Robson Coutinho-Silva

List of Publications by Citations

124 papers	3,819 citations	37 h-index	56 g-index
143 ext. papers	4,534 ext. citations	5.3 avg, IF	5.58 L-index

#	Paper	IF	Citations
124	The P2X7 Receptor in Inflammatory Diseases: Angel or Demon?. *Frontiers in Pharmacology*, **2018**, 9, 52	5.6	200
123	P2Z/P2X7 receptor-dependent apoptosis of dendritic cells. *American Journal of Physiology - Cell Physiology*, **1999**, 276, C1139-47	5.4	173
122	Inhibition of chlamydial infectious activity due to P2X7R-dependent phospholipase D activation. *Immunity*, **2003**, 19, 403-12	32.3	136
121	P2Z purinoceptor-associated pores induced by extracellular ATP in macrophages and J774 cells. *American Journal of Physiology - Cell Physiology*, **1997**, 273, C1793-800	5.4	92
120	P2X and P2Y purinergic receptors on human intestinal epithelial carcinoma cells: effects of extracellular nucleotides on apoptosis and cell proliferation. *American Journal of Physiology - Renal Physiology*, **2005**, 288, G1024-35	5.1	92
119	The role of purinergic P2X7 receptors in the inflammation and fibrosis of unilateral ureteral obstruction in mice. *Kidney International*, **2006**, 70, 1599-606	9.9	90
118	Modulation of P2Z/P2X(7) receptor activity in macrophages infected with Chlamydia psittaci. *American Journal of Physiology - Cell Physiology*, **2001**, 280, C81-9	5.4	88
117	CD39 limits P2X7 receptor inflammatory signaling and attenuates sepsis-induced liver injury. *Journal of Hepatology*, **2017**, 67, 716-726	13.4	84
116	Colchicine inhibits cationic dye uptake induced by ATP in P2X2 and P2X7 receptor-expressing cells: implications for its therapeutic action. *British Journal of Pharmacology*, **2011**, 163, 912-26	8.6	79
115	C terminus of the P2X7 receptor: treasure hunting. *Purinergic Signalling*, **2011**, 7, 7-19	3.8	74
114	Role of extracellular nucleotides in the immune response against intracellular bacteria and protozoan parasites. *Microbes and Infection*, **2012**, 14, 1271-7	9.3	73
113	Activation of the P2X(7) receptor triggers the elimination of Toxoplasma gondii tachyzoites from infected macrophages. *Microbes and Infection*, **2010**, 12, 497-504	9.3	73
112	Host-cell lipid rafts: a safe door for micro-organisms?. *Biology of the Cell*, **2010**, 102, 391-407	3.5	71
111	Modulation of P2X(7) purinergic receptor in macrophages by Leishmania amazonensis and its role in parasite elimination. *Microbes and Infection*, **2009**, 11, 842-9	9.3	64
110	Overexpression of ATP-activated P2X7 receptors in the intestinal mucosa is implicated in the pathogenesis of Crohn's disease. *Inflammatory Bowel Diseases*, **2014**, 20, 444-57	4.5	62
109	P2X and P2Y purinoceptor expression in pancreas from streptozotocin-diabetic rats. *Molecular and Cellular Endocrinology*, **2003**, 204, 141-54	4.4	58
108	The role of P2X7 receptor in infectious inflammatory diseases and the influence of ectonucleotidases. *Biomedical Journal*, **2014**, 37, 169-77	7.1	58

107	The P2X7 Receptor Mediates Control in Macrophages through Canonical NLRP3 Inflammasome Activation and Reactive Oxygen Species Production. *Frontiers in Immunology*, **2017**, 8, 1257	8.4	56
106	Multiple P2X and P2Y receptor subtypes in mouse J774, spleen and peritoneal macrophages. *Biochemical Pharmacology*, **2005**, 69, 641-55	6	56
105	Pulmonary infection with hypervirulent Mycobacteria reveals a crucial role for the P2X7 receptor in aggressive forms of tuberculosis. *PLoS Pathogens*, **2014**, 10, e1004188	7.6	55
104	Modulation of mouse embryonic stem cell proliferation and neural differentiation by the P2X7 receptor. *PLoS ONE*, **2014**, 9, e96281	3.7	54
103	Changes in expression of P2 receptors in rat and mouse pancreas during development and ageing. *Cell and Tissue Research*, **2001**, 306, 373-83	4.2	52
102	The P2X(7) receptor and intracellular pathogens: a continuing struggle. *Purinergic Signalling*, **2009**, 5, 197-204	3.8	50
101	Purinergic signaling, DAMPs, and inflammation. *American Journal of Physiology - Cell Physiology*, **2020**, 318, C832-C835	5.4	49
100	Leukotriene B4 modulates P2X7 receptor-mediated Leishmania amazonensis elimination in murine macrophages. *Journal of Immunology*, **2014**, 192, 4765-73	5.3	49
99	Multifaceted Effects of Extracellular Adenosine Triphosphate and Adenosine in the Tumor-Host Interaction and Therapeutic Perspectives. *Frontiers in Immunology*, **2017**, 8, 1526	8.4	49
98	Prophylactic systemic P2X7 receptor blockade prevents experimental colitis. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 65-78	6.9	47
97	Sulfate-reducing bacteria stimulate gut immune responses and contribute to inflammation in experimental colitis. *Life Sciences*, **2017**, 189, 29-38	6.8	47
96	Extracellular ATP induces cell death in human intestinal epithelial cells. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 1867-78	4	46
95	P2X7 receptor modulates inflammatory and functional pulmonary changes induced by silica. *PLoS ONE*, **2014**, 9, e110185	3.7	45
94	The role of P2X7 purinergic receptors in inflammatory and nociceptive changes accompanying cyclophosphamide-induced haemorrhagic cystitis in mice. *British Journal of Pharmacology*, **2012**, 165, 183-96	8.6	44
93	Lipopolysaccharide-induced lung injury: role of P2X7 receptor. *Respiratory Physiology and Neurobiology*, **2011**, 179, 314-25	2.8	44
92	Characterization of ATP-induced cell death in the GL261 mouse glioma. *Journal of Cellular Biochemistry*, **2010**, 109, 983-91	4.7	44
91	Modulation of intercellular communication in macrophages: possible interactions between GAP junctions and P2 receptors. *Journal of Cell Science*, **2004**, 117, 4717-26	5.3	44
90	Purinergic receptor agonists modulate phagocytosis and clearance of apoptotic cells in macrophages. *Immunobiology*, **2011**, 216, 1-11	3.4	43

89	The role of P2 receptors in controlling infections by intracellular pathogens. *Purinergic Signalling*, **2007**, 3, 83-90	3.8	43
88	Role of P2X7 Receptor in an Animal Model of Mania Induced by D-Amphetamine. *Molecular Neurobiology*, **2016**, 53, 611-620	6.2	37
87	Extracellular ATP induces cell death in CD4+/CD8+ double-positive thymocytes in mice infected with Trypanosoma cruzi. *Microbes and Infection*, **2003**, 5, 1363-71	9.3	37
86	Silica-induced inflammasome activation in macrophages: role of ATP and P2X7 receptor. *Immunobiology*, **2015**, 220, 1101-6	3.4	36
85	Expression of purinergic receptors and modulation of P2X7 function by the inflammatory cytokine IFNgamma in human epithelial cells. *Biochimica Et Biophysica Acta - Biomembranes*, **2009**, 1788, 1176-87	3.8	36
84	The P2X7 Receptor Contributes to the Development of the Exacerbated Inflammatory Response Associated with Sepsis. *Journal of Innate Immunity*, **2015**, 7, 417-27	6.9	34
83	Activation of ERK1/2 by extracellular nucleotides in macrophages is mediated by multiple P2 receptors independently of P2X7-associated pore or channel formation. *British Journal of Pharmacology*, **2006**, 147, 324-34	8.6	34
82	Sulphate-reducing bacteria from ulcerative colitis patients induce apoptosis of gastrointestinal epithelial cells. *Microbial Pathogenesis*, **2017**, 112, 126-134	3.8	33
81	P2X7 receptor drives Th1 cell differentiation and controls the follicular helper T cell population to protect against Plasmodium chabaudi malaria. *PLoS Pathogens*, **2017**, 13, e1006595	7.6	33
80	A Dual Role for P2X7 Receptor during Porphyromonas gingivalis Infection. *Journal of Dental Research*, **2015**, 94, 1233-42	8.1	31
79	P2X7 Receptor Signaling Contributes to Sepsis-Associated Brain Dysfunction. *Molecular Neurobiology*, **2017**, 54, 6459-6470	6.2	31
78	Infection with Leishmania amazonensis upregulates purinergic receptor expression and induces host-cell susceptibility to UTP-mediated apoptosis. *Cellular Microbiology*, **2011**, 13, 1410-28	3.9	31
77	Porphyromonas gingivalis fimbriae dampen P2X7-dependent interleukin-1 secretion. *Journal of Innate Immunity*, **2014**, 6, 831-45	6.9	30
76	Pathological concentrations of homocysteine increases IL-1 production in macrophages in a P2X7, NF-B, and erk-dependent manner. *Purinergic Signalling*, **2015**, 11, 463-70	3.8	29
75	Is the inflammasome relevant for epithelial cell function?. *Microbes and Infection*, **2016**, 18, 93-101	9.3	29
74	Non-canonical NLRP3 inflammasome activation and IL-1 signaling are necessary to L. amazonensis control mediated by P2X7 receptor and leukotriene B4. *PLoS Pathogens*, **2019**, 15, e1007887	7.6	28
73	Implication of purinergic P2X7 receptor in M. tuberculosis infection and host interaction mechanisms: a mouse model study. *Immunobiology*, **2013**, 218, 1104-12	3.4	28
72	The purinergic receptor P2X7 role in control of Dengue virus-2 infection and cytokine/chemokine production in infected human monocytes. *Immunobiology*, **2016**, 221, 794-802	3.4	27

71	A cation non-selective channel induced by extracellular ATP in macrophages and phagocytic cells of the thymic reticulum. *Biochimica Et Biophysica Acta - Biomembranes*, **1996**, 1278, 125-30	3.8	27
70	Inflammatory early events associated to the role of P2X7 receptor in acute murine toxoplasmosis. *Immunobiology*, **2017**, 222, 676-683	3.4	26
69	P2X7 receptor promotes intestinal inflammation in chemically induced colitis and triggers death of mucosal regulatory T cells. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 1183-1194	6.9	26
68	Immunological Pathways Triggered by and : Therapeutic Possibilities?. *Mediators of Inflammation*, **2019**, 2019, 7241312	4.3	26
67	Gap junction reduction in cardiomyocytes following transforming growth factor-beta treatment and Trypanosoma cruzi infection. *Memorias Do Instituto Oswaldo Cruz*, **2009**, 104, 1083-90	2.6	26
66	Characterizing the presence and sensitivity of the P2X7 receptor in different compartments of the gut. *Journal of Innate Immunity*, **2012**, 4, 529-41	6.9	25
65	Characterization of P2Z purinergic receptors on phagocytic cells of the thymic reticulum in culture. *Biochimica Et Biophysica Acta - Biomembranes*, **1996**, 1280, 217-22	3.8	25
64	Differential modulation of ATP-induced P2X7-associated permeabilities to cations and anions of macrophages by infection with Leishmania amazonensis. *PLoS ONE*, **2011**, 6, e25356	3.7	25
63	P2X7 receptor knockout prevents streptozotocin-induced type 1 diabetes in mice. *Molecular and Cellular Endocrinology*, **2016**, 419, 148-57	4.4	22
62	The role of the P2X7 receptor in murine cutaneous leishmaniasis: aspects of inflammation and parasite control. *Purinergic Signalling*, **2017**, 13, 143-152	3.8	22
61	Lipid metabolism modulation by the P2X7 receptor in the immune system and during the course of infection: new insights into the old view. *Purinergic Signalling*, **2011**, 7, 381-92	3.8	21
60	Changes in expression of P2X7 receptors in NOD mouse pancreas during the development of diabetes. *Autoimmunity*, **2007**, 40, 108-16	3	21
59	Impairment of the splenic immune system in P2X(2)/P2X(3) knockout mice. *Immunobiology*, **2005**, 209, 661-8	3.4	20
58	Immunomodulatory effects of P2X7 receptor in intracellular parasite infections. *Current Opinion in Pharmacology*, **2019**, 47, 53-58	5.1	19
57	Purinergic Cooperation Between P2Y and P2X7 Receptors Promote Cutaneous Leishmaniasis Control: Involvement of Pannexin-1 and Leukotrienes. *Frontiers in Immunology*, **2018**, 9, 1531	8.4	19
56	Reversible inhibition of Chlamydia trachomatis infection in epithelial cells due to stimulation of P2X(4) receptors. *Infection and Immunity*, **2012**, 80, 4232-8	3.7	18
55	Endothelial P2X7 receptorsSexpression is reduced by schistosomiasis. *Purinergic Signalling*, **2013**, 9, 81-9	3.8	17
54	P2X7 receptor is required for neutrophil accumulation in a mouse model of irritant contact dermatitis. *Experimental Dermatology*, **2013**, 22, 184-8	4	17

53	Purinergic signaling during Porphyromonas gingivalis infection. *Biomedical Journal*, **2016**, 39, 251-260	7.1	17
52	Pyrimidinergic Receptor Activation Controls Toxoplasma gondii Infection in Macrophages. *PLoS ONE*, **2015**, 10, e0133502	3.7	16
51	P2X7 modulatory web in Trypanosoma cruzi infection. *Parasitology Research*, **2008**, 103, 829-38	2.4	16
50	Purinergic signaling in infectious diseases of the central nervous system. *Brain, Behavior, and Immunity*, **2020**, 89, 480-490	16.6	16
49	Crosstalk between purinergic receptors and lipid mediators in leishmaniasis. *Parasites and Vectors*, **2016**, 9, 489	4	16
48	Potential role of P2X7R in esophageal squamous cell carcinoma proliferation. *Purinergic Signalling*, **2017**, 13, 279-292	3.8	15
47	Mast cell function and death in Trypanosoma cruzi infection. *American Journal of Pathology*, **2011**, 179, 1894-904	5.8	15
46	Contribution of sulfate-reducing bacteria to homeostasis disruption during intestinal inflammation. *Life Sciences*, **2018**, 215, 145-151	6.8	15
45	Presence of the P2X(7) purinergic receptor on immune cells that invade the rat endometrium during oestrus. *Journal of Reproductive Immunology*, **2005**, 66, 127-40	4.2	13
44	Extracellular ATP: a further modulator in neuroendocrine control of the thymus. *NeuroImmunoModulation*, **1999**, 6, 81-9	2.5	12
43	Oral infection of mice with Fusobacterium nucleatum results in macrophage recruitment to the dental pulp and bone resorption. *Biomedical Journal*, **2018**, 41, 184-193	7.1	11
42	Pharmacological blockage and P2X7 deletion hinder aversive memories: reversion in an enriched environment. *Neuroscience*, **2014**, 280, 220-30	3.9	11
41	Modulation of P2X7 receptor expression in macrophages from mineral oil-injected mice. *Immunobiology*, **2008**, 213, 481-92	3.4	11
40	Increased expression of NTPDases 2 and 3 in mesenteric endothelial cells during schistosomiasis favors leukocyte adhesion through P2Y1 receptors. *Vascular Pharmacology*, **2016**, 82, 66-72	5.9	10
39	Macrophage P2X7 receptor function is reduced during schistosomiasis: putative role of TGF- 1. *Mediators of Inflammation*, **2014**, 2014, 134974	4.3	10
38	P2X7 receptor deletion attenuates oxidative stress and liver damage in sepsis. *Purinergic Signalling*, **2020**, 16, 561-572	3.8	10
37	Intralesional uridine-5Striphosphate (UTP) treatment induced resistance to Leishmania amazonensis infection by boosting Th immune responses and reactive oxygen species production. *Purinergic Signalling*, **2018**, 14, 201-211	3.8	9
36	Disruption of Purinergic Receptor P2X7 Signaling Increases Susceptibility to Cerebral Toxoplasmosis. *American Journal of Pathology*, **2019**, 189, 730-738	5.8	9

35	Brilliant blue G, a P2X7 receptor antagonist, attenuates early phase of renal inflammation, interstitial fibrosis and is associated with renal cell proliferation in ureteral obstruction in rats. *BMC Nephrology*, **2020**, 21, 206	2.7	8
34	P2X7 receptor activation increases expression of caveolin-1 and formation of macrophage lipid rafts, thereby boosting CD39 activity. *Journal of Cell Science*, **2020**, 133,	5.3	8
33	Early expression of adenosine 5Striphosphate-gated P2X7 receptors in the developing rat pancreas. *Pancreas*, **2007**, 35, 164-8	2.6	8
32	Purinergic signalling in host innate immune defence against intracellular pathogens. *Biochemical Pharmacology*, **2021**, 187, 114405	6	8
31	Danger signals, inflammasomes, and the intricate intracellular lives of chlamydiae. *Biomedical Journal*, **2016**, 39, 306-315	7.1	8
30	Pharmacological and molecular characterization of functional P2 receptors in rat embryonic cardiomyocytes. *Purinergic Signalling*, **2015**, 11, 127-38	3.8	7
29	P2X7 receptor-mediated leukocyte recruitment and Porphyromonas gingivalis clearance requires IL-1β production and autocrine IL-1 receptor activation. *Immunobiology*, **2019**, 224, 50-59	3.4	7
28	Periodate-oxidized ATP modulates macrophage functions during infection with Leishmania amazonensis. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2014**, 85, 588-600	4.6	6
27	Adenine Nucleotides Control Proliferation In Vivo of Rat Retinal Progenitors by P2Y Receptor. *Molecular Neurobiology*, **2017**, 54, 5142-5155	6.2	6
26	Effect of extracellular ATP on the human leukaemic cell line K562 and its multidrug counterpart. *Molecular and Cellular Biochemistry*, **2006**, 289, 111-24	4.2	6
25	Adenosine Diphosphate Improves Wound Healing in Diabetic Mice Through P2Y Receptor Activation. *Frontiers in Immunology*, **2021**, 12, 651740	8.4	6
24	Decrease of serum adenine nucleotide hydrolysis in an irritant contact dermatitis mice model: potential P2X7R involvement. *Molecular and Cellular Biochemistry*, **2015**, 404, 221-8	4.2	5
23	Protein kinase C-mediated ATP stimulation of Na(+)-ATPase activity in LLC-PK1 cells involves a P2Y2 and/or P2Y4 receptor. *Archives of Biochemistry and Biophysics*, **2013**, 535, 136-42	4.1	5
22	Antileishmanial Chemotherapy through Clemastine Fumarate Mediated Inhibition of the Inositol Phosphorylceramide Synthase. *ACS Infectious Diseases*, **2021**, 7, 47-63	5.5	5
21	P2Y Receptor Induces Infection Control in a Mechanism Dependent on Caspase-1 Activation and IL-1 Secretion. *Mediators of Inflammation*, **2020**, 2020, 2545682	4.3	5
20	Creatine supplementation impairs airway inflammation in an experimental model of asthma involving P2 7 receptor. *European Journal of Immunology*, **2019**, 49, 928-939	6.1	4
19	MSU Crystals induce sterile IL-1β secretion via P2X7 receptor activation and HMGB1 release. *Biochimica Et Biophysica Acta - General Subjects*, **2020**, 1864, 129461	4	4
18	Innate immune memory mediates increased susceptibility to Alzheimer's disease-like pathology in sepsis surviving mice. *Brain, Behavior, and Immunity*, **2021**, 95, 287-298	16.6	4

17	The P2Z purinoceptor: an open question in the immune system. *Trends in Immunology*, **1996**, 17, 292-4		3
16	Low-Cost Scientific Exhibition: A Proposal to Promote Science Education. *Creative Education*, **2020**, 11, 760-782	0.4	3
15	P2Y Receptor Antagonist Clopidogrel Attenuates Lung Inflammation Triggered by Silica Particles. *Frontiers in Pharmacology*, **2020**, 11, 301	5.6	3
14	Purinergic signaling in the modulation of redox biology. *Redox Biology*, **2021**, 47, 102137	11.3	3
13	A Fun□ social dos museus e centros de ci□ncias: integra□ com escolas e secretarias de educa□. *Ci□ncia E Cultura*, **2019**, 71, 04-05	0.3	2
12	A journey through the digestive system: analysis of a practical activity□s use as a didactic resource for undergraduate students. *Journal of Biological Education*, **2020**, 1-33	0.9	2
11	Purinergic signaling: a new front-line determinant of resistance and susceptibility in leishmaniasis. *Biomedical Journal*, **2021**,	7.1	2
10	CD73-dependent adenosine dampens interleukin-1□nduced CXCL8 production in gingival fibroblasts: Association with heme oxygenase-1 and adenosine monophosphate-activated protein kinase. *Journal of Periodontology*, **2020**, 91, 253-262	4.6	2
9	Using Cytometry for Investigation of Purinergic Signaling in Tumor-Associated Macrophages. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2020**, 97, 1109-1126	4.6	1
8	Hyperhomocysteinemia alters cytokine gene expression, cytochrome c oxidase activity and oxidative stress in striatum and cerebellum of rodents. *Life Sciences*, **2021**, 277, 119386	6.8	1
7	The giant artery: blood and blood vessels in a science museum. *Journal of Biological Education*, **2019** , 1-19	0.9	1
6	Targeting Purinergic Signaling in the Dynamics of Disease Progression in Sepsis. *Frontiers in Pharmacology*, **2020**, 11, 626484	5.6	1
5	Differential involvement of the canonical and noncanonical inflammasomes in the immune response against infection by the periodontal bacteria and. *Current Research in Microbial Sciences*, **2021**, 2, 100023	3.3	1
4	The Complexity of Purinergic Signaling During Toxoplasma Infection. *Current Topics in Medicinal Chemistry*, **2021**, 21, 205-212	3	1
3	P2X7 Receptor Triggers Lysosomal Leakage Through Calcium Mobilization in a Mechanism Dependent on Pannexin-1 Hemichannels.. *Frontiers in Immunology*, **2022**, 13, 752105	8.4	0
2	Dietary Fiber Drives IL-1□Dependent Peritonitis Induced by via Activation of the NLRP3 Inflammasome. *Journal of Immunology*, **2021**, 206, 2441-2452	5.3	
1	Atividades experimentais e o ensino de F□ica para os anos iniciais do Ensino Fundamental: an□se de um programa formativo para professores. *Caderno Brasileiro De Ensino De F□ica*, **2016**, 33, 579	0.1	