

Casper G Schalkwijk

List of Publications by Year in descending order

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Version: 2024-02-01

253
papers

12,738
citations

22099

59
h-index

32761

100
g-index

255
all docs

255
docs citations

255
times ranked

18876
citing authors

#	ARTICLE	IF	CITATIONS
1	Habitual intake of dietary advanced glycation end products is not associated with generalized microvascular function—the Maastricht Study. <i>American Journal of Clinical Nutrition</i> , 2022, 115, 444-455.	2.2	8
2	Higher habitual intake of dietary dicarbonyls is associated with higher corresponding plasma dicarbonyl concentrations and skin autofluorescence: the Maastricht Study. <i>American Journal of Clinical Nutrition</i> , 2022, 115, 34-44.	2.2	17
3	Extracerebral microvascular dysfunction is related to brain MRI markers of cerebral small vessel disease: The Maastricht Study. <i>GeroScience</i> , 2022, 44, 147-157.	2.1	10
4	Cardiac inflammation and microvascular procoagulant changes are decreased in second wave compared to first wave deceased COVID-19 patients. <i>International Journal of Cardiology</i> , 2022, 349, 157-165.	0.8	10
5	Serum sex hormone-binding globulin levels are reduced and inversely associated with intrahepatic lipid content and saturated fatty acid fraction in adult patients with glycogen storage disease type 1a. <i>Journal of Endocrinological Investigation</i> , 2022, 45, 1227-1234.	1.8	4
6	Intrahepatic lipid content is independently associated with soluble E-selectin levels: The Maastricht study. <i>Digestive and Liver Disease</i> , 2022, 54, 1038-1043.	0.4	3
7	Sedentary behaviour and physical activity are associated with biomarkers of endothelial dysfunction and low-grade inflammation—relevance for (pre)diabetes: The Maastricht Study. <i>Diabetologia</i> , 2022, 65, 777-789.	2.9	32
8	Fructose Intake From Fruit Juice and Sugar-Sweetened Beverages Is Associated With Higher Intrahepatic Lipid Content: The Maastricht Study. <i>Diabetes Care</i> , 2022, 45, 1116-1123.	4.3	11
9	Effects of Diet-Induced Weight Loss on Plasma Markers for Cholesterol Absorption and Synthesis: Secondary Analysis of a Randomized Trial in Abdominally Obese Men. <i>Nutrients</i> , 2022, 14, 1546.	1.7	2
10	Liraglutide treatment attenuates inflammation markers in the cardiac, cerebral and renal microvasculature in streptozotocin-induced diabetic rats. <i>European Journal of Clinical Investigation</i> , 2022, 52, e13807.	1.7	9
11	A 4-Week Diet Low or High in Advanced Glycation Endproducts Has Limited Impact on Gut Microbial Composition in Abdominally Obese Individuals: The deAGEing Trial. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5328.	1.8	13
12	Immunometabolism and the modulation of immune responses and host defense: A role for methylglyoxal?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166425.	1.8	5
13	Soluble RAGE Prevents Type 1 Diabetes Expanding Functional Regulatory T Cells. <i>Diabetes</i> , 2022, 71, 1994-2008.	0.3	8
14	Irbesartan treatment does not influence plasma levels of the dicarbonyls methylglyoxal, glyoxal and 3-deoxyglucosone in participants with type 2 diabetes and microalbuminuria: An IRMA2 substudy. <i>Diabetic Medicine</i> , 2021, 38, e14405.	1.2	5
15	Fasting and post-oral-glucose-load levels of methylglyoxal are associated with microvascular, but not macrovascular, disease in individuals with and without (pre)diabetes: The Maastricht Study. <i>Diabetes and Metabolism</i> , 2021, 47, 101148.	1.4	14
16	Soluble Receptor for Advanced Glycation End-products (sRAGE) and Colorectal Cancer Risk: A Case-Control Study Nested within a European Prospective Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021, 30, 182-192.	1.1	7
17	Quantification of dicarbonyl compounds in commonly consumed foods and drinks; presentation of a food composition database for dicarbonyls. <i>Food Chemistry</i> , 2021, 339, 128063.	4.2	70
18	Plasma Methylglyoxal Levels Are Associated With Amputations and Mortality in Severe Limb Ischemia Patients With and Without Diabetes. <i>Diabetes Care</i> , 2021, 44, 157-163.	4.3	11

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19	The hypoxia-sensor carbonic anhydrase IX affects macrophage metabolism, but is not a suitable biomarker for human cardiovascular disease. <i>Scientific Reports</i> , 2021, 11, 425.	1.6	7
20	Polymorphisms in Glyoxalase I Gene Are Not Associated with Glyoxalase I Expression in Whole Blood or Markers of Methylglyoxal Stress: The CODAM Study. <i>Antioxidants</i> , 2021, 10, 219.	2.2	2
21	C3 and alternative pathway components are associated with an adverse lipoprotein subclass profile: The CODAM study. <i>Journal of Clinical Lipidology</i> , 2021, 15, 311-319.	0.6	10
22	Plasma concentrations of advanced glycation end-products and colorectal cancer risk in the EPIC study. <i>Carcinogenesis</i> , 2021, 42, 705-713.	1.3	7
23	Relationship between de novo lipogenesis and serum sex hormone binding globulin in humans. <i>Clinical Endocrinology</i> , 2021, 95, 101-106.	1.2	11
24	Metformin and N-terminal pro B-type natriuretic peptide in type 2 diabetes patients, a post-hoc analysis of a randomized controlled trial. <i>PLoS ONE</i> , 2021, 16, e0247939.	1.1	3
25	Dietary intake of advanced glycation endproducts and risk of hepatobiliary cancers: A multinational cohort study. <i>International Journal of Cancer</i> , 2021, 149, 854-864.	2.3	12
26	Diet-induced weight loss reduces postprandial dicarbonyl stress in abdominally obese men: Secondary analysis of a randomized controlled trial. <i>Clinical Nutrition</i> , 2021, 40, 2654-2662.	2.3	9
27	Habitual Intake of Dietary Advanced Glycation End Products Is Not Associated with Arterial Stiffness of the Aorta and Carotid Artery in Adults: The Maastricht Study. <i>Journal of Nutrition</i> , 2021, 151, 1886-1893.	1.3	7
28	Altered hepatic sphingolipid metabolism in insulin resistant mice: Role of advanced glycation endproducts. <i>Free Radical Biology and Medicine</i> , 2021, 169, 425-435.	1.3	12
29	Short Duration Alagebrium Chloride Therapy Prediabetes Does Not Inhibit Progression to Autoimmune Diabetes in an Experimental Model. <i>Metabolites</i> , 2021, 11, 426.	1.3	2
30	Systemic inflammation down-regulates glyoxalase-1 expression: an experimental study in healthy males. <i>Bioscience Reports</i> , 2021, 41, .	1.1	2
31	Quantification of the B6 vitamers in human plasma and urine in a study with pyridoxamine as an oral supplement; pyridoxamine as an alternative for pyridoxine. <i>Clinical Nutrition</i> , 2021, 40, 4624-4632.	2.3	9
32	The role of serum and dietary advanced glycation endproducts in relation to cardiac function and structure: The Hoorn Study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 3167-3175.	1.1	4
33	The Glyoxalase System in Age-Related Diseases: Nutritional Intervention as Anti-Ageing Strategy. <i>Cells</i> , 2021, 10, 1852.	1.8	18
34	Deletion of RAGE fails to prevent hepatosteatosis in obese mice due to impairment of other AGEs receptors and detoxifying systems. <i>Scientific Reports</i> , 2021, 11, 17373.	1.6	6
35	Dietary Advanced Glycation End-Products and Colorectal Cancer Risk in the European Prospective Investigation into Cancer and Nutrition (EPIC) Study. <i>Nutrients</i> , 2021, 13, 3132.	1.7	12
36	Dietary advanced glycation endproducts (AGEs) increase their concentration in plasma and tissues, result in inflammation and modulate gut microbial composition in mice; evidence for reversibility. <i>Food Research International</i> , 2021, 147, 110547.	2.9	41

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37	Low-grade inflammation and endothelial dysfunction predict four-year risk and course of depressive symptoms: The Maastricht study. <i>Brain, Behavior, and Immunity</i> , 2021, 97, 61-67.	2.0	14
38	The Putative Role of Methylglyoxal in Arterial Stiffening: A Review. <i>Heart Lung and Circulation</i> , 2021, 30, 1681-1693.	0.2	9
39	Effects of fructose restriction on liver steatosis (FRUITLESS); a double-blind randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 391-400.	2.2	37
40	Exercise SBP response and incident depressive symptoms: The Maastricht Study. <i>Journal of Hypertension</i> , 2021, 39, 494-502.	0.3	2
41	Association of tear fluid amyloid and tau levels with disease severity and neurodegeneration. <i>Scientific Reports</i> , 2021, 11, 22675.	1.6	27
42	Myocardial infarction coincides with increased NOX2 and N ¹ μ-(carboxymethyl) lysine expression in the cerebral microvasculature. <i>Open Heart</i> , 2021, 8, e001842.	0.9	3
43	An interferon-related signature characterizes the whole blood transcriptome profile of insulin-resistant individuals—the CODAM study. <i>Genes and Nutrition</i> , 2021, 16, 22.	1.2	3
44	Methylglyoxal, a Highly Reactive Dicarbonyl Compound, in Diabetes, Its Vascular Complications, and Other Age-Related Diseases. <i>Physiological Reviews</i> , 2020, 100, 407-461.	13.1	293
45	Advanced glycation endproducts and dicarbonyls in end-stage renal disease: associations with uraemia and courses following renal replacement therapy. <i>CKJ: Clinical Kidney Journal</i> , 2020, 13, 855-866.	1.4	7
46	High-density lipoprotein cholesterol efflux capacity is not associated with atherosclerosis and prevalence of cardiovascular outcome: The CODAM study. <i>Journal of Clinical Lipidology</i> , 2020, 14, 122-132.e4.	0.6	19
47	Dietary intake of advanced glycation end products (AGEs) and changes in body weight in European adults. <i>European Journal of Nutrition</i> , 2020, 59, 2893-2904.	1.8	33
48	Recent advances in the pathogenesis of hereditary fructose intolerance: implications for its treatment and the understanding of fructose-induced non-alcoholic fatty liver disease. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 1709-1719.	2.4	33
49	Microvascular Dysfunction Is Associated With Worse Cognitive Performance. <i>Hypertension</i> , 2020, 75, 237-245.	1.3	47
50	Postprandial Glucose Spikes, an Important Contributor to Cardiovascular Disease in Diabetes?. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 570553.	1.1	29
51	Development and validation of a UPLC-MS/MS method to quantify fructose in serum and urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1155, 122299.	1.2	8
52	Serum Matrix Metalloproteinases and Left Atrial Remodeling—the Hoorn Study. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4944.	1.8	8
53	Blood pressure variability and microvascular dysfunction: the Maastricht Study. <i>Journal of Hypertension</i> , 2020, 38, 1541-1550.	0.3	11
54	Is skin autofluorescence (SAF) representative of dermal advanced glycation endproducts (AGEs) in dark skin? A pilot study. <i>Heliyon</i> , 2020, 6, e05364.	1.4	9

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55	Kidney and vascular function in adult patients with hereditary fructose intolerance. <i>Molecular Genetics and Metabolism Reports</i> , 2020, 23, 100600.	0.4	7
56	Transient Intermittent Hyperglycemia Accelerates Atherosclerosis by Promoting Myelopoiesis. <i>Circulation Research</i> , 2020, 127, 877-892.	2.0	77
57	Regional collagen turnover and composition of the human patellar tendon. <i>Journal of Applied Physiology</i> , 2020, 128, 884-891.	1.2	12
58	Microvascular Phenotyping in the Maastricht Study: Design and Main Findings, 2010â€“2018. <i>American Journal of Epidemiology</i> , 2020, 189, 873-884.	1.6	23
59	Effects of diet-induced weight loss on postprandial vascular function after consumption of a mixed meal: Results of a randomized controlled trial with abdominally obese men. <i>Clinical Nutrition</i> , 2020, 39, 2998-3004.	2.3	5
60	The endothelial function biomarker soluble E-selectin is associated with nonalcoholic fatty liver disease. <i>Liver International</i> , 2020, 40, 1079-1088.	1.9	17
61	Associations of dicarbonyl stress with complement activation: the CODAM study. <i>Diabetologia</i> , 2020, 63, 1032-1042.	2.9	3
62	Methylglyoxal Scavengers Resensitize KRAS-Mutated Colorectal Tumors to Cetuximab. <i>Cell Reports</i> , 2020, 30, 1400-1416.e6.	2.9	26
63	Physical activity and markers of glycation in older individuals: data from a combined cross-sectional and randomized controlled trial (EXAMIN AGE). <i>Clinical Science</i> , 2020, 134, 1095-1105.	1.8	5
64	CD11c ^{hi} MHC2 ^{low} Macrophages Are a New Inflammatory and Dynamic Subset in Murine Adipose Tissue. <i>Immunometabolism</i> , 2020, 2, e200015.	0.7	1
65	Relations of advanced glycation endproducts and dicarbonyls with endothelial dysfunction and low-grade inflammation in individuals with end-stage renal disease in the transition to renal replacement therapy: A cross-sectional observational study. <i>PLoS ONE</i> , 2019, 14, e0221058.	1.1	20
66	Patients With Aldolase B Deficiency Are Characterized by Increased Intrahepatic Triglyceride Content. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 5056-5064.	1.8	30
67	High dietary glyceamic load is associated with higher concentrations of urinary advanced glycation endproducts: the Cohort on Diabetes and Atherosclerosis Maastricht (CODAM) Study. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 358-366.	2.2	22
68	Association of dietary folate and vitamin B-12 intake with genome-wide DNA methylation in blood: a large-scale epigenome-wide association analysis in 5841 individuals. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 437-450.	2.2	46
69	Hepatic Fat Content and Liver Enzymes Are Associated with Circulating Free and Protein-Bound Advanced Glycation End Products, Which Are Associated with Low-Grade Inflammation: The CODAM Study. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-10.	1.0	10
70	Methylglyoxal-Derived Advanced Glycation Endproducts Accumulate in Multiple Sclerosis Lesions. <i>Frontiers in Immunology</i> , 2019, 10, 855.	2.2	30
71	Contribution of Liver Fat to Weight Lossâ€“Induced Changes in Serum Hepatokines: A Randomized Controlled Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 2719-2727.	1.8	12
72	Subcutaneous Adipose Tissue and Systemic Inflammation Are Associated With Peripheral but Not Hepatic Insulin Resistance in Humans. <i>Diabetes</i> , 2019, 68, 2247-2258.	0.3	35

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73	Methylglyoxal stress, the glyoxalase system, and diabetic chronic kidney disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2019, 28, 26-33.	1.0	31
74	Adipose tissue macrophages do not affect atherosclerosis development in mice. <i>Atherosclerosis</i> , 2019, 281, 31-37.	0.4	6
75	Endothelial dysfunction and low-grade inflammation in the transition to renal replacement therapy. , 2019, 14, e0222547.		0
76	Endothelial dysfunction and low-grade inflammation in the transition to renal replacement therapy. , 2019, 14, e0222547.		0
77	Endothelial dysfunction and low-grade inflammation in the transition to renal replacement therapy. , 2019, 14, e0222547.		0
78	Endothelial dysfunction and low-grade inflammation in the transition to renal replacement therapy. , 2019, 14, e0222547.		0
79	Characterization of Immune Cells in Human Adipose Tissue by Using Flow Cytometry. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	6
80	Circulating Polyunsaturated Fatty Acids as Biomarkers for Dietary Intake across Subgroups: The CODAM and Hoorn Studies. <i>Annals of Nutrition and Metabolism</i> , 2018, 72, 117-125.	1.0	4
81	Aldosterone Is Not Associated With Metabolic and Microvascular Insulin Sensitivity in Abdominally Obese Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 759-767.	1.8	1
82	Associations between advanced glycation endproducts and matrix metalloproteinases and its inhibitor in individuals with type 1 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2018, 32, 325-329.	1.2	12
83	Weight loss moderately affects the mixed meal challenge response of the plasma metabolome and transcriptome of peripheral blood mononuclear cells in abdominally obese subjects. <i>Metabolomics</i> , 2018, 14, 46.	1.4	18
84	Dietary intake of advanced glycation endproducts is associated with higher levels of advanced glycation endproducts in plasma and urine: The CODAM study. <i>Clinical Nutrition</i> , 2018, 37, 919-925.	2.3	114
85	Adipose tissue macrophages induce hepatic neutrophil recruitment and macrophage accumulation in mice. <i>Gut</i> , 2018, 67, 1317-1327.	6.1	108
86	The effect of Mindfulness-Based Stress Reduction on wound healing: a preliminary study. <i>Journal of Behavioral Medicine</i> , 2018, 41, 385-397.	1.1	12
87	The Effect of Sulforaphane on Glyoxalase I Expression and Activity in Peripheral Blood Mononuclear Cells. <i>Nutrients</i> , 2018, 10, 1773.	1.7	10
88	Quercetin, but Not Epicatechin, Decreases Plasma Concentrations of Methylglyoxal in Adults in a Randomized, Double-Blind, Placebo-Controlled, Crossover Trial with Pure Flavonoids. <i>Journal of Nutrition</i> , 2018, 148, 1911-1916.	1.3	45
89	Association of common gene variants in glucokinase regulatory protein with cardiorenal disease: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2018, 13, e0206174.	1.1	21
90	RAGE deficiency does not affect non-alcoholic steatohepatitis and atherosclerosis in Western type diet-fed <i>Ldlr</i> ^{-/-} mice. <i>Scientific Reports</i> , 2018, 8, 15256.	1.6	20

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91	Complement C3 and C4, but not their regulators or activated products, are associated with incident metabolic syndrome: the CODAM study. <i>Endocrine</i> , 2018, 62, 617-627.	1.1	22
92	Higher Plasma Methylglyoxal Levels Are Associated With Incident Cardiovascular Disease and Mortality in Individuals With Type 2 Diabetes. <i>Diabetes Care</i> , 2018, 41, 1689-1695.	4.3	63
93	Advanced Glycation Endproducts Are Increased in the Animal Model of Multiple Sclerosis but Cannot Be Reduced by Pyridoxamine Treatment or Glyoxalase 1 Overexpression. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1311.	1.8	15
94	Bone markers and cardiovascular risk in type 2 diabetes patients. <i>Cardiovascular Diabetology</i> , 2018, 17, 45.	2.7	20
95	HDL cholesterol efflux capacity and cholesteryl ester transfer are associated with body mass, but are not changed by diet-induced weight loss: A randomized trial in abdominally obese men. <i>Atherosclerosis</i> , 2018, 274, 23-28.	0.4	15
96	Reducing sitting time versus adding exercise: differential effects on biomarkers of endothelial dysfunction and metabolic risk. <i>Scientific Reports</i> , 2018, 8, 8657.	1.6	38
97	Longitudinal associations of the alternative and terminal pathways of complement activation with adiposity: The CODAM study. <i>Obesity Research and Clinical Practice</i> , 2018, 12, 286-292.	0.8	15
98	Advanced Glycation End Product (AGE) Accumulation in the Skin is Associated with Depression: The Maastricht Study. <i>Depression and Anxiety</i> , 2017, 34, 59-67.	2.0	32
99	Diverging effects of diabetes mellitus in patients with peripheral artery disease and abdominal aortic aneurysm and the role of advanced glycation end-products: ARTERY study â€” protocol for a multicentre cross-sectional study. <i>BMJ Open</i> , 2017, 7, e012584.	0.8	8
100	A comparison of dicarbonyl stress and advanced glycation endproducts in lifelong endurance athletes vs. sedentary controls. <i>Journal of Science and Medicine in Sport</i> , 2017, 20, 921-926.	0.6	15
101	Disparity in the micronutrient content of diets high or low in advanced glycation end products (AGEs) does not explain changes in insulin sensitivity. <i>International Journal of Food Sciences and Nutrition</i> , 2017, 68, 1021-1026.	1.3	3
102	Disease variants alter transcription factor levels and methylation of their binding sites. <i>Nature Genetics</i> , 2017, 49, 131-138.	9.4	390
103	Identification of context-dependent expression quantitative trait loci in whole blood. <i>Nature Genetics</i> , 2017, 49, 139-145.	9.4	363
104	Hyperglycemia Is the Main Mediator of Prediabetes- and Type 2 Diabetesâ€™ Associated Impairment of Microvascular Function: The Maastricht Study. <i>Diabetes Care</i> , 2017, 40, e103-e105.	4.3	12
105	Plasma matrix metalloproteinases are associated with incident cardiovascular disease and all-cause mortality in patients with type 1 diabetes: a 12-year follow-up study. <i>Cardiovascular Diabetology</i> , 2017, 16, 55.	2.7	47
106	Higher Plasma Methylglyoxal Levels Are Associated With Incident Cardiovascular Disease in Individuals With Type 1 Diabetes: A 12-Year Follow-up Study. <i>Diabetes</i> , 2017, 66, 2278-2283.	0.3	63
107	The systolicâ€™ diastolic difference in carotid stiffness is increased in type 2 diabetes. <i>Journal of Hypertension</i> , 2017, 35, 1052-1060.	0.3	6
108	Glucocorticoid Receptor Polymorphism in Relation to Arterial Stiffening and Cardiac Structure and Function: The Hoorn and CODAM Studies. <i>American Journal of Hypertension</i> , 2017, 30, 286-294.	1.0	2

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109	The Role of Hyperglycemia, Insulin Resistance, and Blood Pressure in Diabetes-Associated Differences in Cognitive Performance—The Maastricht Study. <i>Diabetes Care</i> , 2017, 40, 1537-1547.	4.3	53
110	Inflammation and premature aging in advanced chronic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F938-F950.	1.3	176
111	Inflammatory and Angiogenic Factors Linked to Longitudinal Microvascular Changes in Hemodialysis Patients Irrespective of Treatment Dose Intensity. <i>Kidney and Blood Pressure Research</i> , 2017, 42, 905-918.	0.9	8
112	High-Density Lipoproteins Exert Pro-inflammatory Effects on Macrophages via Passive Cholesterol Depletion and PKC-NF- κ B/STAT1-IRF1 Signaling. <i>Cell Metabolism</i> , 2017, 25, 197-207.	7.2	80
113	A potential role for glycated cross-links in abdominal aortic aneurysm disease. <i>Journal of Vascular Surgery</i> , 2017, 65, 1493-1503.e3.	0.6	27
114	Diet-induced weight loss improves not only cardiometabolic risk markers but also markers of vascular function: a randomized controlled trial in abdominally obese men. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 23-31.	2.2	55
115	Inflammation and Type 2 Diabetes. , 2017, , 1225-1254.		1
116	Increased Dicarbonyl Stress as a Novel Mechanism of Multi-Organ Failure in Critical Illness. <i>International Journal of Molecular Sciences</i> , 2017, 18, 346.	1.8	9
117	Methylglyoxal-Derived Advanced Glycation Endproducts in Multiple Sclerosis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 421.	1.8	57
118	Extracellular overhydration linked with endothelial dysfunction in the context of inflammation in haemodialysis dependent chronic kidney disease. <i>PLoS ONE</i> , 2017, 12, e0183281.	1.1	49
119	Circulating matrix metalloproteinases are associated with arterial stiffness in patients with type 1 diabetes: pooled analysis of three cohort studies. <i>Cardiovascular Diabetology</i> , 2017, 16, 139.	2.7	27
120	Independent tissue contributors to obesity-associated insulin resistance. <i>JCI Insight</i> , 2017, 2, .	2.3	25
121	Vitreous advanced glycation endproducts and α -dicarbonyls in retinal detachment patients with type 2 diabetes mellitus and non-diabetic controls. <i>PLoS ONE</i> , 2017, 12, e0173379.	1.1	14
122	The alternative complement pathway is longitudinally associated with adverse cardiovascular outcomes. <i>Thrombosis and Haemostasis</i> , 2016, 115, 446-457.	1.8	32
123	Surface Area of Detachment, Proliferative Vitreoretinopathy, and Pulse Pressure, but not AGEs, are Associated With Retinal Redetachment. , 2016, 57, 6633.		1
124	Methylglyoxal, a glycolysis side-product, induces Hsp90 glycation and YAP-mediated tumor growth and metastasis. <i>ELife</i> , 2016, 5, .	2.8	100
125	Dysfunctional adipose tissue and low-grade inflammation in the management of the metabolic syndrome: current practices and future advances. <i>F1000Research</i> , 2016, 5, 2515.	0.8	25
126	The Course of Skin and Serum Biomarkers of Advanced Glycation Endproducts and Its Association with Oxidative Stress, Inflammation, Disease Severity, and Mortality during ICU Admission in Critically Ill Patients: Results from a Prospective Pilot Study. <i>PLoS ONE</i> , 2016, 11, e0160893.	1.1	19

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127	Advanced glycation end products and their receptor in age-related, non-communicable chronic inflammatory diseases; Overview of clinical evidence and potential contributions to disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 81, 403-418.	1.2	86
128	Prevention of age-induced N ^(ε) -(carboxymethyl)lysine accumulation in the microvasculature. <i>European Journal of Clinical Investigation</i> , 2016, 46, 334-341.	1.7	2
129	Effect of a plant sterol-enriched spread on biomarkers of endothelial dysfunction and low-grade inflammation in hypercholesterolaemic subjects. <i>Journal of Nutritional Science</i> , 2016, 5, e44.	0.7	8
130	Myocardial infarction induces atrial inflammation that can be prevented by C1-esterase inhibitor. <i>Journal of Clinical Pathology</i> , 2016, 69, 1093-1099.	1.0	10
131	Diet low in advanced glycation end products increases insulin sensitivity in healthy overweight individuals: a double-blind, randomized, crossover trial. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 1426-1433.	2.2	101
132	Distinct Longitudinal Associations of MBL, MASP-1, MASP-2, MASP-3, and MAP44 With Endothelial Dysfunction and Intima-Media Thickness. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1278-1285.	1.1	17
133	Capillary Rarefaction Associates with Albuminuria: The Maastricht Study. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 3748-3757.	3.0	51
134	Age-related accrual of methylomic variability is linked to fundamental ageing mechanisms. <i>Genome Biology</i> , 2016, 17, 191.	3.8	120
135	Blood lipids influence DNA methylation in circulating cells. <i>Genome Biology</i> , 2016, 17, 138.	3.8	154
136	A Common Gene Variant in Glucokinase Regulatory Protein Interacts With Glucose Metabolism on Diabetic Dyslipidemia: the Combined CODAM and Hoorn Studies. <i>Diabetes Care</i> , 2016, 39, 1811-1817.	4.3	21
137	Skin Autofluorescence and Pentosidine Are Associated With Aortic Stiffening. <i>Hypertension</i> , 2016, 68, 956-963.	1.3	46
138	Energy restriction and Roux-en-Y gastric bypass reduce postprandial 1,5-dicarbonyl stress in obese women with type 2 diabetes. <i>Diabetologia</i> , 2016, 59, 2013-2017.	2.9	29
139	Novel Biomarkers to Improve the Prediction of Cardiovascular Event Risk in Type 2 Diabetes Mellitus. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	56
140	Serum advanced glycation endproducts are associated with left ventricular dysfunction in normal glucose metabolism but not in type 2 diabetes: The Hoorn Study. <i>Diabetes and Vascular Disease Research</i> , 2016, 13, 278-285.	0.9	12
141	Markers of inflammation and endothelial dysfunction are associated with incident cardiovascular disease, all-cause mortality, and progression of coronary calcification in type 2 diabetic patients with microalbuminuria. <i>Journal of Diabetes and Its Complications</i> , 2016, 30, 248-255.	1.2	49
142	Depression and markers of inflammation as predictors of all-cause mortality in heart failure. <i>Brain, Behavior, and Immunity</i> , 2016, 57, 144-150.	2.0	21
143	Impaired microcirculatory perfusion in a rat model of cardiopulmonary bypass: the role of hemodilution. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H550-H558.	1.5	29
144	Associations of low grade inflammation and endothelial dysfunction with depression – The Maastricht Study. <i>Brain, Behavior, and Immunity</i> , 2016, 56, 390-396.	2.0	103

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146	Association of Type D personality with increased vulnerability to depression: Is there a role for inflammation or endothelial dysfunction? – The Maastricht Study. <i>Journal of Affective Disorders</i> , 2016, 189, 118-125.	2.0	49
147	Analysis of advanced glycation endproducts in selected food items by ultra-performance liquid chromatography tandem mass spectrometry: Presentation of a dietary AGE database. <i>Food Chemistry</i> , 2016, 190, 1145-1150.	4.2	222
148	Obesity-induced chronic inflammation in high fat diet challenged C57BL/6J mice is associated with acceleration of age-dependent renal amyloidosis. <i>Scientific Reports</i> , 2015, 5, 16474.	1.6	62
149	Low 25-hydroxyvitamin D2 and 25-hydroxyvitamin D3 levels are independently associated with macroalbuminuria, but not with retinopathy and macrovascular disease in type 1 diabetes: the EURODIAB prospective complications study. <i>Cardiovascular Diabetology</i> , 2015, 14, 67.	2.7	43
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156	Iron metabolism is prospectively associated with insulin resistance and glucose intolerance over a 7-year follow-up period: the CODAM study. <i>Acta Diabetologica</i> , 2015, 52, 337-348.	1.2	40
157	The role of methylglyoxal and the glyoxalase system in diabetes and other age-related diseases. <i>Clinical Science</i> , 2015, 128, 839-861.	1.8	241
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160	Protein-Bound Plasma N ^ε -(Carboxymethyl)lysine Is Inversely Associated With Central Obesity and Inflammation and Significantly Explain a Part of the Central Obesity-Related Increase in Inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 2707-2713.	1.1	36
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162	Analysis of inflammatory cells and mediators in skin wound biopsies to determine wound age in living subjects in forensic medicine. <i>Forensic Science International</i> , 2015, 247, 7-13.	1.3	22

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170	Glyoxalase 1 overexpression does not affect atherosclerotic lesion size and severity in ApoE ^{+/+} / ^{-/-} mice with or without diabetes. <i>Cardiovascular Research</i> , 2014, 104, 160-170.	1.8	19
171	Complement C3 Is Inversely Associated with Habitual Intake of Provitamin A but Not with Dietary Fat, Fatty Acids, or Vitamin E in Middle-Aged to Older White Adults and Positively Associated with Intake of Retinol in Middle-Aged to Older White Women. <i>Journal of Nutrition</i> , 2014, 144, 61-67.	1.3	8
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173	Complement Factor 3 Is Associated With Insulin Resistance and With Incident Type 2 Diabetes Over a 7-Year Follow-up Period: The CODAM Study. <i>Diabetes Care</i> , 2014, 37, 1900-1909.	4.3	68
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177	Methylglyoxal and glyoxalase I in atherosclerosis. <i>Biochemical Society Transactions</i> , 2014, 42, 443-449.	1.6	44
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180	Higher levels of advanced glycation endproducts in human carotid atherosclerotic plaques are associated with a rupture-prone phenotype. <i>European Heart Journal</i> , 2014, 35, 1137-1146.	1.0	138

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182	Type 2 diabetes is not associated with an altered plaque phenotype among patients undergoing carotid revascularization. A histological analysis of 1455 carotid plaques. <i>Atherosclerosis</i> , 2014, 235, 418-423.	0.4	19
183	The cross-sectional association between uric acid and atherosclerosis and the role of low-grade inflammation: the CODAM study. <i>Rheumatology</i> , 2014, 53, 2053-2062.	0.9	24
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195	Activated complement factor 3 is associated with liver fat and liver enzymes: the CODAM study. <i>European Journal of Clinical Investigation</i> , 2013, 43, 679-688.	1.7	38
196	Plasma levels of advanced glycation endproducts are associated with type 1 diabetes and coronary artery calcification. <i>Cardiovascular Diabetology</i> , 2013, 12, 149.	2.7	45
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203	Endogenous formation of N ^ε -(carboxymethyl)lysine is increased in fatty livers and induces inflammatory markers in an in vitro model of hepatic steatosis. <i>Journal of Hepatology</i> , 2012, 56, 647-655.	1.8	90
204	Human plasma complement C3 is independently associated with coronary heart disease, but only in heavy smokers (the CODAM study). <i>International Journal of Cardiology</i> , 2012, 154, 158-162.	0.8	26
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213	Endothelial Dysfunction and Low-Grade Inflammation Are Associated With Greater Arterial Stiffness Over a 6-Year Period. <i>Hypertension</i> , 2011, 58, 588-595.	1.3	127
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238	Markers of inflammation are cross-sectionally associated with microvascular complications and cardiovascular disease in type 1 diabetes?the EURODIAB Prospective Complications Study. <i>Diabetologia</i> , 2005, 48, 370-378.	2.9	235
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248	Induction of 1,2-Dicarbonyl Compounds, Intermediates in the Formation of Advanced Glycation End-Products, during Heat-Sterilization of Glucose-Based Peritoneal Dialysis Fluids. <i>Peritoneal Dialysis International</i> , 1999, 19, 325-333.	1.1	137
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