

# Josã Antonio Pariente

## List of Publications by Year in descending order

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104  
papers

4,386  
citations

76326

40  
h-index

118850

62  
g-index

104  
all docs

104  
docs citations

104  
times ranked

4458  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of STIM1 with Endogenously Expressed Human Canonical TRP1 upon Depletion of Intracellular Ca <sup>2+</sup> Stores. <i>Journal of Biological Chemistry</i> , 2006, 281, 28254-28264.	3.4	189
2	Melatonin potentiates chemotherapy-induced cytotoxicity and apoptosis in rat pancreatic tumor cells. <i>Journal of Pineal Research</i> , 2012, 53, 91-98.	7.4	147
3	Melatonin sensitizes human cervical cancer cells to cisplatin-induced cytotoxicity and apoptosis: effects on oxidative stress and DNA fragmentation. <i>Journal of Pineal Research</i> , 2016, 60, 55-64.	7.4	134
4	Selenium Modulates Oxidative Stress-Induced Cell Apoptosis in Human Myeloid HL-60 Cells Through Regulation of Calcium Release and Caspase-3 and -9 Activities. <i>Journal of Membrane Biology</i> , 2009, 232, 15-23.	2.1	132
5	Melatonin induces mitochondrial-mediated apoptosis in human myeloid HL-60 cells. <i>Journal of Pineal Research</i> , 2009, 46, 392-400.	7.4	128
6	Neuropathic Pain: Delving into the Oxidative Origin and the Possible Implication of Transient Receptor Potential Channels. <i>Frontiers in Physiology</i> , 2018, 9, 95.	2.8	128
7	Hydrogen Peroxide Generation Induces pp60 Activation in Human Platelets. <i>Journal of Biological Chemistry</i> , 2004, 279, 1665-1675.	3.4	119
8	Ca <sup>2+</sup> accumulation into acidic organelles mediated by Ca <sup>2+</sup> - and vacuolar H <sup>+</sup> -ATPases in human platelets. <i>Biochemical Journal</i> , 2005, 390, 243-252.	3.7	112
9	Melatonin protects human spermatozoa from apoptosis via melatonin receptor and extracellular signal-regulated kinase-mediated pathways. <i>Fertility and Sterility</i> , 2011, 95, 2290-2296.	1.0	104
10	Melatonin Reduces Apoptosis Induced by Calcium Signaling in Human Leukocytes: Evidence for the Involvement of Mitochondria and Bax Activation. <i>Journal of Membrane Biology</i> , 2010, 233, 105-118.	2.1	98
11	Hydrogen peroxide and peroxynitrite enhance Ca <sup>2+</sup> mobilization and aggregation in platelets from type 2 diabetic patients. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 794-802.	2.1	94
12	Ethanol stimulates ROS generation by mitochondria through Ca <sup>2+</sup> mobilization and increases GFAP content in rat hippocampal astrocytes. <i>Brain Research</i> , 2007, 1178, 28-37.	2.2	93
13	Two distinct Ca <sup>2+</sup> compartments show differential sensitivity to thrombin, ADP and vasopressin in human platelets. <i>Cellular Signalling</i> , 2006, 18, 373-381.	3.6	91
14	Melatonin as a potential tool against oxidative damage and apoptosis in ejaculated human spermatozoa. <i>Fertility and Sterility</i> , 2010, 94, 1915-1917.	1.0	86
15	Effect of hydrogen peroxide on Ca <sup>2+</sup> mobilisation in human platelets through sulphhydryl oxidation dependent and independent mechanisms. <i>Biochemical Pharmacology</i> , 2004, 67, 491-502.	4.4	83
16	Early caspase-3 activation independent of apoptosis is required for cellular function. <i>Journal of Cellular Physiology</i> , 2006, 209, 142-152.	4.1	83
17	Relationship between Caspase Activity and Apoptotic Markers in Human Sperm in Response to Hydrogen Peroxide and Progesterone. <i>Journal of Reproduction and Development</i> , 2009, 55, 615-621.	1.4	83
18	Protective effect of melatonin against human leukocyte apoptosis induced by intracellular calcium overload: relation with its antioxidant actions. <i>Journal of Pineal Research</i> , 2011, 51, 195-206.	7.4	81

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19	Two Pathways for Store-mediated Calcium Entry Differentially Dependent on the Actin Cytoskeleton in Human Platelets. <i>Journal of Biological Chemistry</i> , 2004, 279, 29231-29235.	3.4	79
20	Pro-Oxidant Effect of Melatonin in Tumour Leucocytes: Relation with its Cytotoxic and Pro-Apoptotic Effects. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011, 108, 14-20.	2.5	75
21	Exogenous melatonin supplementation prevents oxidative stress-evoked <sc>DNA</sc> damage in human spermatozoa. <i>Journal of Pineal Research</i> , 2014, 57, 333-339.	7.4	75
22	Oxidative Stress and Immunosenescence: Therapeutic Effects of Melatonin. <i>Oxidative Medicine and Cellular Longevity</i> , 2012, 2012, 1-9.	4.0	73
23	Dual effect of hydrogen peroxide on store-mediated calcium entry in human platelets. <i>Biochemical Pharmacology</i> , 2004, 67, 1065-1076.	4.4	66
24	STIM1 regulates acidic Ca <sup>2+</sup> store refilling by interaction with SERCA3 in human platelets. <i>Biochemical Pharmacology</i> , 2008, 75, 2157-2164.	4.4	60
25	Reduced levels of intracellular calcium releasing in spermatozoa from asthenozoospermic patients. <i>Reproductive Biology and Endocrinology</i> , 2009, 7, 11.	3.3	56
26	Store-operated Ca <sup>2+</sup> entry: Vesicle fusion or reversible trafficking and de novo conformational coupling?. <i>Journal of Cellular Physiology</i> , 2005, 205, 262-269.	4.1	55
27	Melatonin enhances hydrogen peroxide-induced apoptosis in human promyelocytic leukaemia HL-60 cells. <i>Molecular and Cellular Biochemistry</i> , 2011, 353, 167-176.	3.1	55
28	Metabolic Syndrome, its Pathophysiology and the Role of Melatonin. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2013, 7, 11-25.	0.6	54
29	Ca <sup>2+</sup> -independent activation of Bruton's tyrosine kinase is required for store-mediated Ca <sup>2+</sup> entry in human platelets. <i>Cellular Signalling</i> , 2005, 17, 1011-1021.	3.6	52
30	Caspase 3 activation in human spermatozoa in response to hydrogen peroxide and progesterone. <i>Fertility and Sterility</i> , 2008, 90, 1340-1347.	1.0	52
31	Evidence for secretion-like coupling involving pp60src in the activation and maintenance of store-mediated Ca <sup>2+</sup> entry in mouse pancreatic acinar cells. <i>Biochemical Journal</i> , 2003, 370, 255-263.	3.7	51
32	Intracellular Calcium Release from Human Platelets: Different Messengers for Multiple Stores. <i>Trends in Cardiovascular Medicine</i> , 2008, 18, 57-61.	4.9	50
33	The inhibition of <sc>TNF</sc>-induced leucocyte apoptosis by melatonin involves membrane receptor <sc>MT</sc>1/<sc>MT</sc>2 interaction. <i>Journal of Pineal Research</i> , 2013, 54, 442-452.	7.4	48
34	Store-operated Ca <sup>2+</sup> entry and tyrosine kinase pp60src hyperactivity are modulated by hyperglycemia in platelets from patients with non insulin-dependent diabetes mellitus. <i>Archives of Biochemistry and Biophysics</i> , 2004, 432, 261-268.	3.0	45
35	Effects of reactive oxygen species on actin filament polymerisation and amylase secretion in mouse pancreatic acinar cells. <i>Cellular Signalling</i> , 2002, 14, 547-556.	3.6	44
36	Participation of MT3 melatonin receptors in the synergistic effect of melatonin on cytotoxic and apoptotic actions evoked by chemotherapeutics. <i>Cancer Chemotherapy and Pharmacology</i> , 2017, 80, 985-998.	2.3	44

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37	Reduced plasma membrane Ca <sup>2+</sup> -ATPase function in platelets from patients with non-insulin-dependent diabetes mellitus. <i>Haematologica</i> , 2004, 89, 1142-4.	3.5	44
38	Endogenously generated reactive oxygen species reduce PMCA activity in platelets from patients with non-insulin-dependent diabetes mellitus. <i>Platelets</i> , 2006, 17, 283-288.	2.3	41
39	Differential involvement of thrombin receptors in Ca <sup>2+</sup> release from two different intracellular stores in human platelets. <i>Biochemical Journal</i> , 2007, 401, 167-174.	3.7	41
40	Melatonin increases the effect of 5-fluorouracil-based chemotherapy in human colorectal adenocarcinoma cells in vitro. <i>Molecular and Cellular Biochemistry</i> , 2018, 440, 43-51.	3.1	41
41	Mechanism of Exocrine Pancreatic Insufficiency in Streptozotocin-Induced Type 1 Diabetes Mellitus. <i>Annals of the New York Academy of Sciences</i> , 2006, 1084, 71-88.	3.8	40
42	A role for SNAP-25 but not VAMPs in store-mediated Ca <sup>2+</sup> entry in human platelets. <i>Journal of Physiology</i> , 2004, 558, 99-109.	2.9	39
43	Generation of ROS in response to CCK-8 stimulation in mouse pancreatic acinar cells. <i>Mitochondrion</i> , 2004, 3, 285-296.	3.4	39
44	Melatonin is able to delay endoplasmic reticulum stress-induced apoptosis in leukocytes from elderly humans. <i>Age</i> , 2011, 33, 497-507.	3.0	38
45	Bioavailability of Bioactive Molecules from Olive Leaf Extracts and its Functional Value. <i>Phytotherapy Research</i> , 2016, 30, 1172-1179.	5.8	38
46	Free Cytosolic Calcium Levels Modify Intracellular pH in Rat Pancreatic Acini. <i>Biochemical and Biophysical Research Communications</i> , 1997, 230, 652-656.	2.1	37
47	A role for 5,6-epoxyeicosatrienoic acid in calcium entry by de novo conformational coupling in human platelets. <i>Journal of Physiology</i> , 2006, 570, 309-323.	2.9	35
48	H <sub>2</sub> O <sub>2</sub> Mobilizes Ca <sup>2+</sup> from Agonist- and Thapsigargin-sensitive and Insensitive Intracellular Stores and Stimulates Glutamate Secretion in Rat Hippocampal Astrocytes. <i>Neurochemical Research</i> , 2006, 31, 741-750.	3.3	35
49	Ethanol induces glutamate secretion by Ca <sup>2+</sup> mobilization and ROS generation in rat hippocampal astrocytes. <i>Neurochemistry International</i> , 2008, 52, 1061-1067.	3.8	35
50	Melatonin as a stabilizer of mitochondrial function: role in diseases and aging. <i>Turkish Journal of Biology</i> , 2015, 39, 822-831.	0.8	34
51	Changes in mitochondrial activity evoked by cholecystokinin in isolated mouse pancreatic acinar cells. <i>Cellular Signalling</i> , 2003, 15, 1039-1048.	3.6	32
52	A nutraceutical product based on Jerte Valley cherries improves sleep and augments the antioxidant status in humans. <i>European E-journal of Clinical Nutrition and Metabolism</i> , 2009, 4, e321-e323.	0.4	32
53	XOD-catalyzed ROS generation mobilizes calcium from intracellular stores in mouse pancreatic acinar cells. <i>Cellular Signalling</i> , 2002, 14, 153-159.	3.6	31
54	Dose-dependent effect of hydrogen peroxide on calcium mobilization in mouse pancreatic acinar cells. <i>Biochemistry and Cell Biology</i> , 2006, 84, 39-48.	2.0	31

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55	H2O2-induced changes in mitochondrial activity in isolated mouse pancreatic acinar cells. <i>Molecular and Cellular Biochemistry</i> , 2005, 269, 165-173.	3.1	30
56	Effect of exogenous melatonin on viability, ingestion capacity, and free-radical scavenging in heterophils from young and old ringdoves ( <i>Streptopelia risoria</i> ). <i>Molecular and Cellular Biochemistry</i> , 2007, 304, 305-314.	3.1	27
57	Caspases 3 and 9 are translocated to the cytoskeleton and activated by thrombin in human platelets. Evidence for the involvement of PKC and the actin filament polymerization. <i>Cellular Signalling</i> , 2006, 18, 1252-1261.	3.6	26
58	Melatonin Counteracts Alterations in Oxidative Metabolism and Cell Viability Induced by Intracellular Calcium Overload in Human Leucocytes: Changes with Age. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010, 107, 590-597.	2.5	26
59	SERCA2b and 3 play a regulatory role in store-operated calcium entry in human platelets. <i>Cellular Signalling</i> , 2008, 20, 337-346.	3.6	24
60	SERCA2b Activity Is Regulated by Cyclophilins in Human Platelets. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 419-425.	2.4	24
61	Anti-inflammatory effects of melatonin in a rat model of cerulein-induced acute pancreatitis. <i>Cell Biochemistry and Function</i> , 2013, 31, 585-590.	2.9	24
62	Ethanol impairs CCK-8-evoked amylase secretion through Ca <sup>2+</sup> -mediated ROS generation in mouse pancreatic acinar cells. <i>Alcohol</i> , 2006, 38, 51-57.	1.7	23
63	Ethanol impairs calcium homeostasis following CCK-8 stimulation in mouse pancreatic acinar cells. <i>Alcohol</i> , 2008, 42, 565-573.	1.7	23
64	Melatonin and Oxidative Stress in the Diabetic State: Clinical Implications and Potential Therapeutic Applications. <i>Current Medicinal Chemistry</i> , 2019, 26, 4178-4190.	2.4	23
65	Chemopreventive effects of resveratrol in a rat model of cerulein-induced acute pancreatitis. <i>Molecular and Cellular Biochemistry</i> , 2014, 387, 217-225.	3.1	22
66	Cleavage of SNAP-25 and VAMP-2 impairs store-operated Ca <sup>2+</sup> entry in mouse pancreatic acinar cells. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C214-C221.	4.6	21
67	Tryptophan Modulates Cell Viability, Phagocytosis and Oxidative Metabolism in Old Ringdoves. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007, 101, 56-62.	2.5	21
68	Ebselen increases cytosolic free Ca <sup>2+</sup> concentration, stimulates glutamate release and increases GFAP content in rat hippocampal astrocytes. <i>Toxicology</i> , 2008, 244, 280-291.	4.2	21
69	Effects of melatonin on the oxidative damage and pancreatic antioxidant defenses in cerulein-induced acute pancreatitis in rats. <i>Hepatobiliary and Pancreatic Diseases International</i> , 2014, 13, 442-446.	1.3	21
70	Apoptosis Is a Demanding Selective Tool During the Development of Fetal Male Germ Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 65.	3.7	21
71	Calcium Signalling and Reactive Oxygen Species in Non-Excitable Cells. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006, 6, 409-415.	2.4	19
72	The correlation between urinary 5-hydroxyindoleacetic acid and sperm quality in infertile men and rotating shift workers. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 138.	3.3	18

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73	Nanoceria protects from alterations in oxidative metabolism and calcium overloads induced by TNF $\alpha$ and cycloheximide in U937 cells: pharmacological potential of nanoparticles. <i>Molecular and Cellular Biochemistry</i> , 2014, 397, 245-253.	3.1	18
74	Synthesis and structure of a new thiazoline-based palladium(II) complex that promotes cytotoxicity and apoptosis of human promyelocytic leukemia HL-60 cells. <i>Scientific Reports</i> , 2020, 10, 16745.	3.3	18
75	Interaction of Islet Hormones with Cholecystokinin Octapeptide-Evoked Secretory Responses in the Isolated Pancreas of Normal and Diabetic Rats. <i>Experimental Physiology</i> , 1999, 84, 299-318.	2.0	17
76	Effect of Basic Fibroblast Growth Factor on Cholecystokinin-Induced Amylase Release and Intracellular Calcium Increase in Male Rat Pancreatic Acinar Cells. <i>Biochemical Pharmacology</i> , 1998, 55, 903-908.	4.4	16
77	Oxidizing effects of vanadate on calcium mobilization and amylase release in rat pancreatic acinar cells. <i>Biochemical Pharmacology</i> , 1999, 58, 77-84.	4.4	15
78	Extracellular heat shock proteins protect U937 cells from H <sub>2</sub> O <sub>2</sub> -induced apoptotic cell death. <i>Molecular and Cellular Biochemistry</i> , 2016, 412, 19-26.	3.1	14
79	A cherry nutraceutical modulates melatonin, serotonin, corticosterone, and total antioxidant capacity levels: effect on ageing and chronotype. <i>Journal of Applied Biomedicine</i> , 2012, 10, 109-117.	1.7	13
80	Role of Calcium Signals on Hydrogen Peroxide-Induced Apoptosis in Human Myeloid HL-60 Cells. <i>International Journal of Biomedical Science</i> , 2009, 5, 246-56.	0.1	13
81	Effect of H <sub>2</sub> O <sub>2</sub> on CCK-8-evoked changes in mitochondrial activity in isolated mouse pancreatic acinar cells. <i>Biology of the Cell</i> , 2005, 97, 847-856.	2.0	12
82	Intracellular Ca <sup>2+</sup> homeostasis and aggregation in platelets are impaired by ethanol through the generation of H <sub>2</sub> O <sub>2</sub> and oxidation of sulphhydryl groups. <i>Archives of Biochemistry and Biophysics</i> , 2006, 452, 9-16.	3.0	12
83	Tempranillo-derived grape seed extract induces apoptotic cell death and cell growth arrest in human promyelocytic leukemia HL-60 cells. <i>Food and Function</i> , 2013, 4, 1759.	4.6	12
84	Phenylarsine Oxide Evokes Intracellular Calcium Increases and Amylase Secretion in Isolated Rat Pancreatic Acinar Cells. <i>Cellular Signalling</i> , 1999, 11, 727-734.	3.6	11
85	Vanadate inhibits the calcium extrusion in rat pancreatic acinar cells. <i>Cellular Signalling</i> , 2001, 13, 451-456.	3.6	11
86	Dietary virgin olive oil enhances secretagogue-evoked calcium signaling in rat pancreatic acinar cells. <i>Nutrition</i> , 2004, 20, 536-541.	2.4	10
87	Alterations in intracellular calcium homeostasis and platelet aggregation induced by ethanol. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 917-924.	2.1	10
88	Effects of ageing on morphology, amylase release, cytosolic Ca <sup>2+</sup> -signals and acyl lipids in isolated rat parotid gland tissue. <i>Molecular and Cellular Biochemistry</i> , 2004, 266, 199-208.	3.1	9
89	Effect of hydrogen peroxide on secretory response, calcium mobilisation and caspase-3 activity in the isolated rat parotid gland. <i>Molecular and Cellular Biochemistry</i> , 2008, 319, 23-31.	3.1	9
90	FMLP-, thapsigargin-, and H <sub>2</sub> O <sub>2</sub> -evoked changes in intracellular free calcium concentration in lymphocytes and neutrophils of type 2 diabetic patients. <i>Molecular and Cellular Biochemistry</i> , 2014, 387, 251-260.	3.1	9

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91	Melatonin diminishes oxidative damage in sperm cells,improving assisted reproductive techniques. Turkish Journal of Biology, 2017, 41, 881-889.	0.8	9
92	Influence of ligand lipophilicity in Pt(II) complexes on their antiproliferative and apoptotic activities in tumour cell lines. Journal of Inorganic Biochemistry, 2022, 227, 111688.	3.5	8
93	Editorial: Involvements of TRP Channels and Oxidative Stress in Pain. Frontiers in Physiology, 2018, 9, 1084.	2.8	6
94	Synthesis, Characterization and Antiproliferative Evaluation of Pt(II) and Pd(II) Complexes with a Thiazine-Pyridine Derivative Ligand. Pharmaceuticals, 2021, 14, 395.	3.8	6
95	Role of intracellular calcium on hydrogen peroxide-induced apoptosis in rat pancreatic acinar AR42J cells. Journal of Applied Biomedicine, 2008, 6, 211-224.	1.7	6
96	Effect of xanthine oxidase-catalyzed reactive oxygen species generation on secretagogue-evoked calcium mobilization in mouse pancreatic acinar cells. Abbreviations: ACh, acetylcholine; Ca <sup>2+</sup> , calcium; [Ca <sup>2+</sup> ] <sub>i</sub> , intracellular free calcium concentration; CCK-8, cholecystokinin octapeptide; DAG, diacylglycerol; IP <sub>3</sub> , inositol 1,4,5-trisphosphate; PIP <sub>2</sub> , phosphatidylinositol 4,5-bisphosphate; PLC, phospholipase C; ROS, reactive oxygen species; SERCA, sarco/endoplasmic reticulum Ca <sup>2+</sup> ATPase; TPS, thapsigargin; and. Biochemical Pharmacology, 2001, 62, 1621-1627.	4.4	5
97	Effect of Insulin on Acetylcholine-Evoked Amylase Release and Calcium Mobilization in Streptozotocin-Induced Diabetic Rat Pancreatic Acinar Cells. Annals of the New York Academy of Sciences, 2006, 1084, 58-70.	3.8	5
98	Effect of dephostatin on intracellular free calcium concentration and amylase secretion in isolated rat pancreatic acinar cells. Molecular and Cellular Biochemistry, 2000, 205, 163-169.	3.1	4
99	Involvement of ryanodine-operated channels in tert-butylhydroperoxide-evoked Ca <sup>2+</sup> mobilisation in pancreatic acinar cells. Journal of Experimental Biology, 2006, 209, 2156-2164.	1.7	4
100	Oral melatonin administration and programmed cell death of neutrophils, lymphocytes, and other cell types from rats injected with HL-60 cells. Journal of Applied Biomedicine, 2011, 9, 197-207.	1.7	4
101	Interaction of islet hormones with cholecystokinin octapeptide-evoked secretory responses in the isolated pancreas of normal and diabetic rats. Experimental Physiology, 1999, 84, 299-318.	2.0	2
102	Magnesium calcium signalling in rat parotid acinar cells: effects of acetylcholine. Molecular and Cellular Biochemistry, 2007, 307, 193-207.	3.1	2
103	Effects of Olive Oil on Fatty Acid Composition of Pancreatic Cell Membranes. , 2010, , 1185-1194.		0
104	Effects of virgin olive oil on fatty acid composition of pancreatic cell membranes: modulation of acinar cell function and signaling, and cell injury. , 2021, , 569-580.		0