

Coen D A Stehouwer

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.

777 papers	46,673 citations	107 h-index	187 g-index
845 ext. papers	53,373 ext. citations	7 avg, IF	7.41 L-index

#	Paper	IF	Citations
777	Diabetes mellitus, fasting blood glucose concentration, and risk of vascular disease: a collaborative meta-analysis of 102 prospective studies. <i>Lancet, The</i> , 2010 , 375, 2215-22	40	2745
776	C-reactive protein in healthy subjects: associations with obesity, insulin resistance, and endothelial dysfunction: a potential role for cytokines originating from adipose tissue?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999 , 19, 972-8	9.4	1914
775	Ankle brachial index combined with Framingham Risk Score to predict cardiovascular events and mortality: a meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , 2008 , 300, 197-208	27.4	1192
774	C-reactive protein, fibrinogen, and cardiovascular disease prediction. <i>New England Journal of Medicine</i> , 2012 , 367, 1310-20	59.2	750
773	Depression and the risk for cardiovascular diseases: systematic review and meta analysis. <i>International Journal of Geriatric Psychiatry</i> , 2007 , 22, 613-26	3.9	642
772	Increased urinary albumin excretion, endothelial dysfunction, and chronic low-grade inflammation in type 2 diabetes: progressive, interrelated, and independently associated with risk of death. <i>Diabetes</i> , 2002 , 51, 1157-65	0.9	513
771	Hyperglycaemia is associated with all-cause and cardiovascular mortality in the Hoorn population: the Hoorn Study. <i>Diabetologia</i> , 1999 , 42, 926-31	10.3	507
770	Common carotid intima-media thickness measurements in cardiovascular risk prediction: a meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , 2012 , 308, 796-803	27.4	480
769	Vascular complications in diabetes mellitus: the role of endothelial dysfunction. <i>Clinical Science</i> , 2005 , 109, 143-59	6.5	469
768	Metabolic syndrome and 10-year cardiovascular disease risk in the Hoorn Study. <i>Circulation</i> , 2005 , 112, 666-73	16.7	445
767	Relation of impaired fasting and postload glucose with incident type 2 diabetes in a Dutch population: The Hoorn Study. <i>JAMA - Journal of the American Medical Association</i> , 2001 , 285, 2109-13	27.4	431
766	"Vasocrine" signalling from perivascular fat: a mechanism linking insulin resistance to vascular disease. <i>Lancet, The</i> , 2005 , 365, 1817-20	40	418
765	Arterial stiffness in diabetes and the metabolic syndrome: a pathway to cardiovascular disease. <i>Diabetologia</i> , 2008 , 51, 527-39	10.3	401
764	Associations of C-reactive protein with measures of obesity, insulin resistance, and subclinical atherosclerosis in healthy, middle-aged women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999 , 19, 1986-91	9.4	400
763	Mild renal insufficiency is associated with increased cardiovascular mortality: The Hoorn Study. <i>Kidney International</i> , 2002 , 62, 1402-7	9.9	386
762	Arterial stiffness increases with deteriorating glucose tolerance status: the Hoorn Study. <i>Circulation</i> , 2003 , 107, 2089-95	16.7	378
761	Association of Cardiometabolic Multimorbidity With Mortality. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 314, 52-60	27.4	365

760	Increased central artery stiffness in impaired glucose metabolism and type 2 diabetes: the Hoorn Study. <i>Hypertension</i> , 2004 , 43, 176-81	8.5	357
759	Associations of hip and thigh circumferences independent of waist circumference with the incidence of type 2 diabetes: the Hoorn Study. <i>American Journal of Clinical Nutrition</i> , 2003 , 77, 1192-7	7	341
758	Alanine aminotransferase predicts coronary heart disease events: a 10-year follow-up of the Hoorn Study. <i>Atherosclerosis</i> , 2007 , 191, 391-6	3.1	325
757	Trunk fat and leg fat have independent and opposite associations with fasting and postload glucose levels: the Hoorn study. <i>Diabetes Care</i> , 2004 , 27, 372-7	14.6	316
756	Long term treatment with metformin in patients with type 2 diabetes and risk of vitamin B-12 deficiency: randomised placebo controlled trial. <i>BMJ, The</i> , 2010 , 340, c2181	5.9	312
755	Impaired microvascular function in obesity: implications for obesity-associated microangiopathy, hypertension, and insulin resistance. <i>Circulation</i> , 2004 , 109, 2529-35	16.7	310
754	Hyperhomocysteinemia is associated with an increased risk of cardiovascular disease, especially in non-insulin-dependent diabetes mellitus: a population-based study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998 , 18, 133-8	9.4	308
753	Microalbuminuria and risk for cardiovascular disease: Analysis of potential mechanisms. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 2106-11	12.7	305
752	Microalbuminuria and peripheral arterial disease are independent predictors of cardiovascular and all-cause mortality, especially among hypertensive subjects: five-year follow-up of the Hoorn Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999 , 19, 617-24	9.4	297
751	Blood pressure, lipids, and obesity are associated with retinopathy: the hoorn study. <i>Diabetes Care</i> , 2002 , 25, 1320-5	14.6	291
750	Long-term effects of metformin on metabolism and microvascular and macrovascular disease in patients with type 2 diabetes mellitus. <i>Archives of Internal Medicine</i> , 2009 , 169, 616-25		282
749	Inflammatory markers, adiponectin, and risk of type 2 diabetes in the Pima Indian. <i>Diabetes Care</i> , 2003 , 26, 1745-51	14.6	279
748	Does rheumatoid arthritis equal diabetes mellitus as an independent risk factor for cardiovascular disease? A prospective study. <i>Arthritis and Rheumatism</i> , 2009 , 61, 1571-9		271
747	von Willebrand factor, C-reactive protein, and 5-year mortality in diabetic and nondiabetic subjects: the Hoorn Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999 , 19, 3071-8	9.4	253
746	Disease variants alter transcription factor levels and methylation of their binding sites. <i>Nature Genetics</i> , 2017 , 49, 131-138	36.3	252
745	Plasma concentration of C-reactive protein is increased in type I diabetic patients without clinical macroangiopathy and correlates with markers of endothelial dysfunction: evidence for chronic inflammation. <i>Diabetologia</i> , 1999 , 42, 351-7	10.3	250
744	Rheumatoid arthritis versus diabetes as a risk factor for cardiovascular disease: a cross-sectional study, the CARRE Investigation. <i>Annals of the Rheumatic Diseases</i> , 2009 , 68, 1395-400	2.4	247
743	Identification of context-dependent expression quantitative trait loci in whole blood. <i>Nature Genetics</i> , 2017 , 49, 139-145	36.3	240

742	The effect of metformin on blood pressure, plasma cholesterol and triglycerides in type 2 diabetes mellitus: a systematic review. <i>Journal of Internal Medicine</i> , 2004 , 256, 1-14	10.8	239
741	Microvascular function relates to insulin sensitivity and blood pressure in normal subjects. <i>Circulation</i> , 1999 , 99, 896-902	16.7	232
740	Hyperhomocysteinemia increases risk of death, especially in type 2 diabetes : 5-year follow-up of the Hoorn Study. <i>Circulation</i> , 2000 , 101, 1506-11	16.7	222
739	Impaired skin capillary recruitment in essential hypertension is caused by both functional and structural capillary rarefaction. <i>Hypertension</i> , 2001 , 38, 238-42	8.5	218
738	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, 370-8	10.3	209
737	Endothelial dysfunction contributes to renal function-associated cardiovascular mortality in a population with mild renal insufficiency: the Hoorn study. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 537-45	12.7	200
736	Risk factors for incident retinopathy in a diabetic and nondiabetic population: the Hoorn study. <i>JAMA Ophthalmology</i> , 2003 , 121, 245-51		197
735	Glucose regulation, cognition, and brain MRI in type 2 diabetes: a systematic review. <i>Lancet Diabetes and Endocrinology</i> , 2015 , 3, 75-89	18.1	196
734	The Maastricht Study: an extensive phenotyping study on determinants of type 2 diabetes, its complications and its comorbidities. <i>European Journal of Epidemiology</i> , 2014 , 29, 439-51	12.1	194
733	Local stiffness of the carotid and femoral artery is associated with incident cardiovascular events and all-cause mortality: the Hoorn study. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 1739-47	15.1	194
732	Individuals at increased coronary heart disease risk are characterized by an impaired microvascular function in skin. <i>European Journal of Clinical Investigation</i> , 2003 , 33, 536-42	4.6	193
731	The role of methylglyoxal and the glyoxalase system in diabetes and other age-related diseases. <i>Clinical Science</i> , 2015 , 128, 839-61	6.5	183
730	Microvascular dysfunction: a potential pathophysiological role in the metabolic syndrome. <i>Hypertension</i> , 2007 , 50, 204-11	8.5	183
729	Endothelial dysfunction precedes development of microalbuminuria in IDDM. <i>Diabetes</i> , 1995 , 44, 561-4	0.9	183
728	Cardiovascular and metabolic effects of metformin in patients with type 1 diabetes (REMOVAL): a double-blind, randomised, placebo-controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2017 , 5, 597-609	18.1	177
727	Effects of short-term treatment with metformin on markers of endothelial function and inflammatory activity in type 2 diabetes mellitus: a randomized, placebo-controlled trial. <i>Journal of Internal Medicine</i> , 2005 , 257, 100-9	10.8	173
726	Microvascular dysfunction in obesity: a potential mechanism in the pathogenesis of obesity-associated insulin resistance and hypertension. <i>Physiology</i> , 2007 , 22, 252-60	9.8	171
725	Estimated glomerular filtration rate and urinary albumin excretion are independently associated with greater arterial stiffness: the Hoorn Study. <i>Journal of the American Society of Nephrology: JASN</i> , 2007 , 18, 1942-52	12.7	164

724	Combination of insulin and metformin in the treatment of type 2 diabetes. <i>Diabetes Care</i> , 2002 , 25, 2133-40	14.6	163
723	Free fatty acid levels modulate microvascular function: relevance for obesity-associated insulin resistance, hypertension, and microangiopathy. <i>Diabetes</i> , 2004 , 53, 2873-82	0.9	162
722	Effects of short-term treatment with metformin on serum concentrations of homocysteine, folate and vitamin B12 in type 2 diabetes mellitus: a randomized, placebo-controlled trial. <i>Journal of Internal Medicine</i> , 2003 , 254, 455-63	10.8	159
721	Inflammation and endothelial dysfunction are associated with retinopathy: the Hoorn Study. <i>Diabetologia</i> , 2005 , 48, 1300-6	10.3	159
720	Fructose-mediated non-enzymatic glycation: sweet coupling or bad modification. <i>Diabetes/Metabolism Research and Reviews</i> , 2004 , 20, 369-82	7.5	157
719	Microvascular complications at time of diagnosis of type 2 diabetes are similar among diabetic patients detected by targeted screening and patients newly diagnosed in general practice: the hoorn screening study. <i>Diabetes Care</i> , 2003 , 26, 2604-8	14.6	152
718	Vitamin D and mortality in older men and women. <i>Clinical Endocrinology</i> , 2009 , 71, 666-72	3.4	151
717	Development of fatness, fitness, and lifestyle from adolescence to the age of 36 years: determinants of the metabolic syndrome in young adults: the amsterdam growth and health longitudinal study. <i>Archives of Internal Medicine</i> , 2005 , 165, 42-8		150
716	Central fat mass versus peripheral fat and lean mass: opposite (adverse versus favorable) associations with arterial stiffness? The Amsterdam Growth and Health Longitudinal Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 2632-9	5.6	149
715	Association between arterial stiffness, cerebral small vessel disease and cognitive impairment: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 53, 121-30	9	146
714	Microalbuminuria is associated with impaired brachial artery, flow-mediated vasodilation in elderly individuals without and with diabetes: further evidence for a link between microalbuminuria and endothelial dysfunction--the Hoorn Study. <i>Kidney International</i> , 2004 , S42-4	9.9	145
713	Markers of inflammation and cellular adhesion molecules in relation to insulin resistance in nondiabetic elderly: the Rotterdam study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 4398-405	5.6	145
712	Obesity-associated low-grade inflammation in type 2 diabetes mellitus: causes and consequences. <i>Netherlands Journal of Medicine</i> , 2013 , 71, 174-87	0.5	144
711	Associations of total amount and patterns of sedentary behaviour with type 2 diabetes and the metabolic syndrome: The Maastricht Study. <i>Diabetologia</i> , 2016 , 59, 709-18	10.3	143
710	Impaired renal function is associated with markers of endothelial dysfunction and increased inflammatory activity. <i>Nephrology Dialysis Transplantation</i> , 2003 , 18, 892-8	4.3	141
709	Accuracy of serologic tests and HLA-DQ typing for diagnosing celiac disease. <i>Annals of Internal Medicine</i> , 2007 , 147, 294-302	8	140
708	Association of Microvascular Dysfunction With Late-Life Depression: A Systematic Review and Meta-analysis. <i>JAMA Psychiatry</i> , 2017 , 74, 729-739	14.5	138
707	The metabolic syndrome, cardiopulmonary fitness, and subcutaneous trunk fat as independent determinants of arterial stiffness: the Amsterdam Growth and Health Longitudinal Study. <i>Archives of Internal Medicine</i> , 2005 , 165, 875-82		138

706	Larger thigh and hip circumferences are associated with better glucose tolerance: the Hoorn study. <i>Obesity</i> , 2003 , 11, 104-11		137
705	Type 2 diabetes is associated with impaired endothelium-dependent, flow-mediated dilation, but impaired glucose metabolism is not; The Hoorn Study. <i>Atherosclerosis</i> , 2004 , 174, 49-56	3.1	137
704	Serum homocysteine and risk of coronary heart disease and cerebrovascular disease in elderly men: a 10-year follow-up. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998 , 18, 1895-901	9.4	136
703	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	8.5	135
702	Direct evidence for insulin-induced capillary recruitment in skin of healthy subjects during physiological hyperinsulinemia. <i>Diabetes</i> , 2002 , 51, 1515-22	0.9	135
701	Prediabetes and Type 2 Diabetes Are Associated With Generalized Microvascular Dysfunction: The Maastricht Study. <i>Circulation</i> , 2016 , 134, 1339-1352	16.7	135
700	Diabetes, prediabetes and cancer mortality. <i>Diabetologia</i> , 2010 , 53, 1867-76	10.3	134
699	Prognostic value of adiponectin for cardiovascular disease and mortality. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1489-96	5.6	134
698	Associations of adiponectin levels with incident impaired glucose metabolism and type 2 diabetes in older men and women: the hoorn study. <i>Diabetes Care</i> , 2006 , 29, 2498-503	14.6	130
697	Diabetic retinopathy is associated with mortality and cardiovascular disease incidence: the EURODIAB prospective complications study. <i>Diabetes Care</i> , 2005 , 28, 1383-9	14.6	127
696	NE(carboxymethyl)lysine-receptor for advanced glycation end product axis is a key modulator of obesity-induced dysregulation of adipokine expression and insulin resistance. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1199-208	9.4	126
695	Diabetes, pulse pressure and cardiovascular mortality: the Hoorn Study. <i>Journal of Hypertension</i> , 2002 , 20, 1743-51	1.9	126
694	Cerebral blood flow, blood supply, and cognition in Type 2 Diabetes Mellitus. <i>Scientific Reports</i> , 2016 , 6, 10	4.9	126
693	Carotid stiffness is associated with incident stroke: a systematic review and individual participant data meta-analysis. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 2116-2125	15.1	124
692	Renal effects of aliskiren compared with and in combination with irbesartan in patients with type 2 diabetes, hypertension, and albuminuria. <i>Diabetes Care</i> , 2009 , 32, 1873-9	14.6	124
691	Endothelium-dependent and -independent vasodilation of large arteries in normoalbuminuric insulin-dependent diabetes mellitus. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1996 , 16, 705-11	9.4	124
690	Microvascular Dysfunction and Hyperglycemia: A Vicious Cycle With Widespread Consequences. <i>Diabetes</i> , 2018 , 67, 1729-1741	0.9	121
689	The Emerging Risk Factors Collaboration: analysis of individual data on lipid, inflammatory and other markers in over 1.1 million participants in 104 prospective studies of cardiovascular diseases. <i>European Journal of Epidemiology</i> , 2007 , 22, 839-69	12.1	121

688	Endothelial dysfunction and low-grade inflammation explain much of the excess cardiovascular mortality in individuals with type 2 diabetes: the Hoorn Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 1086-93	9.4	120
687	Long-term homocysteine-lowering treatment with folic acid plus pyridoxine is associated with decreased blood pressure but not with improved brachial artery endothelium-dependent vasodilation or carotid artery stiffness: a 2-year, randomized, placebo-controlled trial. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 2072-9	9.4	119
686	Blood lipids influence DNA methylation in circulating cells. <i>Genome Biology</i> , 2016 , 17, 138	18.3	118
685	Glycemic index and glycemic load in relation to food and nutrient intake and metabolic risk factors in a Dutch population. <i>American Journal of Clinical Nutrition</i> , 2008 , 87, 655-61	7	117
684	Cardiovascular events in type 2 diabetes: comparison with nondiabetic individuals without and with prior cardiovascular disease. 10-year follow-up of the Hoorn Study. <i>European Heart Journal</i> , 2003 , 24, 1406-13	9.5	117
683	Methylglyoxal, a Highly Reactive Dicarbonyl Compound, in Diabetes, Its Vascular Complications, and Other Age-Related Diseases. <i>Physiological Reviews</i> , 2020 , 100, 407-461	47.9	116
682	Cerebral small vessel disease and risk of incident stroke, dementia and depression, and all-cause mortality: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2018 , 90, 164-173	9.7	115
681	Homocysteine and methionine metabolism in ESRD: A stable isotope study. <i>Kidney International</i> , 1999 , 56, 1064-71	9.9	115
680	Is higher dairy consumption associated with lower body weight and fewer metabolic disturbances? The Hoorn Study. <i>American Journal of Clinical Nutrition</i> , 2007 , 85, 989-95	7	113
679	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, 1137-46	9.5	112
678	The 1997 American Diabetes Association criteria versus the 1985 World Health Organization criteria for the diagnosis of abnormal glucose tolerance: poor agreement in the Hoorn Study. <i>Diabetes Care</i> , 1998 , 21, 1686-90	14.6	108
677	Plasma homocysteine and severity of atherosclerosis in young patients with lower-limb atherosclerotic disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1996 , 16, 165-71	9.4	108
676	Variation in the glucose transporter gene SLC2A2 is associated with glycemic response to metformin. <i>Nature Genetics</i> , 2016 , 48, 1055-1059	36.3	108
675	Cerebral microvascular complications of type 2 diabetes: stroke, cognitive dysfunction, and depression. <i>Lancet Diabetes and Endocrinology</i> , 2020 , 8, 325-336	18.1	107
674	Serum homocysteine level and protein intake are related to risk of microalbuminuria: the Hoorn Study. <i>Kidney International</i> , 1998 , 54, 203-9	9.9	107
673	Glucose tolerance and other determinants of cardiovascular autonomic function: the Hoorn Study. <i>Diabetologia</i> , 2000 , 43, 561-70	10.3	107
672	Hyperhomocysteinemia, vascular pathology, and endothelial dysfunction. <i>Seminars in Thrombosis and Hemostasis</i> , 2000 , 26, 281-9	5.3	107
671	Use of Proton Pump Inhibitors and Risks of Fundic Gland Polyps and Gastric Cancer: Systematic Review and Meta-analysis. <i>Clinical Gastroenterology and Hepatology</i> , 2016 , 14, 1706-1719.e5	6.9	107

670	Effect of oral and transdermal estrogen replacement therapy on hemostatic variables associated with venous thrombosis: a randomized, placebo-controlled study in postmenopausal women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003 , 23, 1116-21	9.4	105
669	Glyoxalase-1 overexpression reduces endothelial dysfunction and attenuates early renal impairment in a rat model of diabetes. <i>Diabetologia</i> , 2014 , 57, 224-35	10.3	104
668	Microalbuminuria is strongly associated with NIDDM and hypertension, but not with the insulin resistance syndrome: the Hoorn Study. <i>Diabetologia</i> , 1998 , 41, 694-700	10.3	104
667	Coffee consumption and incidence of impaired fasting glucose, impaired glucose tolerance, and type 2 diabetes: the Hoorn Study. <i>Diabetologia</i> , 2004 , 47, 2152-9	10.3	104
666	Potentially modifiable determinants of vitamin D status in an older population in the Netherlands: the Hoorn Study. <i>American Journal of Clinical Nutrition</i> , 2007 , 85, 755-61	7	103
665	Time course of the antiproteinuric and antihypertensive effects of direct renin inhibition in type 2 diabetes. <i>Kidney International</i> , 2008 , 73, 1419-25	9.9	102
664	Advanced glycation endproducts and its receptor for advanced glycation endproducts in obesity. <i>Current Opinion in Lipidology</i> , 2013 , 24, 4-11	4.4	100
663	No change in impaired endothelial function after long-term folic acid therapy of hyperhomocysteinaemia in haemodialysis patients. <i>Nephrology Dialysis Transplantation</i> , 1998 , 13, 106-12	4.3	99
662	C-reactive protein and soluble vascular cell adhesion molecule-1 are associated with elevated urinary albumin excretion but do not explain its link with cardiovascular risk. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002 , 22, 593-8	9.4	96
661	Vasoconstrictor effects of insulin in skeletal muscle arterioles are mediated by ERK1/2 activation in endothelium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H2043-8	5.2	95
660	Plasma advanced glycation end products are associated with incident cardiovascular events in individuals with type 2 diabetes: a case-cohort study with a median follow-up of 10 years (EPIC-NL). <i>Diabetes</i> , 2015 , 64, 257-65	0.9	94
659	Regulation of vascular function and insulin sensitivity by adipose tissue: focus on perivascular adipose tissue. <i>Microcirculation</i> , 2007 , 14, 389-402	2.9	94
658	Diabetic patients detected by population-based stepwise screening already have a diabetic cardiovascular risk profile. <i>Diabetes Care</i> , 2002 , 25, 1784-9	14.6	94
657	Effect of moderate-intensity exercise versus activities of daily living on 24-hour blood glucose homeostasis in male patients with type 2 diabetes. <i>Diabetes Care</i> , 2013 , 36, 3448-53	14.6	93
656	The frailty dilemma. Review of the predictive accuracy of major frailty scores. <i>European Journal of Internal Medicine</i> , 2012 , 23, 118-23	3.9	93
655	Markers of endothelial dysfunction and inflammation in type 1 diabetic patients with or without diabetic nephropathy followed for 10 years: association with mortality and decline of glomerular filtration rate. <i>Diabetes Care</i> , 2008 , 31, 1170-6	14.6	93
654	Effects of type 2 diabetes on 12-year cognitive change: results from the Maastricht Aging Study. <i>Diabetes Care</i> , 2013 , 36, 1554-61	14.6	92
653	Higher plasma soluble Receptor for Advanced Glycation End Products (sRAGE) levels are associated with incident cardiovascular disease and all-cause mortality in type 1 diabetes: a 12-year follow-up study. <i>Diabetes</i> , 2010 , 59, 2027-32	0.9	92

652	Menopausal status and risk factors for cardiovascular disease. <i>Journal of Internal Medicine</i> , 1999 , 246, 521-8	10.8	92
651	Adapted dietary inflammatory index and its association with a summary score for low-grade inflammation and markers of glucose metabolism: the Cohort study on Diabetes and Atherosclerosis Maastricht (CODAM) and the Hoorn study. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 1533-42	7	91
650	Physiological concentrations of insulin induce endothelin-mediated vasoconstriction during inhibition of NOS or PI3-kinase in skeletal muscle arterioles. <i>Cardiovascular Research</i> , 2002 , 56, 464-71	9.9	89
649	Cardiovascular and all-cause mortality in relation to various anthropometric measures of obesity in Europeans. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2015 , 25, 295-304	4.5	88
648	Carotid Intima-Media Thickness Progression as Surrogate Marker for Cardiovascular Risk: Meta-Analysis of 119 Clinical Trials Involving 100 667 Patients. <i>Circulation</i> , 2020 , 142, 621-642	16.7	88
647	Heterogeneous nature of microalbuminuria in NIDDM: studies of endothelial function and renal structure. <i>Diabetologia</i> , 1998 , 41, 233-6	10.3	88
646	Regional body composition as a determinant of arterial stiffness in the elderly: The Hoorn Study. <i>Journal of Hypertension</i> , 2004 , 22, 2339-47	1.9	88
645	Both resistance- and endurance-type exercise reduce the prevalence of hyperglycaemia in individuals with impaired glucose tolerance and in insulin-treated and non-insulin-treated type 2 diabetic patients. <i>Diabetologia</i> , 2012 , 55, 1273-82	10.3	87
644	Current and adolescent body fatness and fat distribution: relationships with carotid intima-media thickness and large artery stiffness at the age of 36 years. <i>Journal of Hypertension</i> , 2004 , 22, 145-55	1.9	87
643	Treatment of hypertension in the oldest old: a critical role for frailty?. <i>Hypertension</i> , 2014 , 63, 433-41	8.5	86
642	Brisk walking compared with an individualised medical fitness programme for patients with type 2 diabetes: a randomised controlled trial. <i>Diabetologia</i> , 2008 , 51, 736-46	10.3	86
641	Advanced glycation end products are associated with pulse pressure in type 1 diabetes: the EURODIAB Prospective Complications Study. <i>Hypertension</i> , 2005 , 46, 232-7	8.5	86
640	Plasma homocysteine concentration predicts mortality in non-insulin-dependent diabetic patients with and without albuminuria. <i>Kidney International</i> , 1999 , 55, 308-14	9.9	86
639	Current therapeutic interventions in the glycation pathway: evidence from clinical studies. <i>Diabetes, Obesity and Metabolism</i> , 2013 , 15, 677-89	6.7	84
638	Plasma levels of advanced glycation endproducts Nε(carboxymethyl)lysine, Nε(carboxyethyl)lysine, and pentosidine are not independently associated with cardiovascular disease in individuals with or without type 2 diabetes: the Hoorn and CODAM studies. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, E1369-73	5.6	84
637	Serum homocysteine levels are associated with the development of (micro)albuminuria: the Hoorn study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001 , 21, 74-81	9.4	84
636	Race/Ethnic Differences in the Associations of the Framingham Risk Factors with Carotid IMT and Cardiovascular Events. <i>PLoS ONE</i> , 2015 , 10, e0132321	3.7	83
635	Older individuals with diabetes have an increased risk of recurrent falls: analysis of potential mediating factors: the Longitudinal Ageing Study Amsterdam. <i>Age and Ageing</i> , 2012 , 41, 358-65	3	83

634	Endothelial dysfunction in (pre)diabetes: characteristics, causative mechanisms and pathogenic role in type 2 diabetes. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2013 , 14, 39-48	10.5	82
633	Long-term effects of metformin on endothelial function in type 2 diabetes: a randomized controlled trial. <i>Journal of Internal Medicine</i> , 2014 , 275, 59-70	10.8	82
632	High risk of cardiovascular mortality in individuals with impaired fasting glucose is explained by conversion to diabetes: the Hoorn study. <i>Diabetes Care</i> , 2007 , 30, 332-6	14.6	82
631	Increased accumulation of the glycoxidation product Nepsilon-(carboxymethyl)lysine in hearts of diabetic patients: generation and characterisation of a monoclonal anti-CML antibody. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2004 , 1636, 82-9	5	82
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335	Sedentary Behavior Is Only Marginally Associated with Physical Function in Adults Aged 40-75 Years-the Maastricht Study. <i>Frontiers in Physiology</i> , 2017 , 8, 242	4.6	19
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188	Improved quantification of muscle insulin sensitivity using oral glucose tolerance test data: the MISI Calculator. <i>Scientific Reports</i> , 2019 , 9, 9388	4.9	8
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185	Metformin-associated lactic acidosis in a patient with normal kidney function. <i>Diabetes Research and Clinical Practice</i> , 2012 , 96, e57-8	7.4	8

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177	Association of type 2 diabetes mellitus with self-reported knee pain and clinical knee osteoarthritis: The Maastricht Study. <i>Diabetes and Metabolism</i> , 2018 , 44, 296-299	5.4	7
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166	Contribution of Liver Fat to Weight Loss-Induced Changes in Serum Hepatokines: A Randomized Controlled Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 2719-2727	5.6	6
165	Potential Markers of Dietary Glycemic Exposures for Sustained Dietary Interventions in Populations without Diabetes. <i>Advances in Nutrition</i> , 2020 , 11, 1221-1236	10	6
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163	Associations of (pre)diabetes with right ventricular and atrial structure and function: the Maastricht Study. <i>Cardiovascular Diabetology</i> , 2020 , 19, 88	8.7	6
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161	Cognitive decline in type 2 diabetes. <i>Lancet Diabetes and Endocrinology</i> , 2014 , 2, 188-9	18.1	6
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159	Sex differences in cardiometabolic risk factors, pharmacological treatment and risk factor control in type 2 diabetes: findings from the Dutch Diabetes Pearl cohort. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	6
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157	Machine learning-based glucose prediction with use of continuous glucose and physical activity monitoring data: The Maastricht Study. <i>PLoS ONE</i> , 2021 , 16, e0253125	3.7	6
156	Albuminuria is associated with a higher prevalence of depression in a population-based cohort study: the Maastricht Study. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, 128-138	4.3	6
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154	The association between cardio-respiratory fitness and incident depression: The Maastricht Study. <i>Journal of Affective Disorders</i> , 2021 , 279, 484-490	6.6	6
153	The systolic-diastolic difference in carotid stiffness is increased in type 2 diabetes: The Maastricht Study. <i>Journal of Hypertension</i> , 2017 , 35, 1052-1060	1.9	5
152	Type 2 diabetes and HbA are independently associated with wider retinal arterioles: the Maastricht study. <i>Diabetologia</i> , 2020 , 63, 1408-1417	10.3	5
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149	Association of changes in inflammation with variation in glycaemia, insulin resistance and secretion based on the KORA study. <i>Diabetes/Metabolism Research and Reviews</i> , 2018 , 34, e3063	7.5	5

148	Uric acid and skin microvascular function: the Maastricht study. <i>Journal of Hypertension</i> , 2015 , 33, 1651-71.9	5
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139	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	14.6 5
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136	Association between social network characteristics and prevalent and incident depression: The Maastricht Study. <i>Journal of Affective Disorders</i> , 2021 , 293, 338-346	6.6 5
135	The Association Between Diabetes Mellitus and Risk of Sarcopenia: Accumulated Evidences From Observational Studies.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 782391	5.7 5
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133	Alcohol Consumption and Common Carotid Intima-Media Thickness: The USE-IMT Study. <i>Alcohol and Alcoholism</i> , 2017 , 52, 483-486	3.5 4
132	Diabetic retinopathy: looking beyond the eyes. <i>Diabetologia</i> , 2020 , 63, 1662-1664	10.3 4
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126	Glucocorticoids affect metabolic but not muscle microvascular insulin sensitivity following high versus low salt intake. <i>JCI Insight</i> , 2020 , 5,	9.9	4
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124	Higher levels of daily physical activity are associated with better skin microvascular function in type 2 diabetes-The Maastricht Study. <i>Microcirculation</i> , 2020 , 27, e12611	2.9	4
123	Serum Matrix Metalloproteinases and Left Atrial Remodeling-The Hoorn Study. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
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121	Moderate and heavy alcohol consumption are prospectively associated with decreased left ventricular ejection fraction: The Hoorn Study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020 , 30, 132-140	4.5	4
120	Association of artificially sweetened and sugar-sweetened soft drinks with β -cell function, insulin sensitivity, and type 2 diabetes: the Maastricht Study. <i>European Journal of Nutrition</i> , 2020 , 59, 1717-1727	5.2	4
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118	Sleep Apnea is Associated With Accelerated Vascular Aging: Results From 2 European Community-Based Cohort Studies. <i>Journal of the American Heart Association</i> , 2021 , 10, e021318	6	4
117	Sex hormone-binding globulin: biomarker and hepatokine?. <i>Trends in Endocrinology and Metabolism</i> , 2021 , 32, 544-553	8.8	4
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113	Associations of 24-Hour Urinary Sodium and Potassium Excretion with Cardiac Biomarkers: The Maastricht Study. <i>Journal of Nutrition</i> , 2020 , 150, 1413-1424	4.1	3

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108	Parabolic relationship between plasma triacylglycerols and LDL-cholesterol in familial combined hyperlipidaemia: the multiple-type hyperlipidaemia explained?. <i>Clinical Science</i> , 2008 , 114, 393-401	6.5	3
107	Urinary cortisol is inversely associated with capillary recruitment in women: a potential explanation for the cortisol-blood pressure relationship. <i>Clinical Science</i> , 2007 , 113, 83-91	6.5	3
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105	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> , 2021 ,	7	3
104	Microvascular dysfunction: Determinants and treatment, with a focus on hyperglycemia. <i>Endocrine and Metabolic Science</i> , 2021 , 2, 100073	1	3
103	Metformin and carotid intima-media thickness in never-smokers with type 1 diabetes: The REMOVAL trial. <i>Diabetes, Obesity and Metabolism</i> , 2021 , 23, 1371-1378	6.7	3
102	Relationship between de novo lipogenesis and serum sex hormone binding globulin in humans. <i>Clinical Endocrinology</i> , 2021 , 95, 101-106	3.4	3
101	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	3.7	3
100	The relation of depression with structural brain abnormalities and cognitive functioning: the Maastricht study. <i>Psychological Medicine</i> , 2021 , 1-10	6.9	3
99	Associations between plasma kynurenines and cognitive function in individuals with normal glucose metabolism, prediabetes and type 2 diabetes: the Maastricht Study. <i>Diabetologia</i> , 2021 , 64, 2445-2457	10.3	3
98	The association of markers of cerebral small vessel disease and brain atrophy with incidence and course of depressive symptoms - the maastricht study. <i>Journal of Affective Disorders</i> , 2021 , 292, 439-447	6.6	3
97	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	16.6	3
96	Endothelial Function and Dysfunction		3
95	Timing of syncope during blood sampling - The Maastricht Study. <i>European Journal of Internal Medicine</i> , 2017 , 43, e46-e47	3.9	2

94	Aldosterone-Renin Ratio and Side-Selective Renal Perfusion in Essential Hypertension. <i>American Journal of Hypertension</i> , 2016 , 29, 1311-1316	2.3	2
93	Association between bone metabolism regulators and arterial stiffness in type 2 diabetes patients. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018 , 28, 1245-1252	4.5	2
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91	Autonomic function is not associated with the incidence of type 2 diabetes in a high-risk population: the Hoorn study. <i>Diabetes and Metabolism</i> , 2014 , 40, 128-36	5.4	2
90	New risk equations for complications of type 2 diabetes are welcome, but a broader perspective is needed. <i>Lancet Diabetes and Endocrinology</i> , 2017 , 5, 759-761	18.1	2
89	No need to change guidelines for diabetic retinopathy and renin-angiotensin system inhibitors. <i>Lancet Diabetes and Endocrinology</i> , 2015 , 3, 231-2	18.1	2
88	Vascular retinopathy in relation to cognitive functioning in an older population--the Hoorn Study. <i>Journal of the American Geriatrics Society</i> , 2014 , 62, 977-9	5.6	2
87	Genetic and environmental factors in associations between infant growth and adult cardiometabolic risk profile in twins. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 994-1001	7	2
86	Homocysteine induces phosphatidylserine exposure in cardiomyocytes through inhibition of Rho kinase and flippase activity. <i>Cellular Physiology and Biochemistry</i> , 2011 , 28, 53-62	3.9	2
85	The relationship of lipoprotein lipase activity and LDL size is dependent on glucose metabolism in an elderly population: the Hoorn Study. <i>Diabetes Care</i> , 2004 , 27, 796-8	14.6	2
84	A 4-week high-AGE diet does not impair glucose metabolism and vascular function in obese individuals.. <i>JCI Insight</i> , 2022 ,	9.9	2
83	Associations of dicarbonyl stress with complement activation: the CODAM study. <i>Diabetologia</i> , 2020 , 63, 1032-1042	10.3	2
82	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	6.5	2
81	Association of the Amount and Pattern of Physical Activity With Arterial Stiffness: The Maastricht Study. <i>Journal of the American Heart Association</i> , 2020 , 9, e017502	6	2
80	The Association of Vitamin D and Vitamin K Status with Subclinical Measures of Cardiovascular Health and All-Cause Mortality in Older Adults: The Hoorn Study. <i>Journal of Nutrition</i> , 2020 , 150, 3171-3179	4.1	2
79	Accelerometer-derived sedentary time and physical activity and the incidence of depressive symptoms - The Maastricht Study. <i>Psychological Medicine</i> , 2020 , 1-8	6.9	2
78	Carotid stiffness is associated with retinal microvascular dysfunction-The Maastricht study. <i>Microcirculation</i> , 2021 , 28, e12702	2.9	2
77	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	5.9	2

76	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	5.9	2
75	Associations of cells from both innate and adaptive immunity with lower nerve conduction velocity: the Maastricht Study. <i>BMJ Open Diabetes Research and Care</i> , 2021 , 9,	4.5	2
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73	Associations of the Lifestyle for Brain Health Index With Structural Brain Changes and Cognition: Results From the Maastricht Study. <i>Neurology</i> , 2021 , 97, e1300-e1312	6.5	2
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70	Drug utilization in the Maastricht Study: A comparison with nationwide data. <i>Medicine (United States)</i> , 2020 , 99, e18524	1.8	1
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68	Plasma triglycerides and LDL cholesterol are related in a parabolic fashion in the general population and patients with Type 2 diabetes mellitus: long-term follow-up results from the Hoorn study. <i>Diabetic Medicine</i> , 2008 , 25, 1121-4	3.5	1
67	Does microvascular dysfunction link obesity with insulin resistance and hypertension?. <i>Expert Review of Endocrinology and Metabolism</i> , 2006 , 1, 181-187	4.1	1
66	Clinical relevance of hyperhomocysteinaemia in atherothrombotic disease. <i>Drugs and Aging</i> , 2000 , 16, 251-60	4.7	1
65	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	10.3	1
64	Association of Retinal Nerve Fiber Layer Thickness, an Index of Neurodegeneration, With Depressive Symptoms Over Time. <i>JAMA Network Open</i> , 2021 , 4, e2134753	10.4	1
63	Exercise SBP response and incident depressive symptoms: The Maastricht Study. <i>Journal of Hypertension</i> , 2021 , 39, 494-502	1.9	1
62	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	4.9	1
61	Sex Disparities in Cardiovascular Risk Factor Assessment and Screening for Diabetes-Related Complications in Individuals With Diabetes: A Systematic Review. <i>Frontiers in Endocrinology</i> , 2021 , 12, 617902	5.7	1
60	Sex differences in the association of prediabetes and type 2 diabetes with microvascular complications and function: The Maastricht Study. <i>Cardiovascular Diabetology</i> , 2021 , 20, 102	8.7	1
59	Sex differences in the longitudinal relationship of low-grade inflammation and echocardiographic measures in the Hoorn and FLEMENGHO Study. <i>PLoS ONE</i> , 2021 , 16, e0251148	3.7	1

58	Measures of Left Ventricular Diastolic Function and Cardiorespiratory Fitness According to Glucose Metabolism Status: The Maastricht Study. <i>Journal of the American Heart Association</i> , 2021 , 10, e020387	6	1
57	Association of physical activity and sedentary time with structural brain networks-The Maastricht Study. <i>GeroScience</i> , 2021 , 43, 239-252	8.9	1
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53	Obesity, Metabolic Syndrome, Diabetes and Smoking 2014 , 409-422		1
52	Metformin: A Narrative Review of Its Potential Benefits for Cardiovascular Disease, Cancer and Dementia.. <i>Pharmaceuticals</i> , 2022 , 15,	5.2	1
51	Metformin and high-sensitivity cardiac troponin I and T trajectories in type 2 diabetes patients: a post-hoc analysis of a randomized controlled trial.. <i>Cardiovascular Diabetology</i> , 2022 , 21, 49	8.7	1
50	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	6.3	1
49	Urinary Phosphate Excretion and Microvascular Function in a Population-Based Cohort. <i>Kidney Medicine</i> , 2020 , 2, 812-815	2.8	0
48	Vascular risk factors for optical coherence tomography-detected macular cysts: The Maastricht Study. <i>Acta Ophthalmologica</i> , 2021 , 99, e860-e868	3.7	0
47	Neighbourhood property value and type 2 diabetes mellitus in the Maastricht study: A multilevel study. <i>PLoS ONE</i> , 2020 , 15, e0234324	3.7	0
46	Glucose Metabolism, Diabetes, and the Arterial Wall 2015 , 147-156		0
45	Research update for articles published in EJCI in 2008. <i>European Journal of Clinical Investigation</i> , 2010 , 40, 770-789	4.6	0
44	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 , 1	5.2	0
43	Extracerebral microvascular dysfunction is related to brain MRI markers of cerebral small vessel disease: The Maastricht Study. <i>GeroScience</i> , 2021 , 1	8.9	0
42	High vitamin K status is prospectively associated with decreased left ventricular mass in women: the Hoorn Study. <i>Nutrition Journal</i> , 2021 , 20, 85	4.3	0
41	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 sub-study. <i>Diabetic Medicine</i> , 2021 , 38, e14405	3.5	0

40	Towards precision medicine in diabetes? A critical review of glucotypes. <i>PLoS Biology</i> , 2021 , 19, e3000890.	7	o
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