 9,	7.9	11
50	Alterations in the innate immune system due to exhausting exercise in intensively trained rats. <i>Scientific Reports</i> , 2020 , 10, 967	4.9	11
49	TGF- β , EGF, and FGF21 Growth Factors Present in Breast Milk Promote Mesenteric Lymph Node Lymphocytes Maturation in Suckling Rats. <i>Nutrients</i> , 2018 , 10,	6.7	11
48	Cocoa polyphenols and fiber modify colonic gene expression in rats. <i>European Journal of Nutrition</i> , 2017 , 56, 1871-1885	5.2	10
47	Role of Theobromine in Cocoa's Metabolic Properties in Healthy Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 3605-3614	5.7	10

46	Theobromine Is Responsible for the Effects of Cocoa on the Antibody Immune Status of Rats. <i>Journal of Nutrition</i> , 2018 , 148, 464-471	4.1	10
45	Induction of An Oral Sensitization Model in Rats. <i>Clinical Immunology, Endocrine and Metabolic Drugs</i> , 2015 , 1, 89-101		10
44	Enhancement of antibody synthesis in rats by feeding cis-9,trans-11 conjugated linoleic acid during early life. <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 495-501	6.3	9
43	Associations of Breast Milk Microbiota, Immune Factors, and Fatty Acids in the Rat Mother-Offspring Pair. <i>Nutrients</i> , 2020 , 12,	6.7	8
42	Leptin and EGF Supplementation Enhance the Immune System Maturation in Preterm Suckling Rats. <i>Nutrients</i> , 2019 , 11,	6.7	8
41	The Breast Milk Immunoglobulinome. <i>Nutrients</i> , 2021 , 13,	6.7	8
40	SARS-CoV-2 RNA and antibody detection in breast milk from a prospective multicentre study in Spain. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2021 ,	4.7	8
39	A Preterm Rat Model for Immunonutritional Studies. <i>Nutrients</i> , 2019 , 11,	6.7	7
38	Influence of Leptin and Adiponectin Supplementation on Intraepithelial Lymphocyte and Microbiota Composition in Suckling Rats. <i>Frontiers in Immunology</i> , 2019 , 10, 2369	8.4	7
37	Gene expression profiles in rat mesenteric lymph nodes upon supplementation with conjugated linoleic acid during gestation and suckling. <i>BMC Genomics</i> , 2011 , 12, 182	4.5	7
36	Intestinal intraepithelial NK and NKT cell ontogeny in Lewis rats. <i>Developmental and Comparative Immunology</i> , 2008 , 32, 1405-8	3.2	7
35	Lactobacillus fermentum CECT5716 supplementation in rats during pregnancy and lactation affects mammary milk composition. <i>Journal of Dairy Science</i> , 2020 , 103, 2982-2992	4	7
34	Gut Health-Promoting Benefits of a Dietary Supplement of Vitamins with Inulin and Acacia Fibers in Rats. <i>Nutrients</i> , 2020 , 12,	6.7	7
33	Enhancement of immune maturation in suckling rats by leptin and adiponectin supplementation. <i>Scientific Reports</i> , 2019 , 9, 1786	4.9	6
32	Second International Congress on Chocolate and Cocoa in Medicine Held in Barcelona, Spain, 25-26th September 2015. <i>Nutrients</i> , 2015 , 7, 9785-803	6.7	6
31	Anti-inflammatory effects of cocoa in rat carrageenin-induced paw oedema. <i>Proceedings of the Nutrition Society</i> , 2008 , 67,	2.9	6
30	Rotavirus Double Infection Model to Study Preventive Dietary Interventions. <i>Nutrients</i> , 2019 , 11,	6.7	5
29	Development and Characterization of an Allergic Asthma Rat Model for Interventional Studies. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5

28	Changes in Lymphocyte Composition and Functionality After Intensive Training and Exhausting Exercise in Rats. <i>Frontiers in Physiology</i> , 2019 , 10, 1491	4.6	5
27	Motor activity as an unbiased variable to assess anaphylaxis in allergic rats. <i>Experimental Biology and Medicine</i> , 2015 , 240, 1373-7	3.7	4
26	Late postnatal expansion of self-reactive CD8alphaalpha+ intestinal intraepithelial lymphocytes in mice. <i>Autoimmunity</i> , 2004 , 37, 537-47	3	4
25	Anti-Sars-Cov-2 IgA And IgG In Human Milk After Vaccination Is Dependent On Vaccine Type And Previous Sars-Cov-2 Exposure: A Longitudinal Study.		4
24	Alterations in the mucosal immune system by a chronic exhausting exercise in Wistar rats. <i>Scientific Reports</i> , 2020 , 10, 17950	4.9	3
23	Prebiotics for Gastrointestinal Infections and Acute Diarrhea 2019 , 179-191		3
22	Association of Maternal Microbiota and Diet in Cord Blood Cytokine and Immunoglobulin Profiles. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
21	Effects of a Postbiotic and Prebiotic Mixture on Suckling Rats Microbiota and Immunity. <i>Nutrients</i> , 2021 , 13,	6.7	3
20	Anti-SARS-CoV-2 IgA and IgG in human milk after vaccination is dependent on vaccine type and previous SARS-CoV-2 exposure: a longitudinal study.. <i>Genome Medicine</i> , 2022 , 14, 42	14.4	3
19	Porcine Digestible Peptides (PDP) in Weanling Diets Regulates the Expression of Genes Involved in Gut Barrier Function, Immune Response and Nutrient Transport in Nursery Pigs. <i>Animals</i> , 2020 , 10,	3.1	2
18	Modulation of the Systemic Immune Response in Suckling Rats by Breast Milk TGF- β , EGF and FGF21 Supplementation. <i>Nutrients</i> , 2020 , 12,	6.7	2
17	A new food frequency questionnaire to assess chocolate and cocoa consumption. <i>Nutrition</i> , 2016 , 32, 811-7	4.8	2
16	Potential of systemic humoral immune response in suckling rats by conjugated linoleic acid (CLA). <i>Proceedings of the Nutrition Society</i> , 2008 , 67,	2.9	2
15	Cocoa and the Immune System and Proliferative Disorders 2010 , 469-496		2
14	Clinical Benefits of Cocoa: An Overview 2013 , 265-275		2
13	Sexual Dimorphism Has Low Impact on the Response against Rotavirus Infection in Suckling Rats. <i>Vaccines</i> , 2020 , 8,	5.3	2
12	Does Flavonoid Consumption Improve Exercise Performance? Is It Related to Changes in the Immune System and Inflammatory Biomarkers? A Systematic Review of Clinical Studies since 2005. <i>Nutrients</i> , 2021 , 13,	6.7	2
11	Rat Milk and Plasma Immunological Profile throughout Lactation. <i>Nutrients</i> , 2021 , 13,	6.7	2

10	Preventive Effect of a Postbiotic and Prebiotic Mixture in a Rat Model of Early Life Rotavirus Induced-Diarrhea.. <i>Nutrients</i> , 2022 , 14,	6.7	2
9	Attenuating Effect of Peruvian Cocoa Populations on the Acute Asthmatic Response in Brown Norway Rats. <i>Nutrients</i> , 2020 , 12,	6.7	1
8	SARS-CoV-2 RNA and antibody detection in human milk from a prospective multicenter study in Spain		1
7	Influence of a Cocoa-Enriched Diet on the Intestinal Immune System and Microbiota 2019 , 213-225		1
6	Nutrition During Pregnancy and Lactation: New Evidence for the Vertical Transmission of Extra Virgin Olive Oil Phenolic Compounds in Rats. <i>Food Chemistry</i> , 2022 , 133211	8.5	1
5	A Galactooligosaccharide Product Decreases the Rotavirus Infection in Suckling Rats. <i>Cells</i> , 2022 , 11, 1669	7.9	1
4	Strategies of inorganic and organic trace mineral supplementation in gestating hyperprolific sow diets: effects on the offspring performance and fetal programming. <i>Journal of Animal Science</i> , 2021 , 99,	0.7	0
3	A Cocoa Diet Can Partially Attenuate the Alterations in Microbiota and Mucosal Immunity Induced by a Single Session of Intensive Exercise in Rats.. <i>Frontiers in Nutrition</i> , 2022 , 9, 861533	6.2	0
2	Persistence of Anti SARS-CoV-2 Antibodies in Breast Milk from Infected and Vaccinated Women after In Vitro-Simulated Gastrointestinal Digestion. <i>Nutrients</i> , 2022 , 14, 2117	6.7	0
1	The Effects of Flavonoids on the Immune System 2013 , 175-188		