

# Josã© Carlos Alves Filho

## List of Publications by Year in descending order

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106  
papers

6,101  
citations

109137

35  
h-index

82410

72  
g-index

108  
all docs

108  
docs citations

108  
times ranked

10033  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2â€ triggered neutrophil extracellular traps mediate COVID-19 pathology. Journal of Experimental Medicine, 2020, 217, .	4.2	675
2	Inflammasomes are activated in response to SARS-CoV-2 infection and are associated with COVID-19 severity in patients. Journal of Experimental Medicine, 2021, 218, .	4.2	583
3	Paclitaxel Reduces Tumor Growth by Reprogramming Tumor-Associated Macrophages to an M1 Profile in a TLR4-Dependent Manner. Cancer Research, 2018, 78, 5891-5900.	0.4	283
4	Neutrophil Extracellular Traps Induce Organ Damage during Experimental and Clinical Sepsis. PLoS ONE, 2016, 11, e0148142.	1.1	282
5	Regulation of chemokine receptor by Toll-like receptor 2 is critical to neutrophil migration and resistance to polymicrobial sepsis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4018-4023.	3.3	278
6	IL-33 induces neutrophil migration in rheumatoid arthritis and is a target of anti-TNF therapy. Annals of the Rheumatic Diseases, 2010, 69, 1697-1703.	0.5	228
7	NEUTROPHIL PARALYSIS IN SEPSIS. Shock, 2010, 34, 15-21.	1.0	195
8	Paradoxical Roles of the Neutrophil in Sepsis: Protective and Deleterious. Frontiers in Immunology, 2016, 7, 155.	2.2	162
9	Impaired neutrophil chemotaxis in sepsis associates with GRK expression and inhibition of actin assembly and tyrosine phosphorylation. Blood, 2006, 108, 2906-2913.	0.6	139
10	Low expression of CD39 on regulatory T cells as a biomarker for resistance to methotrexate therapy in rheumatoid arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2509-2514.	3.3	125
11	Spinal cord oligodendrocyteâ€ derived alarmin ILâ€33 mediates neuropathic pain. FASEB Journal, 2016, 30, 54-65.	0.2	121
12	PKM2 promotes Th17 cell differentiation and autoimmune inflammation by fine-tuning STAT3 activation. Journal of Experimental Medicine, 2020, 217, .	4.2	119
13	Gasdermin D inhibition prevents multiple organ dysfunction during sepsis by blocking NET formation. Blood, 2021, 138, 2702-2713.	0.6	107
14	The citrus flavonone naringenin reduces lipopolysaccharide-induced inflammatory pain and leukocyte recruitment by inhibiting NF-ÎB activation. Journal of Nutritional Biochemistry, 2016, 33, 8-14.	1.9	97
15	The role of neutrophils in neuro-immune modulation. Pharmacological Research, 2020, 151, 104580.	3.1	94
16	NLRP3 Inflammasome Mediates Aldosterone-Induced Vascular Damage. Circulation, 2016, 134, 1866-1880.	1.6	87
17	Lipopolysaccharide Induces Inflammatory Hyperalgesia Triggering a TLR4/MyD88-Dependent Cytokine Cascade in the Mice Paw. PLoS ONE, 2014, 9, e90013.	1.1	86
18	Inhalation of the prodrug PI3K inhibitor CL27c improves lung function in asthma and fibrosis. Nature Communications, 2018, 9, 5232.	5.8	86

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19	Targeting nitric oxide as a key modulator of sepsis, arthritis and pain. Nitric Oxide - Biology and Chemistry, 2019, 89, 32-40.	1.2	84
20	Hydrogen Sulfide Augments Neutrophil Migration through Enhancement of Adhesion Molecule Expression and Prevention of CXCR2 Internalization: Role of ATP-Sensitive Potassium Channels. Journal of Immunology, 2008, 181, 4287-4298.	0.4	82
21	IL-33/ST2 signalling contributes to carrageenin-induced innate inflammation and inflammatory pain: role of cytokines, endothelin-1 and prostaglandin E <sub>2</sub> . British Journal of Pharmacology, 2013, 169, 90-101.	2.7	81
22	CCR2 Expression in Neutrophils Plays a Critical Role in Their Migration Into the Joints in Rheumatoid Arthritis. Arthritis and Rheumatology, 2015, 67, 1751-1759.	2.9	73
23	Vinpocetine reduces lipopolysaccharide-induced inflammatory pain and neutrophil recruitment in mice by targeting oxidative stress, cytokines and NF- $\kappa$ B. Chemico-Biological Interactions, 2015, 237, 9-17.	1.7	70
24	Curcumin inhibits superoxide anion-induced pain-like behavior and leukocyte recruitment by increasing Nrf2 expression and reducing NF- $\kappa$ B activation. Inflammation Research, 2015, 64, 993-1003.	1.6	66
25	PPAR- $\gamma$ /IL-10 Axis Inhibits MyD88 Expression and Ameliorates Murine Polymicrobial Sepsis. Journal of Immunology, 2014, 192, 2357-2365.	0.4	64
26	Therapeutic potential and limitations of cholinergic anti-inflammatory pathway in sepsis. Pharmacological Research, 2017, 117, 1-8.	3.1	56
27	Failure of neutrophil migration toward infectious focus in severe sepsis: a critical event for the outcome of this syndrome. Memorias Do Instituto Oswaldo Cruz, 2005, 100, 223-226.	0.8	53
28	Succinate receptor deficiency attenuates arthritis by reducing dendritic cell traffic and expansion of T <sub>H</sub> 17 cells in the lymph nodes. FASEB Journal, 2018, 32, 6550-6558.	0.2	53
29	NLRP3 Inflammasome and Mineralocorticoid Receptors Are Associated with Vascular Dysfunction in Type 2 Diabetes Mellitus. Cells, 2019, 8, 1595.	1.8	51
30	Crucial Role of TNF Receptors 1 and 2 in the Control of Polymicrobial Sepsis. Journal of Immunology, 2009, 182, 7855-7864.	0.4	48
31	Therapeutic Effects of Treatment with Anti-TLR2 and Anti-TLR4 Monoclonal Antibodies in Polymicrobial Sepsis. PLoS ONE, 2015, 10, e0132336.	1.1	48
32	Neuroimmune-Glia Interactions in the Sensory Ganglia Account for the Development of Acute Herpetic Neuralgia. Journal of Neuroscience, 2017, 37, 6408-6422.	1.7	45
33	STING regulates metabolic reprogramming in macrophages via HIF-1 $\alpha$ during Brucella infection. PLoS Pathogens, 2021, 17, e1009597.	2.1	45
34	Diosmin reduces chronic constriction injury-induced neuropathic pain in mice. Chemico-Biological Interactions, 2017, 273, 180-189.	1.7	42
35	Joint production of IL-22 participates in the initial phase of antigen-induced arthritis through IL-1 $\beta$ production. Arthritis Research and Therapy, 2015, 17, 235.	1.6	41
36	TGF- $\beta$ 2 signalling defect is linked to low CD39 expression on regulatory T cells and methotrexate resistance in rheumatoid arthritis. Journal of Autoimmunity, 2018, 90, 49-58.	3.0	39

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37	Hesperidin Methylchalcone Suppresses Experimental Gout Arthritis in Mice by Inhibiting NF- $\kappa$ B Activation. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6269-6280.	2.4	39
38	Cigarette smoke induces miR-132 in Th17 cells that enhance osteoclastogenesis in inflammatory arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	39
39	Trans-Chalcone Attenuates Pain and Inflammation in Experimental Acute Gout Arthritis in Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 1123.	1.6	38
40	Regulatory T cells counteract neuropathic pain through inhibition of the Th1 response at the site of peripheral nerve injury. <i>Pain</i> , 2020, 161, 1730-1743.	2.0	38
41	Sepsis expands a CD39+ plasmablast population that promotes immunosuppression via adenosine-mediated inhibition of macrophage antimicrobial activity. <i>Immunity</i> , 2021, 54, 2024-2041.e8.	6.6	38
42	SOCS1 is a negative regulator of metabolic reprogramming during sepsis. <i>JCI Insight</i> , 2017, 2, .	2.3	36
43	Superoxide anion-induced pain and inflammation depends on TNF $\alpha$ /TNFR1 signaling in mice. <i>Neuroscience Letters</i> , 2015, 605, 53-58.	1.0	35
44	Apocynin and Nox2 regulate NF- $\kappa$ B by modifying thioredoxin-1 redox-state. <i>Scientific Reports</i> , 2016, 6, 34581.	1.6	33
45	Pericytes modulate myelination in the central nervous system. <i>Journal of Cellular Physiology</i> , 2018, 233, 5523-5529.	2.0	33
46	DMH-CBD, a cannabidiol analog with reduced cytotoxicity, inhibits TNF production by targeting NF- $\kappa$ B activity dependent on A2A receptor. <i>Toxicology and Applied Pharmacology</i> , 2019, 368, 63-71.	1.3	33
47	Acute Increase in O-GlcNAc Improves Survival in Mice With LPS-Induced Systemic Inflammatory Response Syndrome. <i>Frontiers in Physiology</i> , 2019, 10, 1614.	1.3	33
48	The nitroxyl donor, Angeli's salt, reduces chronic constriction injury-induced neuropathic pain. <i>Chemico-Biological Interactions</i> , 2016, 256, 1-8.	1.7	31
49	The NOD2 signaling in peripheral macrophages contributes to neuropathic pain development. <i>Pain</i> , 2019, 160, 102-116.	2.0	31
50	Toll-like receptor 9 activation in neutrophils impairs chemotaxis and reduces sepsis outcome*. <i>Critical Care Medicine</i> , 2012, 40, 2631-2637.	0.4	30
51	Targeting neutrophils in sepsis. <i>Expert Review of Clinical Immunology</i> , 2014, 10, 1019-1028.	1.3	30
52	Interleukin-10 limits intense acute swimming-induced muscle mechanical hyperalgesia in mice. <i>Experimental Physiology</i> , 2015, 100, 531-544.	0.9	29
53	Cinnamoyloxy-mammeisin Isolated from <i>Geopropolis</i> Attenuates Inflammatory Process by Inhibiting Cytokine Production: Involvement of MAPK, AP-1, and NF- $\kappa$ B. <i>Journal of Natural Products</i> , 2016, 79, 1828-1833.	1.5	28
54	CCR4 Controls the Suppressive Effects of Regulatory T Cells on Early and Late Events during Severe Sepsis. <i>PLoS ONE</i> , 2015, 10, e0133227.	1.1	27

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55	Pyrrolidine dithiocarbamate inhibits superoxide anion-induced pain and inflammation in the paw skin and spinal cord by targeting NF- $\kappa$ B and oxidative stress. <i>Inflammopharmacology</i> , 2016, 24, 97-107.	1.9	27
56	Purinergic Cooperation Between P2Y2 and P2X7 Receptors Promote Cutaneous Leishmaniasis Control: Involvement of Pannexin-1 and Leukotrienes. <i>Frontiers in Immunology</i> , 2018, 9, 1531.	2.2	26
57	Fructose-1,6-bisphosphate reduces inflammatory pain-like behaviour in mice: role of adenosine acting on A <sub>1</sub> receptors. <i>British Journal of Pharmacology</i> , 2009, 158, 558-568.	2.7	24
58	Budlein A, a Sesquiterpene Lactone From <i>Viguiera robusta</i> , Alleviates Pain and Inflammation in a Model of Acute Gout Arthritis in Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 1076.	1.6	24
59	DF2755A, a novel non-competitive allosteric inhibitor of CXCR1/2, reduces inflammatory and post-operative pain. <i>Pharmacological Research</i> , 2016, 103, 69-79.	3.1	23
60	MEK5/ERK5 signaling mediates IL-4-induced M2 macrophage differentiation through regulation of c-Myc expression. <i>Journal of Leukocyte Biology</i> , 2020, 108, 1215-1223.	1.5	23
61	Neutrophil extracellular traps mediate joint hyperalgesia induced by immune inflammation. <i>Rheumatology</i> , 2021, 60, 3461-3473.	0.9	23
62	Bosentan, a mixed endothelin receptor antagonist, inhibits superoxide anion-induced pain and inflammation in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 1211-1221.	1.4	22
63	IL-33 signaling is essential to attenuate viral-induced encephalitis development by downregulating iNOS expression in the central nervous system. <i>Journal of Neuroinflammation</i> , 2016, 13, 159.	3.1	22
64	Lapachol, a compound targeting pyrimidine metabolism, ameliorates experimental autoimmune arthritis. <i>Arthritis Research and Therapy</i> , 2017, 19, 47.	1.6	22
65	IL-33 enhances macrophage release of IL-1 $\beta$ and promotes pain and inflammation in gouty arthritis. <i>Inflammation Research</i> , 2020, 69, 1271-1282.	1.6	22
66	Nitroxyl inhibits overt pain-like behavior in mice: Role of cGMP/PKG/ATP-sensitive potassium channel signaling pathway. <i>Pharmacological Reports</i> , 2014, 66, 691-698.	1.5	21
67	Naringenin mitigates titanium dioxide (TiO <sub>2</sub> )-induced chronic arthritis in mice: role of oxidative stress, cytokines, and NF- $\kappa$ B. <i>Inflammation Research</i> , 2018, 67, 997-1012.	1.6	21
68	The citrus flavanone naringenin reduces gout-induced joint pain and inflammation in mice by inhibiting the activation of NF- $\kappa$ B and macrophage release of IL-1 $\beta$ . <i>Journal of Functional Foods</i> , 2018, 48, 106-116.	1.6	21
69	PI3K Signaling in Mechanisms and Treatments of Pulmonary Fibrosis Following Sepsis and Acute Lung Injury. <i>Biomedicines</i> , 2022, 10, 756.	1.4	21
70	IL-33 signalling in liver immune cells enhances drug-induced liver injury and inflammation. <i>Inflammation Research</i> , 2018, 67, 77-88.	1.6	20
71	TGF $\beta$ 1 signaling sustains aryl hydrocarbon receptor (AHR) expression and restrains the pathogenic potential of TH17 cells by an AHR-independent mechanism. <i>Cell Death and Disease</i> , 2018, 9, 1130.	2.7	19
72	IL-1 $\beta$ promotes liver inflammation and necrosis during blood-stage <i>Plasmodium chabaudi</i> malaria. <i>Scientific Reports</i> , 2019, 9, 7575.	1.6	19

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73	Interleukin-33 Receptor (ST2) Deficiency Improves the Outcome of Staphylococcus aureus-Induced Septic Arthritis. <i>Frontiers in Immunology</i> , 2018, 9, 962.	2.2	17
74	Differential regulation of oxidative stress and cytokine production by endothelin ETA and ETB receptors in superoxide anion-induced inflammation and pain in mice. <i>Journal of Drug Targeting</i> , 2017, 25, 264-274.	2.1	13
75	Frontline Science: Blood-circulating leukocytes fail to infiltrate the spinal cord parenchyma after spared nerve injury. <i>Journal of Leukocyte Biology</i> , 2019, 106, 541-551.	1.5	13
76	S100A9 plays a pivotal role in a mouse model of herpetic neuralgia via TLR4/TNF pathway. <i>Brain, Behavior, and Immunity</i> , 2020, 88, 353-362.	2.0	13
77	Nuclear PTEN enhances the maturation of a microRNA regulon to limit MyD88-dependent susceptibility to sepsis. <i>Science Signaling</i> , 2018, 11, .	1.6	13
78	Galectin-3 aggravates experimental polymicrobial sepsis by impairing neutrophil recruitment to the infectious focus. <i>Journal of Infection</i> , 2018, 77, 391-397.	1.7	12
79	CCR5-Positive Inflammatory Monocytes are Crucial for Control of Sepsis. <i>Shock</i> , 2019, 52, e100-e106.	1.0	12
80	NLRP12 controls arthritis severity by acting as a checkpoint inhibitor of Th17 cell differentiation. <i>FASEB Journal</i> , 2020, 34, 10907-10919.	0.2	12
81	Macrophage-Derived MicroRNA-21 Drives Overwhelming Glycolytic and Inflammatory Response during Sepsis via Repression of the PGE2/IL-10 Axis. <i>Journal of Immunology</i> , 2021, 207, 902-912.	0.4	12
82	CCR4-dependent reduction in the number and suppressor function of CD4 <sup>+</sup> Foxp3 <sup>+</sup> cells augments IFN- $\gamma$ -mediated pulmonary inflammation and aggravates tuberculosis pathogenesis. <i>Cell Death and Disease</i> , 2019, 10, 11.	2.7	11
83	Liver X Receptor Activation Impairs Neutrophil Functions and Aggravates Sepsis. <i>Journal of Infectious Diseases</i> , 2020, 221, 1542-1553.	1.9	11
84	MMP-9 Mediates Cross-Talk between Neutrophils and Endothelial Cells in Psoriasis. <i>Journal of Investigative Dermatology</i> , 2021, 141, 716-718.	0.3	11
85	Interleukin-10 rs1800896 and CXCR2 rs1126579 polymorphisms modulate the predisposition to septic shock. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2015, 110, 453-460.	0.8	9
86	Mechanisms underlying the hyperalgesic responses triggered by joint activation of TLR4. <i>Pharmacological Reports</i> , 2016, 68, 1293-1300.	1.5	9
87	ILC2s and Basophils Team Up to Orchestrate IL-33-Induced Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2019, 139, 2077-2079.	0.3	9
88	Cardiovascular and Autonomic Dysfunction in Murine Ligature-Induced Periodontitis. <i>Scientific Reports</i> , 2020, 10, 6891.	1.6	9
89	Mechanisms affecting neutrophil migration capacity in breast cancer patients before and after chemotherapy. <i>Cancer Chemotherapy and Pharmacology</i> , 2014, 73, 317-324.	1.1	8
90	CCR2-deficient mice are protected to sepsis by the disruption of the inflammatory monocytes emigration from the bone marrow. <i>Journal of Leukocyte Biology</i> , 2021, 109, 1063-1070.	1.5	8

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91	CCR2 Plays a Protective Role in Rocio Virus-Induced Encephalitis by Promoting Macrophage Infiltration Into the Brain. <i>Journal of Infectious Diseases</i> , 2019, 219, 2015-2025.	1.9	8
92	Probucol attenuates overt pain-like behavior and carrageenan-induced inflammatory hyperalgesia and leukocyte recruitment by inhibiting NF- $\kappa$ B activation and cytokine production without antioxidant effects. <i>Inflammation Research</i> , 2017, 66, 591-602.	1.6	7
93	Inhibition of Tryptophan Catabolism Is Associated With Neuroprotection During Zika Virus Infection. <i>Frontiers in Immunology</i> , 2021, 12, 702048.	2.2	6
94	The PI3K $\beta$ /AKT signaling pathway mediates peripheral antinociceptive action of dipyrone. <i>Fundamental and Clinical Pharmacology</i> , 2021, 35, 364-370.	1.0	6
95	Paradoxical interaction between cancer and long-term postsepsis disorder: impairment of de novo carcinogenesis versus favoring the growth of established tumors. , 2020, 8, e000129.		5
96	Pitavastatin ameliorates autoimmune neuroinflammation by regulating the Treg/Th17 cell balance through inhibition of mevalonate metabolism. <i>International Immunopharmacology</i> , 2021, 91, 107278.	1.7	4
97	Endothelial Nox2 Limits Systemic Inflammation and Hypotension in Endotoxemia by Controlling Expression of Toll-Like Receptor 4. <i>Shock</i> , 2021, 56, 268-277.	1.0	4
98	Blockage of Eosinopoiesis by IL-17A Is Prevented by Cytokine and Lipid Mediators of Allergic Inflammation. <i>Mediators of Inflammation</i> , 2015, 2015, 1-11.	1.4	3
99	The Role of ST2 Receptor in the Regulation of <i>Brucella abortus</i> Oral Infection. <i>Pathogens</i> , 2020, 9, 328.	1.2	3
100	Downregulation of IL-2 and IL-23 in Cervical Biopsies of Cervical Intraepithelial Lesions: A Cross-Sectional Study. <i>Acta Cytologica</i> , 2020, 64, 442-451.	0.7	3
101	Kallikrein 5 Inhibition by the Lympho-Epithelial Kazal-Type Related Inhibitor Hinders Matriptase-Dependent Carcinogenesis. <i>Cancers</i> , 2021, 13, 4395.	1.7	3
102	The host control of a clinical isolate strain of <i>P. aeruginosa</i> infection is independent of Nod-1 but depends on MyD88. <i>Inflammation Research</i> , 2018, 67, 435-443.	1.6	2
103	Citrullinated human fibrinogen triggers arthritis through an inflammatory response mediated by IL-23/IL-17 immune axis. <i>International Immunopharmacology</i> , 2021, 101, 108363.	1.7	2
104	Blockade of protease-activated receptor 2 attenuates allergen-mediated acute lung inflammation and leukocyte recruitment in mice. <i>Journal of Biosciences</i> , 2022, 47, 1.	0.5	2
105	Dystrophin expression in myocardium in mice submitted to a murine model of sepsis (648.1). <i>FASEB Journal</i> , 2014, 28, .	0.2	0
106	Abstract 770: Negative regulation of the CCL22/CCR4 axis by TNFR1 improves melanoma outcome. , 2016, , .		0