Margarida Castell

List of Publications by Year
in descending order

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Version: 2024-02-01

139 papers	3,779 citations	125106 35 h-index	190340 53 g-index
141 all docs	141 docs citations	141 times ranked	4650 citing authors

#	Article	IF	Citations
1	Influence of Consumption of Two Peruvian Cocoa Populations on Mucosal and Systemic Immune Response in an Allergic Asthma Rat Model. Nutrients, 2022, 14, 410.	1.7	1
2	Editorial: Beyond Probiotics: Dietary Microbial Modulators of the Immune System - Effects and Mechanisms. Frontiers in Nutrition, 2022, 9, 852086.	1.6	0
3	Preventive Effect of a Postbiotic and Prebiotic Mixture in a Rat Model of Early Life Rotavirus Induced-Diarrhea. Nutrients, 2022, 14, 1163.	1.7	8
4	CONSTRUCTION OF THE ONLINE CLASS THROUGH THE SLIDE EXPLANATIONS OF MASTER STUDENTS: THE SLIDE-4-U PROJECT. INTED Proceedings, 2022, , .	0.0	0
5	A Cocoa Diet Can Partially Attenuate the Alterations in Microbiota and Mucosal Immunity Induced by a Single Session of Intensive Exercise in Rats. Frontiers in Nutrition, 2022, 9, 861533.	1.6	4
6	Protective Effect of a Cocoa-Enriched Diet on Oxidative Stress Induced by Intensive Acute Exercise in Rats. Antioxidants, 2022, 11, 753.	2.2	3
7	A Galactooligosaccharide Product Decreases the Rotavirus Infection in Suckling Rats. Cells, 2022, 11, 1669.	1.8	2
8	Association of Maternal Microbiota and Diet in Cord Blood Cytokine and Immunoglobulin Profiles. International Journal of Molecular Sciences, 2021, 22, 1778.	1.8	15
9	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. Nutrients, 2021, 13, 1132.	1.7	15
10	Rat Milk and Plasma Immunological Profile throughout Lactation. Nutrients, 2021, 13, 1257.	1.7	9
11	The Breast Milk Immunoglobulinome. Nutrients, 2021, 13, 1810.	1.7	46
12	SLIDE4U: CONSTRUCTION OF THE ONLINE CLASS THROUGH THE SLIDES EXPLAINED BY STUDENTS OF â€œHUMAN NUTRITION AND DIETETICSâ€• , 2021, , .		0
13	Effects of a Postbiotic and Prebiotic Mixture on Suckling Ratsâ€™ Microbiota and Immunity. Nutrients, 2021, 13, 2975.	1.7	14
14	Alterations in the mucosal immune system by a chronic exhausting exercise in Wistar rats. Scientific Reports, 2020, 10, 17950.	1.6	12
15	Sexual Dimorphism Has Low Impact on the Response against Rotavirus Infection in Suckling Rats. Vaccines, 2020, 8, 345.	2.1	2
16	Gut Health-Promoting Benefits of a Dietary Supplement of Vitamins with Inulin and Acacia Fibers in Rats. Nutrients, 2020, 12, 2196.	1.7	22
17	Attenuating Effect of Peruvian Cocoa Populations on the Acute Asthmatic Response in Brown Norway Rats. Nutrients, 2020, 12, 2301.	1.7	6
18	Influence of Hesperidin on Systemic Immunity of Rats Following an Intensive Training and Exhausting Exercise. Nutrients, 2020, 12, 1291.	1.7	15

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19	Development and Characterization of an Allergic Asthma Rat Model for Interventional Studies. International Journal of Molecular Sciences, 2020, 21, 3841.	1.8	12
20	Lactobacillus fermentum CECT5716 Supplementation in Rats during Pregnancy and Lactation Impacts Maternal and Offspring Lipid Profile, Immune System and Microbiota. Cells, 2020, 9, 575.	1.8	27
21	Modulation of the Systemic Immune Response in Suckling Rats by Breast Milk TGF-Î²2, EGF and FGF21 Supplementation. Nutrients, 2020, 12, 1888.	1.7	7
22	Associations of Breast Milk Microbiota, Immune Factors, and Fatty Acids in the Rat Motherâ€“Offspring Pair. Nutrients, 2020, 12, 319.	1.7	14
23	Alterations in the innate immune system due to exhausting exercise in intensively trained rats. Scientific Reports, 2020, 10, 967.	1.6	19
24	Lactobacillus fermentum CECT5716 supplementation in rats during pregnancy and lactation affects mammary milk composition. Journal of Dairy Science, 2020, 103, 2982-2992.	1.4	19
25	Strain-Specific Probiotic Properties of Bifidobacteria and Lactobacilli for the Prevention of Diarrhea Caused by Rotavirus in a Preclinical Model. Nutrients, 2020, 12, 498.	1.7	41
26	Intensive Training and Sex Influence Intestinal Microbiota Composition: A Preclinical Approach. , 2020, 61, .		1
27	Cocoa and Cocoa Fibre Intake Modulate Reactive Oxygen Species and Immunoglobulin Production in Rats Submitted to Acute Running Exercise. , 2020, 61, .		0
28	Oligosaccharides Modulate Rotavirus-Associated Dysbiosis and TLR Gene Expression in Neonatal Rats. Cells, 2019, 8, 876.	1.8	21
29	Immunomodulatory and Prebiotic Effects of 2â€²-Fucosyllactose in Suckling Rats. Frontiers in Immunology, 2019, 10, 1773.	2.2	40
30	Leptin and EGF Supplementation Enhance the Immune System Maturation in Preterm Suckling Rats. Nutrients, 2019, 11, 2380.	1.7	10
31	Influence of Leptin and Adiponectin Supplementation on Intraepithelial Lymphocyte and Microbiota Composition in Suckling Rats. Frontiers in Immunology, 2019, 10, 2369.	2.2	19
32	Prevention of Rotavirus Diarrhea in Suckling Rats by a Specific Fermented Milk Concentrate with Prebiotic Mixture. Nutrients, 2019, 11, 189.	1.7	34
33	Rotavirus Double Infection Model to Study Preventive Dietary Interventions. Nutrients, 2019, 11, 131.	1.7	6
34	Hesperidin Effects on Gut Microbiota and Gut-Associated Lymphoid Tissue in Healthy Rats. Nutrients, 2019, 11, 324.	1.7	91
35	A Preterm Rat Model for Immunonutritional Studies. Nutrients, 2019, 11, 999.	1.7	14
36	Protective Effect of Hesperidin on the Oxidative Stress Induced by an Exhausting Exercise in Intensively Trained Rats. Nutrients, 2019, 11, 783.	1.7	44

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37	Relationship between Cocoa Intake and Healthy Status: A Pilot Study in University Students. Molecules, 2019, 24, 812.	1.7	18
38	Role of Theobromine in Cocoaâ€™s Metabolic Properties in Healthy Rats. Journal of Agricultural and Food Chemistry, 2019, 67, 3605-3614.	2.4	23
39	Enhancement of immune maturation in suckling rats by leptin and adiponectin supplementation. Scientific Reports, 2019, 9, 1786.	1.6	8
40	Prebiotics for Gastrointestinal Infections and Acute Diarrhea. , 2019, , 179-191.		3
41	Influence of a Cocoa-Enriched Diet on the Intestinal Immune System and Microbiota. , 2019, , 213-225.		2
42	Changes in Lymphocyte Composition and Functionality After Intensive Training and Exhausting Exercise in Rats. Frontiers in Physiology, 2019, 10, 1491.	1.3	16
43	Leptin and adiponectin supplementation modifies mesenteric lymph node lymphocyte composition and functionality in suckling rats. British Journal of Nutrition, 2018, 119, 486-495.	1.2	21
44	Theobromine Is Responsible for the Effects of Cocoa on the Antibody Immune Status of Rats. Journal of Nutrition, 2018, 148, 464-471.	1.3	19
45	Supplementation With 2â€²-FL and scGOS/lcFOS Ameliorates Rotavirus-Induced Diarrhea in Suckling Rats. Frontiers in Cellular and Infection Microbiology, 2018, 8, 372.	1.8	44
46	TGF-Î²2, EGF, and FGF21 Growth Factors Present in Breast Milk Promote Mesenteric Lymph Node Lymphocytes Maturation in Suckling Rats. Nutrients, 2018, 10, 1171.	1.7	16
47	Preventive Effect of a Synbiotic Combination of Galacto- and Fructooligosaccharides Mixture With Bifidobacterium breve M-16V in a Model of Multiple Rotavirus Infections. Frontiers in Immunology, 2018, 9, 1318.	2.2	34
48	Cocoa polyphenols and fiber modify colonic gene expression in rats. European Journal of Nutrition, 2017, 56, 1871-1885.	1.8	16
49	Effect of a cocoa diet on the small intestine and gut-associated lymphoid tissue composition in an oral sensitization model in rats. Journal of Nutritional Biochemistry, 2017, 42, 182-193.	1.9	23
50	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. British Journal of Nutrition, 2017, 117, 209-217.	1.2	25
51	Effect of cocoa's theobromine on intestinal microbiota of rats. Molecular Nutrition and Food Research, 2017, 61, 1700238.	1.5	36
52	Association between urinary metabolic profile and the intestinal effects of cocoa in rats. British Journal of Nutrition, 2017, 117, 623-634.	1.2	17
53	Influence of Hesperidin on the Systemic and Intestinal Rat Immune Response. Nutrients, 2017, 9, 580.	1.7	17
54	Cocoa Diet and Antibody Immune Response in Preclinical Studies. Frontiers in Nutrition, 2017, 4, 28.	1.6	16

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55	Gut Microbiota in a Rat Oral Sensitization Model: Effect of a Cocoa-Enriched Diet. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-12.	1.9	22
56	EVALUATION OF THE APPLICATION OF TRANSVERSE CLINICAL CASES TO THE SUBJECT OF PHYSIOLOGY AND PATHOPHYSIOLOGY III OF THE PHARMACY DEGREE. , 2017, , .		0
57	Influence of Phenol-Enriched Olive Oils on Human Intestinal Immune Function. Nutrients, 2016, 8, 213.	1.7	47
58	Cocoa Diet Prevents Antibody Synthesis and Modifies Lymph Node Composition and Functionality in a Rat Oral Sensitization Model. Nutrients, 2016, 8, 242.	1.7	23
59	Flavonoids, Inflammation and Immune System. Nutrients, 2016, 8, 659.	1.7	102
60	Preclinical Immunomodulation by the Probiotic Bifidobacterium breve M-16V in Early Life. PLoS ONE, 2016, 11, e0166082.	1.1	23
61	Cocoa and cocoa fibre differentially modulate IgA and IgM production at mucosal sites. British Journal of Nutrition, 2016, 115, 1539-1546.	1.2	19
62	A new food frequency questionnaire to assess chocolate and cocoa consumption. Nutrition, 2016, 32, 811-817.	1.1	2
63	Effect of a cocoa-enriched diet on immune response and anaphylaxis in a food allergy model in Brown Norway rats. Journal of Nutritional Biochemistry, 2016, 27, 317-326.	1.9	27
64	Development and Characterization of an Effective Food Allergy Model in Brown Norway Rats. PLoS ONE, 2015, 10, e0125314.	1.1	20
65	Second International Congress on Chocolate and Cocoa in Medicine Held in Barcelona, Spain, 25â€“26th September 2015. Nutrients, 2015, 7, 9785-9803.	1.7	6
66	Motor activity as an unbiased variable to assess anaphylaxis in allergic rats. Experimental Biology and Medicine, 2015, 240, 1373-1377.	1.1	5
67	Prebiotic effects of cocoa fibre on rats. Journal of Functional Foods, 2015, 19, 341-352.	1.6	29
68	Induction of An Oral Sensitization Model in Rats. Clinical Immunology, Endocrine and Metabolic Drugs, 2015, 1, 89-101.	0.3	11
69	Flavonoids Affect Host-Microbiota Crosstalk through TLR Modulation. Antioxidants, 2014, 3, 649-670.	2.2	39
70	Impact of cocoa polyphenol extracts on the immune system and microbiota in two strains of young rats. British Journal of Nutrition, 2014, 112, 1944-1954.	1.2	42
71	Flavonoids on Allergy. Current Pharmaceutical Design, 2014, 20, 973-987.	0.9	41
72	The effects of cocoa on the immune system. Frontiers in Pharmacology, 2013, 4, 71.	1.6	40

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73	Cocoa Flavonoid-Enriched Diet Modulates Systemic and Intestinal Immunoglobulin Synthesis in Adult Lewis Rats. Nutrients, 2013, 5, 3272-3286.	1.7	30
74	The Effects of Flavonoids on the Immune System. , 2013, , 175-188.		0
75	Clinical Benefits of Cocoa: An Overview. , 2013, , 265-275.		3
76	Effect of cocoa-enriched diets on lymphocytes involved in adjuvant arthritis in rats. British Journal of Nutrition, 2012, 107, 378-387.	1.2	21
77	The Suckling Rat as a Model for Immunonutrition Studies in Early Life. Clinical and Developmental Immunology, 2012, 2012, 1-16.	3.3	46
78	Immunonutrition in Early Life: Diet and Immune Development. Clinical and Developmental Immunology, 2012, 2012, 1-2.	3.3	3
79	Effect of a cocoa flavonoid-enriched diet on experimental autoimmune arthritis. British Journal of Nutrition, 2012, 107, 523-532.	1.2	30
80	Effects of cooling and freezing storage on the stability of bioactive factors in human colostrum. Journal of Dairy Science, 2012, 95, 2319-2325.	1.4	58
81	Effects of a cocoa diet on an intestinal inflammation model in rats. Experimental Biology and Medicine, 2012, 237, 1181-1188.	1.1	21
82	Cocoa modulatory effect on rat faecal microbiota and colonic crosstalk. Archives of Biochemistry and Biophysics, 2012, 527, 105-112.	1.4	103
83	A diet enriched with cocoa prevents IgE synthesis in a rat allergy model. Pharmacological Research, 2012, 65, 603-608.	3.1	50
84	Cocoa intake attenuates oxidative stress associated with rat adjuvant arthritis. Pharmacological Research, 2012, 66, 207-212.	3.1	23
85	Mechanisms involved in down-regulation of intestinal IgA in rats by high cocoa intake. Journal of Nutritional Biochemistry, 2012, 23, 838-844.	1.9	36
86	Cocoaâ€enriched diets modulate intestinal and systemic humoral immune response in young adult rats. Molecular Nutrition and Food Research, 2011, 55, S56-66.	1.5	37
87	Enhancement of antibody synthesis in rats by feeding cis-9,trans-11 conjugated linoleic acid during early life. Journal of Nutritional Biochemistry, 2011, 22, 495-501.	1.9	12
88	Premature Delivery Influences the Immunological Composition of Colostrum and Transitional and Mature Human Milk. Journal of Nutrition, 2011, 141, 1181-1187.	1.3	203
89	Distribution of epicatechin metabolites in lymphoid tissues and testes of young rats with a cocoa-enriched diet. British Journal of Nutrition, 2010, 103, 1393-1397.	1.2	32
90	Influence of breast milk polyamines on suckling rat immune system maturation. Developmental and Comparative Immunology, 2010, 34, 210-218.	1.0	66

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91	Maintenance of breast milk immunoglobulin A after high-pressure processing. Journal of Dairy Science, 2010, 93, 877-883.	1.4	83
92	Liposomal encapsulation enhances and prolongs the anti-inflammatory effects of water-soluble dexamethasone phosphate in experimental adjuvant arthritis. Arthritis Research and Therapy, 2010, 12, R147.	1.6	69
93	Cocoa and the Immune System and Proliferative Disorders. , 2010, , 469-496.		2
94	Mucosal IgA increase in rats by continuous CLA feeding during suckling and early infancy. Journal of Lipid Research, 2009, 50, 467-476.	2.0	22
95	Long-Term Feeding of the cis-9,trans-11 Isomer of Conjugated Linoleic Acid Reinforces the Specific Immune Response in Rats. Journal of Nutrition, 2009, 139, 76-81.	1.3	23
96	Influence of a cocoaâ€enriched diet on specific immune response in ovalbuminâ€sensitized rats. Molecular Nutrition and Food Research, 2009, 53, 389-397.	1.5	37
97	Neuroprotective effect of cocoa flavonids on in vitro oxidative stress. European Journal of Nutrition, 2009, 48, 54-61.	1.8	57
98	Epicatechin, procyanidins, and phenolic microbial metabolites after cocoa intake in humans and rats. Analytical and Bioanalytical Chemistry, 2009, 394, 1545-1556.	1.9	192
99	Cocoa: antioxidant and immunomodulator. British Journal of Nutrition, 2009, 101, 931-940.	1.2	113
100	Higher immunoglobulin production in conjugated linoleic acid-supplemented rats during gestation and suckling. British Journal of Nutrition, 2009, 102, 858-868.	1.2	19
101	Intestinal immune system of young rats influenced by cocoa-enriched diet. Journal of Nutritional Biochemistry, 2008, 19, 555-565.	1.9	79
102	Clinical benefit and preservation of flavonols in dark chocolate manufacturing. Nutrition Reviews, 2008, 66, 630-641.	2.6	64
103	Intestinal intraepithelial NK and NKT cell ontogeny in Lewis rats. Developmental and Comparative Immunology, 2008, 32, 1405-1408.	1.0	10
104	Supplementing Suckling Rats with Whey Protein Concentrate Modulates the Immune Response and Ameliorates Rat Rotavirus-Induced Diarrhea. Journal of Nutrition, 2008, 138, 2392-2398.	1.3	40
105	Conjugated linoleic acid feeding during rat suckling period enhances intestinal IgA production. Proceedings of the Nutrition Society, 2008, 67, .	0.4	0
106	Milk-derived supplement inhibits in vitro lymphocyte proliferation and IL-2 production. Proceedings of the Nutrition Society, 2008, 67, .	0.4	0
107	Effect on lymphoproliferation and in vitro Ig production of splenocytes from suckling rats when supplemented with conjugated linoleic acid. Proceedings of the Nutrition Society, 2008, 67, .	0.4	0
108	Anti-inflammatory effects of cocoa in rat carrageenin-induced paw oedema. Proceedings of the Nutrition Society, 2008, 67, .	0.4	7

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109	Potentiation of systemic humoral immune response in suckling rats by conjugated linoleic acid (CLA). Proceedings of the Nutrition Society, 2008, 67, .	0.4	2
110	Characterization of Clinical and Immune Response in a Rotavirus Diarrhea Model in Suckling Lewis Rats. Pediatric Research, 2007, 62, 658-663.	1.1	23
111	Bovine whey protein concentrate supplementation modulates maturation of immune system in suckling rats. British Journal of Nutrition, 2007, 98, S80-S84.	1.2	45
112	Phenotypic and functional characteristics of rat spleen lymphocytes during suckling. Developmental and Comparative Immunology, 2007, 31, 1264-1277.	1.0	28
113	Cocoa-Enriched Diet Enhances Antioxidant Enzyme Activity and Modulates Lymphocyte Composition in Thymus from Young Rats. Journal of Agricultural and Food Chemistry, 2007, 55, 6431-6438.	2.4	72
114	Spleen lymphocyte function modulated by a cocoa-enriched diet. Clinical and Experimental Immunology, 2007, 149, 535-542.	1.1	51
115	Effective treatment of adjuvant arthritis with a stimulatory CD28-specific monoclonal antibody. Journal of Rheumatology, 2006, 33, 110-8.	1.0	38
116	Effect of Theobroma cacao flavonoids on immune activation of a lymphoid cell line. British Journal of Nutrition, 2005, 93, 859-866.	1.2	54
117	Developmental Changes in Intraepithelial T Lymphocytes and NK Cells in the Small Intestine of Neonatal Rats. Pediatric Research, 2005, 58, 885-891.	1.1	32
118	Neonatal Immunoglobulin Secretion and Lymphocyte Phenotype in Rat Small Intestine Lamina Propria. Pediatric Research, 2005, 58, 164-169.	1.1	23
119	Flavonoids fromTheobroma cacaoDown-Regulate Inflammatory Mediators. Journal of Agricultural and Food Chemistry, 2005, 53, 8506-8511.	2.4	98
120	Immunomodulatory action of spermine and spermidine on NR8383 macrophage line in various culture conditions. Cellular Immunology, 2003, 226, 86-94.	1.4	32
121	CD4 Expression Decrease by Antisense Oligonucleotides: Inhibition of Rat T CD4+ Cell Reactivity. Oligonucleotides, 2003, 13, 217-228.	2.7	3
122	Circadian rhythms in surface molecules of rat blood lymphocytes. American Journal of Physiology - Cell Physiology, 2003, 284, C67-C76.	2.1	44
123	Inhibition of CD4 Expression by Antisense Oligonucleotides in PMA-Treated Lymphocytes. Oligonucleotides, 2002, 12, 399-410.	4.4	3
124	Prevention of adjuvant arthritis by the W3/25 anti-CD4 monoclonal antibody is associated with a decrease of blood CD4+ CD45RChigh T cells. Clinical and Experimental Immunology, 2001, 125, 470-477.	1.1	12
125	Alterations of lymphocyte populations in lymph nodes but not in spleen during the latency period of adjuvant arthritis. Inflammation, 1999, 23, 153-165.	1.7	16
126	An image analysis strategy to determine the distribution of cell types in spleen sections. Acta Histochemica, 1999, 101, 281-291.	0.9	3

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127	Kinetics of W3/25 anti-rat CD4 monoclonal antibody. Immunopharmacology, 1998, 39, 83-91.	2.0	7
128	Depletion of Î³/Î´ T cells does not prevent or ameliorate, but rather aggravates, rat adjuvant arthritis. Arthritis and Rheumatism, 1996, 39, 204-215.	6.7	47
129	Cytoskeletal Autoantibodies. , 1996, , 217-226.		2
130	Comparison of four lymphocyte isolation methods applied to rodent T cell subpopulations and B cells. Journal of Immunological Methods, 1995, 187, 265-271.	0.6	33
131	Administration of a Nondepleting Anti-CD4 Monoclonal Antibody (W3/25) Prevents Adjuvant Arthritis, Even upon Rechallenge: Parallel Administration of a Depleting Anti-CD8 Monoclonal Antibody (OX8) Does Not Modify the Effect of W3/25. Cellular Immunology, 1995, 165, 177-182.	1.4	25
132	Effect of acetylsalicylic acid and dexamethasone on antibody production in adjuvant arthritis. Rheumatology International, 1994, 14, 27-31.	1.5	9
133	Time Course of Antibodies against IgG and Type II Collagen in Adjuvant Arthritis. Role of Mycobacteria Administration in Antibody Production. Immunobiology, 1994, 190, 93-104.	0.8	8
134	Blood B, T, CD4+ and CD8+ lymphocytes in female Wistar rats. Annals of Hematology, 1993, 67, 115-118.	0.8	8
135	Alterations of motor activity circadian rhythm in rats with adjuvant arthritis. Pain, 1988, 33, 379-383.	2.0	7
136	Anti-immunoglobulin antibody detection in adjuvant arthritis by an ELISA technique. Pathology Research and Practice, 1986, 181, 664-667.	1.0	11
137	Detection of Blocking Antibodies After Hyposensitization. Immunobiology, 1985, 169, 30-36.	0.8	0
138	Phosphate-inhibition of lipase activity in peanuts. JAOCS, Journal of the American Oil Chemists' Society, 1974, 51, 112-113.	0.8	4
139	Staphylococcus epidermidisâ€™ Overload During Suckling Impacts the Immune Development in Rats. Frontiers in Nutrition, 0, 9, .	1.6	2