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List of Publications by Year
in descending order

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37 papers	1,112 citations	441845 17 h-index	445597 30 g-index
38 all docs	38 docs citations	38 times ranked	1780 citing authors

#	Article	IF	Citations
1	Inflammation and Oxidative Stress in an Obese State and the Protective Effects of Gallic Acid. Nutrients, 2019, 11, 23.	4.2	193
2	A systematic review on the functional role of Th1/Th2 cytokines in type 2 diabetes and related metabolic complications. Cytokine, 2020, 126, 154892.	3.2	62
3	Aspalathin-Enriched Green Rooibos Extract Reduces Hepatic Insulin Resistance by Modulating PI3K/AKT and AMPK Pathways. International Journal of Molecular Sciences, 2019, 20, 633.	4.2	60
4	Rutin ameliorates inflammation and improves metabolic function: A comprehensive analysis of scientific literature. Pharmacological Research, 2022, 178, 106163.	7.2	58
5	Isoorientin: A dietary flavone with the potential to ameliorate diverse metabolic complications. Pharmacological Research, 2020, 158, 104867.	7.2	54
6	Curcumin supplementation improves biomarkers of oxidative stress and inflammation in conditions of obesity, type 2 diabetes and NAFLD: updating the status of clinical evidence. Food and Function, 2021, 12, 12235-12249.	4.6	48
7	The beneficial effects of N-acetyl cysteine (NAC) against obesity associated complications: A systematic review of pre-clinical studies. Pharmacological Research, 2019, 146, 104332.	7.2	42
8	Pancreatic Î²-cell dysfunction in type 2 diabetes: Implications of inflammation and oxidative stress. World Journal of Diabetes, 0, 14, 130-146.	3.5	40
9	Drug-Induced Liver Injury: Clinical Evidence of N-Acetyl Cysteine Protective Effects. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-12.	4.1	39
10	N-Acetyl Cysteine Targets Hepatic Lipid Accumulation to Curb Oxidative Stress and Inflammation in NAFLD: A Comprehensive Analysis of the Literature. Antioxidants, 2020, 9, 1283.	5.2	38
11	Adipokines as a therapeutic target by metformin to improve metabolic function: A systematic review of randomized controlled trials. Pharmacological Research, 2021, 163, 105219.	7.2	35
12	Coenzyme Q10 Supplementation Improves Adipokine Levels and Alleviates Inflammation and Lipid Peroxidation in Conditions of Metabolic Syndrome: A Meta-Analysis of Randomized Controlled Trials. International Journal of Molecular Sciences, 2020, 21, 3247.	4.2	32
13	Aspalathin, a natural product with the potential to reverse hepatic insulin resistance by improving energy metabolism and mitochondrial respiration. PLoS ONE, 2019, 14, e0216172.	2.5	31
14	Metformin and heart failureâ€“related outcomes in patients with or without diabetes: a systematic review of randomized controlled trials. Heart Failure Reviews, 2021, 26, 1437-1445.	3.9	27
15	Uncoupling proteins as a therapeutic target to protect the diabetic heart. Pharmacological Research, 2018, 137, 11-24.	7.2	25
16	Impact of physical exercise and caloric restriction in patients with type 2 diabetes: Skeletal muscle insulin resistance and mitochondrial dysfunction as ideal therapeutic targets. Life Sciences, 2022, 297, 120467.	4.4	25
17	Exploring the Comparative Efficacy of Metformin and Resveratrol in the Management of Diabetes-Associated Complications: A Systematic Review of Preclinical Studies. Nutrients, 2020, 12, 739.	4.2	24
18	N-Acetyl cysteine ameliorates hyperglycemia-induced cardiomyocyte toxicity by improving mitochondrial energetics and enhancing endogenous Coenzyme Q9/10 levels. Toxicology Reports, 2019, 6, 1240-1245.	3.4	22

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19	Epigallocatechin gallate as a nutraceutical to potentially target the metabolic syndrome: novel insights into therapeutic effects beyond its antioxidant and anti-inflammatory properties. Critical Reviews in Food Science and Nutrition, 2024, 64, 87-109.	10.1	21
20	A Meta-Analysis of the Impact of Resveratrol Supplementation on Markers of Renal Function and Blood Pressure in Type 2 Diabetic Patients on Hypoglycemic Therapy. Molecules, 2020, 25, 5645.	3.9	18
21	Impact of Isoorientin on Metabolic Activity and Lipid Accumulation in Differentiated Adipocytes. Molecules, 2020, 25, 1773.	3.9	17
22	A Review on the Antidiabetic Properties of Moringa oleifera Extracts: Focusing on Oxidative Stress and Inflammation as Main Therapeutic Targets. Frontiers in Pharmacology, 0, 13, .	3.6	17
23	Iso-Mukaadial Acetate from Warburgia salutaris Enhances Glucose Uptake in the L6 Rat Myoblast Cell Line. Biomolecules, 2019, 9, 520.	4.2	15
24	Tea consumption and its effects on primary and secondary prevention of coronary artery disease: Qualitative synthesis of evidence from randomized controlled trials. Clinical Nutrition ESPEN, 2021, 41, 77-87.	1.2	15
25	Physical Exercise Potentially Targets Epicardial Adipose Tissue to Reduce Cardiovascular Disease Risk in Patients with Metabolic Diseases: Oxidative Stress and Inflammation Emerge as Major Therapeutic Targets. Antioxidants, 2021, 10, 1758.	5.2	15
26	Isoorientin ameliorates lipid accumulation by regulating fat browning in palmitate-exposed 3T3-L1 adipocytes. Metabolism Open, 2020, 6, 100037.	3.0	14
27	The Combination Effect of Aspalathin and Phenylpyruvic Acid-2-O-Î²-d-glucoside from Rooibos against Hyperglycemia-Induced Cardiac Damage: An In Vitro Study. Nutrients, 2020, 12, 1151.	4.2	14
28	The Potential Role of Polyphenols in Modulating Mitochondrial Bioenergetics within the Skeletal Muscle: A Systematic Review of Preclinical Models. Molecules, 2021, 26, 2791.	3.9	14
29	Antimycin A-induced mitochondrial dysfunction is consistent with impaired insulin signaling in cultured skeletal muscle cells. Toxicology in Vitro, 2021, 76, 105224.	2.5	14
30	Fermented rooibos extract attenuates hyperglycemia-induced myocardial oxidative damage by improving mitochondrial energetics and intracellular antioxidant capacity. South African Journal of Botany, 2020, 131, 143-150.	2.6	12
31	Experimental models of lipid overload and their relevance in understanding skeletal muscle insulin resistance and pathological changes in mitochondrial oxidative capacity. Biochimie, 2022, 196, 182-193.	2.9	12
32	Rooibos Flavonoids, Aspalathin, Isoorientin, and Orientin Ameliorate Antimycin A-Induced Mitochondrial Dysfunction by Improving Mitochondrial Bioenergetics in Cultured Skeletal Muscle Cells. Molecules, 2021, 26, 6289.	3.9	12
33	Vitamin K: A vital micronutrient with the cardioprotective potential against diabetes-associated complications. Life Sciences, 2021, 286, 120068.	4.4	11
34	A systematic review exploring the significance of measuring epicardial fat thickness in correlation to B-type natriuretic peptide levels as prognostic and diagnostic markers in patients with or at risk of heart failure. Heart Failure Reviews, 2022, 27, 665-675.	3.9	11
35	Palmitate-induced toxicity is associated with impaired mitochondrial respiration and accelerated oxidative stress in cultured cardiomyocytes: The critical role of coenzyme Q9/10. Toxicology in Vitro, 2020, 68, 104948.	2.5	9
36	Clinical use of N-acetyl cysteine during liver transplantation: Implications of oxidative stress and inflammation as therapeutic targets. Biomedicine and Pharmacotherapy, 2022, 147, 112638.	5.8	9

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37	Orientin Improves Substrate Utilization and the Expression of Major Genes Involved in Insulin Signaling and Energy Regulation in Cultured Insulin-Resistant Liver Cells. Molecules, 2021, 26, 6154.	3.9	7