

Hans Strijdom

List of Publications by Year in descending order

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54
papers

1,242
citations

430874

18
h-index

377865

34
g-index

54
all docs

54
docs citations

54
times ranked

2383
citing authors

#	ARTICLE	IF	CITATIONS
1	Endothelial dysfunction : the early predictor of atherosclerosis. Cardiovascular Journal of Africa, 2012, 23, 222-231.	0.4	372
2	Ambient air pollution and health in Sub-Saharan Africa: Current evidence, perspectives and a call to action.. Environmental Research, 2019, 173, 174-188.	7.5	89
3	Direct intracellular nitric oxide detection in isolated adult cardiomyocytes: flow cytometric analysis using the fluorescent probe, diaminofluorescein. Journal of Molecular and Cellular Cardiology, 2004, 37, 897-902.	1.9	68
4	Nitric oxide in the cardiovascular system: a simple molecule with complex actions. Cardiovascular Journal of Africa, 2009, 20, 303-10.	0.4	62
5	Vascular endothelial dysfunction in the wake of HIV and ART. FEBS Journal, 2019, 286, 1256-1270.	4.7	60
6	Myocardial susceptibility to ischemic-reperfusion injury in a prediabetic model of dietary-induced obesity. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2336-H2343.	3.2	52
7	Short-term melatonin consumption protects the heart of obese rats independent of body weight change and visceral adiposity. Journal of Pineal Research, 2014, 57, 317-332.	7.4	44
8	Cardiovascular effects of air pollution: current evidence from animal and human studies. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1417-H1439.	3.2	35
9	ATM Protein Kinase Signaling, Type 2 Diabetes and Cardiovascular Disease. Cardiovascular Drugs and Therapy, 2015, 29, 51-58.	2.6	32
10	Autophagy is essential for the maintenance of amino acids and ATP levels during acute amino acid starvation in MDAMB231 cells. Cell Biochemistry and Function, 2018, 36, 65-79.	2.9	32
11	Hypoxia-induced regulation of nitric oxide synthase in cardiac endothelial cells and myocytes and the role of the PI3-K/PKB pathway. Molecular and Cellular Biochemistry, 2009, 321, 23-35.	3.1	30
12	Cardiovascular risk and endothelial function in people living with HIV/AIDS: design of the multi-site, longitudinal EndoAfrica study in the Western Cape Province of South Africa. BMC Infectious Diseases, 2017, 17, 41.	2.9	28
13	Nitric oxide production is higher in rat cardiac microvessel endothelial cells than ventricular cardiomyocytes in baseline and hypoxic conditions: a comparative study. FASEB Journal, 2006, 20, 314-316.	0.5	27
14	p38 MAPK Activation Triggers Pharmacologically-induced I^2 -adrenergic Preconditioning, but Not Ischaemic Preconditioning. Journal of Molecular and Cellular Cardiology, 2001, 33, 2157-2177.	1.9	26
15	Proposed mechanisms for red palm oil induced cardioprotection in a model of hyperlipidaemia in the rat. Prostaglandins Leukotrienes and Essential Fatty Acids, 2006, 75, 375-384.	2.2	25
16	Aqueous Extract of Unfermented Honeybush (Cyclopia maculata) Attenuates STZ-induced Diabetes and I^2 -cell Cytotoxicity. Planta Medica, 2014, 80, 622-629.	1.3	24
17	Direct nitric oxide measurement in human spermatozoa: flow cytometric analysis using the fluorescent probe, diaminofluorescein. Journal of Developmental and Physical Disabilities, 2006, 29, 564-567.	3.6	23
18	Nitric Oxide Synthase (NOS) Does Not Contribute to Simulated Ischaemic Preconditioning in an Isolated Rat Cardiomyocyte Model. Cardiovascular Drugs and Therapy, 2004, 18, 99-112.	2.6	18

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19	Personal NO ₂ and Volatile Organic Compounds Exposure Levels are Associated with Markers of Cardiovascular Risk in Women in the Cape Town Region of South Africa. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2284.	2.6	17
20	Highly Active Antiretroviral Therapy Alters Sperm Parameters and Testicular Antioxidant Status in Diet-Induced Obese Rats. <i>Toxicological Research</i> , 2018, 34, 41-48.	2.1	15
21	Personal exposure to NO ₂ and benzene in the Cape Town region of South Africa is associated with shorter leukocyte telomere length in women. <i>Environmental Research</i> , 2020, 182, 108993.	7.5	14
22	Impact of Aldosterone Receptor Blockade on the Deleterious Cardiac Effects of Adrenergic Activation in Hypertensive Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2010, 56, 203-211.	1.9	13
23	Effects of Sperm Processing Techniques Involving Centrifugation on Nitric Oxide, Reactive Oxygen Species Generation and Sperm Function~!2009-11-11~!2010-01-07~!2010-03-30~!. <i>The Open Andrology Journal</i> , 2010, 2, 1-5.	0.2	13
24	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.	5.1	13
25	Treatment with a fixed dose combination antiretroviral therapy drug containing tenofovir, emtricitabine and efavirenz is associated with cardioprotection in high calorie diet-induced obese rats. <i>PLoS ONE</i> , 2018, 13, e0208537.	2.5	12
26	Fall History and Associated Factors Among Adults Living With HIV-1 in the Cape Winelands, South Africa: An Exploratory Investigation. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz401.	0.9	10
27	Mucin secreting cells in the stomach and colon are altered by combination antiretroviral treatment in an obese rat model. <i>Acta Histochemica</i> , 2017, 119, 122-128.	1.8	9
28	Histomorphological changes in the pancreas and kidney and histopathological changes in the liver in male Wistar rats on antiretroviral therapy and melatonin treatment. <i>Acta Histochemica</i> , 2018, 120, 347-355.	1.8	9
29	Vascular function and cardiovascular risk in a HIV infected and HIV free cohort of African ancestry: baseline profile, rationale and methods of the longitudinal EndoAfrica-NWU study. <i>BMC Infectious Diseases</i> , 2020, 20, 473.	2.9	9
30	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	9
31	Relationship between Endothelial Function, Antiretroviral Treatment and Cardiovascular Risk Factors in HIV Patients of African Descent in South Africa: A Cross-Sectional Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 392.	2.4	8
32	Role of melatonin in glucose uptake by cardiomyocytes from insulin-resistant Wistar rats. <i>Cardiovascular Journal of Africa</i> , 2017, 28, 362-369.	0.4	7
33	HIV-related cardiovascular disease: any role for high-density lipoproteins?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H1221-H1226.	3.2	6
34	Vascular health assessment with flow-mediated dilatation and retinal image analysis: a pilot study in an adult population from Cape Town. <i>Cardiovascular Journal of Africa</i> , 2021, 32, 23-30.	0.4	6
35	HIV/AIDS: Emerging threat to cardiovascular health in sub-Saharan Africa. <i>South African Medical Journal</i> , 2016, 106, 537.	0.6	5
36	Antiretroviral drug-induced endothelial dysfunction is improved by dual PPAR α/β stimulation in obesity. <i>Vascular Pharmacology</i> , 2019, 121, 106577.	2.1	3

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37	HIV and Antiretroviral Therapy Are Independently Associated with Cardiometabolic Variables and Cardiac Electrical Activity in Adults from the Western Cape Region of South Africa. <i>Journal of Clinical Medicine</i> , 2021, 10, 4112.	2.4	3
38	Rooibos (<i>Aspalathus linearis</i>) protects against nicotine-induced vascular injury and oxidative stress in Wistar rats. <i>Cardiovascular Journal of Africa</i> , 2020, 31, 29-38.	0.4	3
39	Cardiovascular health and flow-mediated dilatation (FMD) in a South African cohort of HIV-infected participants-findings from the endoAfrica study. <i>Atherosclerosis</i> , 2017, 263, e141.	0.8	2
40	Endothelial dysfunction: are we ready to heed the vasculature's early-warning signal?. <i>Cardiovascular Journal of Africa</i> , 2012, 23, 184-5.	0.4	2
41	A histomorphometric study on the effects of antiretroviral therapy (ART) combined with a high-calorie diet (HCD) on aortic perivascular adipose tissue (PVAT). <i>Acta Histochemica</i> , 2017, 119, 555-562.	1.8	1
42	Fenofibrate protects endothelial cells against the harmful effects of TNF- α . <i>SA Heart Journal</i> , 2017, 14, .	0.0	1
43	Cardiac endothelium: More than just a barrier. <i>SA Heart Journal</i> , 2017, .	0.0	1
44	Determinants of endothelial function in a cohort of HIV-infected and HIV-free participants: The role of cardiovascular risk factors, biomarkers of inflammation and HIV-dependent parameters. <i>Atherosclerosis</i> , 2018, 275, e127.	0.8	1
45	Mobility Deviations in Adults With Human Immunodeficiency Virus: A Cross-Sectional Assessment Using Gait Analysis, Functional Performance, and Self-Report. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab425.	0.9	1
46	Fall History and Associated Factors Among Adults Living With HIV-1 in the Cape Winelands, South Africa: An Exploratory Investigation. , 0, .		1
47	Comparison of endothelial function and cardiometabolic profiles of people living with HIV in two South African regions: the EndoAfrica study. <i>Cardiovascular Journal of Africa</i> , 2022, 33, 17-22.	0.4	1
48	P507DPP-4 inhibition is cardioprotective and restores pancreatic function in obese, insulin resistant rats. <i>Cardiovascular Research</i> , 2014, 103, S93.1-S93.	3.8	0
49	Endothelial dysfunction in aortic and cardiac microvascular endothelial cells: The heterogeneous response to the pro-inflammatory cytokine, tumor necrosis factor- α (TNF- α). <i>Atherosclerosis</i> , 2018, 275, e125.	0.8	0
50	Anti-Apolipoprotein A1 Autoantibodies Prevalence Is Increased And Associated With Hiv Infection. <i>Atherosclerosis</i> , 2019, 287, e251-e252.	0.8	0
51	P5340HIV-infected participants on combination ART (tenofovir, emtricitabine, efavirenz) have improved endothelial function and smaller retinal venular calibers compared to treatment naive participants. <i>European Heart Journal</i> , 2019, 40, .	2.2	0
52	P5343The presence of anti-apolipoprotein A1 autoantibodies is associated with a pro-atherogenic profile in HIV-infected patients. <i>European Heart Journal</i> , 2019, 40, .	2.2	0
53	Ischaemic and Pharmacological Preconditioning Is Associated with Attenuation of p38 MAPK Activation During Sustained Ischaemia and Reperfusion. <i>Progress in Experimental Cardiology</i> , 2003, , 249-273.	0.0	0
54	Cardiovascular Profile of South African Adults with Low-Level Viremia during Antiretroviral Therapy. <i>Journal of Clinical Medicine</i> , 2022, 11, 2812.	2.4	0