

# Soraia K P Costa

## List of Publications by Year in descending order

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71  
papers

1,615  
citations

257450

24  
h-index

361022

35  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differing effects of exogenous and endogenous hydrogen sulphide in carrageenan-induced knee joint synovitis in the rat. <i>British Journal of Pharmacology</i> , 2010, 159, 1463-1474.	5.4	89
2	H <sub>2</sub> S-releasing drugs: Anti-inflammatory, cytoprotective and chemopreventative potential. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 46, 25-31.	2.7	75
3	iNOS-Derived Nitric Oxide Stimulates Osteoclast Activity and Alveolar Bone Loss in Ligature-Induced Periodontitis in Rats. <i>Journal of Periodontology</i> , 2011, 82, 1608-1615.	3.4	71
4	Hydrogen sulfide inhibits oxidative stress in lungs from allergic mice in vivo. <i>European Journal of Pharmacology</i> , 2013, 698, 463-469.	3.5	64
5	Cinnamaldehyde modulates LPS-induced systemic inflammatory response syndrome through TRPA1-dependent and independent mechanisms. <i>International Immunopharmacology</i> , 2016, 34, 60-70.	3.8	61
6	Involvement of kinins, mast cells and sensory neurons in the plasma exudation and paw oedema induced by staphylococcal enterotoxin B in the mouse. <i>European Journal of Pharmacology</i> , 2000, 399, 235-242.	3.5	53
7	Enalapril does not prevent the myocardial ischemia caused by the chronic inhibition of nitric oxide synthesis. <i>European Journal of Pharmacology</i> , 1995, 287, 93-96.	3.5	45
8	The effect of a tachykinin NK <sub>1</sub> receptor antagonist, SR140333, on oedema formation induced in rat skin by venom from the <i>Phoneutria nigriventer</i> spider. <i>British Journal of Pharmacology</i> , 1996, 118, 295-298.	5.4	41
9	Participation of peripheral tachykinin NK <sub>1</sub> receptors in the carrageenan-induced inflammation of the rat temporomandibular joint. <i>European Journal of Pain</i> , 2009, 13, 812-819.	2.8	40
10	How important are NK1 receptors for influencing microvascular inflammation and itch in the skin? Studies using <i>Phoneutria nigriventer</i> venom. <i>Vascular Pharmacology</i> , 2006, 45, 209-214.	2.1	38
11	Hydrogen sulfide and dermatological diseases. <i>British Journal of Pharmacology</i> , 2020, 177, 857-865.	5.4	38
12	Pulmonary neutrophil recruitment and bronchial reactivity in formaldehyde-exposed rats are modulated by mast cells and differentially by neuropeptides and nitric oxide. <i>Toxicology and Applied Pharmacology</i> , 2006, 214, 35-42.	2.8	37
13	Protective effects of exogenous and endogenous hydrogen sulfide in mast cell-mediated pruritus and cutaneous acute inflammation in mice. <i>Pharmacological Research</i> , 2017, 115, 255-266.	7.1	37
14	A comparative study on the anti-inflammatory effects of single oral doses of naproxen and its hydrogen sulfide (H <sub>2</sub> S)-releasing derivative ATB-346 in rats with carrageenan-induced synovitis. <i>Medical Gas Research</i> , 2013, 3, 24.	2.3	32
15	Pulmonary Inflammation Is Regulated by the Levels of the Vesicular Acetylcholine Transporter. <i>PLoS ONE</i> , 2015, 10, e0120441.	2.5	32
16	Comparative effect of <i>Phoneutria nigriventer</i> spider venom and capsaicin on the rat paw oedema. <i>Life Sciences</i> , 2001, 69, 1573-1585.	4.3	31
17	The effect of <i>Phoneutria nigriventer</i> (armed spider) venom on arterial blood pressure of anaesthetised rats. <i>European Journal of Pharmacology</i> , 1996, 298, 113-120.	3.5	30
18	Reduced allergic lung inflammation in rats following formaldehyde exposure: Long-term effects on multiple effector systems. <i>Toxicology</i> , 2009, 256, 157-163.	4.2	29

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19	Phoneutria nigriventer spider venom induces oedema in rat skin by activation of capsaicin sensitive sensory nerves. <i>European Journal of Pharmacology</i> , 1997, 339, 223-226.	3.5	28
20	Beneficial effects of <i>Anadenanthera colubrina</i> (Vell.) Brenan extract on the inflammatory and nociceptive responses in rodent models. <i>Journal of Ethnopharmacology</i> , 2013, 148, 218-222.	4.1	28
21	Capsaicin and Its Role in Chronic Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2016, 929, 91-125.	1.6	28
22	The H <sub>2</sub> S-releasing naproxen derivative, ATB-346, inhibits alveolar bone loss and inflammation in rats with ligature-induced periodontitis. <i>Medical Gas Research</i> , 2015, 5, 4.	2.3	27
23	NON-SPECIFIC INHIBITORS OF NITRIC OXIDE SYNTHASE CAUSE MYOCARDIAL NECROSIS IN THE RAT. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1997, 24, 349-352.	1.9	25
24	Local and cardiorenal effects of periodontitis in nitric oxide-deficient hypertensive rats. <i>Archives of Oral Biology</i> , 2011, 56, 41-47.	1.8	25
25	<i>Uncaria tomentosa</i> improves insulin sensitivity and inflammation in experimental NAFLD. <i>Scientific Reports</i> , 2018, 8, 11013.	3.3	25
26	Enhanced Analgesic Effects and Gastrointestinal Safety of a Novel, Hydrogen Sulfide-Releasing Anti-Inflammatory Drug (ATB-352): A Role for Endogenous Cannabinoids. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 1003-1009.	5.4	25
27	Involvement of sensory nerves and TRPV1 receptors in the rat airway inflammatory response to two environment pollutants: diesel exhaust particles (DEP) and 1,2-naphthoquinone (1,2-NQ). <i>Archives of Toxicology</i> , 2010, 84, 109-117.	4.2	24
28	Involvement of vanilloid receptors and purinoceptors in the <i>Phoneutria nigriventer</i> spider venom-induced plasma extravasation in rat skin. <i>European Journal of Pharmacology</i> , 2000, 391, 305-315.	3.5	23
29	Increased glutathione levels contribute to the beneficial effects of hydrogen sulfide and inducible nitric oxide inhibition in allergic lung inflammation. <i>International Immunopharmacology</i> , 2016, 39, 57-62.	3.8	23
30	Differential sensitivity to tetrodotoxin and lack of effect of prostaglandin E <sub>2</sub> on the pharmacology and physiology of propagated action potentials. <i>British Journal of Pharmacology</i> , 2002, 135, 1449-1456.	5.4	22
31	<i>Phoneutria nigriventer</i> spider venom activates 5-HT <sub>4</sub> receptors in rat-isolated vagus nerve. <i>British Journal of Pharmacology</i> , 2003, 139, 59-64.	5.4	22
32	Characterization of the mechanisms underlying the inflammatory response to <i>Polistes lanio lanio</i> (paper wasp) venom in mouse dorsal skin. <i>Toxicon</i> , 2009, 53, 42-52.	1.6	22
33	Endothelial dysfunction in rats with ligature-induced periodontitis: Participation of nitric oxide and cyclooxygenase-2-derived products. <i>Archives of Oral Biology</i> , 2016, 63, 66-74.	1.8	22
34	Inhibition of inducible nitric oxide synthase-derived nitric oxide as a therapeutic target for acute pancreatitis induced by secretory phospholipase A <sub>2</sub> . <i>European Journal of Pain</i> , 2014, 18, 691-700.	2.8	21
35	The ability of neuropeptide Y to mediate responses in the murine cutaneous microvasculature: an analysis of the contribution of Y <sub>1</sub> and Y <sub>2</sub> receptors. <i>British Journal of Pharmacology</i> , 2003, 140, 422-430.	5.4	20
36	Pivotal role of endogenous tachykinins and the NK <sub>1</sub> receptor in mediating leukocyte accumulation, in the absence of oedema formation, in response to TNF $\alpha$ in the cutaneous microvasculature. <i>Journal of Neuroimmunology</i> , 2006, 171, 99-109.	2.3	19

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37	Elucidating the role of oxidative stress in the therapeutic effect of rutin on experimental acute pancreatitis. <i>Free Radical Research</i> , 2016, 50, 1350-1360.	3.3	19
38	Hydrogen sulfide inhibits apoptosis and protects the bronchial epithelium in an allergic inflammation mice model. <i>International Immunopharmacology</i> , 2019, 73, 435-441.	3.8	19
39	Endothelial cells play an essential role in the thermal hyperalgesia induced by nerve growth factor. <i>FASEB Journal</i> , 2003, 17, 1703-1705.	0.5	18
40	The calcitonin gene-related peptide (CGRP) antagonist CGRP8â€³37 blocks vasodilatation in inflamed rat skin: involvement of adrenomedullin in addition to CGRP. <i>Neuroscience Letters</i> , 2001, 310, 169-172.	2.1	17
41	Role of kinins and sensory neurons in the rat pleural leukocyte migration induced by Phoneutria nigriventer spider venom. <i>Neuroscience Letters</i> , 2002, 318, 158-162.	2.1	16
42	Putative antinociceptive action of nitric oxide in the caudal part of the spinal trigeminal nucleus during chronic carrageenan-induced arthritis in the rat temporomandibular joint. <i>Brain Research</i> , 2009, 1302, 85-96.	2.2	16
43	Deletion or pharmacological blockade of TLR4 confers protection against cyclophosphamide-induced mouse cystitis. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F460-F468.	2.7	16
44	Microemulsion for Prolonged Release of Fenretinide in the Mammary Tissue and Prevention of Breast Cancer Development. <i>Molecular Pharmaceutics</i> , 2021, 18, 3401-3417.	4.6	16
45	PAR <sub>2</sub> and Temporomandibular Joint Inflammation in the Rat. <i>Journal of Dental Research</i> , 2010, 89, 1123-1128.	5.2	15
46	TRPV1 Antagonism by Capsazepine Modulates Innate Immune Response in Mice Infected with <i>Plasmodium berghei</i> /ANKA. <i>Mediators of Inflammation</i> , 2014, 2014, 1-12.	3.0	15
47	The plasma protein extravasation induced by adenosine and its analogues in the rat dorsal skin: evidence for the involvement of capsaicin sensitive primary afferent neurones and mast cells. <i>British Journal of Pharmacology</i> , 2001, 134, 108-115.	5.4	14
48	Hydrogen sulfide donors alleviate itch secondary to the activation of type-2 protease activated receptors (PAR-2) in mice. <i>Pharmacological Research</i> , 2016, 113, 686-694.	7.1	14
49	Activation by Phoneutria nigriventer spider venom of autonomic nerve fibers in the isolated rat heart. <i>European Journal of Pharmacology</i> , 1998, 363, 139-146.	3.5	13
50	Evidence That P-glycoprotein Inhibitor (Elacridar)-Loaded Nanocarriers Improve Epidermal Targeting of an Anticancer Drug via Absorptive Cutaneous Transporters Inhibition. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 698-705.	3.3	12
51	Abdominal hyperalgesia in secretory phospholipase A <sub>2</sub> -induced rat pancreatitis: Distinct roles of NK <sub>1</sub> receptors. <i>European Journal of Pain</i> , 2011, 15, 900-906.	2.8	11
52	The inclusion complex of carvacrol and $\beta$ -cyclodextrin reduces acute skeletal muscle inflammation and nociception in rats. <i>Pharmacological Reports</i> , 2018, 70, 1139-1145.	3.3	11
53	Transient Receptor Potential Canonical Channels 4 and 5 Mediate <i>Escherichia coli</i> -Derived Thioredoxin Effects in Lipopolysaccharide-Injected Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	4.0	9
54	N-Acetylcysteine Reduced Ischemia and Reperfusion Damage Associated with Steatohepatitis in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4106.	4.1	9

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55	Modulation of Coronary Flow and Cardiomyocyte Size by Sensory Fibers. <i>Hypertension</i> , 1999, 34, 790-794.	2.7	8
56	Early postnatal, but not late, exposure to chemical ambient pollutant 1,2-naphthoquinone increases susceptibility to pulmonary allergic inflammation at adulthood. <i>Archives of Toxicology</i> , 2014, 88, 1589-1605.	4.2	8
57	Exercise training restores the myogenic response in skeletal muscle resistance arteries and corrects peripheral edema in rats with heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H87-H96.	3.2	8
58	Role of sensory innervation in the rat pulmonary neutrophil recruitment induced by staphylococcal enterotoxins type A and B. <i>European Journal of Pharmacology</i> , 2009, 613, 128-134.	3.5	7
59	Avaliação das atividades cicatrizante, anti-inflamatória tópica e antioxidante do extrato etanólico da <i>Sideroxylon obtusifolium</i> (quixabeira). <i>Revista Brasileira De Plantas Medicinais</i> , 2015, 17, 164-170.	0.3	6
60	Peripheral Neurokinin-1 Receptors Contribute to Kaolin-Induced Acute Monoarthritis in Rats. <i>NeuroImmunoModulation</i> , 2015, 22, 373-384.	1.8	5
61	Chronotropic response of $\beta^2$ -adrenergic-, muscarinic-, and calcitonin gene-related peptide-receptor agonists in right atria from neonatal capsaicin-treated rats. <i>Neuroscience Letters</i> , 2002, 325, 147-150.	2.1	4
62	Inflammatory Action of Secretory Phospholipases A2 from Snake Venoms. <i>Toxinology</i> , 2017, , 35-52.	0.2	4
63	The potential anti-inflammatory and anti-nociceptive effects of rat hemopressin (PVNFKFLSH) in experimental arthritis. <i>European Journal of Pharmacology</i> , 2021, 890, 173636.	3.5	4
64	Vasorelaxant Activity of AP39, a Mitochondria-Targeted H2S Donor, on Mouse Mesenteric Artery Rings In Vitro. <i>Biomolecules</i> , 2022, 12, 280.	4.0	4
65	The Symbiotic Effect of a New Nutraceutical with Yeast $\beta$ -Glucan, Prebiotics, Minerals, and Silybum marianum (Silymarin) for Recovering Metabolic Homeostasis via Pgc-1 $\alpha$ , Il-6, and Il-10 Gene Expression in a Type-2 Diabetes Obesity Model. <i>Antioxidants</i> , 2022, 11, 447.	5.1	4
66	Molecular mechanism and health effects of 1,2-Napthoquinone. <i>EXCLI Journal</i> , 2020, 19, 707-717.	0.7	3
67	Role of Tachykinins in Neurogenic Inflammation of the Skin and Other External Surfaces. <i>Handbook of Experimental Pharmacology</i> , 2004, , 459-490.	1.8	2
68	Myrtenol Reduces Orofacial Nociception and Inflammation in Mice Through p38-MAPK and Cytokine Inhibition. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	2
69	Activation of 5-HT4 receptors causes neurogenic inflammation in the cutaneous microvasculature. <i>Inflammation Research</i> , 2003, 52, S183-S186.	4.0	1
70	Inflammatory Action of Secretory PLA2 from Snake Venoms. , 2015, , 1-18.		1
71	Lipopolysaccharide reduces urethral smooth muscle contractility via cyclooxygenase activation. <i>Journal of Physiology and Biochemistry</i> , 2021, 77, 557-564.	3.0	0