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List of Publications by Citations

80 papers	2,558 citations	29 h-index	49 g-index
89 ext. papers	3,240 ext. citations	6.4 avg, IF	5.18 L-index

#	Paper	IF	Citations
80	Mitochondrial dynamics in type 2 diabetes: Pathophysiological implications. *Redox Biology*, **2017**, 11, 637-645	11.3	225
79	Oxidative stress, endothelial dysfunction and atherosclerosis. *Current Pharmaceutical Design*, **2009**, 15, 2988-3002	3.3	185
78	Molecular strategies for targeting antioxidants to mitochondria: therapeutic implications. *Antioxidants and Redox Signaling*, **2015**, 22, 686-729	8.4	147
77	Relationship Between Oxidative Stress, ER Stress, and Inflammation in Type 2 Diabetes: The Battle Continues. *Journal of Clinical Medicine*, **2019**, 8,	5.1	145
76	Complex I dysfunction and tolerance to nitroglycerin: an approach based on mitochondrial-targeted antioxidants. *Circulation Research*, **2006**, 99, 1067-75	15.7	100
75	Oxidative stress and mitochondrial dysfunction in type 2 diabetes. *Current Pharmaceutical Design*, **2011**, 17, 3947-58	3.3	85
74	Discrepancies between nitroglycerin and NO-releasing drugs on mitochondrial oxygen consumption, vasoactivity, and the release of NO. *Circulation Research*, **2005**, 97, 1063-9	15.7	75
73	Nanoparticles in Medicine: A Focus on Vascular Oxidative Stress. *Oxidative Medicine and Cellular Longevity*, **2018**, 2018, 6231482	6.7	75
72	Regulation of macrophage function by the antioxidant N-acetylcysteine in mouse-oxidative stress by endotoxin. *International Immunopharmacology*, **2003**, 3, 97-106	5.8	69
71	Nano-jewels in biology. Gold and platinum on diamond nanoparticles as antioxidant systems against cellular oxidative stress. *ACS Nano*, **2010**, 4, 6957-65	16.7	66
70	Insulin Resistance in PCOS Patients Enhances Oxidative Stress and Leukocyte Adhesion: Role of Myeloperoxidase. *PLoS ONE*, **2016**, 11, e0151960	3.7	60
69	The mitochondria-targeted antioxidant MitoQ modulates oxidative stress, inflammation and leukocyte-endothelium interactions in leukocytes isolated from type 2 diabetic patients. *Redox Biology*, **2016**, 10, 200-205	11.3	59
68	Low testosterone levels are related to oxidative stress, mitochondrial dysfunction and altered subclinical atherosclerotic markers in type 2 diabetic male patients. *Free Radical Biology and Medicine*, **2017**, 108, 155-162	7.8	57
67	Regulation of oxygen distribution in tissues by endothelial nitric oxide. *Circulation Research*, **2009**, 104, 1178-83	15.7	55
66	Human leukocyte/endothelial cell interactions and mitochondrial dysfunction in type 2 diabetic patients and their association with silent myocardial ischemia. *Diabetes Care*, **2013**, 36, 1695-702	14.6	54
65	Relation of behaviour and macrophage function to life span in a murine model of premature immunosenescence. *Behavioural Brain Research*, **2002**, 134, 41-8	3.4	50
64	Characterization of human GTPBP3, a GTP-binding protein involved in mitochondrial tRNA modification. *Molecular and Cellular Biology*, **2008**, 28, 7514-31	4.8	47

63	Metabolic syndrome enhances endoplasmic reticulum, oxidative stress and leukocyte-endothelium interactions in PCOS. *Metabolism: Clinical and Experimental*, **2017**, 71, 153-162	12.7	46
62	Mitochondria, the NLRP3 Inflammasome, and Sirtuins in Type 2 Diabetes: New Therapeutic Targets. *Antioxidants and Redox Signaling*, **2018**, 29, 749-791	8.4	43
61	Mechanisms of action of metformin in type 2 diabetes: Effects on mitochondria and leukocyte-endothelium interactions. *Redox Biology*, **2020**, 34, 101517	11.3	41
60	Is myeloperoxidase a key component in the ROS-induced vascular damage related to nephropathy in type 2 diabetes?. *Antioxidants and Redox Signaling*, **2013**, 19, 1452-8	8.4	41
59	The mitochondrial antioxidant SS-31 increases SIRT1 levels and ameliorates inflammation, oxidative stress and leukocyte-endothelium interactions in type 2 diabetes. *Scientific Reports*, **2018**, 8, 15862	4.9	41
58	The SGLT2 Inhibitor Empagliflozin Ameliorates the Inflammatory Profile in Type 2 Diabetic Patients and Promotes an Antioxidant Response in Leukocytes. *Journal of Clinical Medicine*, **2019**, 8,	5.1	40
57	Mitochondrial complex I impairment in leukocytes from type 2 diabetic patients. *Free Radical Biology and Medicine*, **2011**, 50, 1215-21	7.8	40
56	Mitochondria and T2D: Role of Autophagy, ER Stress, and Inflammasome. *Trends in Endocrinology and Metabolism*, **2020**, 31, 725-741	8.8	37
55	Plasma lipidomics discloses metabolic syndrome with a specific HDL phenotype. *FASEB Journal*, **2014**, 28, 5163-71	0.9	34
54	Gold nanoparticles supported on nanoparticulate ceria as a powerful agent against intracellular oxidative stress. *Small*, **2012**, 8, 1895-903	11	34
53	Association between irisin and homocysteine in euglycemic and diabetic subjects. *Clinical Biochemistry*, **2014**, 47, 333-5	3.5	31
52	Does Metformin Protect Diabetic Patients from Oxidative Stress and Leukocyte-Endothelium Interactions?. *Antioxidants and Redox Signaling*, **2017**, 27, 1439-1445	8.4	28
51	Is glycemic control modulating endoplasmic reticulum stress in leukocytes of type 2 diabetic patients?. *Antioxidants and Redox Signaling*, **2014**, 21, 1759-65	8.4	27
50	Metformin modulates human leukocyte/endothelial cell interactions and proinflammatory cytokines in polycystic ovary syndrome patients. *Atherosclerosis*, **2015**, 242, 167-73	3.1	26
49	Effects of metformin on mitochondrial function of leukocytes from polycystic ovary syndrome patients with insulin resistance. *European Journal of Endocrinology*, **2015**, 173, 683-91	6.5	25
48	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. *British Journal of Nutrition*, **2010**, 104, 1018-25	3.6	24
47	The Mitochondria-Targeted Antioxidant MitoQ Modulates Mitochondrial Function and Endoplasmic Reticulum Stress in Pancreatic □Cells Exposed to Hyperglycaemia. *Cellular Physiology and Biochemistry*, **2019**, 52, 186-197	3.9	23
46	Are Mitochondrial Fusion and Fission Impaired in Leukocytes of Type 2 Diabetic Patients?. *Antioxidants and Redox Signaling*, **2016**, 25, 108-15	8.4	22

45	Altered mitochondrial function and oxidative stress in leukocytes of anorexia nervosa patients. *PLoS ONE*, **2014**, 9, e106463	3.7	20
44	Phytosterols: Nutritional Health Players in the Management of Obesity and Its Related Disorders. *Antioxidants*, **2020**, 9,	7.1	20
43	Moderate weight loss attenuates chronic endoplasmic reticulum stress and mitochondrial dysfunction in human obesity. *Molecular Metabolism*, **2019**, 19, 24-33	8.8	20
42	Mitochondrial dysfunction and oxidative stress in insulin resistance. *Current Pharmaceutical Design*, **2013**, 19, 5730-41	3.3	18
41	Is Autophagy Altered in the Leukocytes of Type 2 Diabetic Patients?. *Antioxidants and Redox Signaling*, **2015**, 23, 1050-6	8.4	16
40	Integrated molecular signaling involving mitochondrial dysfunction and alteration of cell metabolism induced by tyrosine kinase inhibitors in cancer. *Redox Biology*, **2020**, 36, 101510	11.3	16
39	Lipidomics reveals altered biosynthetic pathways of glycerophospholipids and cell signaling as biomarkers of the polycystic ovary syndrome. *Oncotarget*, **2018**, 9, 4522-4536	3.3	16
38	Does Metformin Modulate Endoplasmic Reticulum Stress and Autophagy in Type 2 Diabetic Peripheral Blood Mononuclear Cells?. *Antioxidants and Redox Signaling*, **2018**, 28, 1562-1569	8.4	15
37	Effects of simvastatin, ezetimibe and simvastatin/ezetimibe on mitochondrial function and leukocyte/endothelial cell interactions in patients with hypercholesterolemia. *Atherosclerosis*, **2016** , 247, 40-7	3.1	15
36	Chronic consumption of an inositol-enriched carob extract improves postprandial glycaemia and insulin sensitivity in healthy subjects: A randomized controlled trial. *Clinical Nutrition*, **2016**, 35, 600-7	5.9	14
35	Obesity impairs leukocyte-endothelium cell interactions and oxidative stress in humans. *European Journal of Clinical Investigation*, **2018**, 48, e12985	4.6	13
34	Does Glycemic Control Modulate the Impairment of NLRP3 Inflammasome Activation in Type 2 Diabetes?. *Antioxidants and Redox Signaling*, **2019**, 30, 232-240	8.4	13
33	The Mitochondrial Antioxidant SS-31 Modulates Oxidative Stress, Endoplasmic Reticulum Stress, and Autophagy in Type 2 Diabetes. *Journal of Clinical Medicine*, **2019**, 8,	5.1	12
32	Microbiota-Mitochondria Inter-Talk: A Potential Therapeutic Strategy in Obesity and Type 2 Diabetes. *Antioxidants*, **2020**, 9,	7.1	12
31	Dietary weight loss intervention improves subclinical atherosclerosis and oxidative stress markers in leukocytes of obese humans. *International Journal of Obesity*, **2019**, 43, 2200-2209	5.5	12
30	Pinitol alleviates systemic inflammatory cytokines in human obesity by a mechanism involving unfolded protein response and sirtuin 1. *Clinical Nutrition*, **2018**, 37, 2036-2044	5.9	10
29	Role of endothelial nitric oxide in pulmonary and systemic arteries during hypoxia. *Nitric Oxide - Biology and Chemistry*, **2014**, 37, 17-27	5	10
28	Mitochondrial impairment and oxidative stress in leukocytes after testosterone administration to female-to-male transsexuals. *Journal of Sexual Medicine*, **2014**, 11, 454-61	1.1	10

27	Effect of consumption of a carob pod inositol-enriched beverage on insulin sensitivity and inflammation in middle-aged prediabetic subjects. *Food and Function*, **2016**, 7, 4379-4387	6.1	10
26	Chronic periodontitis impairs polymorphonuclear leucocyte-endothelium cell interactions and oxidative stress in humans. *Journal of Clinical Periodontology*, **2018**, 45, 1429-1439	7.7	9
25	Chronic consumption of an inositol-enriched beverage ameliorates endothelial dysfunction and oxidative stress in type 2 diabetes. *Journal of Functional Foods*, **2015**, 18, 598-607	5.1	7
24	Systemic Oxidative Stress and Visceral Adipose Tissue Mediators of NLRP3 Inflammasome and Autophagy Are Reduced in Obese Type 2 Diabetic Patients Treated with Metformin. *Antioxidants*, **2020**, 9,	7.1	7
23	Malnutrition impairs mitochondrial function and leukocyte activation. *Nutrition Journal*, **2019**, 18, 89	4.3	7
22	Ceria nanoparticles with rhodamine B as a powerful theranostic agent against intracellular oxidative stress. *RSC Advances*, **2015**, 5, 79423-79432	3.7	6
21	Novel methodology for labelling mesoporous silica nanoparticles using the 18F isotope and their in vivo biodistribution by positron emission tomography. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	5
20	Mitophagy in human astrocytes treated with the antiretroviral drug Efavirenz: Lack of evidence or evidence of the lack. *Antiviral Research*, **2019**, 168, 36-50	10.8	4
19	Relationship between PMN-endothelium interactions, ROS production and Beclin-1 in type 2 diabetes. *Redox Biology*, **2020**, 34, 101563	11.3	4
18	Mitochondrial DNA Haplogroup JT is Related to Impaired Glycaemic Control and Renal Function in Type 2 Diabetic Patients. *Journal of Clinical Medicine*, **2018**, 7,	5.1	4
17	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. *Journal of Clinical Medicine*, **2020**, 9,	5.1	4
16	MicroRNAs and Oxidative Stress: An Intriguing Crosstalk to Be Exploited in the Management of Type 2 Diabetes. *Antioxidants*, **2021**, 10,	7.1	4
15	Does Empagliflozin Modulate Leukocyte-Endothelium Interactions, Oxidative Stress, and Inflammation in Type 2 Diabetes?. *Antioxidants*, **2021**, 10,	7.1	4
14	Association between Proinflammatory Markers, Leukocyte-Endothelium Interactions, and Carotid Intima-Media Thickness in Type 2 Diabetes: Role of Glycemic Control. *Journal of Clinical Medicine*, **2020**, 9,	5.1	3
13	The Role of Mitochondrial Dynamic Dysfunction in Age-Associated Type 2 Diabetes.. *World Journal of Men?s Health*, **2022**,	6.8	2
12	PGK1-AR axis: Benefits of a novel actor in PCOS pathology. *EBioMedicine*, **2020**, 62, 103110	8.8	2
11	Testosterone administration increases leukocyte-endothelium interactions and inflammation in transgender men. *Fertility and Sterility*, **2021**, 115, 483-489	4.8	2
10	Alteration of the Mitochondrial Effects of Ceria Nanoparticles by Gold: An Approach for the Mitochondrial Modulation of Cells Based on Nanomedicine. *Nanomaterials*, **2020**, 10,	5.4	1

9	Mitochondrial Oxidative Stress in Diabetes **2014**, 41-49		1
8	The role of reactive oxygen species in obesity therapeutics. *Expert Review of Endocrinology and Metabolism*, **2014**, 9, 629-639	4.1	1
7	Reactive Oxygen Species and Atherosclerosis **2014**, 1305-1323		1
6	Mitochondrial Alterations and Enhanced Human Leukocyte/Endothelial Cell Interactions in Type 1 Diabetes. *Journal of Clinical Medicine*, **2020**, 9,	5.1	1
5	Metformin modulates mitochondrial function and mitophagy in peripheral blood mononuclear cells from type 2 diabetic patients. *Redox Biology*, **2022**, 102342	11.3	1
4	Research update for articles published in EJCI in 2015. *European Journal of Clinical Investigation*, **2017**, 47, 775-788	4.6	
3	Estudio de las subfracciones lipoproteicas tras el tratamiento de simvastatina y ezetimiba, en monoterapia o combinado, en pacientes hiperlipidémicos. *Clínica E Investigación En Arteriosclerosis*, **2012**, 24, 217-225	1.4	
2	Therapeutic implications of targeting antioxidants to mitochondria **2021**, 459-475		
1	Hypoxia Increases Nitric Oxide-Dependent Inhibition of Angiogenic Growth. *International Journal of Translational Medicine*, **2021**, 1, 366-380		