

Rafael A Burgos

List of Publications by Year in descending order

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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	Andrographis paniculata standardized extract (ParActin) and pain. , 2022, , 351-363.		0
2	d-lactate-triggered extracellular trap formation in cattle polymorphonuclear leucocytes is glucose metabolism dependent. Developmental and Comparative Immunology, 2022, 135, 104492.	2.3	4
3	Piscirickettsia salmonis-Triggered Extracellular Traps Formation as an Innate Immune Response of Atlantic Salmon-Derived Polymorphonuclear Neutrophils. Biology, 2021, 10, 206.	2.8	10
4	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
5	Participation of Short-Chain Fatty Acids and Their Receptors in Gut Inflammation and Colon Cancer. Frontiers in Physiology, 2021, 12, 662739.	2.8	75
6	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. I: Protective effect of melatonin and butylhydroxytoluene on sperm function. Research in Veterinary Science, 2021, 136, 143-150.	1.9	15
7	Long Chain Fatty Acids as Modulators of Immune Cells Function: Contribution of FFA1 and FFA4 Receptors. Frontiers in Physiology, 2021, 12, 668330.	2.8	52
8	Andrographolide, an Anti-Inflammatory Multitarget Drug: All Roads Lead to Cellular Metabolism. Molecules, 2021, 26, 5.	3.8	77
9	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
10	Role of Lactate in Inflammatory Processes: Friend or Foe. Frontiers in Immunology, 2021, 12, 808799.	4.8	61
11	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
12	Mitochondria-derived ATP participates in the formation of neutrophil extracellular traps induced by platelet-activating factor through purinergic signaling in cows. Developmental and Comparative Immunology, 2020, 113, 103768.	2.3	16
13	Trypanosoma brucei brucei Induces Polymorphonuclear Neutrophil Activation and Neutrophil Extracellular Traps Release. Frontiers in Immunology, 2020, 11, 559561.	4.8	27
14	D-Lactate Increases Cytokine Production in Bovine Fibroblast-Like Synoviocytes via MCT1 Uptake and the MAPK, PI3K/Akt, and NF- κ B Pathways. Animals, 2020, 10, 2105.	2.3	13
15	β -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
16	Oxidative and nitrosative stress in frozen-thawed pig spermatozoa. II: Effect of the addition of saccharides to freezing medium on sperm function. Cryobiology, 2020, 97, 5-11.	0.7	13
17	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
18	Efficacy of andrographolide in not active progressive multiple sclerosis: a prospective exploratory double-blind, parallel-group, randomized, placebo-controlled trial. BMC Neurology, 2020, 20, 173.	1.8	22

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19	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
20	Tamoxifen and its metabolites induce mitochondrial membrane depolarization and caspase-3 activation in equine neutrophils. <i>Veterinary Medicine and Science</i> , 2020, 6, 673-678.	1.6	3
21	Vincristine, carboplatin and cisplatin increase oxidative burst induced by PAF in canine neutrophils. <i>Veterinary Immunology and Immunopathology</i> , 2020, 221, 110011.	1.2	5
22	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
23	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
24	Functional expression of the free fatty acids receptor-1 and -4 (FFA1/GPR40 and FFA4/GPR120) in bovine endometrial cells. <i>Veterinary Research Communications</i> , 2019, 43, 179-186.	1.6	5
25	A double-blind, randomized, placebo-controlled study to assess the efficacy of <i>Andrographis paniculata</i> standardized extract (ParActin®) on pain reduction in subjects with knee osteoarthritis. <i>Phytotherapy Research</i> , 2019, 33, 1469-1479.	5.8	36
26	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
27	Docosahexaenoic acid and TUG-891 activate free fatty acid-4 receptor in bovine neutrophils. <i>Veterinary Immunology and Immunopathology</i> , 2019, 209, 53-60.	1.2	11
28	Indirect Measurement of CRAC Channel Activity Using NFAT Nuclear Translocation by Flow Cytometry in Jurkat Cells. <i>Methods in Molecular Biology</i> , 2018, 1843, 83-94.	0.9	1
29	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
30	d(α ⁺) 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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	Decreased cyclooxygenase-2 gene expression and lactoferrin release in blood neutrophils of heifers during the calving period. <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 139-144.	1.2	3
40	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
41	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
42	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
43	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
44	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
45	Andrographolide interferes with binding of nuclear factor- κ B to DNA in HL-60-derived neutrophilic cells. <i>British Journal of Pharmacology</i> , 2005, 144, 680-686.	5.4	147
46	Andrographolide Inhibits IFN- γ and IL-2 Cytokine Production and Protects Against Cell Apoptosis. <i>Planta Medica</i> , 2005, 71, 429-434.	1.3	66
47	14-Deoxyandrographolide as a Platelet Activating Factor Antagonist in Bovine Neutrophils. <i>Planta Medica</i> , 2005, 71, 604-608.	1.3	19
48	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
49	Determination of specific receptor sites for platelet activating factor in bovine neutrophils. <i>American Journal of Veterinary Research</i> , 2004, 65, 628-636.	0.6	11
50	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
51	Effect of 14-deoxyandrographolide on calcium-mediated rat uterine smooth muscle contractility. <i>Phytotherapy Research</i> , 2003, 17, 1011-1015.	5.8	16
52	Andrographis paniculata(Ness) induces relaxation of uterus by blocking voltage operated calcium channels and inhibits Ca ²⁺ influx. <i>Phytotherapy Research</i> , 2001, 15, 235-239.	5.8	6
53	Andrographis paniculata (Nees) selectively blocks voltage-operated calcium channels in rat vas deferens. <i>Journal of Ethnopharmacology</i> , 2000, 71, 115-121.	4.1	11