

Milagros Rocha

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119 papers	4,010 citations	37 h-index	58 g-index
127 ext. papers	4,726 ext. citations	5.3 avg, IF	5.37 L-index

#	Paper	IF	Citations
119	The Role of Mitochondrial Dynamic Dysfunction in Age-Associated Type 2 Diabetes.. <i>World Journal of Men's Health</i> , 2022 ,	6.8	2
118	Metformin modulates mitochondrial function and mitophagy in peripheral blood mononuclear cells from type 2 diabetic patients. <i>Redox Biology</i> , 2022 , 102342	11.3	1
117	Characterization of Differentially Expressed Circulating miRNAs in Metabolically Healthy versus Unhealthy Obesity. <i>Biomedicines</i> , 2021 , 9,	4.8	2
116	MicroRNAs and Oxidative Stress: An Intriguing Crosstalk to Be Exploited in the Management of Type 2 Diabetes. <i>Antioxidants</i> , 2021 , 10,	7.1	4
115	Testosterone administration increases leukocyte-endothelium interactions and inflammation in transgender men. <i>Fertility and Sterility</i> , 2021 , 115, 483-489	4.8	2
114	Therapeutic implications of targeting antioxidants to mitochondria 2021 , 459-475		
113	Does Empagliflozin Modulate Leukocyte-Endothelium Interactions, Oxidative Stress, and Inflammation in Type 2 Diabetes?. <i>Antioxidants</i> , 2021 , 10,	7.1	4
112	Relationship between PMN-endothelium interactions, ROS production and Beclin-1 in type 2 diabetes. <i>Redox Biology</i> , 2020 , 34, 101563	11.3	4
111	Mechanisms of action of metformin in type 2 diabetes: Effects on mitochondria and leukocyte-endothelium interactions. <i>Redox Biology</i> , 2020 , 34, 101517	11.3	41
110	Association between Periodontal Diseases and Polycystic Ovary Syndrome: A Systematic Review. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	3
109	Mitochondria and T2D: Role of Autophagy, ER Stress, and Inflammasome. <i>Trends in Endocrinology and Metabolism</i> , 2020 , 31, 725-741	8.8	37
108	Systemic Oxidative Stress and Visceral Adipose Tissue Mediators of NLRP3 Inflammasome and Autophagy Are Reduced in Obese Type 2 Diabetic Patients Treated with Metformin. <i>Antioxidants</i> , 2020 , 9,	7.1	7
107	Mitochondrial Alterations and Enhanced Human Leukocyte/Endothelial Cell Interactions in Type 1 Diabetes. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	1
106	Effect of Non-Surgical Periodontal Treatment on Oxidative Stress Markers in Leukocytes and Their Interaction with the Endothelium in Obese Subjects with Periodontitis: A Pilot Study. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	4
105	Association between Proinflammatory Markers, Leukocyte-Endothelium Interactions, and Carotid Intima-Media Thickness in Type 2 Diabetes: Role of Glycemic Control. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	3
104	Microbiota-Mitochondria Inter-Talk: A Potential Therapeutic Strategy in Obesity and Type 2 Diabetes. <i>Antioxidants</i> , 2020 , 9,	7.1	12
103	Phytosterols: Nutritional Health Players in the Management of Obesity and Its Related Disorders. <i>Antioxidants</i> , 2020 , 9,	7.1	20

102	Relationship Between Oxidative Stress, ER Stress, and Inflammation in Type 2 Diabetes: The Battle Continues. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	145
101	The Mitochondrial Antioxidant SS-31 Modulates Oxidative Stress, Endoplasmic Reticulum Stress, and Autophagy in Type 2 Diabetes. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	12
100	Does Glycemic Control Modulate the Impairment of NLRP3 Inflammasome Activation in Type 2 Diabetes?. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 232-240	8.4	13
99	Metformin induces lipid changes on sphingolipid species and oxidized lipids in polycystic ovary syndrome women. <i>Scientific Reports</i> , 2019 , 9, 16033	4.9	13
98	The Mitochondria-Targeted Antioxidant MitoQ Modulates Mitochondrial Function and Endoplasmic Reticulum Stress in Pancreatic Cells Exposed to Hyperglycaemia. <i>Cellular Physiology and Biochemistry</i> , 2019 , 52, 186-197	3.9	23
97	Malnutrition impairs mitochondrial function and leukocyte activation. <i>Nutrition Journal</i> , 2019 , 18, 89	4.3	7
96	Dietary weight loss intervention improves subclinical atherosclerosis and oxidative stress markers in leukocytes of obese humans. <i>International Journal of Obesity</i> , 2019 , 43, 2200-2209	5.5	12
95	Moderate weight loss attenuates chronic endoplasmic reticulum stress and mitochondrial dysfunction in human obesity. <i>Molecular Metabolism</i> , 2019 , 19, 24-33	8.8	20
94	Mitochondria, the NLRP3 Inflammasome, and Sirtuins in Type 2 Diabetes: New Therapeutic Targets. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 749-791	8.4	43
93	Does Metformin Modulate Endoplasmic Reticulum Stress and Autophagy in Type 2 Diabetic Peripheral Blood Mononuclear Cells?. <i>Antioxidants and Redox Signaling</i> , 2018 , 28, 1562-1569	8.4	15
92	Pinitol alleviates systemic inflammatory cytokines in human obesity by a mechanism involving unfolded protein response and sirtuin 1. <i>Clinical Nutrition</i> , 2018 , 37, 2036-2044	5.9	10
91	Effects of a Carob-Pod-Derived Sweetener on Glucose Metabolism. <i>Nutrients</i> , 2018 , 10,	6.7	10
90	Mitochondrial DNA Haplogroup JT is Related to Impaired Glycaemic Control and Renal Function in Type 2 Diabetic Patients. <i>Journal of Clinical Medicine</i> , 2018 , 7,	5.1	4
89	Obesity impairs leukocyte-endothelium cell interactions and oxidative stress in humans. <i>European Journal of Clinical Investigation</i> , 2018 , 48, e12985	4.6	13
88	Lipidomics reveals altered biosynthetic pathways of glycerophospholipids and cell signaling as biomarkers of the polycystic ovary syndrome. <i>Oncotarget</i> , 2018 , 9, 4522-4536	3.3	16
87	Levels of serum retinol-binding protein 4 before and after non-surgical periodontal treatment in lean and obese subjects: An interventional study. <i>Journal of Clinical Periodontology</i> , 2018 , 45, 336-344	7.7	11
86	Chronic periodontitis impairs polymorphonuclear leucocyte-endothelium cell interactions and oxidative stress in humans. <i>Journal of Clinical Periodontology</i> , 2018 , 45, 1429-1439	7.7	9
85	Dietary therapy and non-surgical periodontal treatment in obese patients with chronic periodontitis. <i>Journal of Clinical Periodontology</i> , 2018 , 45, 1448-1457	7.7	7

84	The mitochondrial antioxidant SS-31 increases SIRT1 levels and ameliorates inflammation, oxidative stress and leukocyte-endothelium interactions in type 2 diabetes. <i>Scientific Reports</i> , 2018 , 8, 15862	4.9	41
83	Mitochondrial dynamics in type 2 diabetes: Pathophysiological implications. <i>Redox Biology</i> , 2017 , 11, 637-645	11.3	225
82	Metabolic syndrome enhances endoplasmic reticulum, oxidative stress and leukocyte-endothelium interactions in PCOS. <i>Metabolism: Clinical and Experimental</i> , 2017 , 71, 153-162	12.7	46
81	Does Metformin Protect Diabetic Patients from Oxidative Stress and Leukocyte-Endothelium Interactions?. <i>Antioxidants and Redox Signaling</i> , 2017 , 27, 1439-1445	8.4	28
80	Oxidative and endoplasmic reticulum stress is impaired in leukocytes from metabolically unhealthy vs healthy obese individuals. <i>International Journal of Obesity</i> , 2017 , 41, 1556-1563	5.5	22
79	Low testosterone levels are related to oxidative stress, mitochondrial dysfunction and altered subclinical atherosclerotic markers in type 2 diabetic male patients. <i>Free Radical Biology and Medicine</i> , 2017 , 108, 155-162	7.8	57
78	Involvement of insulin resistance in normoglycaemic obese patients with periodontitis: A cross-sectional study. <i>Journal of Clinical Periodontology</i> , 2017 , 44, 981-988	7.7	11
77	The mitochondria-targeted antioxidant MitoQ modulates oxidative stress, inflammation and leukocyte-endothelium interactions in leukocytes isolated from type 2 diabetic patients. <i>Redox Biology</i> , 2016 , 10, 200-205	11.3	59
76	Chronic consumption of an inositol-enriched carob extract improves postprandial glycaemia and insulin sensitivity in healthy subjects: A randomized controlled trial. <i>Clinical Nutrition</i> , 2016 , 35, 600-7	5.9	14
75	Effects of simvastatin, ezetimibe and simvastatin/ezetimibe on mitochondrial function and leukocyte/endothelial cell interactions in patients with hypercholesterolemia. <i>Atherosclerosis</i> , 2016 , 247, 40-7	3.1	15
74	Mitochondrial Dysfunction and Endoplasmic Reticulum Stress in Diabetes. <i>Current Pharmaceutical Design</i> , 2016 , 22, 2640-9	3.3	31
73	Role of Oxidative Stress and Mitochondrial Dysfunction in Skeletal Muscle in Type 2 Diabetic Patients. <i>Current Pharmaceutical Design</i> , 2016 , 22, 2650-6	3.3	7
72	Insulin Resistance in PCOS Patients Enhances Oxidative Stress and Leukocyte Adhesion: Role of Myeloperoxidase. <i>PLoS ONE</i> , 2016 , 11, e0151960	3.7	60
71	Are Mitochondrial Fusion and Fission Impaired in Leukocytes of Type 2 Diabetic Patients?. <i>Antioxidants and Redox Signaling</i> , 2016 , 25, 108-15	8.4	22
70	Short- and Long-Term Effects of Weight Loss on the Complement Component C3 After Laparoscopic Gastric Bypass in Obese Patients. <i>Obesity Surgery</i> , 2016 , 26, 2756-2763	3.7	4
69	Effect of consumption of a carob pod inositol-enriched beverage on insulin sensitivity and inflammation in middle-aged prediabetic subjects. <i>Food and Function</i> , 2016 , 7, 4379-4387	6.1	10
68	Metformin modulates human leukocyte/endothelial cell interactions and proinflammatory cytokines in polycystic ovary syndrome patients. <i>Atherosclerosis</i> , 2015 , 242, 167-73	3.1	26
67	Novel methodology for labelling mesoporous silica nanoparticles using the 18F isotope and their in vivo biodistribution by positron emission tomography. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	5

66	Chronic consumption of an inositol-enriched beverage ameliorates endothelial dysfunction and oxidative stress in type 2 diabetes. <i>Journal of Functional Foods</i> , 2015 , 18, 598-607	5.1	7
65	Effects of metformin on mitochondrial function of leukocytes from polycystic ovary syndrome patients with insulin resistance. <i>European Journal of Endocrinology</i> , 2015 , 173, 683-91	6.5	25
64	Is Autophagy Altered in the Leukocytes of Type 2 Diabetic Patients?. <i>Antioxidants and Redox Signaling</i> , 2015 , 23, 1050-6	8.4	16
63	The consumption of a bread enriched with dietary fibre and l-carnitine improves glucose homeostasis and insulin sensitivity in patients with metabolic syndrome. <i>Journal of Cereal Science</i> , 2015 , 64, 159-167	3.8	6
62	Involvement of leucocyte/endothelial cell interactions in anorexia nervosa. <i>European Journal of Clinical Investigation</i> , 2015 , 45, 670-8	4.6	12
61	Circulating irisin levels are not correlated with BMI, age, and other biological parameters in obese and diabetic patients. <i>Endocrine</i> , 2014 , 46, 674-7	4	54
60	Association between irisin and homocysteine in euglycemic and diabetic subjects. <i>Clinical Biochemistry</i> , 2014 , 47, 333-5	3.5	31
59	Is glycemic control modulating endoplasmic reticulum stress in leukocytes of type 2 diabetic patients?. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 1759-65	8.4	27
58	Perspectives and potential applications of mitochondria-targeted antioxidants in cardiometabolic diseases and type 2 diabetes. <i>Medicinal Research Reviews</i> , 2014 , 34, 160-89	14.4	38
57	Altered mitochondrial function and oxidative stress in leukocytes of anorexia nervosa patients. <i>PLoS ONE</i> , 2014 , 9, e106463	3.7	20
56	The role of reactive oxygen species in obesity therapeutics. <i>Expert Review of Endocrinology and Metabolism</i> , 2014 , 9, 629-639	4.1	1
55	Plasma lipidomics discloses metabolic syndrome with a specific HDL phenotype. <i>FASEB Journal</i> , 2014 , 28, 5163-71	0.9	34
54	Research update for articles published in EJCI in 2012. <i>European Journal of Clinical Investigation</i> , 2014 , 44, 1010-1023	4.6	1
53	Mitochondrial impairment and oxidative stress in leukocytes after testosterone administration to female-to-male transsexuals. <i>Journal of Sexual Medicine</i> , 2014 , 11, 454-61	1.1	10
52	Mitochondria-targeted antioxidants as a therapeutic strategy for protecting endothelium in cardiovascular diseases. <i>Current Medicinal Chemistry</i> , 2014 , 21, 2989-3006	4.3	4
51	The pivotal role of nitric oxide: effects on the nervous and immune systems. <i>Current Pharmaceutical Design</i> , 2014 , 20, 4679-89	3.3	19
50	Is myeloperoxidase a key component in the ROS-induced vascular damage related to nephropathy in type 2 diabetes?. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1452-8	8.4	41
49	Influence of obesity on atherogenic dyslipidemia in women with polycystic ovary syndrome. <i>European Journal of Clinical Investigation</i> , 2013 , 43, 549-56	4.6	7

48	A single acute dose of pinitol from a naturally-occurring food ingredient decreases hyperglycaemia and circulating insulin levels in healthy subjects. <i>Food Chemistry</i> , 2013 , 141, 1267-72	8.5	36
47	Relation between lipoprotein subfractions and TSH levels in the cardiovascular risk among women with subclinical hypothyroidism. <i>Clinical Endocrinology</i> , 2013 , 78, 777-82	3.4	21
46	Human leukocyte/endothelial cell interactions and mitochondrial dysfunction in type 2 diabetic patients and their association with silent myocardial ischemia. <i>Diabetes Care</i> , 2013 , 36, 1695-702	14.6	54
45	Association of serum retinol binding protein 4 with atherogenic dyslipidemia in morbid obese patients. <i>PLoS ONE</i> , 2013 , 8, e78670	3.7	24
44	Mitochondrial dysfunction and oxidative stress in insulin resistance. <i>Current Pharmaceutical Design</i> , 2013 , 19, 5730-41	3.3	18
43	Evidence for a relationship between mitochondrial Complex I activity and mitochondrial aldehyde dehydrogenase during nitroglycerin tolerance: effects of mitochondrial antioxidants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 828-37	4.6	11
42	Effect of weight loss on C3 and C4 components of complement in obese patients. <i>European Journal of Clinical Investigation</i> , 2012 , 42, 503-9	4.6	22
41	In vivo molecular imaging of the GABA/benzodiazepine receptor complex in the aged rat brain. <i>Neurobiology of Aging</i> , 2012 , 33, 1457-65	5.6	11
40	Comparability of two different polyacrylamide gel electrophoresis methods for the classification of LDL pattern type. <i>Clinica Chimica Acta</i> , 2012 , 413, 251-7	6.2	25
39	Mitochondrial dysfunction and antioxidant therapy in sepsis. <i>Infectious Disorders - Drug Targets</i> , 2012 , 12, 161-78	1.1	57
38	A review on the role of phytosterols: new insights into cardiovascular risk. <i>Current Pharmaceutical Design</i> , 2011 , 17, 4061-75	3.3	43
37	Serum lipid responses to phytosterol-enriched milk in a moderate hypercholesterolemic population is not affected by apolipoprotein E polymorphism or diameter of low-density lipoprotein particles. <i>European Journal of Clinical Nutrition</i> , 2011 , 65, 255-61	5.2	11
36	Relationship between erectile dysfunction and silent myocardial ischemia in type 2 diabetic patients with no known macrovascular complications. <i>Journal of Sexual Medicine</i> , 2011 , 8, 2606-16	1.1	23
35	Low intestinal cholesterol absorption is associated with a reduced efficacy of phytosterol esters as hypolipemic agents in patients with metabolic syndrome. <i>Clinical Nutrition</i> , 2011 , 30, 604-9	5.9	22
34	[(11)C]-DASB microPET imaging in the aged rat: frontal and meso-thalamic increases in serotonin transporter binding. <i>Experimental Gerontology</i> , 2011 , 46, 1020-5	4.5	8
33	Mitochondrial complex I impairment in leukocytes from type 2 diabetic patients. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 1215-21	7.8	40
32	Mitochondrial antioxidants alleviate oxidative and nitrosative stress in a cellular model of sepsis. <i>Pharmaceutical Research</i> , 2011 , 28, 2910-9	4.5	23
31	Induction of oxidative stress and human leukocyte/endothelial cell interactions in polycystic ovary syndrome patients with insulin resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 3115-22	5.6	90

30	Mitochondrial dysfunction and targeted drugs: a focus on diabetes. <i>Current Pharmaceutical Design</i> , 2011 , 17, 1986-2001	3.3	8
29	Oxidative stress and mitochondrial dysfunction in type 2 diabetes. <i>Current Pharmaceutical Design</i> , 2011 , 17, 3947-58	3.3	85
28	Oxidative stress and endothelial dysfunction in cardiovascular disease: mitochondria-targeted therapeutics. <i>Current Medicinal Chemistry</i> , 2010 , 17, 3827-41	4.3	69
27	Prolactinoma induced by estrogen and cyproterone acetate in a male-to-female transsexual. <i>Fertility and Sterility</i> , 2010 , 94, 1097.e13-5	4.8	39
26	The effects of aging on dopaminergic neurotransmission: a microPET study of [11C]-raclopride binding in the aged rodent brain. <i>Neuroscience</i> , 2010 , 171, 1283-6	3.9	17
25	Mitochondria-targeted antioxidant peptides. <i>Current Pharmaceutical Design</i> , 2010 , 16, 3124-31	3.3	67
24	Effects of phytosterol ester-enriched low-fat milk on serum lipoprotein profile in mildly hypercholesterolaemic patients are not related to dietary cholesterol or saturated fat intake. <i>British Journal of Nutrition</i> , 2010 , 104, 1018-25	3.6	24
23	Testosterone levels in males with type 2 diabetes and their relationship with cardiovascular risk factors and cardiovascular disease. <i>Journal of Sexual Medicine</i> , 2010 , 7, 1954-64	1.1	27
22	Inhibition of mitochondrial function by efavirenz increases lipid content in hepatic cells. <i>Hepatology</i> , 2010 , 52, 115-25	11.2	106
21	Evaluation of cardiovascular risk and oxidative stress parameters in hypercholesterolemic subjects on a standard healthy diet including low-fat milk enriched with plant sterols. <i>Journal of Nutritional Biochemistry</i> , 2010 , 21, 881-6	6.3	20
20	Oxidative stress and mitochondrial dysfunction in atherosclerosis: mitochondria-targeted antioxidants as potential therapy. <i>Current Medicinal Chemistry</i> , 2009 , 16, 4654-67	4.3	115
19	Oxidative stress, endothelial dysfunction and atherosclerosis. <i>Current Pharmaceutical Design</i> , 2009 , 15, 2988-3002	3.3	185
18	Oxidative stress and mitochondrial dysfunction in sepsis: a potential therapy with mitochondria-targeted antioxidants. <i>Infectious Disorders - Drug Targets</i> , 2009 , 9, 376-89	1.1	81
17	Mitochondrial complex I impairment in leukocytes from polycystic ovary syndrome patients with insulin resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 3505-12	5.6	84
16	Mitochondrial-targeted antioxidants and oxidative stress: a proteomic prospective study. <i>Current Pharmaceutical Design</i> , 2009 , 15, 3052-62	3.3	8
15	Targeting antioxidants to mitochondria: a potential new therapeutic strategy for cardiovascular diseases. <i>Current Pharmaceutical Design</i> , 2007 , 13, 845-63	3.3	68
14	Complex I dysfunction and tolerance to nitroglycerin: an approach based on mitochondrial-targeted antioxidants. <i>Circulation Research</i> , 2006 , 99, 1067-75	15.7	100
13	Recent progress in pharmacological research of antioxidants in pathological conditions: cardiovascular health. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2006 , 1, 17-31	1.6	13

12	Role of free radicals in sepsis: antioxidant therapy. <i>Current Pharmaceutical Design</i> , 2005 , 11, 3141-58	3.3	140
11	Negative effects of early developmental stress on yolk testosterone levels in a passerine bird. <i>Journal of Experimental Biology</i> , 2004 , 207, 2215-20	3	61
10	Physiologic estradiol levels enhance hypothalamic expression of the long form of the leptin receptor in intact rats. <i>Journal of Nutritional Biochemistry</i> , 2004 , 15, 328-34	6.3	24
9	Immune cells: free radicals and antioxidants in sepsis. <i>International Immunopharmacology</i> , 2004 , 4, 327-43	3.8	237
8	A fat-enriched, glucose-enriched diet markedly attenuates adiponectin mRNA levels in rat epididymal adipose tissue. <i>Clinical Science</i> , 2003 , 105, 403-8	6.5	39
7	Pregnancy-induced hyperphagia is associated with increased gene expression of hypothalamic agouti-related peptide in rats. <i>Regulatory Peptides</i> , 2003 , 114, 159-65		42
6	Regulation of macrophage function by the antioxidant N-acetylcysteine in mouse-oxidative stress by endotoxin. <i>International Immunopharmacology</i> , 2003 , 3, 97-106	5.8	69
5	N-acetylcysteine protects mice from lethal endotoxemia by regulating the redox state of immune cells. <i>Free Radical Research</i> , 2003 , 37, 919-29	4	61
4	Effect of acute cold exposure on the expression of the adiponectin, resistin and leptin genes in rat white and brown adipose tissues. <i>Hormone and Metabolic Research</i> , 2002 , 34, 629-34	3.1	46
3	Plasma and cerebrospinal fluid leptin levels are maintained despite enhanced food intake in progesterone-treated rats. <i>European Journal of Endocrinology</i> , 2001 , 144, 659-65	6.5	35
2	The anorectic effect of oestradiol does not involve changes in plasma and cerebrospinal fluid leptin concentrations in the rat. <i>Journal of Endocrinology</i> , 2001 , 171, 349-54	4.7	17
1	Changes in cytochrome oxidase activity in brown adipose tissue during oestrous cycle in the rat. <i>European Journal of Endocrinology</i> , 1998 , 139, 433-7	6.5	9