

# Sithandiwe E Mazibuko-mbeje

## 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	Epigallocatechin gallate as a nutraceutical to potentially target the metabolic syndrome: novel insights into therapeutic effects beyond its antioxidant and anti-inflammatory properties. <i>Critical Reviews in Food Science and Nutrition</i> , 2024, 64, 87-109.	10.1	21
2	Experimental models of lipid overload and their relevance in understanding skeletal muscle insulin resistance and pathological changes in mitochondrial oxidative capacity. <i>Biochimie</i> , 2022, 196, 182-193.	2.9	12
3	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. <i>Heart Failure Reviews</i> , 2022, 27, 665-675.	3.9	11
4	Clinical use of N-acetyl cysteine during liver transplantation: Implications of oxidative stress and inflammation as therapeutic targets. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112638.	5.8	9
5	Rutin ameliorates inflammation and improves metabolic function: A comprehensive analysis of scientific literature. <i>Pharmacological Research</i> , 2022, 178, 106163.	7.2	58
6	Impact of physical exercise and caloric restriction in patients with type 2 diabetes: Skeletal muscle insulin resistance and mitochondrial dysfunction as ideal therapeutic targets. <i>Life Sciences</i> , 2022, 297, 120467.	4.4	25
7	Metformin and heart failure-related outcomes in patients with or without diabetes: a systematic review of randomized controlled trials. <i>Heart Failure Reviews</i> , 2021, 26, 1437-1445.	3.9	27
8	Adipokines as a therapeutic target by metformin to improve metabolic function: A systematic review of randomized controlled trials. <i>Pharmacological Research</i> , 2021, 163, 105219.	7.2	35
9	Tea consumption and its effects on primary and secondary prevention of coronary artery disease: Qualitative synthesis of evidence from randomized controlled trials. <i>Clinical Nutrition ESPEN</i> , 2021, 41, 77-87.	1.2	15
10	The Potential Role of Polyphenols in Modulating Mitochondrial Bioenergetics within the Skeletal Muscle: A Systematic Review of Preclinical Models. <i>Molecules</i> , 2021, 26, 2791.	3.9	14
11	Antimycin A-induced mitochondrial dysfunction is consistent with impaired insulin signaling in cultured skeletal muscle cells. <i>Toxicology in Vitro</i> , 2021, 76, 105224.	2.5	14
12	Rooibos Flavonoids, Aspalathin, Isoorientin, and Orientin Ameliorate Antimycin A-Induced Mitochondrial Dysfunction by Improving Mitochondrial Bioenergetics in Cultured Skeletal Muscle Cells. <i>Molecules</i> , 2021, 26, 6289.	3.9	12
13	Orientin Improves Substrate Utilization and the Expression of Major Genes Involved in Insulin Signaling and Energy Regulation in Cultured Insulin-Resistant Liver Cells. <i>Molecules</i> , 2021, 26, 6154.	3.9	7
14	Vitamin K: A vital micronutrient with the cardioprotective potential against diabetes-associated complications. <i>Life Sciences</i> , 2021, 286, 120068.	4.4	11
15	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. <i>Antioxidants</i> , 2021, 10, 1758.	5.2	15
16	Curcumin supplementation improves biomarkers of oxidative stress and inflammation in conditions of obesity, type 2 diabetes and NAFLD: updating the status of clinical evidence. <i>Food and Function</i> , 2021, 12, 12235-12249.	4.6	48
17	Drug-Induced Liver Injury: Clinical Evidence of N-Acetyl Cysteine Protective Effects. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-12.	4.1	39
18	A systematic review on the functional role of Th1/Th2 cytokines in type 2 diabetes and related metabolic complications. <i>Cytokine</i> , 2020, 126, 154892.	3.2	62

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19	Palmitate-induced toxicity is associated with impaired mitochondrial respiration and accelerated oxidative stress in cultured cardiomyocytes: The critical role of coenzyme Q9/10. <i>Toxicology in Vitro</i> , 2020, 68, 104948.	2.5	9
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. <i>Molecules</i> , 2020, 25, 5645.	3.9	18
21	N-Acetyl Cysteine Targets Hepatic Lipid Accumulation to Curb Oxidative Stress and Inflammation in NAFLD: A Comprehensive Analysis of the Literature. <i>Antioxidants</i> , 2020, 9, 1283.	5.2	38
22	Coenzyme Q10 Supplementation Improves Adipokine Levels and Alleviates Inflammation and Lipid Peroxidation in Conditions of Metabolic Syndrome: A Meta-Analysis of Randomized Controlled Trials. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3247.	4.2	32
23	Isoorientin: A dietary flavone with the potential to ameliorate diverse metabolic complications. <i>Pharmacological Research</i> , 2020, 158, 104867.	7.2	54
24	Isoorientin ameliorates lipid accumulation by regulating fat browning in palmitate-exposed 3T3-L1 adipocytes. <i>Metabolism Open</i> , 2020, 6, 100037.	3.0	14
25	Exploring the Comparative Efficacy of Metformin and Resveratrol in the Management of Diabetes-Associated Complications: A Systematic Review of Preclinical Studies. <i>Nutrients</i> , 2020, 12, 739.	4.2	24
26	Fermented rooibos extract attenuates hyperglycemia-induced myocardial oxidative damage by improving mitochondrial energetics and intracellular antioxidant capacity. <i>South African Journal of Botany</i> , 2020, 131, 143-150.	2.6	12
27	Impact of Isoorientin on Metabolic Activity and Lipid Accumulation in Differentiated Adipocytes. <i>Molecules</i> , 2020, 25, 1773.	3.9	17
28	The Combination Effect of Aspalathin and Phenylpyruvic Acid-2-O-β-D-glucoside from Rooibos against Hyperglycemia-Induced Cardiac Damage: An In Vitro Study. <i>Nutrients</i> , 2020, 12, 1151.	4.2	14
29	The beneficial effects of N-acetyl cysteine (NAC) against obesity associated complications: A systematic review of pre-clinical studies. <i>Pharmacological Research</i> , 2019, 146, 104332.	7.2	42
30	Iso-Mukaadial Acetate from <i>Warburgia salutaris</i> Enhances Glucose Uptake in the L6 Rat Myoblast Cell Line. <i>Biomolecules</i> , 2019, 9, 520.	4.2	15
31	Aspalathin-Enriched Green Rooibos Extract Reduces Hepatic Insulin Resistance by Modulating PI3K/AKT and AMPK Pathways. <i>International Journal of Molecular Sciences</i> , 2019, 20, 633.	4.2	60
32	Aspalathin, a natural product with the potential to reverse hepatic insulin resistance by improving energy metabolism and mitochondrial respiration. <i>PLoS ONE</i> , 2019, 14, e0216172.	2.5	31
33	N-Acetyl cysteine ameliorates hyperglycemia-induced cardiomyocyte toxicity by improving mitochondrial energetics and enhancing endogenous Coenzyme Q9/10 levels. <i>Toxicology Reports</i> , 2019, 6, 1240-1245.	3.4	22
34	Inflammation and Oxidative Stress in an Obese State and the Protective Effects of Gallic Acid. <i>Nutrients</i> , 2019, 11, 23.	4.2	193
35	Uncoupling proteins as a therapeutic target to protect the diabetic heart. <i>Pharmacological Research</i> , 2018, 137, 11-24.	7.2	25
36	A Review on the Antidiabetic Properties of <i>Moringa oleifera</i> Extracts: Focusing on Oxidative Stress and Inflammation as Main Therapeutic Targets. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.6	17

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37	Pancreatic $\beta$ -cell dysfunction in type 2 diabetes: Implications of inflammation and oxidative stress. World Journal of Diabetes, 0, 14, 130-146.	3.5	40