Casper G Schalkwijk

List of Publications by Year
in descending order

253	12,738	22153	59	32842	100
papers	citations		h-index		g-index

255	255	255	18876
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Habitual intake of dietary advanced glycation end products is not associated with generalized microvascular functionâ€"the Maastricht Study. American Journal of Clinical Nutrition, 2022, 115, 444-455.	4.7	8
2	Higher habitual intake of dietary dicarbonyls is associated with higher corresponding plasma dicarbonyl concentrations and skin autofluorescence: the Maastricht Study. American Journal of Clinical Nutrition, 2022, 115, 34-44.	4.7	17
3	Extracerebral microvascular dysfunction is related to brain MRI markers of cerebral small vessel disease: The Maastricht Study. GeroScience, 2022, 44, 147-157.	4.6	10
4	Cardiac inflammation and microvascular procoagulant changes are decreased in second wave compared to first wave deceased COVID-19 patients. International Journal of Cardiology, 2022, 349, 157-165.	1.7	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. Journal of Endocrinological Investigation, 2022, 45, 1227-1234.	3.3	4
6	Intrahepatic lipid content is independently associated with soluble E-selectin levels: The Maastricht study. Digestive and Liver Disease, 2022, 54, 1038-1043.	0.9	3
7	Sedentary behaviour and physical activity are associated with biomarkers of endothelial dysfunction and low-grade inflammationâ€"relevance for (pre)diabetes: The Maastricht Study. Diabetologia, 2022, 65, 777-789.	6.3	32
8	Fructose Intake From Fruit Juice and Sugar-Sweetened Beverages Is Associated With Higher Intrahepatic Lipid Content: The Maastricht Study. Diabetes Care, 2022, 45, 1116-1123.	8.6	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. Nutrients, 2022, 14, 1546.	4.1	2
10	Liraglutide treatment attenuates inflammation markers in the cardiac, cerebral and renal microvasculature in streptozotocinâ€•induced diabetic rats. European Journal of Clinical Investigation, 2022, 52, e13807.	3.4	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. International Journal of Molecular Sciences, 2022, 23, 5328.	4.1	13
12	Immunometabolism and the modulation of immune responses and host defense: A role for methylglyoxal?. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166425.	3.8	5
13	Soluble RAGE Prevents Type 1 Diabetes Expanding Functional Regulatory T Cells. Diabetes, 2022, 71, 1994-2008.	0.6	8
14	Irbesartan treatment does not influence plasma levels of the dicarbonyls methylglyoxal, glyoxal and 3â€•deoxyglucosone in participants with type 2 diabetes and microalbuminuria: An IRMA2 subâ€•study. Diabetic Medicine, 2021, 38, e14405.	2.3	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. Diabetes and Metabolism, 2021, 47, 101148.	2.9	14
16	Soluble Receptor for Advanced Glycation End-products (sRAGE) and Colorectal Cancer Risk: A Caseâ€“Control Study Nested within a European Prospective Cohort. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 182-192.	2.5	7
17	Quantification of dicarbonyl compounds in commonly consumed foods and drinks; presentation of a food composition database for dicarbonyls. Food Chemistry, 2021, 339, 128063.	8.2	70
18	Plasma Methylglyoxal Levels Are Associated With Amputations and Mortality in Severe Limb Ischemia Patients With and Without Diabetes. Diabetes Care, 2021, 44, 157-163.	8.6	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. Scientific Reports, 2021, 11, 425.	3.3	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. Antioxidants, 2021, 10, 219.	5.1	2
21	C3 and alternative pathway components are associated with an adverse lipoprotein subclass profile: The CODAM study. Journal of Clinical Lipidology, 2021, 15, 311-319.	1.5	10
22	Plasma concentrations of advanced glycation end-products and colorectal cancer risk in the EPIC study. Carcinogenesis, 2021, 42, 705-713.	2.8	7
23	Relationship between de novo lipogenesis and serum sex hormone binding globulin in humans. Clinical Endocrinology, 2021, 95, 101-106.	2.4	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. PLoS ONE, 2021, 16, e0247939.	2.5	3
25	Dietary intake of advanced glycation endproducts and risk of hepatobiliary cancers: A multinational cohort study. International Journal of Cancer, 2021, 149, 854-864.	5.1	12
26	Diet-induced weight loss reduces postprandial dicarbonyl stress in abdominally obese men: Secondary analysis of a randomized controlled trial. Clinical Nutrition, 2021, 40, 2654-2662.	5.0	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. Journal of Nutrition, 2021, 151, 1886-1893.	2.9	7
28	Altered hepatic sphingolipid metabolism in insulin resistant mice: Role of advanced glycation endproducts. Free Radical Biology and Medicine, 2021, 169, 425-435.	2.9	12
29	Short Duration Alagebrium Chloride Therapy Prediabetes Does Not Inhibit Progression to Autoimmune Diabetes in an Experimental Model. Metabolites, 2021, 11, 426.	2.9	2
30	Systemic inflammation down-regulates glyoxalase-1 expression: an experimental study in healthy males. Bioscience Reports, 2021, 41, .	2.4	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. Clinical Nutrition, 2021, 40, 4624-4632.	5.0	9
32	The role of serum and dietary advanced glycation endproducts in relation to cardiac function and structure: The Hoorn Study. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 3167-3175.	2.6	4
33	The Glyoxalase System in Age-Related Diseases: Nutritional Intervention as Anti-Ageing Strategy. Cells, 2021, 10, 1852.	4.1	18
34	Deletion of RAGE fails to prevent hepatosteatosis in obese mice due to impairment of other AGEs receptors and detoxifying systems. Scientific Reports, 2021, 11, 17373.	3.3	6
35	Dietary Advanced Glycation End-Products and Colorectal Cancer Risk in the European Prospective Investigation into Cancer and Nutrition (EPIC) Study. Nutrients, 2021, 13, 3132.	4.1	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. Food Research International, 2021, 147, 110547.	6.2	41

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37	Low-grade inflammation and endothelial dysfunction predict four-year risk and course of depressive symptoms: The Maastricht study. Brain, Behavior, and Immunity, 2021, 97, 61-67.	4.1	14
38	The Putative Role of Methylglyoxal in Arterial Stiffening: A Review. Heart Lung and Circulation, 2021, 30, 1681-1693.	0.4	9
39	Effects of fructose restriction on liver steatosis (FRUITLESS); a double-blind randomized controlled trial. American Journal of Clinical Nutrition, 2021, 113, 391-400.	4.7	37
40	Exercise SBP response and incident depressive symptoms: The Maastricht Study. Journal of Hypertension, 2021, 39, 494-502.	0.5	2
41	Association of tear fluid amyloid and tau levels with disease severity and neurodegeneration. Scientific Reports, 2021, 11, 22675.	3.3	27
42	Myocardial infarction coincides with increased NOX2 and Nîµ-(carboxymethyl) lysine expression in the cerebral microvasculature. Open Heart, 2021, 8, e001842.	2.3	3
43	An interferon-related signature characterizes the whole blood transcriptome profile of insulin-resistant individualsâ€"the CODAM study. Genes and Nutrition, 2021, 16, 22.	2.5	3
44	Methylglyoxal, a Highly Reactive Dicarbonyl Compound, in Diabetes, Its Vascular Complications, and Other Age-Related Diseases. Physiological Reviews, 2020, 100, 407-461.	28.8	293
45	Advanced glycation endproducts and dicarbonyls in end-stage renal disease: associations with uraemia and courses following renal replacement therapy. CKJ: Clinical Kidney Journal, 2020, 13, 855-866.	2.9	7
46	High-density lipoprotein cholesterol efflux capacity is not associated with atherosclerosis and prevalence of cardiovascular outcome: The CODAM study. Journal of Clinical Lipidology, 2020, 14, 122-132.e4.	1.5	19
47	Dietary intake of advanced glycation end products (AGEs) and changes in body weight in European adults. European Journal of Nutrition, 2020, 59, 2893-2904.	3.9	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. Cellular and Molecular Life Sciences, 2020, 77, 1709-1719.	5.4	33
49	Microvascular Dysfunction Is Associated With Worse Cognitive Performance. Hypertension, 2020, 75, 237-245.	2.7	47
50	Postprandial Glucose Spikes, an Important Contributor to Cardiovascular Disease in Diabetes?. Frontiers in Cardiovascular Medicine, 2020, 7, 570553.	2.4	29
51	Development and validation of a UPLC-MS/MS method to quantify fructose in serum and urine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1155, 122299.	2.3	8
52	Serum Matrix Metalloproteinases and Left Atrial Remodelingâ€"The Hoorn Study. International Journal of Molecular Sciences, 2020, 21, 4944.	4.1	8
53	Blood pressure variability and microvascular dysfunction: the Maastricht Study. Journal of Hypertension, 2020, 38, 1541-1550.	0.5	11
54	Is skin autofluorescence (SAF) representative of dermal advanced glycation endproducts (AGEs) in dark skin? A pilot study. Heliyon, 2020, 6, e05364.	3.2	9

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55	Kidney and vascular function in adult patients with hereditary fructose intolerance. Molecular Genetics and Metabolism Reports, 2020, 23, 100600.	1.1	7
56	Transient Intermittent Hyperglycemia Accelerates Atherosclerosis by Promoting Myelopoiesis. Circulation Research, 2020, 127, 877-892.	4.5	77
57	Regional collagen turnover and composition of the human patellar tendon. Journal of Applied Physiology, 2020, 128, 884-891.	2.5	12
58	Microvascular Phenotyping in the Maastricht Study: Design and Main Findings, 2010â€“2018. American Journal of Epidemiology, 2020, 189, 873-884.	3.4	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. Clinical Nutrition, 2020, 39, 2998-3004.	5.0	5
60	The endothelial function biomarker soluble Eâ€selectin is associated with nonalcoholic fatty liver disease. Liver International, 2020, 40, 1079-1088.	3.9	17
61	Associations of dicarbonyl stress with complement activation: the CODAM study. Diabetologia, 2020, 63, 1032-1042.	6.3	3
62	Methylglyoxal Scavengers Resensitize KRAS-Mutated Colorectal Tumors to Cetuximab. Cell Reports, 2020, 30, 1400-1416.e6.	6.4	26
63	Physical activity and markers of glycation in older individuals: data from a combined cross-sectional and randomized controlled trial (EXAMIN AGE). Clinical Science, 2020, 134, 1095-1105.	4.3	5
64	CD11cânMHC2low Macrophages Are a New Inflammatory and Dynamic Subset in Murine Adipose Tissue. Immunometabolism, 2020, 2, e200015.	1.6	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. PLoS ONE, 2019, 14, e0221058.	2.5	20
66	Patients With Aldolase B Deficiency Are Characterized by Increased Intrahepatic Triglyceride Content. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 5056-5064.	3.6	30
67	High dietary glycemic load is associated with higher concentrations of urinary advanced glycation endproducts: the Cohort on Diabetes and Atherosclerosis Maastricht (CODAM) Study. American Journal of Clinical Nutrition, 2019, 110, 358-366.	4.7	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. American Journal of Clinical Nutrition, 2019, 110, 437-450.	4.7	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. Journal of Diabetes Research, 2019, 2019, 1-10.	2.3	10
70	Methylglyoxal-Derived Advanced Glycation Endproducts Accumulate in Multiple Sclerosis Lesions. Frontiers in Immunology, 2019, 10, 855.	4.8	30
71	Contribution of Liver Fat to Weight Lossâ€“Induced Changes in Serum Hepatokines: A Randomized Controlled Trial. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 2719-2727.	3.6	12
72	Subcutaneous Adipose Tissue and Systemic Inflammation Are Associated With Peripheral but Not Hepatic Insulin Resistance in Humans. Diabetes, 2019, 68, 2247-2258.	0.6	35

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73	Methylglyoxal stress, the glyoxalase system, and diabetic chronic kidney disease. Current Opinion in Nephrology and Hypertension, 2019, 28, 26-33.	2.0	31
74	Adipose tissue macrophages do not affect atherosclerosis development in mice. Atherosclerosis, 2019, 281, 31-37.	0.8	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. Journal of Visualized Experiments, 2018, , .	0.3	6
80	Circulating Polyunsaturated Fatty Acids as Biomarkers for Dietary Intake across Subgroups: The CODAM and Hoorn Studies. Annals of Nutrition and Metabolism, 2018, 72, 117-125.	1.9	4
81	Aldosterone Is Not Associated With Metabolic and Microvascular Insulin Sensitivity in Abdominally Obese Men. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 759-767.	3.6	1
82	Associations between advanced glycation endproducts and matrix metalloproteinases and its inhibitor in individuals with type 1 diabetes. Journal of Diabetes and Its Complications, 2018, 32, 325-329.	2.3	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. Metabolomics, 2018, 14, 46.	3.0	18
84	Dietary intake of advanced glycation endproducts is associated with higher levels of advanced glycation endproducts in plasma and urine: The CODAM study. Clinical Nutrition, 2018, 37, 919-925.	5.0	114
85	Adipose tissue macrophages induce hepatic neutrophil recruitment and macrophage accumulation in mice. Gut, 2018, 67, 1317-1327.	12.1	108
86	The effect of Mindfulness-Based Stress Reduction on wound healing: a preliminary study. Journal of Behavioral Medicine, 2018, 41, 385-397.	2.1	12
87	The Effect of Sulforaphane on Glyoxalase I Expression and Activity in Peripheral Blood Mononuclear Cells. Nutrients, 2018, 10, 1773.	4.1	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. Journal of Nutrition, 2018, 148, 1911-1916.	2.9	45
89	Association of common gene variants in glucokinase regulatory protein with cardiorenal disease: A systematic review and meta-analysis. PLoS ONE, 2018, 13, e0206174.	2.5	21
90	RAGE deficiency does not affect non-alcoholic steatohepatitis and atherosclerosis in Western type diet-fed Ldlrâˆ’/âˆ’ mice. Scientific Reports, 2018, 8, 15256.	3.3	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. Endocrine, 2018, 62, 617-627.	2.3	22
92	Higher Plasma Methylglyoxal Levels Are Associated With Incident Cardiovascular Disease and Mortality in Individuals With Type 2 Diabetes. Diabetes Care, 2018, 41, 1689-1695.	8.6	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. International Journal of Molecular Sciences, 2018, 19, 1311.	4.1	15
94	Bone markers and cardiovascular risk in type 2 diabetes patients. Cardiovascular Diabetology, 2018, 17, 45.	6.8	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. Atherosclerosis, 2018, 274, 23-28.	0.8	15
96	Reducing sitting time versus adding exercise: differential effects on biomarkers of endothelial dysfunction and metabolic risk. Scientific Reports, 2018, 8, 8657.	3.3	38
97	Longitudinal associations of the alternative and terminal pathways of complement activation with adiposity: The CODAM study. Obesity Research and Clinical Practice, 2018, 12, 286-292.	1.8	15
98	Advanced Glycation End Product (AGE) Accumulation in the Skin is Associated with Depression: The Maastricht Study. Depression and Anxiety, 2017, 34, 59-67.	4.1	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. BMJ Open, 2017, 7, e012584.	1.9	8
100	A comparison of dicarbonyl stress and advanced glycation endproducts in lifelong endurance athletes vs. sedentary controls. Journal of Science and Medicine in Sport, 2017, 20, 921-926.	1.3	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. International Journal of Food Sciences and Nutrition, 2017, 68, 1021-1026.	2.8	3
102	Disease variants alter transcription factor levels and methylation of their binding sites. Nature Genetics, 2017, 49, 131-138.	21.4	390
103	Identification of context-dependent expression quantitative trait loci in whole blood. Nature Genetics, 2017, 49, 139-145.	21.4	363
104	Hyperglycemia Is the Main Mediator of Prediabetes- and Type 2 Diabetesâ€"Associated Impairment of Microvascular Function: The Maastricht Study. Diabetes Care, 2017, 40, e103-e105.	8.6	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. Cardiovascular Diabetology, 2017, 16, 55.	6.8	47
106	Higher Plasma Methylglyoxal Levels Are Associated With Incident Cardiovascular Disease in Individuals With Type 1 Diabetes: A 12-Year Follow-up Study. Diabetes, 2017, 66, 2278-2283.	0.6	63
107	The systolicâ€"diastolic difference in carotid stiffness is increased in type 2 diabetes. Journal of Hypertension, 2017, 35, 1052-1060.	0.5	6
108	BclI Glucocorticoid Receptor Polymorphism in Relation to Arterial Stiffening and Cardiac Structure and Function: The Hoorn and CODAM Studies. American Journal of Hypertension, 2017, 30, 286-294.	2.0	2

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109	The Role of Hyperglycemia, Insulin Resistance, and Blood Pressure in Diabetes-Associated Differences in Cognitive Performanceâ€"The Maastricht Study. Diabetes Care, 2017, 40, 1537-1547.	8.6	53
110	Inflammation and premature aging in advanced chronic kidney disease. American Journal of Physiology - Renal Physiology, 2017, 313, F938-F950.	2.7	176
111	Inflammatory and Angiogenic Factors Linked to Longitudinal Microvascular Changes in Hemodialysis Patients Irrespective of Treatment Dose Intensity. Kidney and Blood Pressure Research, 2017, 42, 905-918.	2.0	8
112	High-Density Lipoproteins Exert Pro-inflammatory Effects on Macrophages via Passive Cholesterol Depletion and PKC-NF-ÎºB/STAT1-IRF1 Signaling. Cell Metabolism, 2017, 25, 197-207.	16.2	80
113	A potential role for glycated cross-links in abdominal aortic aneurysm disease. Journal of Vascular Surgery, 2017, 65, 1493-1503.e3.	1.1	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. American Journal of Clinical Nutrition, 2017, 105, 23-31.	4.7	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. International Journal of Molecular Sciences, 2017, 18, 346.	4.1	9
117	Methylglyoxal-Derived Advanced Glycation Endproducts in Multiple Sclerosis. International Journal of Molecular Sciences, 2017, 18, 421.	4.1	57
118	Extracellular overhydration linked with endothelial dysfunction in the context of inflammation in haemodialysis dependent chronic kidney disease. PLoS ONE, 2017, 12, e0183281.	2.5	49
119	Circulating matrix metalloproteinases are associated with arterial stiffness in patients with type 1 diabetes: pooled analysis of three cohort studies. Cardiovascular Diabetology, 2017, 16, 139.	6.8	27
120	Independent tissue contributors to obesity-associated insulin resistance. JCI Insight, 2017, 2, .	5.0	25
121	Vitreous advanced glycation endproducts and Î±-dicarbonyls in retinal detachment patients with type 2 diabetes mellitus and non-diabetic controls. PLoS ONE, 2017, 12, e0173379.	2.5	14
122	The alternative complement pathway is longitudinally associated with adverse cardiovascular outcomes. Thrombosis and Haemostasis, 2016, 115, 446-457.	3.4	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. ELife, 2016, 5, .	6.0	100
125	Dysfunctional adipose tissue and low-grade inflammation in the management of the metabolic syndrome: current practices and future advances. F1000Research, 2016, 5, 2515.	1.6	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. PLoS ONE, 2016, 11, e0160893.	2.5	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. International Journal of Biochemistry and Cell Biology, 2016, 81, 403-418.	2.8	86
128	Prevention of ageâ€induced N(Îµ)â€(carboxymethyl)lysine accumulation in the microvasculature. European Journal of Clinical Investigation, 2016, 46, 334-341.	3.4	2
129	Effect of a plant sterol-enriched spread on biomarkers of endothelial dysfunction and low-grade inflammation in hypercholesterolaemic subjects. Journal of Nutritional Science, 2016, 5, e44.	1.9	8
130	Myocardial infarction induces atrial inflammation that can be prevented by C1-esterase inhibitor. Journal of Clinical Pathology, 2016, 69, 1093-1099.	2.0	10
131	Diet low in advanced glycation end products increases insulin sensitivity in healthy overweight individuals: a double-blind, randomized, crossover trial. American Journal of Clinical Nutrition, 2016, 103, 1426-1433.	4.7	101
132	Distinct Longitudinal Associations of MBL, MASP-1, MASP-2, MASP-3, and MAp44 With Endothelial Dysfunction and Intimaâ€“Media Thickness. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1278-1285.	2.4	17
133	Capillary Rarefaction Associates with Albuminuria: The Maastricht Study. Journal of the American Society of Nephrology: JASN, 2016, 27, 3748-3757.	6.1	51
134	Age-related accrual of methylomic variability is linked to fundamental ageing mechanisms. Genome Biology, 2016, 17, 191.	8.8	120
135	Blood lipids influence DNA methylation in circulating cells. Genome Biology, 2016, 17, 138.	8.8	154
136	A Common Gene Variant in Glucokinase Regulatory Protein Interacts With Glucose Metabolism on Diabetic Dyslipidemia: the Combined CODAM and Hoorn Studies. Diabetes Care, 2016, 39, 1811-1817.	8.6	21
137	Skin Autofluorescence and Pentosidine Are Associated With Aortic Stiffening. Hypertension, 2016, 68, 956-963.	2.7	46
138	Energy restriction and Roux-en-Y gastric bypass reduce postprandial Î±-dicarbonyl stress in obese women with type 2 diabetes. Diabetologia, 2016, 59, 2013-2017.	6.3	29
139	Novel Biomarkers to Improve the Prediction of Cardiovascular Event Risk in Type 2 Diabetes Mellitus. Journal of the American Heart Association, 2016, 5, .	3.7	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. Diabetes and Vascular Disease Research, 2016, 13, 278-285.	2.0	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. Journal of Diabetes and Its Complications, 2016, 30, 248-255.	2.3	49
142	Depression and markers of inflammation as predictors of all-cause mortality in heart failure. Brain, Behavior, and Immunity, 2016, 57, 144-150.	4.1	21
143	Impaired microcirculatory perfusion in a rat model of cardiopulmonary bypass: the role of hemodilution. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H550-H558.	3.2	29
144	Associations of low grade inflammation and endothelial dysfunction with depression â€“ The Maastricht Study. Brain, Behavior, and Immunity, 2016, 56, 390-396.	4.1	103

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145	Delayed Intervention With Pyridoxamine Improves Metabolic Function and Prevents Adipose Tissue Inflammation and Insulin Resistance in High-Fat Dietâ€“Induced Obese Mice. Diabetes, 2016, 65, 956-966.	0.6	51
146	Association of Type D personality with increased vulnerability to depression: Is there a role for inflammation or endothelial dysfunction? â€“ The Maastricht Study. Journal of Affective Disorders, 2016, 189, 118-125.	4.1	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. Food Chemistry, 2016, 190, 1145-1150.	8.2	222
148	Obesity-induced chronic inflammation in high fat diet challenged C57BL/6J mice is associated with acceleration of age-dependent renal amyloidosis. Scientific Reports, 2015, 5, 16474.	3.3	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. Cardiovascular Diabetology, 2015, 14, 67.	6.8	43
150	Nitric Oxide Dysregulation in Patients With Heart Failure. Psychosomatic Medicine, 2015, 77, 292-302.	2.0	23
151	Vascular AGE-ing by methylglyoxal: the past, the present and the future. Diabetologia, 2015, 58, 1715-1719.	6.3	66
152	Calibrated integrated backscatter and myocardial fibrosis in patients undergoing cardiac surgery. Open Heart, 2015, 2, e000278.	2.3	15
153	A Healthy Diet Is Associated with Less Endothelial Dysfunction and Less Low-Grade Inflammation over a 7-Year Period in Adults at Risk of Cardiovascular Disease1â€“3. Journal of Nutrition, 2015, 145, 532-540.	2.9	52
154	Atrial Fibrillation Coincides with the Advanced Glycation End Product NÎµ-(Carboxymethyl)Lysine in the Atrium. American Journal of Pathology, 2015, 185, 2096-2104.	3.8	28
155	Protein-bound uraemic toxins, dicarbonyl stress and advanced glycation end products in conventional and extended haemodialysis and haemodiafiltration. Nephrology Dialysis Transplantation, 2015, 30, 1395-1402.	0.7	52
156	Iron metabolism is prospectively associated with insulin resistance and glucose intolerance over a 7-year follow-up period: the CODAM study. Acta Diabetologica, 2015, 52, 337-348.	2.5	40
157	The role of methylglyoxal and the glyoxalase system in diabetes and other age-related diseases. Clinical Science, 2015, 128, 839-861.	4.3	241
158	Postâ€“Glucose Load Plasma Î±-Dicarbonyl Concentrations Are Increased in Individuals With Impaired Glucose Metabolism and Type 2 Diabetes: The CODAM Study. Diabetes Care, 2015, 38, 913-920.	8.6	61
159	Associations of Advanced Glycation End-Products With Cognitive Functions in Individuals With and Without Type 2 Diabetes: The Maastricht Study. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 951-960.	3.6	60
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