

Francisco R M Laurindo

List of Publications by Year in descending order

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80
papers

4,372
citations

117619

34
h-index

110368

64
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81
all docs

81
docs citations

81
times ranked

6681
citing authors

#	ARTICLE	IF	CITATIONS
1	PDIA1 acts as master organizer of NOX1/NOX4 balance and phenotype response in vascular smooth muscle. <i>Free Radical Biology and Medicine</i> , 2021, 162, 603-614.	2.9	14
2	N-acetylcysteine supplementation remodels thiol-related biochemical pathways towards decreased oxidation in diabetic submandibular glands. <i>Research, Society and Development</i> , 2021, 10, e14510313169.	0.1	0
3	Peri/Epicellular Thiol Oxidoreductases as Mediators of Extracellular Redox Signaling. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 280-307.	5.4	21
4	ADAM17 cytoplasmic domain modulates Thioredoxin-1 conformation and activity. <i>Redox Biology</i> , 2020, 37, 101735.	9.0	6
5	Mice born to females with oocyte-specific deletion of mitofusin 2 have increased weight gain and impaired glucose homeostasis. <i>Molecular Human Reproduction</i> , 2020, 26, 938-952.	2.8	5
6	Shear stress-exposed pulmonary artery endothelial cells fail to upregulate HSP70 in chronic thromboembolic pulmonary hypertension. <i>PLoS ONE</i> , 2020, 15, e0242960.	2.5	8
7	Hyperbaric oxygenation improves redox control and reduces mortality in the acute phase of myocardial infarction in a rat model. <i>Molecular Medicine Reports</i> , 2020, 21, 1431-1438.	2.4	9
8	Title is missing!. , 2020, 15, e0242960.		0
9	Title is missing!. , 2020, 15, e0242960.		0
10	Title is missing!. , 2020, 15, e0242960.		0
11	Title is missing!. , 2020, 15, e0242960.		0
12	Imbalance between nitric oxide and superoxide anion induced by uncoupled nitric oxide synthase contributes to human melanoma development. <i>International Journal of Biochemistry and Cell Biology</i> , 2019, 115, 105592.	2.8	12
13	Mitochondrial morphology regulates organellar Ca ²⁺ uptake and changes cellular Ca ²⁺ homeostasis. <i>FASEB Journal</i> , 2019, 33, 13176-13188.	0.5	90
14	Protein Disulfide Isomerase Modulates the Activation of Thyroid Hormone Receptors. <i>Frontiers in Endocrinology</i> , 2019, 9, 784.	3.5	6
15	Cell-surface HSP70 associates with thrombomodulin in endothelial cells. <i>Cell Stress and Chaperones</i> , 2019, 24, 273-282.	2.9	8
16	Peri/epicellular protein disulfide isomerase-A1 acts as an upstream organizer of cytoskeletal mechanoadaptation in vascular smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H566-H579.	3.2	16
17	Redox stress in Marfan syndrome: Dissecting the role of the NADPH oxidase NOX4 in aortic aneurysm. <i>Free Radical Biology and Medicine</i> , 2018, 118, 44-58.	2.9	57
18	Thioredoxin-1 Negatively Modulates ADAM17 Activity Through Direct Binding and Indirect Reductive Activity. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 717-734.	5.4	9

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19	The Eye of the Needle. Hypertension, 2018, 71, 224-226.	2.7	7
20	Peroxynitrite preferentially oxidizes the dithiol redox motifs of protein-disulfide isomerase. Journal of Biological Chemistry, 2018, 293, 1450-1465.	3.4	20
21	Implications of plasma thiol redox in disease. Clinical Science, 2018, 132, 1257-1280.	4.3	84
22	Vascular remodeling: A redox-modulated mechanism of vessel caliber regulation. Free Radical Biology and Medicine, 2017, 109, 11-21.	2.9	34
23	Golgi-independent routes support protein disulfide isomerase externalization in vascular smooth muscle cells. Redox Biology, 2017, 12, 1004-1010.	9.0	15
24	Nitroarachidonic acid (NO ₂ AA) inhibits protein disulfide isomerase (PDI) through reversible covalent adduct formation with critical cysteines. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1131-1139.	2.4	19
25	Protein disulfide isomerase externalization in endothelial cells follows classical and unconventional routes. Free Radical Biology and Medicine, 2017, 103, 199-208.	2.9	33
26	Cardioprotective Effects of Melatonin in Reperfusion Injury. Arquivos Brasileiros De Cardiologia, 2017, 110, 5-6.	0.8	0
27	Peri/Epicellular Protein Disulfide Isomerase Sustains Vascular Lumen Caliber Through an Anticonstrictive Remodeling Effect. Hypertension, 2016, 67, 613-622.	2.7	34
28	Transit of H ₂ O ₂ across the endoplasmic reticulum membrane is not sluggish. Free Radical Biology and Medicine, 2016, 94, 157-160.	2.9	48
29	Testosterone induces leucocyte migration by NADPH oxidase-driven ROS- and COX2-dependent mechanisms. Clinical Science, 2015, 129, 39-48.	4.3	40
30	Influence of N-Acetylcysteine on Oxidative Stress in Slow-Twitch Soleus Muscle of Heart Failure Rats. Cellular Physiology and Biochemistry, 2015, 35, 148-159.	1.6	35
31	Chemiluminescence and the Nox1-Nox2-Nox4 Triple Knockout. Antioxidants and Redox Signaling, 2015, 23, 1246-1247.	5.4	1
32	Methods of measuring protein disulfide isomerase activity: a critical overview. Frontiers in Chemistry, 2014, 2, 73.	3.6	31
33	Nox NADPH Oxidases and the Endoplasmic Reticulum. Antioxidants and Redox Signaling, 2014, 20, 2755-2775.	5.4	152
34	Oxidation, inactivation and aggregation of protein disulfide isomerase promoted by the bicarbonate-dependent peroxidase activity of human superoxide dismutase. Archives of Biochemistry and Biophysics, 2014, 557, 72-81.	3.0	9
35	Protein Disulfide Isomerase Is Required for Platelet-derived Growth Factor-induced Vascular Smooth Muscle Cell Migration, Nox1 NADPH Oxidase Expression, and RhoGTPase Activation. Journal of Biological Chemistry, 2012, 287, 29290-29300.	3.4	65
36	Identification of Novel Interaction between ADAM17 (a Disintegrin and Metalloprotease 17) and Thioredoxin-1. Journal of Biological Chemistry, 2012, 287, 43071-43082.	3.4	33

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37	Nitroglycerin drives endothelial nitric oxide synthase activation via the phosphatidylinositol 3-kinase/protein kinase B pathway. <i>Free Radical Biology and Medicine</i> , 2012, 52, 427-435.	2.9	24
38	Physiological and pathological role of the ubiquitin-proteasome system in the vascular smooth muscle cell. <i>Cardiovascular Research</i> , 2012, 95, 183-193.	3.8	40
39	Calorie restriction increases cerebral mitochondrial respiratory capacity in a NO α -mediated mechanism: Impact on neuronal survival. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1236-1241.	2.9	54
40	Protein disulfide isomerase in redox cell signaling and homeostasis. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1954-1969.	2.9	203
41	Serum from Calorie-Restricted Rats Activates Vascular Cell eNOS through Enhanced Insulin Signaling Mediated by Adiponectin. <i>PLoS ONE</i> , 2012, 7, e31155.	2.5	17
42	Antioxidant Activity of Uruguayan Propolis. In Vitro and Cellular Assays. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 6430-6437.	5.2	45
43	Protein Disulfide Isomerase and Host-Pathogen Interaction. <i>Scientific World Journal, The</i> , 2011, 11, 1749-1761.	2.1	53
44	Blood Meal-Derived Heme Decreases ROS Levels in the Midgut of <i>Aedes aegypti</i> and Allows Proliferation of Intestinal Microbiota. <i>PLoS Pathogens</i> , 2011, 7, e1001320.	4.7	272
45	Proteasome Inhibition Represses Unfolded Protein Response and Nox4, Sensitizing Vascular Cells to Endoplasmic Reticulum Stress-Induced Death. <i>PLoS ONE</i> , 2011, 6, e14591.	2.5	35
46	Mild Mitochondrial Uncoupling and Calorie Restriction Increase Fasting eNOS, Akt and Mitochondrial Biogenesis. <i>PLoS ONE</i> , 2011, 6, e18433.	2.5	71
47	Effects of High Adherence to Mediterranean or Low-Fat Diets in Medicated Secondary Prevention Patients. <i>American Journal of Cardiology</i> , 2011, 108, 1523-1529.	1.6	60
48	Protein disulfide isomerase redox-dependent association with p47phox: evidence for an organizer role in leukocyte NADPH oxidase activation. <i>Journal of Leukocyte Biology</i> , 2011, 90, 799-810.	3.3	77
49	Tobacco Smoke Induces Ventricular Remodeling Associated with an Increase in NADPH Oxidase Activity. <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 305-312.	1.6	38
50	A histopathological comparison of different definitions for quantifying in-stent neointimal tissue: implications for the validity of intracoronary ultrasound and optical coherence tomography measurements. <i>Cardiovascular Diagnosis and Therapy</i> , 2011, 1, 3-10.	1.7	6
51	LOSS OF CD40 ENDOGENOUS S-NITROSYLATION DURING INFLAMMATORY RESPONSE IN ENDOTOXEMIC MICE AND PATIENTS WITH SEPSIS. <i>Shock</i> , 2010, 33, 626-633.	2.1	18
52	Chronic hyperhomocysteinemia impairs vascular function in ovariectomized rat carotid arteries. <i>Amino Acids</i> , 2010, 38, 1515-1522.	2.7	13
53	Adult rats are more sensitive to the vascular effects induced by hyperhomocysteinemia than young rats. <i>Vascular Pharmacology</i> , 2010, 53, 99-106.	2.1	3
54	Protein disulfide isomerase (PDI) associates with NADPH oxidase and is required for phagocytosis of <i>Leishmania chagasi</i> promastigotes by macrophages. <i>Journal of Leukocyte Biology</i> , 2009, 86, 989-998.	3.3	96

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55	Mechanisms and Implications of Reactive Oxygen Species Generation During the Unfolded Protein Response: Roles of Endoplasmic Reticulum Oxidoreductases, Mitochondrial Electron Transport, and NADPH Oxidase. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 2409-2427.	5.4	489
56	Cross-Talk Between Mitochondria and NADPH Oxidase: Effects of Mild Mitochondrial Dysfunction on Angiotensin II-Mediated Increase in Nox Isoform Expression and Activity in Vascular Smooth Muscle Cells. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 1265-1278.	5.4	120
57	Assessment of Superoxide Production and NADPH Oxidase Activity by HPLC Analysis of Dihydroethidium Oxidation Products. <i>Methods in Enzymology</i> , 2008, 441, 237-260.	1.0	93
58	Novel Role of Protein Disulfide Isomerase in the Regulation of NADPH Oxidase Activity: Pathophysiological Implications in Vascular Diseases. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 1101-1114.	5.4	76
59	Prevention and Reversion of Nonalcoholic Steatohepatitis in OB/OB Mice by S-Nitroso-N-Acetylcysteine Treatment. <i>Journal of the American College of Nutrition</i> , 2008, 27, 299-305.	1.8	31
60	Constitutive nitric oxide synthase activation is a significant route for nitroglycerin-mediated vasodilation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8569-8574.	7.1	37
61	Oxidant Generation Predominates Around Calcifying Foci and Enhances Progression of Aortic Valve Calcification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 463-470.	2.4	182
62	Angiotensin II Chronic Infusion Induces B1 Receptor Expression in Aorta of Rats. <i>Hypertension</i> , 2007, 50, 756-761.	2.7	36
63	Stent coronário de liga cobalto-cromo concebido no Brasil: achados histológicos preliminares em modelo experimental porcino. <i>Revista Brasileira De Cardiologia Invasiva</i> , 2007, 15, 378-385.	0.1	12
64	Oral administration of S-nitroso-N-acetylcysteine prevents the onset of non alcoholic fatty liver disease in rats. <i>World Journal of Gastroenterology</i> , 2006, 12, 1905.	3.3	33
65	Ischemic preconditioning requires increases in reactive oxygen release independent of mitochondrial K ⁺ channel activity. <i>Free Radical Biology and Medicine</i> , 2006, 40, 469-479.	2.9	61
66	Regulation of NAD(P)H Oxidase by Associated Protein Disulfide Isomerase in Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 40813-40819.	3.4	196
67	Platelet-derived exosomes of septic individuals possess proapoptotic NAD(P)H oxidase activity: A novel vascular redox pathway*. <i>Critical Care Medicine</i> , 2004, 32, 818-825.	0.9	306
68	Renal effects of N-acetylcysteine in patients at risk for contrast nephropathy: decrease in oxidant stress-mediated renal tubular injury. <i>Nephrology Dialysis Transplantation</i> , 2004, 19, 1803-1807.	0.7	133
69	Ursodeoxycholic Acid Ameliorates Experimental Ileitis Counteracting Intestinal Barrier Dysfunction and Oxidative Stress. <i>Digestive Diseases and Sciences</i> , 2004, 49, 1569-1574.	2.3	34
70	Redox Processes Underlying the Vascular Repair Reaction. <i>World Journal of Surgery</i> , 2004, 28, 331-336.	1.6	30
71	Functional Role of NADPH Oxidase in Activation of Platelets. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 691-698.	5.4	87
72	Ten-year clinical laboratory follow-up after application of a symptom-based therapeutic strategy to patients with severe chronic aortic regurgitation of predominant rheumatic etiology. <i>Journal of the American College of Cardiology</i> , 2003, 41, 1316-1324.	2.8	86

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73	Sustained Decrease in Superoxide Dismutase Activity Underlies Constrictive Remodeling After Balloon Injury in Rabbits. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 2197-2202.	2.4	64
74	Protective effect of ascorbic acid in experimental gastric cancer: reduction of oxidative stress. <i>World Journal of Gastroenterology</i> , 2003, 9, 446.	3.3	66
75	Overestimation of verestimation of NADH-driven vascular oxidase activity due to lucigenin artifacts. <i>Free Radical Biology and Medicine</i> , 2002, 32, 446-453.	2.9	65
76	L-Arginine effects on blood pressure and renal function of intrauterine restricted rats. <i>Pediatric Nephrology</i> , 2002, 17, 856-862.	1.7	33
77	NADPH-oxidase activity and lipid peroxidation in neutrophils from rats fed fat-rich diets. , 1999, 17, 57-64.		22
78	Effects of a Single Heparin Bolus on Neointimal Growth After Arterial Injury in Intact Rabbits. <i>Angiology</i> , 1996, 47, 549-556.	1.8	8
79	Cardiovascular effects of platelet-activating factor. <i>Lipids</i> , 1991, 26, 1250-1256.	1.7	19
80	Inhibition of eicosanoidâ€mediated coronary constriction during myocardial ischemia ¹. <i>FASEB Journal</i> , 1988, 2, 2479-2486.	0.5	7