Marlien Pieters

List of Publications by Year
in descending order

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Version: 2024-02-01

84 papers	1,648 citations	411340 20 h-index	388640 36 g-index
84 all docs	84 docs citations	84 times ranked	2362 citing authors

#	Article	IF	Citations
1	Lifestyle Influences Changes in Fibrin Clot Properties Over a 10-Year Period on a Population Level. Thrombosis and Haemostasis, 2022, 122, 067-079.	1.8	6
2	The association between an energy-adjusted dietary inflammatory index and inflammation in rural and urban Black South Africans. Public Health Nutrition, 2022, 25, 3432-3444.	1.1	4
3	The Metabolic Profiles of Metabolically Healthy Obese and Metabolically Unhealthy Obese South African Adults over 10 Years. International Journal of Environmental Research and Public Health, 2022, 19, 5061.	1.2	3
4	Determinants of plasma fibrin clot lysis measured using three different assays in healthy subjects. Thrombosis Research, 2021, 197, 1-7.	0.8	18
5	Biomarker association with cardiovascular disease and mortality â€“ The role of fibrinogen. A report from the NHANES study. Thrombosis Research, 2021, 198, 182-189.	0.8	11
6	Comparison of DNA methylation clocks in Black South African men. Epigenomics, 2021, 13, 437-449.	1.0	4
7	Lifestyle factors associated with the transition from healthy to unhealthy adiposity among black South African adults over 10 years. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 2023-2032.	1.1	6
8	Epigenetic-age acceleration in the emerging burden of cardiometabolic diseases among migrant and non-migrant African populations: a population-based cross-sectional RODAM substudy. The Lancet Healthy Longevity, 2021, 2, e327-e339.	2.0	11
9	The Relationship of Circulating Homocysteine with Fibrinogen, Blood Pressure, and Other Cardiovascular Measures in African Adolescents. Journal of Pediatrics, 2021, 234, 158-163.e2.	0.9	6
10	Certain Associations Between Iron Biomarkers and Total and Î³' Fibrinogen and Plasma Clot Properties Are Mediated by Fibrinogen Genotypes. Frontiers in Nutrition, 2021, 8, 720048.	1.6	2
11	Retinal vasodilatory responses are inversely associated with plasminogen activator inhibitor-1: The African-PREDICT study. Microvascular Research, 2021, 137, 104180.	1.1	0
12	Automated Fiber Diameter and Porosity Measurements of Plasma Clots in Scanning Electron Microscopy Images. Biomolecules, 2021, 11, 1536.	1.8	9
13	Small Molecules: A Novel Approach to Alter Fibrinogen Production and Impact Venous Thrombosis. Thrombosis and Haemostasis, 2021, 121, 408-408.	1.8	0
14	Fibrinogen and Fibrin. Sub-Cellular Biochemistry, 2021, 96, 471-501.	1.0	38
15	Replication and expansion of epigenome-wide association literature in a black South African population. Clinical Epigenetics, 2020, 12, 6.	1.8	17
16	Interpretation and Validation of Maximum Absorbance Data Obtained from Turbidimetry Analysis of Plasma Clots. Thrombosis and Haemostasis, 2020, 120, 044-054.	1.8	20
17	The association of PAI-1 with 24 h blood pressure in young healthy adults is influenced by smoking and alcohol use: The African-PREDICT study. Nutrition, Metabolism and Cardiovascular Diseases, 2020, 30, 2063-2071.	1.1	4
18	Methylation vs. Protein Inflammatory Biomarkers and Their Associations With Cardiovascular Function. Frontiers in Immunology, 2020, 11, 1577.	2.2	4

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19	Leveraging the urbanâ€“rural divide for epigenetic research. Epigenomics, 2020, 12, 1071-1081.	1.0	4
20	The association of alcohol with circulating total fibrinogen and plasma clot density is mediated by fibrinogen and FXIII genotypes. Thrombosis Journal, 2020, 18, 35.	0.9	4
21	Professor HH Vorster (1943â€“2020). Public Health Nutrition, 2020, 23, 2654-2654.	1.1	0
22	Automated Fiber Diameter and Porosity Measurement of Fibrin Clots in SEM Images. Biophysical Journal, 2020, 118, 293a.	0.2	1
23	Diet and sedentary behaviour in relation to mortality in US adults with a cardiovascular condition: results from the National Health and Nutrition Examination Survey linked to the US mortality registry. British Journal of Nutrition, 2020, 124, 1329-1337.	1.2	7
24	Trends in alcohol consumption in relation to cause-specific and all-cause mortality in the United States: a report from the NHANES linked to the US mortality registry. American Journal of Clinical Nutrition, 2020, 111, 580-589.	2.2	25
25	Diet and sedentary behaviour in relation to cancer survival. A report from the national health and nutrition examination survey linked to the U.S. mortality registry. Clinical Nutrition, 2020, 39, 3489-3496.	2.3	15
26	The African Prospective study on the Early Detection and Identification of Cardiovascular disease and Hypertension (African-PREDICT): Design, recruitment and initial examination. European Journal of Preventive Cardiology, 2019, 26, 458-470.	0.8	53
27	Fibrinogen and fibrin: An illustrated review. Research and Practice in Thrombosis and Haemostasis, 2019, 3, 161-172.	1.0	151
28	Plasma phospholipid fatty acids are associated with altered fibrin clot properties in a population-based setting. Prostaglandins Leukotrienes and Essential Fatty Acids, 2019, 143, 1-7.	1.0	3
29	Plasminogen activator inhibitor-1 activity and the 4G/5G polymorphism are prospectively associated with blood pressure and hypertension status. Journal of Hypertension, 2019, 37, 2361-2370.	0.3	11
30	Plasma phospholipid fatty acid patterns are associated with adiposity and the metabolic syndrome in black South Africans: a cross-sectional study. Cardiovascular Journal of Africa, 2019, 30, 228-238.	0.2	6
31	An international study on the feasibility of a standardized combined plasma clot turbidity and lysis assay: communication from the SSC of the ISTH. Journal of Thrombosis and Haemostasis, 2018, 16, 1007-1012.	1.9	85
32	Candidate gene analysis of the fibrinogen phenotype reveals the importance of polygenic co-regulation. Matrix Biology, 2017, 60-61, 16-26.	1.5	14
33	Association of 25-hydroxyvitamin D and parathyroid hormone with the metabolic syndrome in black South African women. Applied Physiology, Nutrition and Metabolism, 2017, 42, 413-419.	0.9	7
34	Protein and fat meal content increase insulin requirement in children with type 1 diabetes â€“ Role of duration of diabetes. Journal of Clinical and Translational Endocrinology, 2017, 10, 15-21.	1.0	21
35	Risk factor profile of coronary artery disease in black South Africans. SA Heart Journal, 2017, 7, .	0.0	0
36	Clot Structure and Fibrinolysis in Thrombosis and Hemostasis. BioMed Research International, 2017, 2017, 1-2.	0.9	8

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37	The effects of residual platelets in plasma on plasminogen activator inhibitor-1 and plasminogen activator inhibitor-1-related assays. PLoS ONE, 2017, 12, e0171271.	1.1	11
38	Nonuniform Internal Structure of Fibrin Fibers: Protein Density and Bond Density Strongly Decrease with Increasing Diameter. BioMed Research International, 2017, 2017, 1-13.	0.9	18
39	Fibrinogen and clot-related phenotypes determined by fibrinogen polymorphisms: Independent and IL-6-interactive associations. PLoS ONE, 2017, 12, e0187712.	1.1	21
40	Fibrin Fiber Stiffness Is Strongly Affected by Fiber Diameter, but Not by Fibrinogen Glycation. Biophysical Journal, 2016, 110, 1400-1410.	0.2	101
41	The contribution of different adipose tissue depots to plasma plasminogen activator inhibitor-1 (PAI-1) levels. Blood Reviews, 2016, 30, 421-429.	2.8	37
42	Degree of obesity influences the relationship of PAI-1 with body fat distribution and metabolic variables in African women. Thrombosis Research, 2016, 146, 95-102.	0.8	6
43	Genetic polymorphisms influencing total and Î³â€² fibrinogen levels and fibrin clot properties in <scp>A</scp>fricans. British Journal of Haematology, 2015, 168, 102-112.	1.2	15
44	Retinal vessel calibres and haemostasis in black and white South Africans. Journal of Hypertension, 2015, 33, 2483-2490.	0.3	6
45	Homocysteine influences blood clot properties alone and in combination with total fibrinogen but not with fibrinogen Î³â€² in Africans. Blood Coagulation and Fibrinolysis, 2015, 26, 389-395.	0.5	4
46	Diet and haemostasis â€" A comprehensive overview. Blood Reviews, 2015, 29, 231-241.	2.8	23
47	The association of clot lysis time with total obesity is partly independent from the association of PAI-1 with central obesity in African adults. Thrombosis Research, 2015, 136, 415-421.	0.8	13
48	The contribution of genetic and environmental factors to changes in total and Î³â€™ fibrinogen over 5years. Thrombosis Research, 2015, 135, 703-709.	0.8	3
49	Ethnic-specific relationships between haemostatic and oxidative stress markers in black and white South Africans: The SABPA study. Clinical and Experimental Hypertension, 2015, 37, 511-517.	0.5	11
50	The use of predefined diet quality scores in the context of CVD risk during urbanization in the South African Prospective Urban and Rural Epidemiological (PURE) study. Public Health Nutrition, 2014, 17, 1706-1716.	1.1	11
51	CVD risk factors are related to plasma fibrin clot properties independent of total and or Î³â€™ fibrinogen concentration. Thrombosis Research, 2014, 134, 963-969.	0.8	19
52	Relationship of coagulation and fibrinolytic variables with arterial structure and function in Africans. Thrombosis Research, 2014, 134, 78-83.	0.8	7
53	The Effect of Disease and Exercise on Single Fibrin Fiber Mechanical Properties. Biophysical Journal, 2014, 106, 390a.	0.2	0
54	D-dimer relates positively with increased blood pressure in black South Africans: The SABPA study. Thrombosis Research, 2014, 133, 1152-1157.	0.8	13

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55	Interactions between C-Reactive Protein Genotypes with Markers of Nutritional Status in Relation to Inflammation. Nutrients, 2014, 6, 5034-5050.	1.7	16
56	Effect of Disease and Acute Exercise on Single Fibrin Fiber Properties. Biophysical Journal, 2013, 104, 513a.	0.2	2
57	Evidence that fibrinogen Î³â€² regulates plasma clot structure and lysis and relationship to cardiovascular risk factors in black Africans. Blood, 2013, 121, 3254-3260.	0.6	35
58	In Black South Africans from Rural and Urban Communities, the 4G/5G PAI-1 Polymorphism Influences PAI-1 Activity, but Not Plasma Clot Lysis Time. PLoS ONE, 2013, 8, e83151.	1.1	6
59	An international study on the standardization of fibrin clot permeability measurement: methodological considerations and implications for healthy control values. Journal of Thrombosis and Haemostasis, 2012, 10, 2179-2181.	1.9	57
60	No Effect of Ethanol Intake on Thrombin Generation Parameters. Thrombosis Research, 2012, 129, 530-531.	0.8	2
61	Plasma Clot Lysis Time and Its Association with Cardiovascular Risk Factors in Black Africans. PLoS ONE, 2012, 7, e48881.	1.1	19
62	Fibrinogen concentration and its role in CVD risk in black South Africans â€“ effect of urbanisation. Thrombosis and Haemostasis, 2011, 106, 448-456.	1.8	18
63	Antidiabetic effects of <i>Aloe ferox</i> and <i>Aloe greatheadii</i> var. <i>davyana</i> leaf gel extracts in a low-dose streptozotocin diabetes rat model. South African Journal of Science, 2011, 107, .	0.3	18
64	Is HIV-1 infection associated with endothelial dysfunction in a population of African ancestry in South Africa?. Cardiovascular Journal of Africa, 2011, 22, 134-140.	0.2	38
65	Triglyceride concentration and waist circumference influence alcohol-related plasminogen activator inhibitor-1 activity increase in black South Africans. Blood Coagulation and Fibrinolysis, 2010, 21, 736-743.	0.5	6
66	The effect of ethanol and its metabolism on fibrinolysis. Thrombosis and Haemostasis, 2010, 104, 724-733.	1.8	13
67	Nutrition and hemostasis: A focus on urbanization in South Africa. Molecular Nutrition and Food Research, 2008, 52, 164-172.	1.5	26
68	The process of nutrient analysis for controlled feeding trials: A comparative study of two South African nutrient databases with chemical analysis. Contemporary Clinical Trials, 2008, 29, 493-500.	0.8	2
69	Measuring the glycemic index of foods: interlaboratory study. American Journal of Clinical Nutrition, 2008, 87, 247S-257S.	2.2	166
70	Overfatness, stunting and physical inactivity are determinants of plasminogen activator inhibitor-1activity, fibrinogen and thrombinâ€“antithrombin complex in African adolescents. Blood Coagulation and Fibrinolysis, 2008, 19, 361-368.	0.5	18
71	Glycaemic control improves fibrin network characteristics in type 2 diabetes â€“ A purified fibrinogen model. Thrombosis and Haemostasis, 2008, 99, 691-700.	1.8	61
72	Glycation of fibrinogen in uncontrolled diabetic patients and the effects of glycaemic control on fibrinogen glycation. Thrombosis Research, 2007, 120, 439-446.	0.8	48

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73	Differences in the association of PAI-1 activity with the metabolic syndrome between African and Caucasian women. Nutrition, Metabolism and Cardiovascular Diseases, 2007, 17, 499-507.	1.1	15
74	Ultrastructural comparison of the morphology of three different platelet and fibrin fiber preparations. Anatomical Record, 2007, 290, 188-198.	0.8	35
75	The effect of glycaemic control on fibrin network structure of type 2 diabetic subjects. Thrombosis and Haemostasis, 2006, 96, 623-629.	1.8	34
76	The effect of glycaemic control on fibrin network structure of type 2 diabetic subjects. Thrombosis and Haemostasis, 2006, 96, 623-9.	1.8	21
77	Clustering of haemostatic variables and the effect of high cashew and walnut diets on these variables in metabolic syndrome patients. Blood Coagulation and Fibrinolysis, 2005, 16, 429-437.	0.5	20
78	Measuring the glycaemic index â€“ consensus and issues of debate. South African Journal of Clinical Nutrition, 2005, 18, 232-236.	0.3	2
79	More evidence for capillary sampling in the determination of glycaemic index. South African Journal of Clinical Nutrition, 2005, 18, 238-242.	0.3	2
80	The effect of 40 kHz ultrasound on tissue plasminogen activator-induced clot lysis in three in vitro models. Ultrasound in Medicine and Biology, 2004, 30, 1545-1552.	0.7	22
81	The effect of red palm olein and refined palm olein on lipids and haemostatic factors in hyperfibrinogenaemic subjects. Thrombosis Research, 2004, 113, 13-25.	0.8	24
82	Foodstate vitamin C complex may beneficially affect haemostasis and fibrin network structure in hyperlipidaemic patients. Blood Coagulation and Fibrinolysis, 2004, 15, 677-685.	0.5	8
83	Effect of freeze-drying, freezing and frozen storage of blood plasma on fibrin network characteristics. Thrombosis Research, 2002, 107, 263-269.	0.8	17
84	Associations Between 25-Hydroxyvitamin D and Total and Î³' Fibrinogen and Plasma Clot Properties and Gene Interactions in a Group of Healthy Black South African Women. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	0