VerÃ³nica Guarner-Lans

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3667268/publications.pdf

Version: 2024-02-01

81 papers	1,736 citations	279487 23 h-index	315357 38 g-index
86 all docs	86 docs citations	86 times ranked	2761 citing authors

#	Article	IF	Citations
1	Oxidative Stress, Plant Natural Antioxidants, and Obesity. International Journal of Molecular Sciences, 2021, 22, 1786.	1.8	163
2	Reductive Stress in Inflammation-Associated Diseases and the Pro-Oxidant Effect of Antioxidant Agents. International Journal of Molecular Sciences, 2017, 18, 2098.	1.8	150
3	Mechanisms Underlying Metabolic Syndrome-Related Sarcopenia and Possible Therapeutic Measures. International Journal of Molecular Sciences, 2019, 20, 647.	1.8	90
4	Relation of aging and sex hormones to metabolic syndrome and cardiovascular disease. Experimental Gerontology, 2011, 46, 517-523.	1.2	77
5	Aging in blood vessels. Medicinal agents FOR systemic arterial hypertension in the elderly. Ageing Research Reviews, 2014, 18, 132-147.	5.0	61
6	Nitrosative Stress and Its Association with Cardiometabolic Disorders. Molecules, 2020, 25, 2555.	1.7	61
7	Is Antioxidant Therapy a Useful Complementary Measure for Covid-19 Treatment? An Algorithm for Its Application. Medicina (Lithuania), 2020, 56, 386.	0.8	56
8	Beneficial Effects of the Amino Acid Glycine. Mini-Reviews in Medicinal Chemistry, 2016, 17, 15-32.	1.1	54
9	Resveratrol and Quercetin Administration Improves Antioxidant DEFENSES and reduces Fatty Liver in Metabolic Syndrome Rats. Molecules, 2019, 24, 1297.	1.7	49
10	Antioxidants and pentoxifylline as coadjuvant measures to standard therapy to improve prognosis of patients with pneumonia by COVID-19. Computational and Structural Biotechnology Journal, 2021, 19, 1379-1390.	1.9	45
11	Analysis of Oxidative Stress Enzymes and Structural and Functional Proteins on Human Aortic Tissue from Different Aortopathies. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-13.	1.9	42
12	Epigenetic Programming of Synthesis, Release, and/or Receptor Expression of Common Mediators Participating in the Risk/Resilience for Comorbid Stress-Related Disorders and Coronary Artery Disease. International Journal of Molecular Sciences, 2018, 19, 1224.	1.8	41
13	The Effect of Resveratrol and Quercetin Treatment on PPAR Mediated Uncoupling Protein (UCP-) 1, 2, and 3 Expression in Visceral White Adipose Tissue from Metabolic Syndrome Rats. International Journal of Molecular Sciences, 2016, 17, 1069.	1.8	40
14	The Combination of Resveratrol and Quercetin Attenuates Metabolic Syndrome in Rats by Modifying the Serum Fatty Acid Composition and by Upregulating SIRT 1 and SIRT 2 Expression in White Adipose Tissue. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-9.	0.5	39
15	Sex Steroid Hormones, Cardiovascular Diseases and The Metabolic Syndrome. Cardiovascular and Hematological Agents in Medicinal Chemistry, 2011, 9, 137-146.	0.4	32
16	Alteration in the Lipid Profile and the Desaturases Activity in Patients With Severe Pneumonia by SARS-CoV-2. Frontiers in Physiology, 2021, 12, 667024.	1.3	32
17	An Evolutionary Perspective of Nutrition and Inflammation as Mechanisms of Cardiovascular Disease. International Journal of Evolutionary Biology, 2015, 2015, 1-10.	1.0	30
18	Effect of the Aged Garlic Extract on Cardiovascular Function in Metabolic Syndrome Rats. Molecules, 2016, 21, 1425.	1.7	30

#	Article	IF	Citations
19	Usefulness of Antioxidants as Adjuvant Therapy for Septic Shock: A Randomized Clinical Trial. Medicina (Lithuania), 2020, 56, 619.	0.8	29
20	Angiotensin II and 1-7 during aging in Metabolic Syndrome rats. Expression of AT1, AT2 and Mas receptors in abdominal white adipose tissue. Peptides, 2014, 57, 101-108.	1.2	28
21	Early Programming of Adult Systemic Essential Hypertension. International Journal of Molecular Sciences, 2020, 21, 1203.	1.8	28
22	Polymorphisms C677T and A1298C of MTHFR Gene: Homocysteine Levels and Prothrombotic Biomarkers in Coronary and Pulmonary Thromboembolic Disease. Clinical and Applied Thrombosis/Hemostasis, 2019, 25, 107602961878034.	0.7	27
23	Modulation of the Activities of Catalase, Cu-Zn, Mn Superoxide Dismutase, and Glutathione Peroxidase in Adipocyte from Ovariectomised Female Rats with Metabolic Syndrome. International Journal of Endocrinology, 2014, 2014, 1-10.	0.6	25
24	Oxidant/Antioxidant Profile in the Thoracic Aneurysm of Patients with the Loeys-Dietz Syndrome. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-17.	1.9	24
25	Hyperglycemia and Loss of Redox Homeostasis in COVID-19 Patients. Cells, 2022, 11, 932.	1.8	22
26	Glutathione system participation in thoracic aneurysms from patients with Marfan syndrome. Vasa - European Journal of Vascular Medicine, 2017, 46, 177-186.	0.6	21
27	Effect of age on insulin-induced endothelin release and vasoreactivity in hypertriglyceridemic and hypertensive rats. Experimental Gerontology, 2006, 41, 282-288.	1.2	20
28	Fenofibrate Therapy Restores Antioxidant Protection and Improves Myocardial Insulin Resistance in a Rat Model of Metabolic Syndrome and Myocardial Ischemia: The Role of Angiotensin II. Molecules, 2017, 22, 31.	1.7	20
29	Medicinal Agents and Metabolic Syndrome. Current Medicinal Chemistry, 2013, 20, 2626-2640.	1.2	19
30	Participation of oleic acid in the formation of the aortic aneurysm in Marfan syndrome patients. Prostaglandins and Other Lipid Mediators, 2016, 123, 46-55.	1.0	18
31	Infusion ofHibiscus sabdariffa L.Modulates Oxidative Stress in Patients with Marfan Syndrome. Mediators of Inflammation, 2016, 2016, 1-12.	1.4	17
32	Sex Hormones, Metabolic Syndrome and Kidney. Current Topics in Medicinal Chemistry, 2011, 11, 1694-1705.	1.0	16
33	Participation of Arachidonic Acid Metabolism in the Aortic Aneurysm Formation in Patients with Marfan Syndrome. Frontiers in Physiology, 2018, 9, 77.	1.3	16
34	Glycation does not modify bovine serum albumin (BSA)-induced reduction of rat aortic relaxation: The response to glycated and nonglycated BSA is lost in metabolic syndrome. Glycobiology, 2008, 18, 517-525.	1.3	15
35	Importance of Metabolic Memory in the Development of Vascular Complications in Diabetic Patients. Journal of Cardiothoracic and Vascular Anesthesia, 2016, 30, 1369-1378.	0.6	15
36	Endothelin-1 and functional tissue factor: a possible relationship with severity in primary pulmonary hypertension. Heart and Vessels, 2003, 18, 12-17.	0.5	14

#	Article	IF	Citations
37	Intra-Abdominal Fat Adipocyte Hypertrophy through a Progressive Alteration of Lipolysis and Lipogenesis in Metabolic Syndrome Rats. Nutrients, 2019, 11, 1529.	1.7	14
38	The Role of the Activation of the TRPV1 Receptor and of Nitric Oxide in Changes in Endothelial and Cardiac Function and Biomarker Levels in Hypertensive Rats. International Journal of Environmental Research and Public Health, 2019, 16, 3576.	1.2	14
39	Myocardial Protection from Ischemia-Reperfusion Damage by the Antioxidant Effect ofHibiscus sabdariffa Linnaeuson Metabolic Syndrome Rats. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13.	1.9	14
40	The kidnapping of mitochondrial function associated with the SARS-CoV-2 infection. Histology and Histopathology, 2021, , 18354.	0.5	14
41	Short-Term Exposure to High Sucrose Levels near Weaning Has a Similar Long-Lasting Effect on Hypertension as a Long-Term Exposure in Rats. Nutrients, 2018, 10, 728.	1.7	13
42	Non-steroidal anti-inflammatory drugs attenuate the vascular responses in aging metabolic syndrome rats. Acta Pharmacologica Sinica, 2014, 35, 1364-1374.	2.8	12
43	Oxidative, Reductive, and Nitrosative Stress Effects on Epigenetics and on Posttranslational Modification of Enzymes in Cardiometabolic Diseases. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-19.	1.9	12
44	Effect of a Resveratrol/Quercetin Mixture on the Reversion of Hypertension Induced by a Short-Term Exposure to High Sucrose Levels Near Weaning and a Long-Term Exposure That Leads to Metabolic Syndrome in Rats. International Journal of Molecular Sciences, 2020, 21, 2231.	1.8	12
45	Insulin effect on glucose transport in thymocytes and splenocytes from rats with metabolic syndrome. Diabetology and Metabolic Syndrome, 2010, 2, 64.	1.2	11
46	Effect of Cross-Sex Hormonal Replacement on Antioxidant Enzymes in Rat Retroperitoneal Fat Adipocytes. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-12.	1.9	10
47	Effect of oophorosalpingo-hysterectomy on serum antioxidant enzymes in female dogs. Scientific Reports, 2019, 9, 9674.	1.6	10
48	Modulation of Renal Function in a Metabolic Syndrome Rat Model by Antioxidants in Hibiscus sabdariffa L.. Molecules, 2021, 26, 2074.	1.7	10
49	Resveratrol and Quercetin as Regulators of Inflammatory and Purinergic Receptors to Attenuate Liver Damage Associated to Metabolic Syndrome. International Journal of Molecular Sciences, 2021, 22, 8939.	1.8	10
50	Epigenetics of Subcellular Structure Functioning in the Origin of Risk or Resilience to Comorbidity of Neuropsychiatric and Cardiometabolic Disorders. International Journal of Molecular Sciences, 2018, 19, 1456.	1.8	9
51	Effect of Sucrose Ingestion at the End of a Critical Window that Increases Hypertension Susceptibility on Peripheral Mechanisms Regulating Blood Pressure in Rats. Role of Sirtuins 1 and 3. Nutrients, 2019, 11, 309.	1.7	8
52	Interconnection between Cardiac Cachexia and Heart Failureâ€"Protective Role of Cardiac Obesity. Cells, 2022, 11, 1039.	1.8	8
53	Pre- and post-surgical evaluation of the inflammatory response in patients with aortic stenosis treated with different types of prosthesis. BMC Cardiovascular Disorders, 2017, 17, 100.	0.7	7
54	Beneficial Effects of Fructooligosaccharides Esterified with Lauric Acid in a Metabolic Syndrome Model Induced by a High-Fat and High-Carbohydrate Diet in Wistar Rats. Journal of Medicinal Food, 2022, 25, 828-835.	0.8	7

#	Article	IF	Citations
55	Effect of Glucose and Fatty Acid Availability on Neonatal and Adult Heart Contractility. Neonatology, 2002, 82, 39-45.	0.9	6
56	Effects of polarizing solution on glucose uptake of rat oxygenated or hypoxic ventricular myocytes. Clinical and Experimental Pharmacology and Physiology, 2003, 30, 64-71.	0.9	6
57	17Î²Estradiol Modulates Perfusion Pressure and Expression of 5-LOX and CYP450 4A in the Isolated Kidney of Metabolic Syndrome Female Rats. International Journal of Endocrinology, 2015, 2015, 1-11.	0.6	6
58	Atrial septal defect closure with the new Cardia Ultrasept IIâ„¢ device with interposed Goretex patch: Mexican experience â€“ has the perforation of Ivalonâ€™s membrane been solved?. Cardiology in the Young, 2018, 28, 709-714.	0.4	6
59	Participation of glucose transporters on atrial natriuretic peptide-induced glucose uptake by adult and neonatal cardiomyocytes under oxygenation and hypoxia. European Journal of Pharmacology, 2007, 568, 83-88.	1.7	5
60	Comparison of the amount and patterns of late enhancement in Chagas disease according to the presence and type of ventricular tachycardia. Journal of Cardiovascular Electrophysiology, 2019, 30, 1517-1525.	0.8	5
61	Coronary and femoral arterial contraction with high glucose, insulin, and glucose-insulin-potassium solution: effects of hypoxia. Heart and Vessels, 2002, 16, 57-63.	0.5	4
62	Temperature effect on contractile activity of the Ambystoma dumerilii heart previously treated with isoproterenol. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 147, 743-749.	0.8	4
63	Modulation of Oxidative Stress in Fatty Liver of Rat with Metabolic Syndrome by Hibiscus Sabdariffa. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2013, 13, 196-205.	0.5	4
64	Oxidative Stress in Plasma from Patients with Marfan Syndrome Is Modulated by Deodorized Garlic Preliminary Findings. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-10.	1.9	4
65	TRPV1 Contributes to Modulate the Nitric Oxide Pathway and Oxidative Stress in the Isolated and Perfused Rat Heart during Ischemia and Reperfusion. Molecules, 2022, 27, 1031.	1.7	4
66	Aortic vasoreactivity during a postnatal critical window of the pancreas in rats. Heart and Vessels, 2010, 25, 248-253.	0.5	3
67	Age-, Gender-, and in Vivo Different Doses of Isoproterenol Modify in Vitro Aortic Vasoreactivity and Circulating VCAM-1. Frontiers in Physiology, 2018, 9, 20.	1.3	3
68	Preliminary analysis of the association of TRPV1 to the formation of Marfan syndrome aneurysms. Histology and Histopathology, 2019, 34, 1329-1343.	0.5	3
69	Effects of alpha adrenergic stimulation on time independent potassium current of isolated ventricular myocytes. Life Sciences, 1995, 56, 1407-1414.	2.0	2
70	Changes in Angiotensin Receptor Distribution and in Aortic Morphology Are Associated with Blood Pressure Control in Aged Metabolic Syndrome Rats. International Journal of Hypertension, 2016, 2016, 1-11.	0.5	2
71	Vascular Hyperactivity in the Rat Renal Aorta Participates in the Association between Immune Complex-Mediated Glomerulonephritis and Systemic Hypertension. International Journal of Environmental Research and Public Health, 2018, 15, 1164.	1.2	2
72	GCSF Partially Repairs Heart Damage Induced by Repetitive Î²-adrenergic Stimulation in Mice: Potential Role of the Mobilized Bone Marrow-derived Cells. International Journal of Pharmacology, 2016, 12, 689-700.	0.1	2

#	Article	IF	Citations
73	Alteration of the Fatty Acid Metabolism in the Rat Kidney Caused by the Injection of Serum from Patients with Collapsing Glomerulopathy. Biomedicines, 2020, 8, 388.	1.4	2
74	Role of the Transient Receptor Potential Vanilloid Type 1 (TRPV1) in the Regulation of Nitric Oxide Release in Wistar Rat Aorta. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-8.	1.9	1
75	High Sucrose Ingestion during a Critical Period of Vessel Development Promotes the Synthetic Phenotype of Vascular Smooth Muscle Cells and Modifies Vascular Contractility Leading to Hypertension in Adult Rats. International Journal of Hypertension, 2022, 2022, 1-12.	0.5	1
76	PM091 Structural Changes in the Left Ventricle Induced by High Sucrose Ingestion in Rats. Partial Prevention or Reversal by Exercise. , 2016, 11, e86.		0
77	Correlation Between Cardiac Computed Tomography and Histopathology for Evaluating Patients with Aortic Valve Disease. Academic Radiology, 2021, , .	1.3	0
78	AB0655â€…Agreement between 18-fdg pet/ct and clinimetric takayasu activity scores. , 2018, , .		0
79	Report of a Case of Thrombocitopenic Syndrome with Radius Aplasia with a 16 Year Follow up in Celaya, Mexico, and Review of Literature. Journal of Pediatrics Perinatology and Child Health, 2019, 03, .	0.0	0
80	Historical review of the Department of Physiology on the 75th anniversary of the Instituto Nacional de CardiologÃa â€œIgnacio ChÃ¡vezâ€• Archivos De Cardiologï¿½a De Mï¿½xico (English Ed Internet), 2020, 90, 199-204.	0.1	0
81	ReseÃ±a histÃ³rica del Departamento de FisiologÃa en el 75 aniversario del Instituto Nacional de CardiologÃa â€œIgnacio ChÃ¡vezâ€• Archivos De Cardiologia De Mexico, 2020, 90, 216-221.	0.1	0