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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.

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	The Role of Mitochondrial Dynamic Dysfunction in Age-Associated Type 2 Diabetes.. <i>World Journal of Men's Health</i> , 2022 ,	6.8	2
79	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
78	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
77	Testosterone administration increases leukocyte-endothelium interactions and inflammation in transgender men. <i>Fertility and Sterility</i> , 2021 , 115, 483-489	4.8	2
76	Therapeutic implications of targeting antioxidants to mitochondria 2021 , 459-475		
75	Does Empagliflozin Modulate Leukocyte-Endothelium Interactions, Oxidative Stress, and Inflammation in Type 2 Diabetes?. <i>Antioxidants</i> , 2021 , 10,	7.1	4
74	Hypoxia Increases Nitric Oxide-Dependent Inhibition of Angiogenic Growth. <i>International Journal of Translational Medicine</i> , 2021 , 1, 366-380		
73	Relationship between PMN-endothelium interactions, ROS production and Beclin-1 in type 2 diabetes. <i>Redox Biology</i> , 2020 , 34, 101563	11.3	4
72	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
71	Integrated molecular signaling involving mitochondrial dysfunction and alteration of cell metabolism induced by tyrosine kinase inhibitors in cancer. <i>Redox Biology</i> , 2020 , 36, 101510	11.3	16
70	Mitochondria and T2D: Role of Autophagy, ER Stress, and Inflammasome. <i>Trends in Endocrinology and Metabolism</i> , 2020 , 31, 725-741	8.8	37
69	Alteration of the Mitochondrial Effects of Ceria Nanoparticles by Gold: An Approach for the Mitochondrial Modulation of Cells Based on Nanomedicine. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
68	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
67	Mitochondrial Alterations and Enhanced Human Leukocyte/Endothelial Cell Interactions in Type 1 Diabetes. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	1
66	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
65	PGK1-AR axis: Benefits of a novel actor in PCOS pathology. <i>EBioMedicine</i> , 2020 , 62, 103110	8.8	2
64	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

63	Microbiota-Mitochondria Inter-Talk: A Potential Therapeutic Strategy in Obesity and Type 2 Diabetes. <i>Antioxidants</i> , 2020 , 9,	7.1	12
62	Phytosterols: Nutritional Health Players in the Management of Obesity and Its Related Disorders. <i>Antioxidants</i> , 2020 , 9,	7.1	20
61	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
60	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
59	Mitophagy in human astrocytes treated with the antiretroviral drug Efavirenz: Lack of evidence or evidence of the lack. <i>Antiviral Research</i> , 2019 , 168, 36-50	10.8	4
58	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
57	The SGLT2 Inhibitor Empagliflozin Ameliorates the Inflammatory Profile in Type 2 Diabetic Patients and Promotes an Antioxidant Response in Leukocytes. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	40
56	The Mitochondria-Targeted Antioxidant MitoQ Modulates Mitochondrial Function and Endoplasmic Reticulum Stress in Pancreatic β Cells Exposed to Hyperglycaemia. <i>Cellular Physiology and Biochemistry</i> , 2019 , 52, 186-197	3.9	23
55	Malnutrition impairs mitochondrial function and leukocyte activation. <i>Nutrition Journal</i> , 2019 , 18, 89	4.3	7
54	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
53	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
52	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
51	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
50	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
49	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
48	Obesity impairs leukocyte-endothelium cell interactions and oxidative stress in humans. <i>European Journal of Clinical Investigation</i> , 2018 , 48, e12985	4.6	13
47	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
46	Nanoparticles in Medicine: A Focus on Vascular Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 6231482	6.7	75

45	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
44	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
43	Mitochondrial dynamics in type 2 diabetes: Pathophysiological implications. <i>Redox Biology</i> , 2017 , 11, 637-645	11.3	225
42	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
41	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
40	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
39	Research update for articles published in EJCI in 2015. <i>European Journal of Clinical Investigation</i> , 2017 , 47, 775-788	4.6	
38	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
37	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
36	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
35	Insulin Resistance in PCOS Patients Enhances Oxidative Stress and Leukocyte Adhesion: Role of Myeloperoxidase. <i>PLoS ONE</i> , 2016 , 11, e0151960	3.7	60
34	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
33	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
32	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
31	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
30	Ceria nanoparticles with rhodamine B as a powerful theranostic agent against intracellular oxidative stress. <i>RSC Advances</i> , 2015 , 5, 79423-79432	3.7	6
29	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
28	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

27	Is Autophagy Altered in the Leukocytes of Type 2 Diabetic Patients?. <i>Antioxidants and Redox Signaling</i> , 2015 , 23, 1050-6	8.4	16
26	Molecular strategies for targeting antioxidants to mitochondria: therapeutic implications. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 686-729	8.4	147
25	Role of endothelial nitric oxide in pulmonary and systemic arteries during hypoxia. <i>Nitric Oxide - Biology and Chemistry</i> , 2014 , 37, 17-27	5	10
24	Association between irisin and homocysteine in euglycemic and diabetic subjects. <i>Clinical Biochemistry</i> , 2014 , 47, 333-5	3.5	31
23	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
22	Mitochondrial Oxidative Stress in Diabetes 2014 , 41-49		1
21	Altered mitochondrial function and oxidative stress in leukocytes of anorexia nervosa patients. <i>PLoS ONE</i> , 2014 , 9, e106463	3.7	20
20	The role of reactive oxygen species in obesity therapeutics. <i>Expert Review of Endocrinology and Metabolism</i> , 2014 , 9, 629-639	4.1	1
19	Plasma lipidomics discloses metabolic syndrome with a specific HDL phenotype. <i>FASEB Journal</i> , 2014 , 28, 5163-71	0.9	34
18	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
17	Reactive Oxygen Species and Atherosclerosis 2014 , 1305-1323		1
16	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
15	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
14	Mitochondrial dysfunction and oxidative stress in insulin resistance. <i>Current Pharmaceutical Design</i> , 2013 , 19, 5730-41	3.3	18
13	Estudio de las subfracciones lipoproteicas tras el tratamiento de simvastatina y ezetimiba, en monoterapia o combinado, en pacientes hiperlipidémicos. <i>Clinica E Investigación En Arteriosclerosis</i> , 2012 , 24, 217-225	1.4	
12	Gold nanoparticles supported on nanoparticulate ceria as a powerful agent against intracellular oxidative stress. <i>Small</i> , 2012 , 8, 1895-903	11	34
11	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
10	Oxidative stress and mitochondrial dysfunction in type 2 diabetes. <i>Current Pharmaceutical Design</i> , 2011 , 17, 3947-58	3.3	85

9	Nano-jewels in biology. Gold and platinum on diamond nanoparticles as antioxidant systems against cellular oxidative stress. <i>ACS Nano</i> , 2010 , 4, 6957-65	16.7	66
8	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
7	Oxidative stress, endothelial dysfunction and atherosclerosis. <i>Current Pharmaceutical Design</i> , 2009 , 15, 2988-3002	3.3	185
6	Regulation of oxygen distribution in tissues by endothelial nitric oxide. <i>Circulation Research</i> , 2009 , 104, 1178-83	15.7	55
5	Characterization of human GTPBP3, a GTP-binding protein involved in mitochondrial tRNA modification. <i>Molecular and Cellular Biology</i> , 2008 , 28, 7514-31	4.8	47
4	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
3	Discrepancies between nitroglycerin and NO-releasing drugs on mitochondrial oxygen consumption, vasoactivity, and the release of NO. <i>Circulation Research</i> , 2005 , 97, 1063-9	15.7	75
2	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
1	Relation of behaviour and macrophage function to life span in a murine model of premature immunosenescence. <i>Behavioural Brain Research</i> , 2002 , 134, 41-8	3.4	50