Ntobeko Ntusi

List of Publications by Year
in descending order

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120 papers	5,253 citations	159585 30 h-index	95266 68 g-index
128 all docs	128 docs citations	128 times ranked	8545 citing authors

#	Article	IF	Citations
1	Noncontrast T1 Mapping for the Diagnosis of Cardiac Amyloidosis. JACC: Cardiovascular Imaging, 2013, 6, 488-497.	5.3	517
2	Risk Factors for Coronavirus Disease 2019 (COVID-19) Death in a Population Cohort Study from the Western Cape Province, South Africa. Clinical Infectious Diseases, 2021, 73, e2005-e2015.	5.8	405
3	T1 Mapping for the Diagnosis of Acute Myocarditis Using CMR. JACC: Cardiovascular Imaging, 2013, 6, 1048-1058.	5.3	318
4	Advancing global health and strengthening the HIV response in the era of the Sustainable Development Goals: the International AIDS Societyâ€"Lancet Commission. Lancet, The, 2018, 392, 312-358.	13.7	230
5	Normal variation of magnetic resonance T1 relaxation times in the human population at 1.5 T using ShMOLLI. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 13.	3.3	216
6	Subclinical myocardial inflammation and diffuse fibrosis are common in systemic sclerosis â€“ a clinical study using myocardial T1-mapping and extracellular volume quantification. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 21.	3.3	200
7	Native T1-mapping detects the location, extent and patterns of acute myocarditis without the need for gadolinium contrast agents. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 36.	3.3	184
8	Diffuse Myocardial Fibrosis and Inflammation in Rheumatoid Arthritis. JACC: Cardiovascular Imaging, 2015, 8, 526-536.	5.3	164
9	Comprehensive Cardiac Magnetic Resonance Imaging and Spectroscopy Reveal a High Burden of Myocardial Disease in HIV Patients. Circulation, 2013, 128, 814-822.	1.6	160
10	The utility of high-flow nasal oxygen for severe COVID-19 pneumonia in a resource-constrained setting: A multi-centre prospective observational study. EClinicalMedicine, 2020, 28, 100570.	7.1	152
11	Pheochromocytoma Is Characterized byÂCatecholamine-Mediated Myocarditis, Focal and Diffuse Myocardial Fibrosis, andÂMyocardial Dysfunction. Journal of the American College of Cardiology, 2016, 67, 2364-2374.	2.8	139
12	Aetiology and risk factors of peripartum cardiomyopathy: A systematic review. International Journal of Cardiology, 2009, 131, 168-179.	1.7	130
13	Identification of Cadherin 2 (CDH2) Mutations in Arrhythmogenic Right Ventricular Cardiomyopathy. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	123
14	Cross-Reactive Neutralizing Antibody Responses Elicited by SARS-CoV-2 501Y.V2 (B.1.351). New England Journal of Medicine, 2021, 384, 2161-2163.	27.0	111
15	Prior infection with SARS-CoV-2 boosts and broadens Ad26.COV2.S immunogenicity in a variant-dependent manner. Cell Host and Microbe, 2021, 29, 1611-1619.e5.	11.0	106
16	Epidemiology of heart failure in sub-Saharan Africa. Expert Review of Cardiovascular Therapy, 2009, 7, 169-180.	1.5	99
17	Heart failure in sub-Saharan Africa: A contemporaneous systematic review and meta-analysis. International Journal of Cardiology, 2018, 257, 207-215.	1.7	99
18	Group A Streptococcus, Acute Rheumatic Fever and Rheumatic Heart Disease: Epidemiology and Clinical Considerations. Current Treatment Options in Cardiovascular Medicine, 2017, 19, 15.	0.9	97

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19	Reciprocal Effects of Systemic Inflammation and Brain Natriuretic Peptide on Adiponectin Biosynthesis in Adipose Tissue of Patients With Ischemic Heart Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2151-2159.	2.4	95
20	Outcomes of laboratoryâ€confirmed <scp>SARSâ€CoV</scp>â€2 infection in the Omicronâ€driven fourth wave compared with previous waves in the Western Cape Province, South Africa. Tropical Medicine and International Health, 2022, 27, 564-573.	2.3	94
21	HIV-1â€"Related Cardiovascular Disease Is Associated With Chronic Inflammation, Frequent Pericardial Effusions, and Probable Myocardial Edema. Circulation: Cardiovascular Imaging, 2016, 9, e004430.	2.6	88
22	Feasibility and safety of high-dose adenosine perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 66.	3.3	77
23	Escape from recognition of SARS-CoV-2 variant spike epitopes but overall preservation of T cell immunity. Science Translational Medicine, 2022, 14, .	12.4	77
24	Observational study of regional aortic size referenced to body size: production of a cardiovascular magnetic resonance nomogram. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 9.	3.3	72
25	Pregnancy-Associated Heart Failure: A Comparison of Clinical Presentation and Outcome between Hypertensive Heart Failure of Pregnancy and Idiopathic Peripartum Cardiomyopathy. PLoS ONE, 2015, 10, e0133466.	2.5	70
26	Anti-TNF modulation reduces myocardial inflammation and improves cardiovascular function in systemic rheumatic diseases. International Journal of Cardiology, 2018, 270, 253-259.	1.7	58
27	Diagnosis and risk stratification in hypertrophic cardiomyopathy using machine learning wall thickness measurement: a comparison with human test-retest performance. The Lancet Digital Health, 2021, 3, e20-e28.	12.3	57
28	Aortic 4D flow: Quantification of signal-to-noise ratio as a function of field strength and contrast enhancement for 1.5T, 3T, and 7T. Magnetic Resonance in Medicine, 2015, 73, 1864-1871.	3.0	55
29	SARS-CoV-2 Beta and Delta variants trigger Fc effector function with increased cross-reactivity. Cell Reports Medicine, 2022, 3, 100510.	6.5	51
30	Guideline for the optimal use of blood cultures. South African Medical Journal, 2010, 100, 839.	0.6	41
31	An overview of heart failure in low- and middle-income countries. Cardiovascular Diagnosis and Therapy, 2020, 10, 244-251.	1.7	32
32	Ad26.COV2.S breakthrough infections induce high titers of neutralizing antibodies against Omicron and other SARS-CoV-2 variants of concern. Cell Reports Medicine, 2022, 3, 100535.	6.5	31
33	HIV is an independent predictor of aortic stiffness. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 57.	3.3	30
34	Dyspnoea: Pathophysiology and a clinical approach. South African Medical Journal, 2015, 106, 32.	0.6	30
35	Automated signal quality assessment of mobile phone-recorded heart sound signals. Journal of Medical Engineering and Technology, 2016, 40, 342-355.	1.4	29
36	ICU-Associated Acinetobacter baumannii Colonisation/Infection in a High HIV-Prevalence Resource-Poor Setting. PLoS ONE, 2012, 7, e52452.	2.5	29

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37	Data on the epidemiology of heart failure in Sub-Saharan Africa. Data in Brief, 2018, 17, 1218-1239.	1.0	28
38	Improvements in ECG accuracy for diagnosis of left ventricular hypertrophy in obesity. Heart, 2016, 102, 1566-1572.	2.9	27
39	Myocardial Perfusion Is Impaired and Relates to Cardiac Dysfunction in Patients With Atrial Fibrillation Both Before and After Successful Catheter Ablation. Journal of the American Heart Association, 2018, 7, e009218.	3.7	26
40	Diagnosing cardiac disease during pregnancy: imaging modalities. Cardiovascular Journal of Africa, 2016, 27, 95-103.	0.4	24
41	Heart failure in sub-Saharan Africa: A clinical approach. South African Medical Journal, 2015, 106, 23.	0.6	23
42	Health practitioners' state of knowledge and challenges to effective management of hypertension at primary level. Cardiovascular Journal of Africa, 2011, 22, 186-190.	0.4	22
43	HIV and myocarditis. Current Opinion in HIV and AIDS, 2017, 12, 561-565.	3.8	21
44	Prognostic value of NT-proBNP for myocardial recovery in peripartum cardiomyopathy (PPCM). Clinical Research in Cardiology, 2021, 110, 1259-1269.	3.3	21
45	Quality assurance of quantitative cardiac T1-mapping in multicenter clinical trials â€“ A T1 phantom program from the hypertrophic cardiomyopathy registry (HCMR) study. International Journal of Cardiology, 2021, 330, 251-258.	1.7	21
46	Healthcare Workers Bioresource: Study outline and baseline characteristics of a prospective healthcare worker cohort to study immune protection and pathogenesis in COVID-19. Wellcome Open Research, 2020, 5, 179.	1.8	21
47	Cardiovascular magnetic resonance in autoimmune rheumatic diseases: a clinical consensus document by the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2022, 23, e308-e322.	1.2	21
48	Human immunodeficiency virusâ€associated heart failure in subâ€Saharan Africa: evolution in the epidemiology, pathophysiology, and clinical manifestations in the antiretroviral era. ESC Heart Failure, 2016, 3, 158-167.	3.1	20
49	Cardiovascular magnetic resonance in women with cardiovascular disease: position statement from the Society for Cardiovascular Magnetic ResonanceÂ(SCMR). Journal of Cardiovascular Magnetic Resonance, 2021, 23, 52.	3.3	19
50	Obese Subjects Show Sex-Specific Differences in Right Ventricular Hypertrophy. Circulation: Cardiovascular Imaging, 2015, 8, .	2.6	18
51	Clinical features, spectrum of causal genetic mutations and outcome of hypertrophic cardiomyopathy in South Africans. Cardiovascular Journal of Africa, 2016, 27, 152-158.	0.4	18
52	Cardiovascular magnetic resonance characterization of myocardial and vascular function in rheumatoid arthritis patients. Hellenic Journal of Cardiology, 2019, 60, 28-35.	1.0	17
53	Sustainable low-field cardiovascular magnetic resonance in changing healthcare systems. European Heart Journal Cardiovascular Imaging, 2022, 23, e246-e260.	1.2	17
54	Signal quality classification of mobile phone-recorded phonocardiogram signals. , 2014, , .		16

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55	Characterisation of peripartum cardiomyopathy by cardiac magnetic resonance imaging. European Radiology, 2009, 19, 1324-1325.	4.5	15
56	Interplay of COVID-19 and cardiovascular diseases in Africa: an observational snapshot. Clinical Research in Cardiology, 2020, 109, 1460-1468.	3.3	15
57	Multimorbidity and cardiovascular disease: a perspective on low- and middle-income countries. Cardiovascular Diagnosis and Therapy, 2020, 10, 376-385.	1.7	15
58	Evidence-based cardiovascular magnetic resonance cost-effectiveness calculator for the detection of significant coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 1.	3.3	15
59	Severe disseminated hydatid disease successfully treated medically with prolonged administration of albendazole. QJM - Monthly Journal of the Association of Physicians, 2008, 101, 745-746.	0.5	14
60	Lessons from two SARS-CoV-2 waves in South Africa. The Lancet Global Health, 2021, 9, e1177-e1178.	6.3	14
61	Considering equity in global health collaborations: A qualitative study on experiences of equity. PLoS ONE, 2021, 16, e0258286.	2.5	14
62	Battling Cardiovascular Diseases in a Perfect Storm. Circulation, 2019, 139, 1658-1660.	1.6	13
63	Progressive human immunodeficiency virus-associated vasculopathy: time to revise antiretroviral therapy guidelines?. Cardiovascular Journal of Africa, 2011, 22, 197-200.	0.4	13
64	Human fascioliasis in South Africa. South African Medical Journal, 2013, 103, 658.	0.6	13
65	Improving cardiovascular magnetic resonance access in low- and middle-income countries for cardiomyopathy assessment: rapid cardiovascular magnetic resonance. European Heart Journal, 2022, 43, 2496-2507.	2.2	12
66	Meta-analysis of Atrial Fibrillation in Patients With Various Cardiomyopathies. American Journal of Cardiology, 2019, 124, 262-269.	1.6	11
67	Myocardial Fibrosis Among Antiretroviral Therapy-Treated Persons With Human Immunodeficiency Virus in South Africa. Open Forum Infectious Diseases, 2021, 8, ofaa600.	0.9	11
68	Healthcare Workers Bioresource: Study outline and baseline characteristics of a prospective healthcare worker cohort to study immune protection and pathogenesis in COVID-19. Wellcome Open Research, 2020, 5, 179.	1.8	10
69	Age and gender dependence of pre-contrast T1-relaxation times in normal human myocardium at 1.5T using ShMOLLI. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	3.3	9
70	Review of cardiovascular magnetic resonance in human immunodeficiency virus-associated cardiovascular disease. South African Journal of Radiology, 2017, 21, 1248.	0.3	8
71	Endothelial Dysfunction in South African Youth Living With Perinatally Acquired Human Immunodeficiency Virus on Antiretroviral Therapy. Clinical Infectious Diseases, 2020, 71, e672-e679.	5.8	8
72	The clinical, electrocardiographic and echocardiographic characteristics and long-term outcome of patients with tachycardia-induced cardiomyopathy. Cardiovascular Journal of Africa, 2012, 23, 136-142.	0.4	8

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73	HIV/AIDS affects blood and blood product use at Groote Schuur Hospital, Cape Town. South African Medical Journal, 2011, 101, 463-6.	0.6	8
74	Diameters of the normal thoracic aorta measured by cardiovascular magnetic resonance imaging; correlation with gender, body surface area and body mass index. Journal of Cardiovascular Magnetic Resonance, 2013, 15, E77.	3.3	7
75	An overview of the genetic basis of cardiovascular disease. South African Medical Journal, 2019, 109, 364.	0.6	6
76	Genetics of inherited cardiomyopathies in Africa. Cardiovascular Diagnosis and Therapy, 2020, 10, 262-278.	1.7	6
77	Cardiovascular imaging modalities in the diagnosis and management of rheumatic heart disease. International Journal of Cardiology, 2021, 325, 176-185.	1.7	6
78	Primary multifocal pyomyositis due to Staphylococcus aureus. QJM - Monthly Journal of the Association of Physicians, 2011, 104, 163-165.	0.5	5
79	Cardiovascular medicine and research in sub-Saharan Africa: challenges and opportunities. Nature Reviews Cardiology, 2019, 16, 642-644.	13.7	5
80	Rationale and design of the African Cardiomyopathy and Myocarditis Registry Program: The IMHOTEP study. International Journal of Cardiology, 2021, 333, 119-126.	1.7	5
81	A position statement and practical guide to the use of particulate filtering facepiece respirators (N95,) Tj ETQq1 1 0.784314 rgBT /Ov Mycobacterium tuberculosis and SARS-CoV-2. African Journal of Thoracic and Critical Care Medicine, 2021, 26, .	0.6	5
82	An approach to the clinical assessment and management of syncope in adults. South African Medical Journal, 2015, 105, 690.	0.6	4
83	Understanding the genetic basis of human health and disease: Role of molecular genetics in diagnosis and prognostication. South African Medical Journal, 2019, 109, 204.	0.6	4
84	Elevated Nâ€terminal prohormone of brain natriuretic peptide among persons living with HIV in a South African periâ€urban township. ESC Heart Failure, 2020, 7, 3246-3251.	3.1	4
85	An approach to the diagnosis and management of valvular heart disease. South African Medical Journal, 2015, 106, 39.	0.6	3
86	Cardiovascular magnetic resonance characterisation of pericardial and myocardial involvement in patients with tuberculous pericardial constriction with and without HIV co-infection. Journal of Cardiovascular Magnetic Resonance, 2016, 18, Q29.	3.3	3
87	Perioperative evaluation of patients who are due to undergo surgery. South African Medical Journal, 2018, 108, 367.	0.6	3
88	Identification of a POLG Variant in a Family With Arrhythmogenic Cardiomyopathy and Left Ventricular Fibrosis. Circulation Genomic and Precision Medicine, 2021, 14, e003138.	3.6	3
89	Cardiac Magnetic Resonance to Detect the Underlying Substrate in Patients with Frequent Idiopathic Ventricular Arrhythmias. Diagnostics, 2021, 11, 1109.	2.6	3
90	Research on COVID-19 in South Africa: Guiding principles for informed consent. South African Medical Journal, 2020, 110, 635-639.	0.6	3

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91	127â€...Early Manifestations of Diabetic Cardiomyopathy Assessed by Cardiac Magnetic Resonance Imaging and Spectroscopy. Heart, 2014, 100, A73-A74.	2.9	2
92	Digoxin therapy in the modern management of cardiovascular disease: An unusual but serious complication. South African Medical Journal, 2015, 105, 154.	0.6	2
93	Anaesthesia in South Africa. South African Medical Journal, 2018, 108, 455.	0.6	2
94	Health and rehabilitation sciences in a clinical context. South African Medical Journal, 2019, 109, 139.	0.6	2
95	A biphasic model for full cycle simulation of the human heart aimed at rheumatic heart disease. Computers and Structures, 2020, 232, 105920.	4.4	2
96	Cardiovascular magnetic resonance imaging in rheumatic heart disease. Cardiovascular Journal of Africa, 2018, 29, 135-136.	0.4	2
97	The state of health in South Africa: quo vadis?. Lancet, The, 2009, 374, 1500-1501.	13.7	1
98	The diagnostic performance of novel techniques for the detection of acute myocarditis: a clinical study using cardiovascular magnetic resonance imaging. Journal of Cardiovascular Magnetic Resonance, 2013, 15, P162.	3.3	1
99	Impaired myocardial perfusion in moderate asymptomatic aortic stenosis relates to longitudinal strain but not non-contrast T1 values. Journal of Cardiovascular Magnetic Resonance, 2013, 15, O24.	3.3	1
100	Specialist multidisciplinary hypertrophic cardiomyopathy clinics: should they be the standard of care?. Internal Medicine Journal, 2015, 45, 237-238.	0.8	1
101	HIV-1-related cardiovascular disease is associated with chronic inflammation, frequent pericardial effusions and increased myocardial oedema. Journal of Cardiovascular Magnetic Resonance, 2016, 18, O104.	3.3	1
102	Healthy Hearts: A student-led heart-health initiative. South African Medical Journal, 2019, 109, 450.	0.6	1
103	Evaluating the reactivation of herpesviruses and inflammation as cardiovascular and cerebrovascular risk factors in antiretroviral therapy initiators in an African HIV-infected population (RHICCA): a protocol for a longitudinal cohort study. BMJ Open, 2019, 9, e025576.	1.9	1
104	The Role of Cardiovascular Magnetic Resonance in Inflammatory Arthropathies and Systemic Rheumatic Diseases. Current Radiology Reports, 2020, 8, 1.	1.4	1
105	An initial biphasic model of the human heart aimed at computational investigation of rheumatic heart disease. , 2016, , 636-641.		1
106	Predictors of atrial emptying function in patients with hypertrophic cardiomyopathy: insights from cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	3.3	0
107	Comprehensive cardiac magnetic resonance imaging and spectroscopy reveals a high burden of myocardial disease in HIV infection. Journal of Cardiovascular Magnetic Resonance, 2013, 15, O25.	3.3	0
108	The effects of excess weight on cardiac strain and steatosis in adults and children. Journal of Cardiovascular Magnetic Resonance, 2013, 15, O30.	3.3	0

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109	Fits, faints and funny turns. South African Medical Journal, 2015, 105, 689.	0.6	0
110	Using CMR to improve the diagnostic accuracy of the ECG for the detection of left ventricular hypertrophy; production of a simple adjustment for body mass index. Journal of Cardiovascular Magnetic Resonance, 2016, 18, Q35.	3.3	0
111	In Memoriam. Circulation, 2018, 138, 1079-1081.	1.6	0
112	Professor Bongani Mayosi: A legend in our time. African Journal of Health Professions Education, 2018, 10, 143.	0.3	0
113	The most difficult of arts. South African Medical Journal, 2019, 109, 711.	0.6	0
114	Lionel Henry Opie. South African Medical Journal, 2020, 110, 266.	0.6	0
115	Abstract P327: Inflammation Associates With Lower Myocardial Function Among Antiretroviral-Treated Persons Living With HIV in South Africa. Circulation, 2020, 141, .	1.6	0
116	The Utility of High-Flow Nasal Oxygen for Severe COVID-19 Pneumonia in a Resource-Constrained Setting: A Multi-Centre Prospective Observational Study. SSRN Electronic Journal, 0, , .	0.4	0
117	Response to COVID-19 in a large academic Centre in South Africa. European Heart Journal, 2021, 42, 805-807.	2.2	0
118	Mike Kew: A physician-scientist, teacher and role model extraordinaire with an enduring influence on excellence and mentorship in medicine. South African Medical Journal, 2018, 108, 2-3.	0.6	0
119	Practice update to optimise the performance and interpretation of blood cultures: 2022. South African Medical Journal, 2022, 112, 397-402.	0.6	0
120	Chronic rheumatic heart disease with recrudescence of acute rheumatic fever on histology:a case report. European Heart Journal - Case Reports, 0, , .	0.6	0