

M Faadiel Essop

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

2,476
citations

172386

29
h-index

223716

46
g-index

100
all docs

100
docs citations

100
times ranked

4028
citing authors

#	ARTICLE	IF	CITATIONS
1	The implementation of active learning practices in a South African physiology class: a follow-up study. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2022, 46, 1-10.	0.8	4
2	The effects of physical activity on adipokines in individuals with overweight/obesity across the lifespan: A narrative review. <i>Obesity Reviews</i> , 2021, 22, e13090.	3.1	29
3	Health Benefits of Exercise and Fasting. , 2021, , 1979-1997.		0
4	Monocyte/Macrophage-Mediated Innate Immunity in HIV-1 Infection: From Early Response to Late Dysregulation and Links to Cardiovascular Diseases Onset. <i>Virologica Sinica</i> , 2021, 36, 565-576.	1.2	13
5	Expansion of GARP-Expressing CD4+CD25 ^{hi} FoxP3+ T Cells and SATB1 Association with Activation and Coagulation in Immune Compromised HIV-1-Infected Individuals in South Africa. <i>Virologica Sinica</i> , 2021, 36, 1133-1143.	1.2	1
6	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.	0.4	1
7	Health Benefits of Exercise and Fasting. , 2021, , 1-20.		0
8	Implementation of an authentic learning exercise in a postgraduate physiology classroom setting. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2020, 44, 496-500.	0.8	4
9	Citrus fruit-derived flavonoid naringenin and the expression of hepatic organic cation transporter 1 protein in diabetic rats treated with metformin. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2020, 127, 211-220.	1.2	5
10	The Impact of Sugar-Sweetened Beverage Consumption on the Liver: A Proteomics-Based Analysis. <i>Antioxidants</i> , 2020, 9, 569.	2.2	4
11	Chronic stress and endothelial dysfunction: mechanisms, experimental challenges, and the way ahead. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H488-H506.	1.5	34
12	HIV-related cardiovascular diseases: the search for a unifying hypothesis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H731-H746.	1.5	27
13	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.	1.2	12
14	<p>Exercise Training and Fasting: Current Insights</p>. <i>Open Access Journal of Sports Medicine</i> , 2020, Volume 11, 1-28.	0.6	48
15	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.	1.7	13
16	Student response to a cooperative learning element within a large physiology class setting: lessons learned. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2020, 44, 269-275.	0.8	2
17	The acute coronary syndrome revisited: effects and therapeutic modulation of excess metabolic fuel supply. <i>Cardiovascular Journal of Africa</i> , 2020, 31, 159-161.	0.2	0
18	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.	0.4	10

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19	The human transketolase-like proteins TKTL1 and TKTL2 are bona fide transketolases. <i>BMC Structural Biology</i> , 2019, 19, 2.	2.3	16
20	Effects of naringenin on renal expression of organic cation transporter 1 and 2 proteins and metformin disposition in diabetic rats. <i>Journal of Functional Foods</i> , 2019, 59, 1-7.	1.6	4
21	The impact of sugar-sweetened beverage intake on rat cardiac function. <i>Heliyon</i> , 2019, 5, e01357.	1.4	2
22	HIV and cardiovascular diseases risk: exploring the interplay between T-cell activation, coagulation, monocyte subsets, and lipid subclass alterations. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1146-H1157.	1.5	16
23	Genetic polymorphisms of organic cation transporter 1 (OCT1) and responses to metformin therapy in individuals with type 2 diabetes. <i>Medicine (United States)</i> , 2018, 97, e11349.	0.4	45
24	No stressâ€™ better results?. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2018, 42, 720-722.	0.8	0
25	Genetic polymorphisms of organic cation transporters 1 (OCT1) and responses to metformin therapy in individuals with type 2 diabetes mellitus: a systematic review protocol. <i>Systematic Reviews</i> , 2018, 7, 105.	2.5	9
26	HIV and Cardiovascular Disease: Role of Immunometabolic Perturbations. <i>Physiology</i> , 2018, 33, 74-82.	1.6	13
27	Age-dependent development of left ventricular wall thickness in type 2 diabetic (db/db) mice is associated with elevated low-density lipoprotein and triglyceride serum levels. <i>Heart and Vessels</i> , 2017, 32, 1025-1031.	0.5	12
28	Diabetes-induced hepatic oxidative stress: a new pathogenic role for glycated albumin. <i>Free Radical Biology and Medicine</i> , 2017, 102, 133-148.	1.3	42
29	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. <i>BMC Infectious Diseases</i> , 2017, 17, 41.	1.3	28
30	Health Benefits of Fasting and Caloric Restriction. <i>Current Diabetes Reports</i> , 2017, 17, 123.	1.7	152
31	Frequent Sugar-Sweetened Beverage Consumption and the Onset of Cardiometabolic Diseases: Cause for Concern?. <i>Journal of the Endocrine Society</i> , 2017, 1, 1372-1385.	0.1	42
32	Glycation abolishes the cardioprotective effects of albumin during exâ€™ vivo ischemiaâ€™ reperfusion. <i>Physiological Reports</i> , 2017, 5, e13107.	0.7	6
33	The Transcription Profile Unveils the Cardioprotective Effect of Aspalathin against Lipid Toxicity in an In Vitro H9c2 Model. <i>Molecules</i> , 2017, 22, 219.	1.7	40
34	Aspalathin Protects the Heart against Hyperglycemia-Induced Oxidative Damage by Up-Regulating Nrf2 Expression. <i>Molecules</i> , 2017, 22, 129.	1.7	64
35	Resveratrol Co-Treatment Attenuates the Effects of HIV Protease Inhibitors on Rat Body Weight and Enhances Cardiac Mitochondrial Respiration. <i>PLoS ONE</i> , 2017, 12, e0170344.	1.1	9
36	Trimetazidine therapy for diabetic mouse hearts subjected to ex vivo acute heart failure. <i>PLoS ONE</i> , 2017, 12, e0179509.	1.1	3

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37	Enhanced oxidative stress in adipose tissue from diabetic mice, possible contribution of glycated albumin. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 154-160.	1.0	10
38	Phenylpyruvic Acid-2-O-β-D-Glucoside Attenuates High Glucose-Induced Apoptosis in H9c2 Cardiomyocytes. <i>Planta Medica</i> , 2016, 82, 1468-1474.	0.7	20
39	AGEing heart valves: a bittersweet stiffening process?. <i>Journal of Clinical Pathology</i> , 2016, 69, 747-749.	1.0	1
40	Damaging effects of hyperglycemia on cardiovascular function: spotlight on glucose metabolic pathways. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H153-H173.	1.5	68
41	Partial inhibition of the ubiquitin-proteasome system ameliorates cardiac dysfunction following ischemia-reperfusion in the presence of high glucose. <i>Cardiovascular Diabetology</i> , 2015, 14, 94.	2.7	19
42	MuRF2 regulates PPAR ^γ activity to protect against diabetic cardiomyopathy and enhance weight gain induced by a high fat diet. <i>Cardiovascular Diabetology</i> , 2015, 14, 97.	2.7	40
43	Oxidative Stress and Adipocyte Biology: Focus on the Role of AGEs. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-9.	1.9	51
44	Distinct gender differences in anthropometric profiles of a peri-urban South African HIV population: a cross sectional study. <i>BMC Infectious Diseases</i> , 2015, 15, 85.	1.3	2
45	Muscle ring finger-3 protects against diabetic cardiomyopathy induced by a high fat diet. <i>BMC Endocrine Disorders</i> , 2015, 15, 36.	0.9	18
46	Ubiquitin Proteasome System Inhibition Ameliorates Cardiac Dysfunction Following Ischemia-Reperfusion under Hyperglycemic Conditions. <i>FASEB Journal</i> , 2015, 29, 798.8.	0.2	0
47	Detrimental effects of acute hyperglycaemia on the rat heart. <i>Acta Physiologica</i> , 2014, 210, 546-564.	1.8	29
48	The detrimental effects of acute hyperglycemia on myocardial glucose uptake. <i>Life Sciences</i> , 2014, 105, 31-42.	2.0	20
49	HIV protease inhibitors and onset of cardiovascular diseases: A central role for oxidative stress and dysregulation of the ubiquitin-proteasome system. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 256-268.	1.8	56
50	The effects of thiamine treatment on pre-diabetic versus overt diabetic rat hearts: Role of non-oxidative glucose pathways. <i>International Journal of Cardiology</i> , 2014, 176, 1371-1373.	0.8	1
51	The hexosamine biosynthetic pathway induces gene promoter activity of acetyl-CoA carboxylase beta. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 734-739.	1.0	3
52	Differential hexosamine biosynthetic pathway gene expression with type 2 diabetes. <i>Molecular Genetics and Metabolism Reports</i> , 2014, 1, 158-169.	0.4	11
53	Distinct gender differences in the anthropometric profile of South African HIV-positive individuals on highly active anti-retroviral treatment (641.16). <i>FASEB Journal</i> , 2014, 28, 641.16.	0.2	0
54	The maladaptive effects of HIV protease inhibitors (lopinavir/ritonavir) on the rat heart. <i>International Journal of Cardiology</i> , 2013, 168, 3047-3049.	0.8	11

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55	Cardio-Metabolic Effects of HIV Protease Inhibitors (Lopinavir/Ritonavir). PLoS ONE, 2013, 8, e73347.	1.1	39
56	Exploring mechanisms that attenuate myocardial glucose uptake in response to acute hyperglycemia: identification of a vicious metabolic cycle. FASEB Journal, 2013, 27, 1192.8.	0.2	0
57	Effects of glucose-6-phosphate dehydrogenase deficiency on the metabolic and cardiac responses to obesogenic or high-fructose diets. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E959-E972.	1.8	22
58	Oleanolic Acid: A Novel Cardioprotective Agent That Blunts Hyperglycemia-Induced Contractile Dysfunction. PLoS ONE, 2012, 7, e47322.	1.1	40
59	Exploring Leukocyte α -GlcNAcylation as a Novel Diagnostic Tool for the Earlier Detection of Type 2 Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 4640-4649.	1.8	48
60	Leukocyte α -GlcNAcylation: a novel tool for the early detection of type 2 diabetes mellitus. FASEB Journal, 2012, 26, 1127.13.	0.2	0
61	Detrimental effects of antiretroviral treatment on contractile function of the rat heart. FASEB Journal, 2012, 26, 1136.8.	0.2	0
62	Benfotiamine: a novel cardioprotective agent that blunts hyperglycemia-induced cardiac dysfunction. FASEB Journal, 2012, 26, 1136.14.	0.2	1
63	Regulation of AMPK by the Ubiquitin Proteasome System. American Journal of Pathology, 2011, 178, 4-11.	1.9	61
64	The hexosamine biosynthetic pathway can mediate myocardial apoptosis in a rat model of diet-induced insulin resistance. Acta Physiologica, 2011, 202, 151-157.	1.8	21
65	PKC μ promotes cardiac mitochondrial and metabolic adaptation to chronic hypobaric hypoxia by GSK3 β inhibition. Journal of Cellular Physiology, 2011, 226, 2457-2468.	2.0	20
66	Chronic and acute exposure of mouse hearts to fatty acids increases oxygen cost of excitation-contraction coupling. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1631-H1636.	1.5	14
67	Proteomic analysis of mitochondrial proteins in a mouse model of type 2 diabetes. Cardiovascular Journal of Africa, 2011, 22, 175-178.	0.2	21
68	Cardioprotective effects of oleanolic acid under hyperglycemic conditions. FASEB Journal, 2011, 25, .	0.2	0
69	Hyperglycemia-mediated activation of the hexosamine biosynthetic pathway results in myocardial apoptosis. American Journal of Physiology - Cell Physiology, 2010, 299, C139-C147.	2.1	74
70	AMPK activation represses the human gene promoter of the cardiac isoform of acetyl-CoA carboxylase: Role of nuclear respiratory factor-1. Biochemical and Biophysical Research Communications, 2010, 398, 495-499.	1.0	12
71	Does Junk Food Lead to Heart Failure?. Hypertension, 2009, 54, 1209-1210.	1.3	14
72	Chronic treatment with the peroxisome proliferator-activated receptor δ agonist Wy-14,643 attenuates myocardial respiratory capacity and contractile function. Molecular and Cellular Biochemistry, 2009, 330, 55-62.	1.4	16

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73	Impaired contractile function and mitochondrial respiratory capacity in response to oxygen deprivation in a rat model of pre-diabetes. <i>Acta Physiologica</i> , 2009, 197, 289-296.	1.8	21
74	Expression of mitochondrial regulatory genes parallels respiratory capacity and contractile function in a rat model of hypoxia-induced right ventricular hypertrophy. <i>Molecular and Cellular Biochemistry</i> , 2008, 318, 175-181.	1.4	14
75	Reduced heart size and increased myocardial fuel substrate oxidation in ACC2 mutant mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H256-H265.	1.5	33
76	Genomic modulation of mitochondrial respiratory genes in the hypertrophied heart reflects adaptive changes in mitochondrial and contractile function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H2819-H2825.	1.5	20
77	Activated PKC μ overexpression protects the heart by GSK3 β -mediated modulation of cardiac glycogen content. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S69.	0.9	0
78	Rapid attenuation of circadian clock gene oscillations in the rat heart following ischemia-reperfusion. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 43, 744-753.	0.9	50
79	Cardiac metabolic adaptations in response to chronic hypoxia. <i>Journal of Physiology</i> , 2007, 584, 715-726.	1.3	98
80	Metabolic gene switching in the murine female heart parallels enhanced mitochondrial respiratory function in response to oxidative stress. <i>FEBS Journal</i> , 2007, 274, 5278-5284.	2.2	14
81	Reduced Heart Size and Increased Myocardial Fuel Substrate Oxidation in ACC2 Mutant Mice. <i>FASEB Journal</i> , 2007, 21, A1356.	0.2	0
82	Upstream stimulatory factor 1 transactivates the human gene promoter of the cardiac isoform of acetyl-CoA carboxylase. <i>Archives of Biochemistry and Biophysics</i> , 2006, 446, 91-100.	1.4	8
83	Atrophy, hypertrophy, and hypoxemia induce transcriptional regulators of the ubiquitin proteasome system in the rat heart. <i>Biochemical and Biophysical Research Communications</i> , 2006, 342, 361-364.	1.0	99
84	Wy-14,643 and fenofibrate inhibit mitochondrial respiration in isolated rat cardiac mitochondria. <i>Mitochondrion</i> , 2006, 6, 315-322.	1.6	21
85	Increased Myocardial Oxygen Consumption Reduces Cardiac Efficiency in Diabetic Mice. <i>Diabetes</i> , 2006, 55, 466-473.	0.3	219
86	Acclimatization to chronic hypobaric hypoxia is associated with a differential transcriptional profile between the right and left ventricle. <i>Molecular and Cellular Biochemistry</i> , 2005, 278, 71-78.	1.4	36
87	PKC δ activation augments cardiac mitochondrial respiratory post-anoxic reserve—a putative mechanism in PKC δ cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 38, 697-700.	0.9	34
88	Metabolic therapy for heart failure. <i>European Heart Journal</i> , 2004, 25, 1765-1768.	1.0	49
89	Evidence for mitochondrial thioesterase 1 as a peroxisome proliferator-activated receptor- α -regulated gene in cardiac and skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 287, E888-E895.	1.8	84
90	Hypoxia-induced decrease of UCP3 gene expression in rat heart parallels metabolic gene switching but fails to affect mitochondrial respiratory coupling. <i>Biochemical and Biophysical Research Communications</i> , 2004, 314, 561-564.	1.0	56

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91	Dynamic changes of gene expression in hypoxia-induced right ventricular hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1185-H1192.	1.5	69
92	Counter-regulatory effects of incremental hypoxia on the transcription of a cardiac fatty acid oxidation enzyme-encoding gene. Molecular and Cellular Biochemistry, 2003, 250, 151-158.	1.4	14
93	Hypoxia-induced switches of myosin heavy chain iso-gene expression in rat heart. Biochemical and Biophysical Research Communications, 2003, 303, 1024-1027.	1.0	47
94	Detection of monoclonality in south african T-cell lymphoma cases using PCR analysis of T-cell receptor- β gene rearrangements*. Molecular Diagnosis and Therapy, 1998, 3, 233-236.	1.2	0
95	Ecology and genetics of hybrid zones in the southern African <i>Pycnonotus</i> bulbul species complex. Ostrich, 1997, 68, 90-96.	0.4	10