Carla M. Prado

List of Publications by Year
in descending order

85	2,316	186265	254184
papers	citations	28 h-index	43 g-index

88	88	88	2946
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure-Activity Association of Flavonoids in Lung Diseases. Molecules, 2014, 19, 3570-3595.	3.8	137
2	Eosinophilic Inflammation in Allergic Asthma. Frontiers in Pharmacology, 2013, 4, 46.	3.5	136
3	Effects of Nitric Oxide Synthases in Chronic Allergic Airway Inflammation and Remodeling. American Journal of Respiratory Cell and Molecular Biology, 2006, 35, 457-465.	2.9	106
4	Extracellular Matrix Component Remodeling in Respiratory Diseases: What Has Been Found in Clinical and Experimental Studies?. Cells, 2019, 8, 342.	4.1	95
5	Nitric Oxide in Asthma Physiopathology. ISRN Allergy, 2011, 2011, 1-13.	3.1	81
6	Acute lung injury is reduced by the Î±7nAChR agonist PNUâ€282987 through changes in the macrophage profile. FASEB Journal, 2017, 31, 320-332.	0.5	78
7	Effects of Anti-IL-17 on Inflammation, Remodeling, and Oxidative Stress in an Experimental Model of Asthma Exacerbated by LPS. Frontiers in Immunology, 2017, 8, 1835.	4.8	76
8	Flavonone treatment reverses airway inflammation and remodelling in an asthma murine model. British Journal of Pharmacology, 2013, 168, 1736-1749.	5.4	75
9	Rho-kinase inhibition attenuates airway responsiveness, inflammation, matrix remodeling, and oxidative stress activation induced by chronic inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L939-L952.	2.9	65
10	17Î²-Estradiol, a potential ally to alleviate SARS-CoV-2 infection. Clinics, 2020, 75, e1980.	1.5	64
11	Evidences of Herbal Medicine-Derived Natural Products Effects in Inflammatory Lung Diseases. Mediators of Inflammation, 2016, 2016, 1-14.	3.0	59
12	Comparison of early and late responses to antigen of sensitized guinea pig parenchymal lung strips. Journal of Applied Physiology, 2006, 100, 1610-1616.	2.5	57
13	Effects of acute and chronic nitric oxide inhibition in an experimental model of chronic pulmonary allergic inflammation in guinea pigs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L677-L683.	2.9	51
14	Comparison of glucocorticoid and cysteinyl leukotriene receptor antagonist treatments in an experimental model of chronic airway inflammation in guineaâ€pigs. Clinical and Experimental Allergy, 2004, 34, 145-152.	2.9	47
15	Structurally Related Monoterpenes p-Cymene, Carvacrol and Thymol Isolated from Essential Oil from Leaves of Lippia sidoides Cham. (Verbenaceae) Protect Mice against Elastase-Induced Emphysema. Molecules, 2016, 21, 1390.	3.8	44
16	17Î²â€estradiol reduces SARSâ€CoVâ€2 infection in vitro. Physiological Reports, 2021, 9, e14707.	1.7	42
17	Neurokinins and inflammatory cell iNOS expression in guinea pigs with chronic allergic airway inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 288, L741-L748.	2.9	41
18	Effects of chronic <scp>l</scp>-NAME treatment lung tissue mechanics, eosinophilic and extracellular matrix responses induced by chronic pulmonary inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L1197-L1205.	2.9	40

#	Article	IF	Citations
19	Protective Effects of Anti-IL17 on Acute Lung Injury Induced by LPS in Mice. Frontiers in Pharmacology, 2018, 9, 1021.	3.5	40
20	SARSâ€CoVâ€2 and the possible connection to ERs, ACE2, and RAGE: Focus on susceptibility factors. FASEB Journal, 2020, 34, 14103-14119.	0.5	39
21	Prophylactic and therapeutic treatment with the flavonone sakuranetin ameliorates LPS-induced acute lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L217-L230.	2.9	38
22	Effects of Rho-kinase inhibition in lung tissue with chronic inflammation. Respiratory Physiology and Neurobiology, 2014, 192, 134-146.	1.6	37
23	Effect of Anti-IL17 Antibody Treatment Alone and in Combination With Rho-Kinase Inhibitor in a Murine Model of Asthma. Frontiers in Physiology, 2018, 9, 1183.	2.8	34
24	Y-27632 is associated with corticosteroid-potentiated control of pulmonary remodeling and inflammation in guinea pigs with chronic allergic inflammation. BMC Pulmonary Medicine, 2015, 15, 85.	2.0	33
25	A flavanone from Baccharis retusa (Asteraceae) prevents elastase-induced emphysema in mice by regulating NF-Î²B, oxidative stress and metalloproteinases. Respiratory Research, 2015, 16, 79.	3.6	32
26	Pulmonary Inflammation Is Regulated by the Levels of the Vesicular Acetylcholine Transporter. PLoS ONE, 2015, 10, e0120441.	2.5	32
27	Effects of inducible nitric oxide synthase inhibition in bronchial vascular remodeling induced by chronic allergic pulmonary inflammation. Experimental Lung Research, 2011, 37, 259-268.	1.2	30
28	Respiratory mechanics do not always mirror pulmonary histological changes in emphysema. Clinics, 2011, 66, 1797-803.	1.5	30
29	The Role of Acetylcholine in the Inflammatory Response in Animals Surviving Sepsis Induced by Cecal Ligation and Puncture. Molecular Neurobiology, 2016, 53, 6635-6643.	4.0	29
30	Inducible nitric oxide synthase inhibition attenuates lung tissue responsiveness and remodeling in a model of chronic pulmonary inflammation in guinea pigs. Respiratory Physiology and Neurobiology, 2009, 165, 185-194.	1.6	28
31	A Treatment with a Protease Inhibitor Recombinant from the Cattle Tick (Rhipicephalus Boophilus) Tj ETQq1 1 0.784314 rgBT /Overlo	2.5	26
32	A comparative study of extracellular matrix remodeling in two murine models of emphysema. Histology and Histopathology, 2013, 28, 269-76.	0.7	26
33	Oral tolerance attenuates changes in in vitro lung tissue mechanics and extracellular matrix remodeling induced by chronic allergic inflammation in guinea pigs. Journal of Applied Physiology, 2008, 104, 1778-1785.	2.5	23
34	Sakuranetin reverses vascular peribronchial and lung parenchyma remodeling in a murine model of chronic allergic pulmonary inflammation. Acta Histochemica, 2016, 118, 615-624.	1.8	23
35	Inhibition of MAPK and STAT3-SOCS3 by Sakuranetin Attenuated Chronic Allergic Airway Inflammation in Mice. Mediators of Inflammation, 2019, 2019, 1-14.	3.0	23
36	New perspectives on natural flavonoids on <scp>COVID</scp>â€19â€induced lung injuries. Phytotherapy Research, 2021, 35, 4988-5006.	5.8	23

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37	Increased Airway Reactivity and Hyperinsulinemia in Obese Mice Are Linked by ERK Signaling in Brain Stem Cholinergic Neurons. Cell Reports, 2015, 11, 934-943.	6.4	22
38	A Plant Proteinase Inhibitor from Enterolobium contortisiliquum Attenuates Pulmonary Mechanics, Inflammation and Remodeling Induced by Elastase in Mice. International Journal of Molecular Sciences, 2017, 18, 403.	4.1	21
39	Modulation of the oscillatory mechanics of lung tissue and the oxidative stress response induced by arginase inhibition in a chronic allergic inflammation model. BMC Pulmonary Medicine, 2013, 13, 52.	2.0	20
40	Th17/Treg imbalance in COPD development: suppressors of cytokine signaling and signal transducers and activators of transcription proteins. Scientific Reports, 2020, 10, 15287.	3.3	20
41	Dehydrodieugenol improved lung inflammation in an asthma model by inhibiting the STAT3/SOCS3 and MAPK pathways. Biochemical Pharmacology, 2020, 180, 114175.	4.4	19
42	Effects of corticosteroid, montelukast and iNOS inhibition on distal lung with chronic inflammation. Respiratory Physiology and Neurobiology, 2013, 185, 435-445.	1.6	18
43	The Plant-DerivedBauhinia bauhinioidesKallikrein Proteinase Inhibitor (rBbKI) Attenuates Elastase-Induced Emphysema in Mice. Mediators of Inflammation, 2016, 2016, 1-12.	3.0	18
44	Oral tolerance attenuates airway inflammation and remodeling in a model of chronic pulmonary allergic inflammation. Respiratory Physiology and Neurobiology, 2009, 165, 13-21.	1.6	16
45	Galloyl-Hexahydroxydiphenoyl (HHDP)-Glucose Isolated From Punica granatum L. Leaves Protects Against Lipopolysaccharide (LPS)-Induced Acute Lung Injury in BALB/c Mice. Frontiers in Immunology, 2019, 10, 1978.	4.8	16
46	iNOS Inhibition Reduces Lung Mechanical Alterations and Remodeling Induced by Particulate Matter in Mice. Pulmonary Medicine, 2019, 2019, 1-12.	1.9	16
47	The Plant Proteinase InhibitorCrataBLPlays a Role in Controlling Asthma Response in Mice. BioMed Research International, 2018, 2018, 1-15.	1.9	15
48	Bronchial Vascular Remodeling Is Attenuated by Anti-IL-17 in Asthmatic Responses Exacerbated by LPS. Frontiers in Pharmacology, 2020, 11, 1269.	3.5	15
49	Inducible Nitric Oxide Synthase Inhibition Attenuates Physical Stress-Induced Lung Hyper-Responsiveness and Oxidative Stress in Animals with Lung Inflammation. NeuroImmunoModulation, 2012, 19, 158-170.	1.8	14
50	Vesicular acetylcholine transport deficiency potentiates some inflammatory responses induced by diesel exhaust particles. Ecotoxicology and Environmental Safety, 2019, 167, 494-504.	6.0	14
51	Cytochrome P450 genotypes are not associated with refractoriness to antipsychotic treatment. Schizophrenia Research, 2015, 168, 587-588.	2.0	13
52	Low level laser therapy reduces acute lung inflammation without impairing lung function. Journal of Biophotonics, 2016, 9, 1199-1207.	2.3	13
53	Plant Proteinase Inhibitor BbCI Modulates Lung Inflammatory Responses and Mechanic and Remodeling Alterations Induced by Elastase in Mice. BioMed Research International, 2017, 2017, 1-13.	1.9	13
54	Chronic exposure to diesel particles worsened emphysema and increased M2-like phenotype macrophages in a PPE-induced model. PLoS ONE, 2020, 15, e0228393.	2.5	13

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55	Effects of Stress and Neuropeptides on Airway Responses in Ovalbumin-Sensitized Rats. NeuroImmunoModulation, 2007, 14, 105-111.	1.8	12
56	Repeated stress reduces mucociliary clearance in animals with chronic allergic airway inflammation. Respiratory Physiology and Neurobiology, 2010, 173, 79-85.	1.6	12
57	Microenvironmental stimuli induce different macrophage polarizations in experimental models of emphysema. Biology Open, 2019, 8, .	1.2	12
58	Effects of VAChT reduction and Î±7nAChR stimulation by PNU-282987 in lung inflammation in a model of chronic allergic airway inflammation. European Journal of Pharmacology, 2020, 882, 173239.	3.5	12
59	Stress amplifies lung tissue mechanics, inflammation and oxidative stress induced by chronic inflammation. Experimental Lung Research, 2012, 38, 344-354.	1.2	11
60	Effects of Eugenol and Dehydrodieugenol B from Nectandra leucantha against Lipopolysaccharide (LPS)-Induced Experimental Acute Lung Inflammation. Journal of Natural Products, 2021, 84, 2282-2294.	3.0	11
61	Capsaicin-sensitive nerves and neurokinins modulate non-neuronal nNOS expression in lung. Respiratory Physiology and Neurobiology, 2008, 160, 37-44.	1.6	9
62	Petiveria alliacea, a plant used in Afro-Brazilian smoke rituals, triggers pulmonary inflammation in rats. Revista Brasileira De Farmacognosia, 2019, 29, 656-664.	1.4	8
63	Different Phenotypes in Asthma: Clinical Findings and Experimental Animal Models. Clinical Reviews in Allergy and Immunology, 2022, 62, 240-263.	6.5	8
64	The effects of exercise training on the lungs and cardiovascular function of animals exposed to diesel exhaust particles and gases. Environmental Research, 2022, 203, 111768.	7.5	8
65	Preventive and therapeutic effect of anti-IL-17 in an experimental model of elastase-induced lung injury in C57Bl6 mice. American Journal of Physiology - Cell Physiology, 2021, 320, C341-C354.	4.6	7
66	A plant proteinase inhibitor from Enterolobium contortisiliquum attenuates airway hyperresponsiveness, inflammation and remodeling in a mouse model of asthma. Histology and Histopathology, 2019, 34, 537-552.	0.7	7
67	Reduced expression of VAChT increases renal fibrosis. Pathophysiology, 2016, 23, 229-236.	2.2	6
68	Acute Lung Injury in Cholinergic-Deficient Mice Supports Anti-Inflammatory Role of Î±7 Nicotinic Acetylcholine Receptor. International Journal of Molecular Sciences, 2021, 22, 7552.	4.1	6
69	Inactivation of capsaicin-sensitive nerves reduces pulmonary remodeling in guinea pigs with chronic allergic pulmonary inflammation. Brazilian Journal of Medical and Biological Research, 2011, 44, 130-139.	1.5	5
70	Effects of Repeated Stress on Distal Airway Inflammation, Remodeling and Mechanics in an Animal Model of Chronic Airway Inflammation. NeuroImmunoModulation, 2012, 19, 1-9.	1.8	5
71	A plant proteinase inhibitor from Crataeva tapia (CrataBL) attenuates elastase-induced pulmonary inflammatory, remodeling, and mechanical alterations in mice. Process Biochemistry, 2015, 50, 1958-1965.	3.7	5
72	Sleep Deprivation Interferes with JAK/STAT Signaling Pathway and Myogenesis in the Masseter Muscle of Rats. Medical Principles and Practice, 2021, 30, 253-261.	2.4	5

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73	Effect of anti-IL17 and/or Rho-kinase inhibitor treatments on vascular remodeling induced by chronic allergic pulmonary inflammation. Therapeutic Advances in Respiratory Disease, 2020, 14, 175346662096266.	2.6	5
74	Effects of pneumonectomy on nitric oxide synthase expression and perivascular edema in the remaining lung of rats. Brazilian Journal of Medical and Biological Research, 2009, 42, 1113-1118.	1.5	4
75	Antileukotriene Reverts the Early Effects of Inflammatory Response of Distal Parenchyma in Experimental Chronic Allergic Inflammation. BioMed Research International, 2013, 2013, 1-15.	1.9	4
76	Sakuranetin exerts anticonvulsant effect in bicucullineâ€induced seizures. Fundamental and Clinical Pharmacology, 2022, 36, 663-673.	1.9	3
77	Evaluation of the neuromuscular junction in a middleâ€aged mouse model of congenital myasthenic syndrome. Muscle and Nerve, 2019, 60, 790-800.	2.2	2
78	Biseugenol Exhibited Anti-Inflammatory and Anti-Asthmatic Effects in an Asthma Mouse Model of Mixed-Granulocytic Asthma. Molecules, 2020, 25, 5384.	3.8	2
79	Lung Edema and Mortality Induced by Intestinal Ischemia and Reperfusion Is Regulated by VAChT Levels in Female Mice. Inflammation, 2021, 44, 1553-1564.	3.8	2
80	Exposure to Sodium Hypochlorite or Cigarette Smoke Induces Lung Injury and Mechanical Impairment in Wistar Rats. Inflammation, 2022, 45, 1464-1483.	3.8	2
81	Evaluation of cytogenetic damage in exfoliated nasal epithelial cells contributes to a better understanding of the pathogenesis of rhinosinusitis. Brazilian Journal of Otorhinolaryngology, 2020, 86, 268-269.	1.0	1
82	Long-term endogenous acetylcholine deficiency potentiates pulmonary inflammation in a murine model of elastase-induced emphysema. Scientific Reports, 2021, 11, 15918.	3.3	1
83	The Expression of Nitric Oxide in the Gingival Tissue in Subjects with Periodontitis and Chronic Pain. International Journal of Odontostomatology, 2014, 8, 279-287.	0.1	0
84	Anti - IL17 treatment control responses in lung injury induced by elastase. , 2018, , .		0
85	Aerobic exercise training engages cholinergic signaling to improve emphysema induced by cigarette smoke exposure in mice. Life Sciences, 2022, 301, 120599.	4.3	0