

# MarÃ-a J RodrÃ-guez-Lagunas

## List of Publications by Year in descending order

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Version: 2024-02-01

84  
papers

1,672  
citations

279778

23  
h-index

345203

36  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2093  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 RNA and antibody detection in breast milk from a prospective multicentre study in Spain. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2022, 107, 216-221.	2.8	33
2	Influence of Consumption of Two Peruvian Cocoa Populations on Mucosal and Systemic Immune Response in an Allergic Asthma Rat Model. Nutrients, 2022, 14, 410.	4.1	1
3	Preventive Effect of a Postbiotic and Prebiotic Mixture in a Rat Model of Early Life Rotavirus Induced-Diarrhea. Nutrients, 2022, 14, 1163.	4.1	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	Enhanced Transdermal Delivery of Pranoprofen Using a Thermo-Reversible Hydrogel Loaded with Lipid Nanocarriers for the Treatment of Local Inflammation. Pharmaceuticals, 2022, 15, 22.	3.8	6
6	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.	3.7	4
7	Protective Effect of a Cocoa-Enriched Diet on Oxidative Stress Induced by Intensive Acute Exercise in Rats. Antioxidants, 2022, 11, 753.	5.1	3
8	Effect of Penetration Enhancers and Safety on the Transdermal Delivery of Apremilast in Skin. Pharmaceutics, 2022, 14, 1011.	4.5	8
9	Nutrition during pregnancy and lactation: New evidence for the vertical transmission of extra virgin olive oil phenolic compounds in rats. Food Chemistry, 2022, 391, 133211.	8.2	2
10	A Galactooligosaccharide Product Decreases the Rotavirus Infection in Suckling Rats. Cells, 2022, 11, 1669.	4.1	2
11	Biopharmaceutic study and <i>in vivo</i> efficacy of natural and derivatives flavanones formulations. Nanomedicine, 2021, 16, 205-220.	3.3	2
12	Association of Maternal Microbiota and Diet in Cord Blood Cytokine and Immunoglobulin Profiles. International Journal of Molecular Sciences, 2021, 22, 1778.	4.1	15
13	Rat Milk and Plasma Immunological Profile throughout Lactation. Nutrients, 2021, 13, 1257.	4.1	9
14	The Breast Milk Immunoglobulinome. Nutrients, 2021, 13, 1810.	4.1	46
15	SLIDE4U: CONSTRUCTION OF THE ONLINE CLASS THROUGH THE SLIDES EXPLAINED BY STUDENTS OF "HUMAN NUTRITION AND DIETETICS", 2021, , .		0
16	WHERE DO I THROW THIS? RESIDUS ULD-UB A MOBILE APP TO DECIDE IF A MATERIAL GENERATED DURING THE PRACTICAL CLASSES REQUIRES MANAGEMENT AS CHEMICAL WASTE. , 2021, , .		0
17	RESOURCES FOR LEARNING HUMAN PHYSIOLOGY FOR STUDENTS OF HUMAN NUTRITION AND DIETETICS DURING THE FIRST COVID-19 LOCKDOWN. EDULEARN Proceedings, 2021, , .	0.0	0
18	Screening Anti-Inflammatory Effects of Flavanones Solutions. International Journal of Molecular Sciences, 2021, 22, 8878.	4.1	7

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19	Effects of a Postbiotic and Prebiotic Mixture on Suckling Rats' Microbiota and Immunity. <i>Nutrients</i> , 2021, 13, 2975.	4.1	14
20	Surface-Modified Multifunctional Thymol-Loaded Biodegradable Nanoparticles for Topical Acne Treatment. <i>Pharmaceutics</i> , 2021, 13, 1501.	4.5	15
21	Development of Lactoferrin-Loaded Liposomes for the Management of Dry Eye Disease and Ocular Inflammation. <i>Pharmaceutics</i> , 2021, 13, 1698.	4.5	28
22	HPV Lesions and Other Issues in the Oral Cavity Treatment and Removal without Pain. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11158.	4.1	4
23	Development of topical eye-drops of lactoferrin-loaded biodegradable nanoparticles for the treatment of anterior segment inflammatory processes. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121188.	5.2	20
24	Ex Vivo and In Vivo Anti-inflammatory Evaluations of Modulated Flavanones Solutions. <i>Proceedings (mdpi)</i> , 2021, 78, 23.	0.2	0
25	Endogenous Antioxidant Cocktail Loaded Hydrogel for Topical Wound Healing of Burns. <i>Pharmaceutics</i> , 2021, 13, 8.	4.5	10
26	Thymol-loaded PLGA nanoparticles: an efficient approach for acne treatment. <i>Journal of Nanobiotechnology</i> , 2021, 19, 359.	9.1	31
27	New Formulations Loading Caspofungin for Topical Therapy of Vulvovaginal Candidiasis. <i>Gels</i> , 2021, 7, 259.	4.5	12
28	Design and evaluation of a multifunctional thermosensitive poloxamer-chitosan-hyaluronic acid gel for the treatment of skin burns. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 412-422.	7.5	46
29	Sexual Dimorphism Has Low Impact on the Response against Rotavirus Infection in Suckling Rats. <i>Vaccines</i> , 2020, 8, 345.	4.4	2
30	Gut Health-Promoting Benefits of a Dietary Supplement of Vitamins with Inulin and Acacia Fibers in Rats. <i>Nutrients</i> , 2020, 12, 2196.	4.1	22
31	Apremilast Microemulsion as Topical Therapy for Local Inflammation: Design, Characterization and Efficacy Evaluation. <i>Pharmaceutics</i> , 2020, 13, 484.	3.8	16
32	Development and Characterization of an Allergic Asthma Rat Model for Interventional Studies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3841.	4.1	12
33	Transcriptomic microRNA Profiling of Dendritic Cells in Response to Gut Microbiota-Secreted Vesicles. <i>Cells</i> , 2020, 9, 1534.	4.1	15
34	Topical Pioglitazone Nanoformulation for the Treatment of Atopic Dermatitis: Design, Characterization and Efficacy in Hairless Mouse Model. <i>Pharmaceutics</i> , 2020, 12, 255.	4.5	22
35	<i>Lactobacillus fermentum</i> CECT5716 Supplementation in Rats during Pregnancy and Lactation Impacts Maternal and Offspring Lipid Profile, Immune System and Microbiota. <i>Cells</i> , 2020, 9, 575.	4.1	27
36	Modulation of the Systemic Immune Response in Suckling Rats by Breast Milk TGF- $\beta$ 2, EGF and FGF21 Supplementation. <i>Nutrients</i> , 2020, 12, 1888.	4.1	7

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37	Associations of Breast Milk Microbiota, Immune Factors, and Fatty Acids in the Rat Mother's Offspring Pair. <i>Nutrients</i> , 2020, 12, 319.	4.1	14
38	Study of Melatonin as Preventive Agent of Gastrointestinal Damage Induced by Sodium Diclofenac. <i>Cells</i> , 2020, 9, 180.	4.1	7
39	Melatonin nanogel promotes skin healing response in burn wounds of rats. <i>Nanomedicine</i> , 2020, 15, 2133-2147.	3.3	5
40	<i>Lactobacillus fermentum</i> CECT5716 supplementation in rats during pregnancy and lactation affects mammary milk composition. <i>Journal of Dairy Science</i> , 2020, 103, 2982-2992.	3.4	19
41	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, 498.	4.1	41
42	Dietary Consumption of Polyphenols in University Students' Relationship with Their Health-Related Habits. , 2020, 61, .		1
43	Cocoa and Cocoa Fibre Intake Modulate Reactive Oxygen Species and Immunoglobulin Production in Rats Submitted to Acute Running Exercise. , 2020, 61, .		0
44	Oligosaccharides Modulate Rotavirus-Associated Dysbiosis and TLR Gene Expression in Neonatal Rats. <i>Cells</i> , 2019, 8, 876.	4.1	21
45	Immunomodulatory and Prebiotic Effects of 2-Fucosyllactose in Suckling Rats. <i>Frontiers in Immunology</i> , 2019, 10, 1773.	4.8	40
46	Ex-Vivo and In-Vivo Assessment of <i>Cyclamen europaeum</i> Extract After Nasal Administration. <i>Pharmaceutics</i> , 2019, 11, 426.	4.5	6
47	Thermoreversible Gel-Loaded Amphotericin B for the Treatment of Dermal and Vaginal Candidiasis. <i>Pharmaceutics</i> , 2019, 11, 312.	4.5	28
48	Leptin and EGF Supplementation Enhance the Immune System Maturation in Preterm Suckling Rats. <i>Nutrients</i> , 2019, 11, 2380.	4.1	10
49	Influence of Leptin and Adiponectin Supplementation on Intraepithelial Lymphocyte and Microbiota Composition in Suckling Rats. <i>Frontiers in Immunology</i> , 2019, 10, 2369.	4.8	19
50	Prevention of Rotavirus Diarrhea in Suckling Rats by a Specific Fermented Milk Concentrate with Prebiotic Mixture. <i>Nutrients</i> , 2019, 11, 189.	4.1	34
51	A Preterm Rat Model for Immunonutritional Studies. <i>Nutrients</i> , 2019, 11, 999.	4.1	14
52	Nanoemulsion strategy of pioglitazone for the treatment of skin inflammatory diseases. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 19, 115-125.	3.3	41
53	Relationship between Cocoa Intake and Healthy Status: A Pilot Study in University Students. <i>Molecules</i> , 2019, 24, 812.	3.8	18
54	Biopharmaceutical Development of a Bifonazole Multiple Emulsion for Enhanced Epidermal Delivery. <i>Pharmaceutics</i> , 2019, 11, 66.	4.5	18

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55	Formulation Strategies to Improve Nose-to-Brain Delivery of Donepezil. <i>Pharmaceutics</i> , 2019, 11, 64.	4.5	55
56	Prebiotics for Gastrointestinal Infections and Acute Diarrhea. , 2019, , 179-191.		3
57	Intestinal Mucosal Mast Cells: Key Modulators of Barrier Function and Homeostasis. <i>Cells</i> , 2019, 8, 135.	4.1	115
58	Chapter 17 Fibre and fibre breakdown products as microbial and immune defence modulators. , 2019, , 297-311.		0
59	Ocular penetration of fluorometholone-loaded PEG-PLGA nanoparticles functionalized with cell-penetrating peptides. <i>Nanomedicine</i> , 2019, 14, 3089-3104.	3.3	41
60	Thiazolidinedione as an alternative to facilitate oral administration in geriatric patients with Alzheimer's disease. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 129, 173-180.	4.0	10
61	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.	2.3	21
62	Development of Pranoprofen Loaded Nanostructured Lipid Carriers to Improve Its Release and Therapeutic Efficacy in Skin Inflammatory Disorders. <i>Nanomaterials</i> , 2018, 8, 1022.	4.1	10
63	Supplementation With $\alpha$ -FL and scGOS/lcFOS Ameliorates Rotavirus-Induced Diarrhea in Suckling Rats. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 372.	3.9	44
64	Skin-controlled release lipid nanosystems of pranoprofen for the treatment of local inflammation and pain. <i>Nanomedicine</i> , 2018, 13, 2397-2413.	3.3	12
65	TGF- $\beta$ 2, EGF, and FGF21 Growth Factors Present in Breast Milk Promote Mesenteric Lymph Node Lymphocytes Maturation in Suckling Rats. <i>Nutrients</i> , 2018, 10, 1171.	4.1	16
66	Human Skin Permeation Studies with PPAR $\gamma$ 3 Agonist to Improve Its Permeability and Efficacy in Inflammatory Processes. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2548.	4.1	20
67	A new food frequency questionnaire to assess chocolate and cocoa consumption. <i>Nutrition</i> , 2016, 32, 811-817.	2.4	2
68	Second International Congress on Chocolate and Cocoa in Medicine Held in Barcelona, Spain, 25 $\text{th}$ –26th September 2015. <i>Nutrients</i> , 2015, 7, 9785-9803.	4.1	6
69	Flavonoids Affect Host-Microbiota Crosstalk through TLR Modulation. <i>Antioxidants</i> , 2014, 3, 649-670.	5.1	39
70	5-Hydroxyeicosatetraenoic acid and leukotriene D4 increase intestinal epithelial paracellular permeability. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1318-1326.	2.8	19
71	Effect of eicosapentaenoic acid-derived prostaglandin E3 on intestinal epithelial barrier function. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2013, 88, 339-345.	2.2	22
72	Role of 12-lipoxygenase derived eicosanoids on epithelial barrier function in intestinal Caco-2 cells. <i>Proceedings of the Nutrition Society</i> , 2013, 72, .	1.0	1

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73	Characterization of the gene cluster involved in allantoin catabolism and its transcriptional regulation by the RpiR-type repressor HpxU in <i>Klebsiella pneumoniae</i> . <i>International Microbiology</i> , 2013, 16, 165-76.	2.4	5
74	Role of $n-6$ PUFA derived lipid mediators on epithelial barrier function in intestinal Caco-2 cell monolayers. <i>Proceedings of the Nutrition Society</i> , 2010, 69, .	1.0	1
75	PGE <sub>2</sub> promotes Ca <sup>2+</sup> -mediated epithelial barrier disruption through EP1 and EP4 receptors in Caco-2 cell monolayers. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C324-C334.	4.6	56
76	Effect of pH on l- and d-methionine uptake across the apical membrane of Caco-2 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C632-C638.	4.6	18
77	Aerobic l-ascorbate metabolism and associated oxidative stress in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 3399-3408.	1.8	27
78	Monocarboxylate Transporter 1 Mediates DL-2-Hydroxy-(4-Methylthio)Butanoic Acid Transport across the Apical Membrane of Caco-2 Cell Monolayers. <i>Journal of Nutrition</i> , 2007, 137, 49-54.	2.9	29
79	Biochemical characterization of the 2-ketoacid reductases encoded by ycdW and yiaE genes in <i>Escherichia coli</i> . <i>Biochemical Journal</i> , 2001, 354, 707-715.	3.7	40
80	A Common Regulator for the Operons Encoding the Enzymes Involved in d -Galactarate, d -Glucarate, and d -Glycerate Utilization in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2000, 182, 2672-2674.	2.2	39
81	Molecular Characterization of <i>Escherichia coli</i> Malate Synthase G. Differentiation with the Malate Synthase A Isoenzyme. <i>FEBS Journal</i> , 1994, 224, 541-548.	0.2	64
82	Aldehyde dehydrogenase induction by glutamate in <i>Escherichia coli</i> . Role of 2-oxoglutarate. <i>FEBS Journal</i> , 1991, 202, 1321-1325.	0.2	14
83	Diastereoselective Enzymatic Aldol Additions: L-Rhamnulose and L-Fuculose 1-Phosphate Aldolases from <i>E. coli</i> . <i>Angewandte Chemie International Edition in English</i> , 1991, 30, 555-558.	4.4	156
84	<i>Staphylococcus epidermidis</i> ™ Overload During Suckling Impacts the Immune Development in Rats. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	2