

# Rafael A Burgos

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,607  
citations

331670

21  
h-index

315739

38  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Andrographolide Interferes with T Cell Activation and Reduces Experimental Autoimmune Encephalomyelitis in the Mouse. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 366-372.	2.5	162
2	Andrographolide interferes with binding of nuclear factor- $\kappa$ B to DNA in HL-60-derived neutrophilic cells. <i>British Journal of Pharmacology</i> , 2005, 144, 680-686.	5.4	147
3	Eimeria bovis-triggered neutrophil extracellular trap formation is CD11b-, ERK 1/2-, p38 MAP kinase- and SOCE-dependent. <i>Veterinary Research</i> , 2015, 46, 23.	3.0	91
4	Andrographolide, an Anti-Inflammatory Multitarget Drug: All Roads Lead to Cellular Metabolism. <i>Molecules</i> , 2021, 26, 5.	3.8	77
5	Participation of Short-Chain Fatty Acids and Their Receptors in Gut Inflammation and Colon Cancer. <i>Frontiers in Physiology</i> , 2021, 12, 662739.	2.8	75
6	Andrographolide Inhibits IFN- $\gamma$ and IL-2 Cytokine Production and Protects Against Cell Apoptosis. <i>Planta Medica</i> , 2005, 71, 429-434.	1.3	66
7	Role of Lactate in Inflammatory Processes: Friend or Foe. <i>Frontiers in Immunology</i> , 2021, 12, 808799.	4.8	61
8	Far beyond Phagocytosis: Phagocyte-Derived Extracellular Traps Act Efficiently against Protozoan Parasites <i>In Vitro</i> and <i>In Vivo</i> . <i>Mediators of Inflammation</i> , 2016, 2016, 1-13.	3.0	60
9	Andrographolide reduces IL-2 production in T-cells by interfering with NFAT and MAPK activation. <i>European Journal of Pharmacology</i> , 2009, 602, 413-421.	3.5	58
10	d( $\alpha$ ) Lactic Acid-Induced Adhesion of Bovine Neutrophils onto Endothelial Cells Is Dependent on Neutrophils Extracellular Traps Formation and CD11b Expression. <i>Frontiers in Immunology</i> , 2017, 8, 975.	4.8	53
11	Long Chain Fatty Acids as Modulators of Immune Cells Function: Contribution of FFA1 and FFA4 Receptors. <i>Frontiers in Physiology</i> , 2021, 12, 668330.	2.8	52
12	Oleic acid induces intracellular calcium mobilization, MAPK phosphorylation, superoxide production and granule release in bovine neutrophils. <i>Biochemical and Biophysical Research Communications</i> , 2011, 409, 280-286.	2.1	49
13	Store-operated calcium entry mediates intracellular alkalinization, ERK1/2, and Akt/PKB phosphorylation in bovine neutrophils. <i>Journal of Leukocyte Biology</i> , 2007, 82, 1266-1277.	3.3	37
14	A double-blind, randomized, placebo-controlled study to assess the efficacy of <i>Andrographis paniculata</i> standardized extract (ParActin <sup>®</sup> ) on pain reduction in subjects with knee osteoarthritis. <i>Phytotherapy Research</i> , 2019, 33, 1469-1479.	5.8	36
15	Oleic and Linoleic Acids Induce the Release of Neutrophil Extracellular Traps via Pannexin 1-Dependent ATP Release and P2X1 Receptor Activation. <i>Frontiers in Veterinary Science</i> , 2020, 7, 260.	2.2	35
16	fMLP-Induced IL-8 Release Is Dependent on NADPH Oxidase in Human Neutrophils. <i>Journal of Immunology Research</i> , 2015, 2015, 1-14.	2.2	34
17	Delphinidin Reduces Glucose Uptake in Mice Jejunal Tissue and Human Intestinal Cells Lines through FFA1/GPR40. <i>International Journal of Molecular Sciences</i> , 2017, 18, 750.	4.1	31
18	Pro-inflammatory mediators and neutrophils are increased in synovial fluid from heifers with acute ruminal acidosis. <i>BMC Veterinary Research</i> , 2019, 15, 225.	1.9	30

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19	Platelet-activating factor increases pH(i) in bovine neutrophils through the PI3K-ERK1/2 pathway. <i>British Journal of Pharmacology</i> , 2004, 141, 311-321.	5.4	27
20	Differential free fatty acid receptor-1 (FFAR1/GPR40) signalling is associated with gene expression or gelatinase granule release in bovine neutrophils. <i>Innate Immunity</i> , 2016, 22, 479-489.	2.4	27
21	Trypanosoma brucei brucei Induces Polymorphonuclear Neutrophil Activation and Neutrophil Extracellular Traps Release. <i>Frontiers in Immunology</i> , 2020, 11, 559561.	4.8	27
22	Cloning, Identification and Functional Characterization of Bovine Free Fatty Acid Receptor-1 (FFAR1/GPR40) in Neutrophils. <i>PLoS ONE</i> , 2015, 10, e0119715.	2.5	26
23	Efficacy of andrographolide in not active progressive multiple sclerosis: a prospective exploratory double-blind, parallel-group, randomized, placebo-controlled trial. <i>BMC Neurology</i> , 2020, 20, 173.	1.8	22
24	Oxidative response of neutrophils to platelet-activating factor is altered during acute ruminal acidosis induced by oligofructose in heifers. <i>Journal of Veterinary Science</i> , 2014, 15, 217.	1.3	21
25	Linoleic acid increases adhesion, chemotaxis, granule release, intracellular calcium mobilisation, MAPK phosphorylation and gene expression in bovine neutrophils. <i>Veterinary Immunology and Immunopathology</i> , 2013, 151, 275-284.	1.2	20
26	14-Deoxyandrographolide as a Platelet Activating Factor Antagonist in Bovine Neutrophils. <i>Planta Medica</i> , 2005, 71, 604-608.	1.3	19
27	Effect of the synthetic Toll-like receptor ligands LPS, Pam3CSK4, HKLM and FSL-1 in the function of bovine polymorphonuclear neutrophils. <i>Developmental and Comparative Immunology</i> , 2015, 52, 215-225.	2.3	19
28	Metabolic disturbances in synovial fluid are involved in the onset of synovitis in heifers with acute ruminal acidosis. <i>Scientific Reports</i> , 2019, 9, 5452.	3.3	19
29	Effect of 14-deoxyandrographolide on calcium-mediated rat uterine smooth muscle contractility. <i>Phytotherapy Research</i> , 2003, 17, 1011-1015.	5.8	16
30	Mitochondria-derived ATP participates in the formation of neutrophil extracellular traps induced by platelet-activating factor through purinergic signaling in cows. <i>Developmental and Comparative Immunology</i> , 2020, 113, 103768.	2.3	16
31	Glycolysis and mitochondrial function regulate the radical oxygen species production induced by platelet-activating factor in bovine polymorphonuclear leukocytes. <i>Veterinary Immunology and Immunopathology</i> , 2020, 226, 110074.	1.2	16
32	Delphinidin Activates NFAT and Induces IL-2 Production Through SOCE in T Cells. <i>Cell Biochemistry and Biophysics</i> , 2014, 68, 497-509.	1.8	15
33	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. I: Protective effect of melatonin and butylhydroxytoluene on sperm function. <i>Research in Veterinary Science</i> , 2021, 136, 143-150.	1.9	15
34	Differential intracellular calcium influx, nitric oxide production, ICAM-1 and IL8 expression in primary bovine endothelial cells exposed to nonesterified fatty acids. <i>BMC Veterinary Research</i> , 2016, 12, 38.	1.9	13
35	D-Lactate Increases Cytokine Production in Bovine Fibroblast-Like Synoviocytes via MCT1 Uptake and the MAPK, PI3K/Akt, and NF- $\kappa$ B Pathways. <i>Animals</i> , 2020, 10, 2105.	2.3	13
36	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. II: Effect of the addition of saccharides to freezing medium on sperm function. <i>Cryobiology</i> , 2020, 97, 5-11.	0.7	13

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37	Andrographis paniculata (Nees) selectively blocks voltage-operated calcium channels in rat vas deferens. Journal of Ethnopharmacology, 2000, 71, 115-121.	4.1	11
38	Determination of specific receptor sites for platelet activating factor in bovine neutrophils. American Journal of Veterinary Research, 2004, 65, 628-636.	0.6	11
39	Docosahexaenoic acid and TUG-891 activate free fatty acid-4 receptor in bovine neutrophils. Veterinary Immunology and Immunopathology, 2019, 209, 53-60.	1.2	11
40	Î²-hydroxybutyrate and hydroxycarboxylic acid receptor 2 agonists activate the AKT, ERK and AMPK pathways, which are involved in bovine neutrophil chemotaxis. Scientific Reports, 2020, 10, 12491.	3.3	11
41	Metabolic Reprogramming and Inflammatory Response Induced by D-Lactate in Bovine Fibroblast-Like Synoviocytes Depends on HIF-1 Activity. Frontiers in Veterinary Science, 2021, 8, 625347.	2.2	11
42	Free Fatty Acid Receptor 1 Signaling Contributes to Migration, MMP-9 Activity, and Expression of IL-8 Induced by Linoleic Acid in HaCaT Cells. Frontiers in Pharmacology, 2020, 11, 595.	3.5	10
43	Piscirickettsia salmonis-Triggered Extracellular Traps Formation as an Innate Immune Response of Atlantic Salmon-Derived Polymorphonuclear Neutrophils. Biology, 2021, 10, 206.	2.8	10
44	Andrographis paniculata(Ness) induces relaxation of uterus by blocking voltage operated calcium channels and inhibits Ca <sup>2+</sup> influx. Phytotherapy Research, 2001, 15, 235-239.	5.8	6
45	Functional expression of the free fatty acids receptor-1 and -4 (FFA1/GPR40 and FFA4/GPR120) in bovine endometrial cells. Veterinary Research Communications, 2019, 43, 179-186.	1.6	5
46	Metabolomics analysis of bronchoalveolar lavage fluid samples in horses with naturally-occurring asthma and experimentally-induced airway inflammation. Research in Veterinary Science, 2020, 133, 276-282.	1.9	5
47	Vincristine, carboplatin and cisplatin increase oxidative burst induced by PAF in canine neutrophils. Veterinary Immunology and Immunopathology, 2020, 221, 110011.	1.2	5
48	d-lactate-triggered extracellular trap formation in cattle polymorphonuclear leucocytes is glucose metabolism dependent. Developmental and Comparative Immunology, 2022, 135, 104492.	2.3	4
49	Decreased cyclooxygenase-2 gene expression and lactoferrin release in blood neutrophils of heifers during the calving period. Veterinary Immunology and Immunopathology, 2014, 160, 139-144.	1.2	3
50	Tamoxifen and its metabolites induce mitochondrial membrane depolarization and caspase-3 activation in equine neutrophils. Veterinary Medicine and Science, 2020, 6, 673-678.	1.6	3
51	An exploratory double-blind, randomized, placebo-controlled study to assess the efficacy of CitruSlim on body composition and lipid parameters in obese individuals. Phytotherapy Research, 2021, 35, 7039.	5.8	2
52	Indirect Measurement of CRAC Channel Activity Using NFAT Nuclear Translocation by Flow Cytometry in Jurkat Cells. Methods in Molecular Biology, 2018, 1843, 83-94.	0.9	1
53	Andrographis paniculata standardized extract (ParActin) and pain. , 2022, , 351-363.		0