

Catharina Mc Mels

List of Publications by Year in Descending Order

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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.

67
papers

579
citations

13
h-index

20
g-index

75
ext. papers

683
ext. citations

2.9
avg, IF

3.73
L-index

#	Paper	IF	Citations
67	L-homoarginine is associated with decreased cardiovascular- and all-cause mortality. <i>European Journal of Clinical Investigation</i> , 2021 , 51, e13472	4.6	3
66	Central systolic blood pressure relates inversely to nitric oxide synthesis in young black adults: the African-PREDICT study. <i>Journal of Human Hypertension</i> , 2021 , 35, 985-993	2.6	3
65	Aldosterone and angiotensin II profiles in young black and white women using different hormonal contraceptives: the African-PREDICT study. <i>Journal of Human Hypertension</i> , 2021 ,	2.6	1
64	Blood pressure and nitric oxide synthesis capacity in physically active and inactive groups: the SABPA study. <i>Journal of Human Hypertension</i> , 2021 , 35, 325-333	2.6	0
63	Urinary albumin-to-creatinine ratio is inversely related to nitric oxide synthesis in young black adults: the African-PREDICT study. <i>Hypertension Research</i> , 2021 , 44, 71-79	4.7	1
62	The renin-angiotensin-system and left ventricular mass in young adults: the African-PREDICT study. <i>Blood Pressure</i> , 2021 , 30, 98-107	1.7	3
61	Urinary proteomics combined with home blood pressure telemonitoring for health care reform trial: rational and protocol. <i>Blood Pressure</i> , 2021 , 30, 269-281	1.7	2
60	Characterization of the Renin-Angiotensin-Aldosterone System in Young Healthy Black Adults: The African Prospective Study on the Early Detection and Identification of Hypertension and Cardiovascular Disease (African-PREDICT Study). <i>Hypertension</i> , 2021 , 78, 400-410	8.5	2
59	The association between serum vitamin D and body composition in South African HIV-infected women. <i>Southern African Journal of HIV Medicine</i> , 2021 , 22, 1284	1.4	
58	The Exercise, Arterial Modulation and Nutrition in Youth South Africa Study (ExAMIN Youth SA). <i>Frontiers in Pediatrics</i> , 2020 , 8, 212	3.4	5
57	Asymmetric dimethylarginine and L-homoarginine prospectively relate to carotid wall thickness in a South African cohort. <i>Amino Acids</i> , 2020 , 52, 965-973	3.5	3
56	The relationship of blood pressure with uric acid and bilirubin in young lean and overweight/obese men and women: the African-PREDICT study. <i>Journal of Human Hypertension</i> , 2020 , 34, 648-656	2.6	2
55	A comparative analysis of blood pressure in HIV-infected patients versus uninfected controls residing in Sub-Saharan Africa: a narrative review. <i>Journal of Human Hypertension</i> , 2020 , 34, 692-708	2.6	3
54	Left ventricular mass and urinary metabolomics in young black and white adults: The African-PREDICT study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020 , 30, 2051-2062	4.5	0
53	Nitric oxide-related markers link inversely to blood pressure in black boys and men: the ASOS and African-PREDICT studies. <i>Amino Acids</i> , 2020 , 52, 639-648	3.5	3
52	Three-year change in oxidative stress markers is linked to target organ damage in black and white men: the SABPA study. <i>Hypertension Research</i> , 2019 , 42, 1961-1970	4.7	3
51	The African Prospective study on the Early Detection and Identification of Cardiovascular disease and Hypertension (African-PREDICT): Design, recruitment and initial examination. <i>European Journal of Preventive Cardiology</i> , 2019 , 26, 458-470	3.9	31

50	Cardiovascular reactivity and oxidative stress in young and older adults: the African-PREDICT and SABPA studies. <i>Blood Pressure</i> , 2019 , 28, 229-238	1.7	3
49	The Association of Measures of the Micro- and Macro-Vasculature with Selenium and GPx Activity in a Young Bi-Ethnic Population: The African-PREDICT Study. <i>Journal of the American College of Nutrition</i> , 2019 , 38, 614-622	3.5	2
48	Morning Blood Pressure Surge Relates to Autonomic Neural Activity in Young Non-Dipping Adults: The African-PREDICT Study. <i>Heart Lung and Circulation</i> , 2019 , 28, 1197-1205	1.8	3
47	Morning blood pressure surge in young black and white adults: The African-PREDICT Study. <i>Journal of Human Hypertension</i> , 2019 , 33, 22-33	2.6	10
46	Iron loading, alcohol and mortality: A prospective study. <i>Clinical Nutrition</i> , 2019 , 38, 1262-1268	5.9	2
45	Selenium and large artery structure and function: a 10-year prospective study. <i>European Journal of Nutrition</i> , 2019 , 58, 3313-3323	5.2	4
44	Thiobarbituric acid-reactive substances relate to arterial stiffness and blood pressure in 6 to 8-year-old boys stratified by maternal risk. <i>Free Radical Research</i> , 2018 , 52, 180-187	4	7
43	The relation of blood pressure and carotid intima-media thickness with the glutathione cycle in a young bi-ethnic population: the African-PREDICT study. <i>Journal of Human Hypertension</i> , 2018 , 32, 268-277 ⁶	2.6	2
42	Serum selenium levels, the selenoprotein glutathione peroxidase and vascular protection: The SABPA study. <i>Food Research International</i> , 2018 , 104, 69-76	7	9
41	Bioavailable IGF-1 is beneficially associated with biomarkers of endothelial function in young healthy adults: The African-PREDICT study. <i>Growth Hormone and IGF Research</i> , 2018 , 41, 28-33	2	2
40	Cardiac Troponin T as Early Marker of Subclinical Cardiovascular Deterioration in Black Hypertensive Women. <i>Heart Lung and Circulation</i> , 2017 , 26, 825-832	1.8	1
39	Defensive coping and essential amino acid markers as possible predictors for structural vascular disease in an African and Caucasian male cohort: The SABPA study. <i>Psychophysiology</i> , 2017 , 54, 696-705	4.1	2
38	Association of 25-hydroxyvitamin D and parathyroid hormone with the metabolic syndrome in black South African women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017 , 42, 413-419	3	4
37	Recent advances in understanding hypertension development in sub-Saharan Africa. <i>Journal of Human Hypertension</i> , 2017 , 31, 491-500	2.6	25
36	Asymmetric dimethylarginine and symmetric dimethylarginine prospectively relates to carotid wall thickening in black men: the SABPA study. <i>Amino Acids</i> , 2017 , 49, 1843-1853	3.5	5
35	Three-year change in endothelin-1 and markers of vascular remodelling in a bi-ethnic South African cohort: the SABPA study. <i>Journal of Human Hypertension</i> , 2017 , 31, 708-714	2.6	1
34	Change in renin, cardiovascular and inflammatory markers over three years in a black and white population: the SABPA study. <i>BMC Cardiovascular Disorders</i> , 2017 , 17, 104	2.3	2
33	The association of endothelin-1 with markers of oxidative stress in a biethnic South African cohort: the SABPA study. <i>Hypertension Research</i> , 2017 , 40, 189-195	4.7	8

32	Attenuated IGF-1 predicts all-cause and cardiovascular mortality in a Black population: A five-year prospective study. <i>European Journal of Preventive Cardiology</i> , 2016 , 23, 1690-1699	3.9	13
31	Nitric oxide synthesis capacity, ambulatory blood pressure and end organ damage in a black and white population: the SABPA study. <i>Amino Acids</i> , 2016 , 48, 801-810	3.5	13
30	The relationship of nitric oxide synthesis capacity, oxidative stress, and albumin-to-creatinine ratio in black and white men: the SABPA study. <i>Age</i> , 2016 , 38, 9		13
29	Antioxidant enzyme activity is associated with blood pressure and carotid intima media thickness in black men and women: The SABPA study. <i>Atherosclerosis</i> , 2016 , 248, 91-6	3.1	8
28	Cardiovascular function is not associated with creatine kinase activity in a black African population: The SABPA study. <i>BMC Cardiovascular Disorders</i> , 2016 , 16, 134	2.3	7
27	Retinal vessel caliber and its relationship with nocturnal blood pressure dipping status: the SABPA study. <i>Hypertension Research</i> , 2016 , 39, 730-736	4.7	9
26	The association of oxidative stress with arterial compliance and vascular resistance in a bi-ethnic population: the SABPA study. <i>Free Radical Research</i> , 2016 , 50, 920-8	4	13
25	Quantification of systemic renin-angiotensin system peptides of hypertensive black and white African men established from the RAS-Fingerprint. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2016 , 17,	3	22
24	Masked hypertension and its associated cardiovascular risk in young individuals: the African-PREDICT study. <i>Hypertension Research</i> , 2016 , 39, 158-65	4.7	24
23	Leptin is positively associated with blood pressure in african men with a low body mass index: the SAfrEIC study. <i>Hormone and Metabolic Research</i> , 2015 , 47, 145-51	3.1	7
22	Ethnic-specific relationships between haemostatic and oxidative stress markers in black and white South Africans: The SABPA study. <i>Clinical and Experimental Hypertension</i> , 2015 , 37, 511-7	2.2	9
21	Cornell product relates to albuminuria in hypertensive black adults independently of blood pressure: the SABPA study. <i>Journal of the American Society of Hypertension</i> , 2015 , 9, 115-22		2
20	The Association of Endothelin-1 with Markers of Arterial Stiffness in Black South African Women: The SABPA Study. <i>Journal of Amino Acids</i> , 2015 , 2015, 481517		6
19	8-Oxo-7,8-dihydro-2-Deoxyguanosine, reactive oxygen species and ambulatory blood pressure in African and Caucasian men: the SABPA study. <i>Free Radical Research</i> , 2014 , 48, 1291-9	4	12
18	Compromised bioavailable IGF-1 of black men relates favourably to ambulatory blood pressure: The SABPA study. <i>Atherosclerosis</i> , 2014 , 233, 139-44	3.1	10
17	Cardiometabolic markers to identify cardiovascular disease risk in HIV-infected black South Africans. <i>South African Medical Journal</i> , 2014 , 104, 195-9	1.5	8
16	Chronic distress and acute vascular stress responses associated with ambulatory blood pressure in low-testosterone African men: the SABPA Study. <i>Journal of Human Hypertension</i> , 2014 , 28, 393-8	2.6	4
15	Urinary albumin excretion from spot urine samples predict all-cause and stroke mortality in Africans. <i>American Journal of Hypertension</i> , 2014 , 27, 811-8	2.3	9

14	Defensive coping facilitates higher blood pressure and early sub-clinical structural vascular disease via alterations in heart rate variability: the SABPA study. <i>Atherosclerosis</i> , 2013 , 227, 391-7	3.1	34
13	The link between vascular deterioration and branched chain amino acids in a population with high glycated haemoglobin: the SABPA study. <i>Amino Acids</i> , 2013 , 45, 1405-13	3.5	19
12	L-carnitine and long-chain acylcarnitines are positively correlated with ambulatory blood pressure in humans: the SABPA study. <i>Lipids</i> , 2013 , 48, 63-73	1.6	11
11	Testosterone and acute stress are associated with fibrinogen and von Willebrand factor in African men: the SABPA study. <i>International Journal of Cardiology</i> , 2013 , 168, 4638-42	3.2	10
10	Alkaline phosphatase and arterial structure and function in hypertensive African men: the SABPA study. <i>International Journal of Cardiology</i> , 2013 , 167, 1995-2001	3.2	13
9	Low testosterone and hyperkinetic blood pressure responses in a cohort of South African men: the SABPA Study. <i>Clinical and Experimental Hypertension</i> , 2013 , 35, 228-35	2.2	5
8	Exploring the link between cardiovascular reactivity and end-organ damage in African and Caucasian men: the SABPA study. <i>American Journal of Hypertension</i> , 2013 , 26, 68-75	2.3	21
7	A comparison of the association between glomerular filtration and L-arginine status in HIV-infected and uninfected African men: the SAfrEIC study. <i>Journal of Human Hypertension</i> , 2013 , 27, 557-63	2.6	3
6	Carotid cross-sectional wall area is significantly associated with serum leptin levels, independent of body mass index: the SABPA study. <i>Hypertension Research</i> , 2012 , 35, 1185-92	4.7	7
5	Ethnicity-specific differences in L-arginine status in South African men. <i>Journal of Human Hypertension</i> , 2012 , 26, 737-43	2.6	16
4	Are behavioural risk factors to be blamed for the conversion from optimal blood pressure to hypertensive status in Black South Africans? A 5-year prospective study. <i>International Journal of Epidemiology</i> , 2012 , 41, 1114-23	7.8	76
3	Sex hormones associated with subclinical kidney damage and atherosclerosis in South African men: the SABPA study. <i>Journal of Hypertension</i> , 2012 , 30, 2387-94	1.9	5
2	Increased excretion of c4-carnitine species after a therapeutic acetylsalicylic Acid dose: evidence for an inhibitory effect on short-chain Fatty Acid metabolism. <i>ISRN Pharmacology</i> , 2011 , 2011, 851870		9
1	Unbalanced biotransformation metabolism and oxidative stress status: implications for deficient fatty acid oxidation. <i>Health</i> , 2011 , 03, 43-48	0.4	2