

# Tandi E Matsha

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115 papers	8,689 citations	22 h-index	93 g-index
120 ext. papers	11,181 ext. citations	4.6 avg, IF	7.22 L-index

#	Paper	IF	Citations
115	Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 12819 million children, adolescents, and adults. <i>Lancet, The</i> , <b>2017</b> , 390, 2627-2642	40	2980
114	Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 1912 million participants. <i>Lancet, The</i> , <b>2016</b> , 387, 1377-1396	40	2787
113	Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 191 million participants. <i>Lancet, The</i> , <b>2017</b> , 389, 37-55	40	1100
112	Diabetes mellitus and inflammation. <i>Current Diabetes Reports</i> , <b>2013</b> , 13, 435-44	5.6	355
111	Trends in obesity and diabetes across Africa from 1980 to 2014: an analysis of pooled population-based studies. <i>International Journal of Epidemiology</i> , <b>2017</b> , 46, 1421-1432	7.8	127
110	Effects of diabetes definition on global surveillance of diabetes prevalence and diagnosis: a pooled analysis of 96 population-based studies with 331,288 participants. <i>Lancet Diabetes and Endocrinology, the</i> , <b>2015</b> , 3, 624-37	18.1	109
109	High prevalence of diabetes mellitus and metabolic syndrome in a South African coloured population: baseline data of a study in Bellville, Cape Town. <i>South African Medical Journal</i> , <b>2012</b> , 102, 841-4	1.5	88
108	HbA1c of 6.5% to diagnose diabetes mellitus -- does it work for us? -- the Bellville South Africa study. <i>PLoS ONE</i> , <b>2011</b> , 6, e22558	3.7	41
107	Contributions of mean and shape of blood pressure distribution to worldwide trends and variations in raised blood pressure: a pooled analysis of 1018 population-based measurement studies with 88.6 million participants. <i>International Journal of Epidemiology</i> , <b>2018</b> , 47, 872-883i	7.8	40
106	Chronic kidney diseases in mixed ancestry south African populations: prevalence, determinants and concordance between kidney function estimators. <i>BMC Nephrology</i> , <b>2013</b> , 14, 75	2.7	40
105	Exploring leukocyte O-GlcNAcylation as a novel diagnostic tool for the earlier detection of type 2 diabetes mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, 4640-9	5.6	39
104	The 30-year cardiovascular risk profile of South Africans with diagnosed diabetes, undiagnosed diabetes, pre-diabetes or normoglycaemia: the Bellville, South Africa pilot study. <i>Cardiovascular Journal of Africa</i> , <b>2012</b> , 23, 5-11	0.7	38
103	Importance of family history in type 2 black South African diabetic patients. <i>Postgraduate Medical Journal</i> , <b>2001</b> , 77, 323-5	2	32
102	A global multicenter study on reference values: 2. Exploration of sources of variation across the countries. <i>Clinica Chimica Acta</i> , <b>2017</b> , 467, 83-97	6.2	29
101	Alternative indices of glucose homeostasis as biochemical diagnostic tests for abnormal glucose tolerance in an African setting. <i>Primary Care Diabetes</i> , <b>2017</b> , 11, 119-131	2.4	28
100	Assessment of glycaemic control in stable type 2 black South African diabetics attending a peri-urban clinic. <i>Postgraduate Medical Journal</i> , <b>1999</b> , 75, 603-6	2	28
99	The fat mass and obesity-associated FTO rs9939609 polymorphism is associated with elevated homocysteine levels in patients with multiple sclerosis screened for vascular risk factors. <i>Metabolic Brain Disease</i> , <b>2014</b> , 29, 409-19	3.9	26

98	Effects of diabetes mellitus on amyotrophic lateral sclerosis: a systematic review. <i>BMC Research Notes</i> , <b>2014</b> , 7, 171	2.3	25
97	Reporting and handling of missing data in predictive research for prevalent undiagnosed type 2 diabetes mellitus: a systematic review. <i>EPMA Journal</i> , <b>2015</b> , 6, 7	8.8	23
96	The iron status of a healthy South African adult population. <i>Clinica Chimica Acta</i> , <b>2016</b> , 460, 240-5	6.2	23
95	Derivation and validation of a waist circumference optimal cutoff for diagnosing metabolic syndrome in a South African mixed ancestry population. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 2954-5	3.2	23
94	The growing importance of PON1 in cardiovascular health: a review. <i>Journal of Cardiovascular Medicine</i> , <b>2012</b> , 13, 443-53	1.9	22
93	Comparison of LDL-cholesterol estimate using the Friedewald formula and the newly proposed de Cordova formula with a directly measured LDL-cholesterol in a healthy South African population. <i>Annals of Clinical Biochemistry</i> , <b>2014</b> , 51, 672-9	2.2	21
92	Immune cell membrane fatty acids and inflammatory marker, C-reactive protein, in patients with multiple sclerosis. <i>British Journal of Nutrition</i> , <b>2009</b> , 102, 1334-40	3.6	21
91	Genetic risk of type 2 diabetes in populations of the African continent: A systematic review and meta-analyses. <i>Diabetes Research and Clinical Practice</i> , <b>2016</b> , 114, 136-50	7.4	19
90	Differential DNA methylation of microRNAs within promoters, intergenic and intragenic regions of type 2 diabetic, pre-diabetic and non-diabetic individuals. <i>Clinical Biochemistry</i> , <b>2016</b> , 49, 433-438	3.5	19
89	Optimal waist-to-height ratio values for cardiometabolic risk screening in an ethnically diverse sample of South African urban and rural school boys and girls. <i>PLoS ONE</i> , <b>2013</b> , 8, e71133	3.7	19
88	Traditional home-brewed beer consumption and iron status in patients with esophageal cancer and healthy control subjects from Transkei, South Africa. <i>Nutrition and Cancer</i> , <b>2006</b> , 56, 67-73	2.8	19
87	MicroRNA profiling and their pathways in South African individuals with prediabetes and newly diagnosed type 2 diabetes mellitus. <i>Oncotarget</i> , <b>2018</b> , 9, 30485-30498	3.3	19
86	Differential prevalence and associations of overweight and obesity by gender and population group among school learners in South Africa: a cross-sectional study. <i>BMC Obesity</i> , <b>2017</b> , 4, 29	3.6	18
85	Risk predictive modelling for diabetes and cardiovascular disease. <i>Critical Reviews in Clinical Laboratory Sciences</i> , <b>2014</b> , 51, 1-12	9.4	18
84	Recent developments in polyfluoroalkyl compounds research: a focus on human/environmental health impact, suggested substitutes and removal strategies. <i>Environmental Monitoring and Assessment</i> , <b>2017</b> , 189, 402	3.1	17
83	Genetic association studies of obesity in Africa: a systematic review. <i>Obesity Reviews</i> , <b>2015</b> , 16, 259-72	10.6	16
82	Red blood cell membrane fluidity in the etiology of multiple sclerosis. <i>Journal of Membrane Biology</i> , <b>2009</b> , 232, 25-34	2.3	16
81	Performance of glycated albumin for type 2 diabetes and prediabetes diagnosis in a South African population. <i>Clinica Chimica Acta</i> , <b>2019</b> , 488, 122-128	6.2	16

80	Gestational Exposure to Pesticides Induces Oxidative Stress and Lipid Peroxidation in Offspring that Persist at Adult Age in an Animal Model. <i>Toxicological Research</i> , <b>2019</b> , 35, 241-248	3.7	15
79	Erythrocyte membrane fatty acids in patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2009</b> , 15, 759-62	5	15
78	Contribution of ENPP1, TCF7L2, and FTO polymorphisms to type 2 diabetes in mixed ancestry ethnic population of South Africa. <i>African Health Sciences</i> , <b>2015</b> , 15, 1149-60	1.1	14
77	Prevalence, detection, treatment, and control of hypertension in human immunodeficiency virus (HIV)-infected patients attending HIV clinics in the Western Cape Province, South Africa. <i>Medicine (United States)</i> , <b>2018</b> , 97, e12121	1.8	14
76	Proliferator-activated receptor gamma Pro12Ala interacts with the insulin receptor substrate 1 Gly972Arg and increase the risk of insulin resistance and diabetes in the mixed ancestry population from South Africa. <i>BMC Genetics</i> , <b>2014</b> , 15, 10	2.6	13
75	Visceral and subcutaneous adipose tissue association with metabolic syndrome and its components in a South African population. <i>Clinical Nutrition ESPEN</i> , <b>2019</b> , 32, 76-81	1.3	12
74	Genetic factors contributing to hypertension in African-based populations: A systematic review and meta-analysis. <i>Journal of Clinical Hypertension</i> , <b>2018</b> , 20, 485-495	2.3	12
73	Three-year changes in glucose tolerance status in the Bellville South cohort: rates and phenotypes associated with progression. <i>Diabetes Research and Clinical Practice</i> , <b>2013</b> , 99, 223-30	7.4	12
72	Multiple sclerosis-associated retrovirus and related human endogenous retrovirus-W in patients with multiple sclerosis: a literature review. <i>Journal of Neuroimmunology</i> , <b>2013</b> , 263, 8-12	3.5	12
71	Metabolic syndrome in 10-16-year-old learners from the Western Cape, South Africa: Comparison of the NCEP ATP III and IDF criteria. <i>Atherosclerosis</i> , <b>2009</b> , 205, 363-6	3.1	12
70	Metabolic Syndrome in People Living with Human Immunodeficiency Virus: An Assessment of the Prevalence and the Agreement between Diagnostic Criteria. <i>International Journal of Endocrinology</i> , <b>2017</b> , 2017, 1613657	2.7	11
69	Low prevalence of human herpesvirus-6 and varicella zoster virus in blood of multiple sclerosis patients, irrespective of inflammatory status or disease progression. <i>Journal of Clinical Neuroscience</i> , <b>2014</b> , 21, 1437-40	2.2	11
68	Gamma-glutamyltransferase, insulin resistance and cardiometabolic risk profile in a middle-aged African population. <i>European Journal of Preventive Cardiology</i> , <b>2014</b> , 21, 1541-8	3.9	11
67	Periodontal Disease Status among Adults from South Africa-Prevalence and Effect of Smoking. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	10
66	Validation of two prediction models of undiagnosed chronic kidney disease in mixed-ancestry South Africans. <i>BMC Nephrology</i> , <b>2015</b> , 16, 94	2.7	10
65	Independent external validation and comparison of prevalent diabetes risk prediction models in a mixed-ancestry population of South Africa. <i>Diabetology and Metabolic Syndrome</i> , <b>2015</b> , 7, 42	5.6	10
64	Glucose Tolerance, C677T and G894T Polymorphisms, and Global DNA Methylation in Mixed Ancestry African Individuals. <i>Journal of Diabetes Research</i> , <b>2016</b> , 2016, 8738072	3.9	10
63	APOL1 genetic variants, chronic kidney diseases and hypertension in mixed ancestry South Africans. <i>BMC Genetics</i> , <b>2015</b> , 16, 69	2.6	9

62	Membrane saturated fatty acids and disease progression in multiple sclerosis patients. <i>Metabolic Brain Disease</i> , <b>2009</b> , 24, 561-8	3.9	9
61	Effects of Different Missing Data Imputation Techniques on the Performance of Undiagnosed Diabetes Risk Prediction Models in a Mixed-Ancestry Population of South Africa. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139210	3.7	9
60	Genome-Wide DNA Methylation in Mixed Ancestry Individuals with Diabetes and Prediabetes from South Africa. <i>International Journal of Endocrinology</i> , <b>2016</b> , 2016, 3172093	2.7	9
59	The Distribution of Obesity Phenotypes in HIV-Infected African Population. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	9
58	Reference interval determination for glycated albumin in defined subgroups of a South African population. <i>Annals of Clinical Biochemistry</i> , <b>2019</b> , 56, 480-487	2.2	8
57	Derivation and validation of an HbA1c optimal cutoff for diagnosing prediabetes in a South African mixed ancestry population. <i>Clinica Chimica Acta</i> , <b>2015</b> , 448, 215-9	6.2	8
56	Metabolic effects of exposure to pesticides during gestation in female Wistar rats and their offspring: a risk factor for diabetes?. <i>Toxicological Research</i> , <b>2020</b> , 36, 249-256	3.7	8
55	Do Blood Group Antigens and the Red Cell Membrane Influence Human Immunodeficiency Virus Infection?. <i>Cells</i> , <b>2020</b> , 9,	7.9	8
54	Full blood count and white cell differential count reference ranges obtained from a healthy urban South African population residing in the Western Cape of South Africa. <i>International Journal of Laboratory Hematology</i> , <b>2019</b> , 41, 635-641	2.5	8
53	Assessment of Epstein-Barr virus in blood from patients with multiple sclerosis. <i>Metabolic Brain Disease</i> , <b>2012</b> , 27, 311-8	3.9	8
52	Polymorphisms in the non-muscle myosin heavy chain gene (MYH9) are associated with lower glomerular filtration rate in mixed ancestry diabetic subjects from South Africa. <i>PLoS ONE</i> , <b>2012</b> , 7, e52529	3.7	8
51	Haematological profile of chronic kidney disease in a mixed-ancestry South African population: a cross-sectional study. <i>BMJ Open</i> , <b>2018</b> , 8, e025694	3	8
50	An African perspective on the genetic risk of chronic kidney disease: a systematic review. <i>BMC Medical Genetics</i> , <b>2018</b> , 19, 187	2.1	8
49	Platelet, monocyte and neutrophil activation and glucose tolerance in South African Mixed Ancestry individuals. <i>Scientific Reports</i> , <b>2017</b> , 7, 40329	4.9	7
48	Peripheral blood mononuclear cell membrane fluidity and disease outcome in patients with multiple sclerosis. <i>Indian Journal of Hematology and Blood Transfusion</i> , <b>2012</b> , 28, 1-6	0.7	7
47	Circulating miR-30a-5p and miR-182-5p in Prediabetes and Screen-Detected Diabetes Mellitus. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , <b>2020</b> , 13, 5037-5047	3.4	7
46	Glycated haemoglobin threshold for dysglycaemia screening, and application to metabolic syndrome diagnosis in HIV-infected Africans. <i>PLoS ONE</i> , <b>2019</b> , 14, e0211483	3.7	7
45	Propensity of L., a Medicinal Plant Commonly Used in Diabetes Management, to Accumulate Perfluoroalkyl Substances. <i>Toxics</i> , <b>2019</b> , 7,	4.7	6

44	Negative association of MC3R variants with weight and blood pressure in Cape Town pupils aged 11 - 16 years. <i>South African Medical Journal</i> , <b>2011</b> , 101, 417-20	1.5	6
43	The role of pollutants in type 2 diabetes mellitus (T2DM) and their prospective impact on phytomedicinal treatment strategies. <i>Environmental Monitoring and Assessment</i> , <b>2018</b> , 190, 262	3.1	5
42	Molecular analysis of ceruloplasmin in a South African cohort presenting with oesophageal cancer. <i>International Journal of Cancer</i> , <b>2012</b> , 131, 623-32	7.5	5
41	Methylenetetrahydrofolate (MTHFR), the One-Carbon Cycle, and Cardiovascular Risks.. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	5
40	No evidence for association of insulin receptor substrate-1 Gly972Arg variant with type 2 diabetes mellitus in a mixed-ancestry population of South Africa. <i>South African Medical Journal</i> , <b>2014</b> , 104, 420-3	1.5	4
39	Non-esterified fatty acids in blood cell membranes from patients with multiple sclerosis. <i>European Journal of Lipid Science and Technology</i> , <b>2012</b> , 114, 703-709	3	4
38	Recalibration in Validation Studies of Diabetes Risk Prediction Models: A Systematic Review. <i>International Journal of Statistics in Medical Research</i> , <b>2015</b> , 4, 347-369	3	4
37	Correlation of E-selectin concentrations with carotid intima-media thickness and cardio-metabolic profile of mixed ancestry South Africans: a cross-sectional study. <i>Annals of Clinical Biochemistry</i> , <b>2017</b> , 54, 92-100	2.2	3
36	Leucocyte Telomere Length and Glucose Tolerance Status in Mixed-Ancestry South Africans. <i>Cells</i> , <b>2019</b> , 8,	7.9	3
35	The agreement between fasting glucose and markers of chronic glycaemic exposure in individuals with and without chronic kidney disease: a cross-sectional study. <i>BMC Nephrology</i> , <b>2020</b> , 21, 32	2.7	3
34	The relationship between immunogenic red blood cell antigens and Human Immunodeficiency Virus infection. <i>Transfusion and Apheresis Science</i> , <b>2018</b> , 57, 58-62	2.4	3
33	Are Aquaporins (AQPs) the Gateway that Conduits Nutrients, Persistent Organic Pollutants and Perfluoroalkyl Substances (PFASs) into Plants?. <i>Springer Science Reviews</i> , <b>2017</b> , 5, 31-48		3
32	Predictive modeling for incident and prevalent diabetes risk evaluation. <i>Expert Review of Endocrinology and Metabolism</i> , <b>2015</b> , 10, 277-284	4.1	3
31	Obesity phenotypes and subclinical cardiovascular diseases in a mixed-ancestry South African population: a cross-sectional study. <i>Journal of Diabetes</i> , <b>2014</b> , 6, 267-70	3.8	3
30	Optimal waist circumference threshold for diagnosing metabolic syndrome in African people living with HIV infection. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183029	3.7	3
29	MicroRNAs-1299, -126-3p and -30e-3p as Potential Diagnostic Biomarkers for Prediabetes. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	3
28	Chronic kidney disease in sub-Saharan Africa. <i>The Lancet Global Health</i> , <b>2019</b> , 7, e1587-e1588	13.6	3
27	Comparison of single-slice CT and DXA-derived measures of central adiposity in South African women. <i>European Journal of Clinical Nutrition</i> , <b>2020</b> , 74, 1282-1289	5.2	2



26	Prevalence of Oral Mucosal Lesions and Relation to Serum Cotinine Levels-Findings from a Cross-Sectional Study in South Africa. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	2
25	High Molecular Weight Adiponectin Levels are Neither Influenced by Adiponectin Polymorphisms Nor Associated with Insulin Resistance in Mixed-ancestry Hyperglycemic Subjects from South Africa. <i>Journal of Medical Biochemistry</i> , <b>2016</b> , 35, 416-427	1.9	2
24	The discriminatory power of visceral adipose tissue area vs anthropometric measures as a diagnostic marker for metabolic syndrome in South African women. <i>Diabetology and Metabolic Syndrome</i> , <b>2019</b> , 11, 93	5.6	2
23	The impact of chronic untreated hyperglycaemia on the long-term stability of paraoxonase 1 (PON1) and antioxidant status in human sera. <i>Journal of Clinical Pathology</i> , <b>2014</b> , 67, 55-9	3.9	2
22	Phospholipase A2, prostaglandin E2 and polyunsaturated fatty acid metabolic abnormalities in multiple sclerosis. <i>Clinical and Experimental Neuroimmunology</i> , <b>2013</b> , 4, 288-295	0.4	2
21	Monounsaturated fatty acids in blood cell membranes from patients with multiple sclerosis. <i>Inflammation</i> , <b>2011</b> , 34, 681-7	5.1	2
20	Incidence of and MODY Variants in a South African Population. <i>The Application of Clinical Genetics</i> , <b>2020</b> , 13, 209-219	3.1	2
19	Dental caries in a South African adult population: findings from the Cape Town Vascular and Metabolic Health Study. <i>International Dental Journal</i> , <b>2020</b> , 70, 176-182	2.2	2
18	MicroRNA Profiles in Normotensive and Hypertensive South African Individuals. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 645541	5.4	2
17	Effect of model updating strategies on the performance of prevalent diabetes risk prediction models in a mixed-ancestry population of South Africa. <i>PLoS ONE</i> , <b>2019</b> , 14, e0211528	3.7	1
16	Chronic Kidney Disease Modifies The Relationship Between Body Fat Distribution and Blood Pressure: A Cross-Sectional Analysis. <i>International Journal of Nephrology and Renovascular Disease</i> , <b>2020</b> , 13, 107-118	2.5	1
15	Deterioration, improvement of kidney function over time and determinants in the Cape Town Bellville South cohort. <i>Nephrology</i> , <b>2014</b> , 19, 638-47	2.2	1
14	Associations between body fat distribution and cardiometabolic risk factors in mixed-ancestry South African women and men. <i>Cardiovascular Journal of Africa</i> , <b>2019</b> , 30, 1-10	0.7	1
13	Two novel microRNAs and their association with absolute blood pressure parameters in an urban South African community. <i>Molecular Biology Reports</i> , <b>2021</b> , 48, 2553-2560	2.8	1
12	Measured Versus Calculated Small Dense LDL-Cholesterol and Cardiometabolic Traits in a South African Population. <i>Indian Journal of Clinical Biochemistry</i> , <b>2019</b> , 34, 304-311	2.2	1
11	Novel Whole Blood MicroRNAs Predicting Chronic Kidney Disease in South Africans with Hypertension and Diabetes Mellitus. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7674	2.6	1
10	Circulating Levels of MicroRNAs Associated With Hypertension: A Cross-Sectional Study in Male and Female South African Participants. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 710438	4.5	1
9	Expression Profiles of Circulating microRNAs in South African Type 2 Diabetic Individuals on Treatment. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 702410	4.5	1

8	MicroRNAs associated with chronic kidney disease in the general population and high-risk subgroups: protocol for a systematic review and meta-analysis.. <i>BMJ Open</i> , <b>2022</b> , 12, e057500	3	1
7	Diagnosis and Treatment of MODY: An Updated Mini Review. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9436	2.6	0
6	Expression of whole blood miR-126-3p, -30a-5p, -1299, -182-5p and -30e-3p in chronic kidney disease in a South African community-based sample.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4107	4.9	0
5	Associations of leucocyte telomere length with cardio-metabolic risk profile in a South African HIV-infected population.. <i>Medicine (United States)</i> , <b>2022</b> , 101, e28642	1.8	
4	Mini review article. Human herpesvirus-6 and the etiology of multiple sclerosis: a literature review. <i>Asian Biomedicine</i> , <b>2014</b> , 8, 303-313	0.4	
3	The Role of Glycated Albumin as a Biomarker of Glycemic Control in Diabetes and Chronic Kidney Disease. <i>Biomarkers in Disease</i> , <b>2022</b> , 1-25		
2	Cardiometabolic profile and leukocyte telomere length in a Black South African population.. <i>Scientific Reports</i> , <b>2022</b> , 12, 3323	4.9	
1	Combining HbA1c and glycated albumin improves detection of dysglycaemia in mixed-ancestry South Africans. <i>EClinicalMedicine</i> , <b>2022</b> , 101443	11.3	