

Christian Herder

List of Publications by Year in descending order

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Version: 2024-02-01

272
papers

31,527
citations

10986

71
h-index

5120

166
g-index

284
all docs

284
docs citations

284
times ranked

39248
citing authors

#	ARTICLE	IF	CITATIONS
1	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. <i>Nature Genetics</i> , 2010, 42, 105-116.	21.4	1,982
2	Prediabetes: a high-risk state for diabetes development. <i>Lancet, The</i> , 2012, 379, 2279-2290.	13.7	1,950
3	Large-scale association analysis provides insights into the genetic architecture and pathophysiology of type 2 diabetes. <i>Nature Genetics</i> , 2012, 44, 981-990.	21.4	1,748
4	Meta-analysis of genome-wide association data and large-scale replication identifies additional susceptibility loci for type 2 diabetes. <i>Nature Genetics</i> , 2008, 40, 638-645.	21.4	1,683
5	Twelve type 2 diabetes susceptibility loci identified through large-scale association analysis. <i>Nature Genetics</i> , 2010, 42, 579-589.	21.4	1,631
6	Fine-mapping type 2 diabetes loci to single-variant resolution using high-density imputation and islet-specific epigenome maps. <i>Nature Genetics</i> , 2018, 50, 1505-1513.	21.4	1,331
7	Relationship between Adipocyte Size and Adipokine Expression and Secretion. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 1023-1033.	3.6	1,040
8	Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. <i>Nature Genetics</i> , 2014, 46, 234-244.	21.4	959
9	The genetic architecture of type 2 diabetes. <i>Nature</i> , 2016, 536, 41-47.	27.8	952
10	Large-scale association analyses identify new loci influencing glycaemic traits and provide insight into the underlying biological pathways. <i>Nature Genetics</i> , 2012, 44, 991-1005.	21.4	746
11	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. <i>Nature</i> , 2017, 541, 81-86.	27.8	743
12	Adaptation of Hepatic Mitochondrial Function in Humans with Non-Alcoholic Fatty Liver Is Lost in Steatohepatitis. <i>Cell Metabolism</i> , 2015, 21, 739-746.	16.2	706
13	Variants in MTNR1B influence fasting glucose levels. <i>Nature Genetics</i> , 2009, 41, 77-81.	21.4	662
14	Novel biomarkers for pre-diabetes identified by metabolomics. <i>Molecular Systems Biology</i> , 2012, 8, 615.	7.2	605
15	Novel Loci for Adiponectin Levels and Their Influence on Type 2 Diabetes and Metabolic Traits: A Multi-Ethnic Meta-Analysis of 45,891 Individuals. <i>PLoS Genetics</i> , 2012, 8, e1002607.	3.5	419
16	Epigenome-wide association of DNA methylation markers in peripheral blood from Indian Asians and Europeans with incident type 2 diabetes: a nested case-control study. <i>Lancet Diabetes and Endocrinology</i> , 2015, 3, 526-534.	11.4	396
17	Common Variants at 10 Genomic Loci Influence Hemoglobin A1C Levels via Glycemic and Nonglycemic Pathways. <i>Diabetes</i> , 2010, 59, 3229-3239.	0.6	387
18	Risk of diabetes-associated diseases in subgroups of patients with recent-onset diabetes: a 5-year follow-up study. <i>Lancet Diabetes and Endocrinology</i> , 2019, 7, 684-694.	11.4	364

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19	Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. <i>PLoS Medicine</i> , 2017, 14, e1002383.	8.4	341
20	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021, 53, 840-860.	21.4	341
21	Role of diacylglycerol activation of PKC δ in lipid-induced muscle insulin resistance in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9597-9602.	7.1	326
22	Traffic-Related Air Pollution and Incident Type 2 Diabetes: Results from the SALIA Cohort Study. <i>Environmental Health Perspectives</i> , 2010, 118, 1273-1279.	6.0	321
23	Effects of coffee consumption on subclinical inflammation and other risk factors for type 2 diabetes: a clinical trial. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 950-957.	4.7	310
24	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. <i>Genome Biology</i> , 2016, 17, 255.	8.8	251
25	Sex differences in the relation of body composition to markers of inflammation. <i>Atherosclerosis</i> , 2006, 184, 216-224.	0.8	214
26	Specific Hepatic Sphingolipids Relate to Insulin Resistance, Oxidative Stress, and Inflammation in Nonalcoholic Steatohepatitis. <i>Diabetes Care</i> , 2018, 41, 1235-1243.	8.6	203
27	Empagliflozin Effectively Lowers Liver Fat Content in Well-Controlled Type 2 Diabetes: A Randomized, Double-Blind, Phase 4, Placebo-Controlled Trial. <i>Diabetes Care</i> , 2020, 43, 298-305.	8.6	185
28	Elevated Levels of Interleukin-18 Predict the Development of Type 2 Diabetes: Results From the MONICA/KORA Augsburg Study, 1984-2002. <i>Diabetes</i> , 2005, 54, 2932-2938.	0.6	179
29	Elevated Levels of the Anti-Inflammatory Interleukin-1 Receptor Antagonist Precede the Onset of Type 2 Diabetes. <i>Diabetes Care</i> , 2009, 32, 421-423.	8.6	177
30	Impact of early psychosocial factors (childhood socioeconomic factors and adversities) on future risk of type 2 diabetes, metabolic disturbances and obesity: a systematic review. <i>BMC Public Health</i> , 2010, 10, 525.	2.9	176
31	Low-Grade Inflammation, Obesity, and Insulin Resistance in Adolescents. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 4569-4574.	3.6	156
32	Sex Differences in the Prediction of Type 2 Diabetes by Inflammatory Markers. <i>Diabetes Care</i> , 2007, 30, 854-860.	8.6	148
33	Biomarkers for the Prediction of Type 2 Diabetes and Cardiovascular Disease. <i>Clinical Pharmacology and Therapeutics</i> , 2011, 90, 52-66.	4.7	148
34	Acute dietary fat intake initiates alterations in energy metabolism and insulin resistance. <i>Journal of Clinical Investigation</i> , 2017, 127, 695-708.	8.2	148
35	The IL-1 Pathway in Type 2 Diabetes and Cardiovascular Complications. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 551-563.	7.1	146
36	Association of Systemic Chemokine Concentrations With Impaired Glucose Tolerance and Type 2 Diabetes. <i>Diabetes</i> , 2005, 54, S11-S17.	0.6	145

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37	Increased Concentrations of C-Reactive Protein and IL-6 but not IL-18 Are Independently Associated With Incident Coronary Events in Middle-Aged Men and Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2745-2751.	2.4	140
38	Emerging Biomarkers, Tools, and Treatments for Diabetic Polyneuropathy. <i>Endocrine Reviews</i> , 2019, 40, 153-192.	20.1	140
39	Anti-inflammatory cytokines and risk of type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2013, 15, 39-50.	4.4	137
40	Production and Release of Macrophage Migration Inhibitory Factor from Human Adipocytes. <i>Endocrinology</i> , 2005, 146, 1006-1011.	2.8	134
41	Anti-inflammatory effect of lifestyle changes in the Finnish Diabetes Prevention Study. <i>Diabetologia</i> , 2009, 52, 433-442.	6.3	133
42	Chemokines as risk factors for type 2 diabetes: results from the MONICA/KORA Augsburg study, 1984-2002. <i>Diabetologia</i> , 2006, 49, 921-929.	6.3	132
43	Association Between Long-term Exposure to Air Pollution and Biomarkers Related to Insulin Resistance, Subclinical Inflammation, and Adipokines. <i>Diabetes</i> , 2016, 65, 3314-3326.	0.6	127
44	The proatherogenic cytokine interleukin-18 is secreted by human adipocytes. <i>European Journal of Endocrinology</i> , 2005, 152, 863-868.	3.7	123
45	Genetics of type 2 diabetes: pathophysiologic and clinical relevance. <i>European Journal of Clinical Investigation</i> , 2011, 41, 679-692.	3.4	120
46	Accelerated Increase in Serum Interleukin-1 Receptor Antagonist Starts 6 Years Before Diagnosis of Type 2 Diabetes. <i>Diabetes</i> , 2010, 59, 1222-1227.	0.6	117
47	Differential Expression of Chemokines, Risk of Stable Coronary Heart Disease, and Correlation with Established Cardiovascular Risk Markers. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 194-199.	2.4	115
48	Systemic Immune Mediators and Lifestyle Changes in the Prevention of Type 2 Diabetes. <i>Diabetes</i> , 2006, 55, 2340-2346.	0.6	110
49	Prediabetes and risk of mortality, diabetes-related complications and comorbidities: umbrella review of meta-analyses of prospective studies. <i>Diabetologia</i> , 2022, 65, 275-285.	6.3	110
50	Chemokines and Incident Coronary Heart Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2147-2152.	2.4	108
51	Sleep Duration, Lifestyle Intervention, and Incidence of Type 2 Diabetes in Impaired Glucose Tolerance. <i>Diabetes Care</i> , 2009, 32, 1965-1971.	8.6	102
52	Mechanisms Underlying the Onset of Oral Lipid-Induced Skeletal Muscle Insulin Resistance in Humans. <i>Diabetes</i> , 2013, 62, 2240-2248.	0.6	102
53	The Effect of a Diabetes-Specific Cognitive Behavioral Treatment Program (DIAMOS) for Patients With Diabetes and Subclinical Depression: Results of a Randomized Controlled Trial. <i>Diabetes Care</i> , 2015, 38, 551-560.	8.6	102
54	Significant Association of the Interleukin-6 Gene Polymorphisms C-174G and A-598G with Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 5053-5058.	3.6	99

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55	Cohort profile: the German Diabetes Study (GDS). <i>Cardiovascular Diabetology</i> , 2016, 15, 59.	6.8	97
56	Subclinical Inflammation and Diabetic Polyneuropathy. <i>Diabetes Care</i> , 2009, 32, 680-682.	8.6	92
57	Association of Systemic Concentrations of Macrophage Migration Inhibitory Factor With Impaired Glucose Tolerance and Type 2 Diabetes: Results from the Cooperative Health Research in the Region of Augsburg, Survey 4 (KORA S4). <i>Diabetes Care</i> , 2006, 29, 368-371.	8.6	91
58	Older Subjects With Diabetes and Prediabetes Are Frequently Unaware of Having Distal Sensorimotor Polyneuropathy. <i>Diabetes Care</i> , 2013, 36, 1141-1146.	8.6	89
59	Proinflammatory Cytokines Predict the Incidence and Progression of Distal Sensorimotor Polyneuropathy: KORA F4/FF4 Study. <i>Diabetes Care</i> , 2017, 40, 569-576.	8.6	88
60	Trajectories of cardiometabolic risk factors before diagnosis of three subtypes of type 2 diabetes: a post-hoc analysis of the longitudinal Whitehall II cohort study. <i>Lancet Diabetes and Endocrinology</i> , 2013, 1, 43-51.	11.4	87
61	Effect of Dietary Sugar Intake on Biomarkers of Subclinical Inflammation: A Systematic Review and Meta-Analysis of Intervention Studies. <i>Nutrients</i> , 2018, 10, 606.	4.1	87
62	Association between DNA Methylation in Whole Blood and Measures of Glucose Metabolism: KORA F4 Study. <i>PLoS ONE</i> , 2016, 11, e0152314.	2.5	81
63	Circulating Levels of Interleukin 1-Receptor Antagonist and Risk of Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1222-1227.	2.4	81
64	Immunological and Cardiometabolic Risk Factors in the Prediction of Type 2 Diabetes and Coronary Events: MONICA/KORA Augsburg Case-Cohort Study. <i>PLoS ONE</i> , 2011, 6, e19852.	2.5	80
65	Inflammation and Type 2 Diabetes: Results from KORA Augsburg. <i>Gesundheitswesen</i> , 2005, 67, 115-121.	0.5	77
66	Effect of Serum 25-Hydroxyvitamin D on Risk for Type 2 Diabetes May Be Partially Mediated by Subclinical Inflammation. <i>Diabetes Care</i> , 2011, 34, 2320-2322.	8.6	77
67	Effect of macrophage migration inhibitory factor (MIF) gene variants and MIF serum concentrations on the risk of type 2 diabetes: results from the MONICA/KORA Augsburg Case-Cohort Study, 1984-2002. <i>Diabetologia</i> , 2008, 51, 276-284.	6.3	76
68	Association of Subclinical Inflammation With Polyneuropathy in the Older Population. <i>Diabetes Care</i> , 2013, 36, 3663-3670.	8.6	76
69	Influence of Acute and Chronic Exercise on Glucose Uptake. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-33.	2.3	76
70	Immune Mediators in Patients With Acute Diabetic Foot Syndrome. <i>Diabetes Care</i> , 2009, 32, 1491-1496.	8.6	75
71	Association between pro- and anti-inflammatory cytokines and depressive symptoms in patients with diabetes—potential differences by diabetes type and depression scores. <i>Translational Psychiatry</i> , 2017, 7, 1.	4.8	75
72	Association of IL-1ra and Adiponectin With C-Peptide and Remission in Patients With Type 1 Diabetes. <i>Diabetes</i> , 2008, 57, 929-937.	0.6	74

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73	Adiponectin and Cardiovascular Mortality: Evidence for "Reverse Epidemiology". <i>Hormone and Metabolic Research</i> , 2007, 39, 1-2.	1.5	73
74	Associations between leptin and the leptin/adiponectin ratio and incident Type 2 diabetes in middle-aged men and women: results from the MONICA/KORA Augsburg Study 1984-2002. <i>Diabetic Medicine</i> , 2010, 27, 1004-1011.	2.7	72
75	Variants of the <i>PPARG</i> , <i>IGF2BP2</i> , <i>CDKAL1</i> , <i>HHEX</i> , and <i>TCF7L2</i> Genes Confer Risk of Type 2 Diabetes Independently of BMI in the German KORA Studies. <i>Hormone and Metabolic Research</i> , 2008, 40, 722-726.	1.5	71
76	Analyzing Illumina Gene Expression Microarray Data from Different Tissues: Methodological Aspects of Data Analysis in the MetaXpress Consortium. <i>PLoS ONE</i> , 2012, 7, e50938.	2.5	71
77	Transforming Growth Factor- β 1 and Incident Type 2 Diabetes. <i>Diabetes Care</i> , 2009, 32, 1921-1923.	8.6	70
78	The activation of the inflammatory cytokines in overweight patients with mild obstructive sleep apnoea. <i>Journal of Sleep Research</i> , 2010, 19, 341-348.	3.2	68
79	Risk phenotypes of diabetes and association with COVID-19 severity and death: a living systematic review and meta-analysis. <i>Diabetologia</i> , 2021, 64, 1480-1491.	6.3	68
80	Functional Characterization of Promoter Variants of the Adiponectin Gene Complemented by Epidemiological Data. <i>Diabetes</i> , 2009, 58, 984-991.	0.6	67
81	Variants of the Transcription Factor 7-Like 2 Gene (<i>TCF7L2</i>) are Strongly Associated with Type 2 Diabetes but not with the Metabolic Syndrome in the MONICA/KORA Surveys. <i>Hormone and Metabolic Research</i> , 2007, 39, 46-52.	1.5	64
82	Low Levels of Serum 25-Hydroxyvitamin D Are Associated with Increased Risk of Myocardial Infarction, Especially in Women: Results from the MONICA/KORA Augsburg Case-Cohort Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 272-280.	3.6	64
83	Perceived risk of diabetes seriously underestimates actual diabetes risk: The KORA FF4 study. <i>PLoS ONE</i> , 2017, 12, e0171152.	2.5	64
84	General and Abdominal Obesity and Incident Distal Sensorimotor Polyneuropathy: Insights Into Inflammatory Biomarkers as Potential Mediators in the KORA F4/FF4 Cohort. <i>Diabetes Care</i> , 2019, 42, 240-247.	8.6	64
85	The potential of novel biomarkers to improve risk prediction of type 2 diabetes. <i>Diabetologia</i> , 2014, 57, 16-29.	6.3	63
86	Prediction models for incident Type 2 diabetes mellitus in the older population: KORA S4/F4 cohort study. <i>Diabetic Medicine</i> , 2010, 27, 1116-1123.	2.3	62
87	Macrophage inhibitory cytokine-1 is increased in individuals before type 2 diabetes diagnosis but is not an independent predictor of type 2 diabetes: the Whitehall II study. <i>European Journal of Endocrinology</i> , 2010, 162, 913-917.	3.7	62
88	Adiponectin may mediate the association between omentin, circulating lipids and insulin sensitivity: results from the KORA F4 study. <i>European Journal of Endocrinology</i> , 2015, 172, 423-432.	3.7	62
89	An integrative cross-omics analysis of DNA methylation sites of glucose and insulin homeostasis. <i>Nature Communications</i> , 2019, 10, 2581.	12.8	62
90	Myeloperoxidase is associated with incident coronary heart disease independently of traditional risk factors: results from the MONICA/KORA Augsburg study. <i>Journal of Internal Medicine</i> , 2012, 271, 43-50.	6.0	61

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91	Effects of Acute Psychological Stress on Glucose Metabolism and Subclinical Inflammation in Patients with Post-traumatic Stress Disorder. <i>Hormone and Metabolic Research</i> , 2010, 42, 746-753.	1.5	59
92	Plasma Concentrations of Afamin Are Associated With Prevalent and Incident Type 2 Diabetes: A Pooled Analysis in More Than 20,000 Individuals. <i>Diabetes Care</i> , 2017, 40, 1386-1393.	8.6	59
93	Association between Traffic-Related Air Pollution, Subclinical Inflammation and Impaired Glucose Metabolism: Results from the SALIA Study. <i>PLoS ONE</i> , 2013, 8, e83042.	2.5	59
94	Leptin, adiponectin, their ratio and risk of coronary heart disease: Results from the MONICA/KORA Augsburg Study 1984â€“2002. <i>Atherosclerosis</i> , 2010, 209, 220-225.	0.8	58
95	Association between social isolation and inflammatory markers in depressed and non-depressed individuals: Results from the MONICA/KORA study. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 1701-1707.	4.1	57
96	Vaspin (SERPINA12) Genotypes and Risk of Type 2 Diabetes: Results from the MONICA/KORA studies. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2010, 118, 184-189.	1.2	56
97	Proinflammatory Cytokines, Adiponectin, and Increased Risk of Primary Cardiovascular Events in Diabetic Patients With or Without Renal Dysfunction: Results from the ESTHER study. <i>Diabetes Care</i> , 2013, 36, 1703-1711.	8.6	56
98	Postchallenge Hyperglycemia Is Positively Associated With Diabetic Polyneuropathy. <i>Diabetes Care</i> , 2012, 35, 1891-1893.	8.6	55
99	MASP1, THBS1, GPLD1 and ApoA-IV are novel biomarkers associated with prediabetes: the KORA F4 study. <i>Diabetologia</i> , 2016, 59, 1882-1892.	6.3	54
100	A novel diabetes typology: towards precision diabetology from pathogenesis to treatment. <i>Diabetologia</i> , 2022, 65, 1770-1781.	6.3	54
101	Biomarkers of iron metabolism are independently associated with impaired glucose metabolism and type 2 diabetes: the KORA F4 study. <i>European Journal of Endocrinology</i> , 2015, 173, 643-653.	3.7	53
102	Macrophage migration inhibitory factor (MIF) and risk for coronary heart disease: Results from the MONICA/KORA Augsburg case-cohort study, 1984â€“2002. <i>Atherosclerosis</i> , 2008, 200, 380-388.	0.8	52
103	Sfrp5 correlates with insulin resistance and oxidative stress. <i>European Journal of Clinical Investigation</i> , 2013, 43, 350-357.	3.4	52
104	Biomarkers of subclinical inflammation and increases in glycaemia, insulin resistance and beta-cell function in non-diabetic individuals: the Whitehall II study. <i>European Journal of Endocrinology</i> , 2016, 175, 367-377.	3.7	52
105	Pathophysiological Characteristics Underlying Different Glucose Response Curves: A Latent Class Trajectory Analysis From the Prospective EGIR-RISC Study. <i>Diabetes Care</i> , 2018, 41, 1740-1748.	8.6	52
106	Inflammatory markers are associated with cardiac autonomic dysfunction in recent-onset type 2 diabetes. <i>Heart</i> , 2017, 103, 63-70.	2.9	51
107	Inverse associations between serum levels of secreted frizzled-related protein-5 (SFRP5) and multiple cardiometabolic risk factors: KORA F4 study. <i>Cardiovascular Diabetology</i> , 2017, 16, 109.	6.8	49
108	Monocyte Chemoattractant Protein-1 in Subcutaneous Abdominal Adipose Tissue: Characterization of Interstitial Concentration and Regulation of Gene Expression by Insulin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 2688-2695.	3.6	48

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109	Adiponectin Trajectories Before Type 2 Diabetes Diagnosis. <i>Diabetes Care</i> , 2012, 35, 2540-2547.	8.6	48
110	Dynamic changes of muscle insulin sensitivity after metabolic surgery. <i>Nature Communications</i> , 2019, 10, 4179.	12.8	47
111	Impaired glucose regulation and type 2 diabetes in children and adolescents. <i>Diabetes/Metabolism Research and Reviews</i> , 2008, 24, 427-437.	4.0	46
112	Inflammatory Adipokines, High Molecular Weight Adiponectin, and Insulin Resistance: A Population-Based Survey in Prepubertal Schoolchildren. <i>PLoS ONE</i> , 2011, 6, e17264.	2.5	46
113	Developmental trajectories of body mass index from childhood into late adolescence and subsequent late adolescenceâ€“young adulthood cardiometabolic risk markers. <i>Cardiovascular Diabetology</i> , 2019, 18, 9.	6.8	46
114	Immune-mediated Activation of the Endocannabinoid System in Visceral Adipose Tissue in Obesity. <i>Hormone and Metabolic Research</i> , 2007, 39, 596-600.	1.5	45
115	Association of the FTO gene variant (rs9939609) with cardiovascular disease in men with abnormal glucose metabolism â€“ The Finnish Diabetes Prevention Study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2011, 21, 691-698.	2.6	45
116	Type 2 Diabetes. <i>Deutsches A&#x0308;rztblatt International</i> , 2013, 110, 331-7.	0.9	45
117	Role of Patatin-Like Phospholipase Domainâ€“Containing 3 Gene for Hepatic Lipid Content and Insulin Resistance in Diabetes. <i>Diabetes Care</i> , 2020, 43, 2161-2168.	8.6	45
118	Hypoadiponectinemia and Proinflammatory State: Two Sides of the Same Coin?: Results From the Cooperative Health Research in the Region of Augsburg Survey 4 (KORA S4). <i>Diabetes Care</i> , 2006, 29, 1626-1631.	8.6	44
119	Constitutive and regulated expression and secretion of interferon- γ -inducible protein 10 (IP-10/CXCL10) in human adipocytes. <i>International Journal of Obesity</i> , 2007, 31, 403-410.	3.4	44
120	Anxiety Associated Increased CpG Methylation in the Promoter of <i>Asb1</i> : A Translational Approach Evidenced by Epidemiological and Clinical Studies and a Murine Model. <i>Neuropsychopharmacology</i> , 2018, 43, 342-353.	5.4	43
121	Prediabetes is associated with microalbuminuria, reduced kidney function and chronic kidney disease in the general population. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018, 28, 234-242.	2.6	42
122	Clinical Utility of Creatinine- and Cystatin Câ€“Based Definition of Renal Function for Risk Prediction of Primary Cardiovascular Events in Patients With Diabetes. <i>Diabetes Care</i> , 2012, 35, 879-886.	8.6	41
123	Adiponectin and Bariatric Surgery: Associations With Diabetes and Cardiovascular Disease in the Swedish Obese Subjects Study. <i>Diabetes Care</i> , 2014, 37, 1401-1409.	8.6	41
124	Inflammation in Metabolic Syndrome and Type 2 Diabetes: Impact of Dietary Glucose. <i>Annals of the New York Academy of Sciences</i> , 2006, 1084, 30-48.	3.8	40
125	Job strain associated CRP is mediated by leisure time physical activity: Results from the MONICA/KORA study. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 1077-1084.	4.1	40
126	Acute-Phase Serum Amyloid A Protein and Its Implication in the Development of Type 2 Diabetes in the KORA S4/F4 Study. <i>Diabetes Care</i> , 2013, 36, 1321-1326.	8.6	40

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127	Genetic Determinants of Circulating Interleukin-1 Receptor Antagonist Levels and Their Association With Glycemic Traits. <i>Diabetes</i> , 2014, 63, 4343-4359.	0.6	40
128	Extensive alterations of the whole-blood transcriptome are associated with body mass index: results of an mRNA profiling study involving two large population-based cohorts. <i>BMC Medical Genomics</i> , 2015, 8, 65.	1.5	40
129	The Role of Markers of Low-Grade Inflammation for the Early Time Course of Glycemic Control, Glucose Disappearance Rate, and β -Cell Function in Recently Diagnosed Type 1 and Type 2 Diabetes. <i>Diabetes Care</i> , 2015, 38, 1758-1767.	8.6	40
130	Longitudinal associations between ambient air pollution and insulin sensitivity: results from the KORA cohort study. <i>Lancet Planetary Health</i> , The, 2021, 5, e39-e49.	11.4	40
131	RANTES/CCL5 and Risk for Coronary Events: Results from the MONICA/KORA Augsburg Case-Cohort, Athero-Express and CARDIoGRAM Studies. <i>PLoS ONE</i> , 2011, 6, e25734.	2.5	40
132	The metabolic syndrome sensitizes leukocytes for glucose-induced immune gene expression. <i>Journal of Molecular Medicine</i> , 2007, 85, 389-396.	3.9	39
133	Metabolomic response to coffee consumption: application to a three-stage clinical trial. <i>Journal of Internal Medicine</i> , 2018, 283, 544-557.	6.0	39
134	Insulin resistance influences the association of adiponectin levels with diabetes incidence in two population-based cohorts: the Cooperative Health Research in the Region of Augsburg (KORA) S4/F4 study and the Framingham Offspring Study. <i>Diabetologia</i> , 2011, 54, 1019-1024.	6.3	38
135	Adiponectin, markers of subclinical inflammation and nerve conduction in individuals with recently diagnosed type 1 and type 2 diabetes. <i>European Journal of Endocrinology</i> , 2016, 174, 433-443.	3.7	38
136	Air pollution and diabetes-related biomarkers in non-diabetic adults: A pathway to impaired glucose metabolism?. <i>Environment International</i> , 2019, 124, 370-392.	10.0	38
137	Protein markers and risk of type 2 diabetes and prediabetes: a targeted proteomics approach in the KORA F4/FF4 study. <i>European Journal of Epidemiology</i> , 2019, 34, 409-422.	5.7	37
138	RANTES/CCL5 gene polymorphisms, serum concentrations, and incident type 2 diabetes: results from the MONICA/KORA Augsburg case-cohort study, 1984-2002. <i>European Journal of Endocrinology</i> , 2008, 158, R1-R5.	3.7	36
139	Differential Association Between Biomarkers of Subclinical Inflammation and Painful Polyneuropathy: Results From the KORA F4 Study. <i>Diabetes Care</i> , 2015, 38, 91-96.	8.6	36
140	Adiponectin, biomarkers of inflammation and changes in cardiac autonomic function: Whitehall II study. <i>Cardiovascular Diabetology</i> , 2017, 16, 153.	6.8	36
141	A Systemic Inflammatory Signature Reflecting Cross Talk Between Innate and Adaptive Immunity Is Associated With Incident Polyneuropathy: KORA F4/FF4 Study. <i>Diabetes</i> , 2018, 67, 2434-2442.	0.6	36
142	DNA methylation and lipid metabolism: an EWAS of 226 metabolic measures. <i>Clinical Epigenetics</i> , 2021, 13, 7.	4.1	36
143	Differences in Biomarkers of Inflammation Between Novel Subgroups of Recent-Onset Diabetes. <i>Diabetes</i> , 2021, 70, 1198-1208.	0.6	36
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184	Longitudinal associations between biomarkers of inflammation and changes in depressive symptoms in patients with type 1 and type 2 diabetes. <i>Psychoneuroendocrinology</i> , 2018, 91, 216-225.	2.7	22
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201	Dietary palmitate and oleate differently modulate insulin sensitivity in human skeletal muscle. <i>Diabetologia</i> , 2022, 65, 301-314.	6.3	17
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219	Sfrp5 increases glucose-stimulated insulin secretion in the rat pancreatic beta cell line INS-1E. <i>PLoS ONE</i> , 2019, 14, e0213650.	2.5	11
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226	Investigating the spill-over hypothesis: Analysis of the association between local inflammatory markers in sputum and systemic inflammatory mediators in plasma. <i>Environmental Research</i> , 2014, 134, 24-32.	7.5	10
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228	Age and time trends in eating frequency and duration of nightly fasting of German children and adolescents. <i>European Journal of Nutrition</i> , 2017, 56, 2507-2517.	3.9	10
229	Differential Patterns and Determinants of Cardiac Autonomic Nerve Dysfunction during Endotoxemia and Oral Fat Load in Humans. <i>PLoS ONE</i> , 2015, 10, e0124242.	2.5	10
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231	Relevance of Morning and Evening Energy and Macronutrient Intake during Childhood for Body Composition in Early Adolescence. <i>Nutrients</i> , 2016, 8, 716.	4.1	9
232	The Clinical Course of Patients with Preschool Manifestation of Type 1 Diabetes Is Independent of the HLA DR-DQ Genotype. <i>Genes</i> , 2017, 8, 146.	2.4	9
233	Associations of cardiac stress biomarkers with incident type 2 diabetes and changes in glucose metabolism: KORA F4/FF4 study. <i>Cardiovascular Diabetology</i> , 2020, 19, 178.	6.8	9
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239	Incidence Rates of Type 2 Diabetes in People With Impaired Fasting Glucose (ADA vs. WHO Criteria) and Impaired Glucose Tolerance: Results From an Older Population (KORA S4/F4/FF4 Study). <i>Diabetes Care</i> , 2019, 42, e18-e20.	8.6	8
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248	The Prospective Association of Dietary Sugar Intake in Adolescence With Risk Markers of Type 2 Diabetes in Young Adulthood. <i>Frontiers in Nutrition</i> , 2020, 7, 615684.	3.7	7
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251	Diagnostic Tools, Biomarkers, and Treatments in Diabetic polyneuropathy and Cardiovascular Autonomic Neuropathy. <i>Current Diabetes Reviews</i> , 2022, 18, .	1.3	6
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254	A healthy lifestyle during adolescence was inversely associated with fatty liver indices in early adulthood: findings from the DONALD cohort study. <i>British Journal of Nutrition</i> , 2023, 129, 513-522.	2.3	6
255	Chronic Inflammation Mediates the Association between Cortisol and Hyperglycemia: Findings from the Cross-Sectional Population-Based KORA Age Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2751.	2.4	5
256	Association of circulating MR-proADM with all-cause and cardiovascular mortality in the general population: Results from the KORA F4 cohort study. <i>PLoS ONE</i> , 2022, 17, e0262330.	2.5	5
257	Association of renin and aldosterone with glucose metabolism in a Western European population: the KORA F4/FF4 study. <i>BMJ Open Diabetes Research and Care</i> , 2022, 10, e002558.	2.8	5
258	The CB-1 Receptor Antagonist Rimonabant Modulates the Interaction Between Adipocytes and Pancreatic Beta-Cells in Vitro. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2011, 119, 41-46.	1.2	4
259	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, e001698.	2.8	4
260	Air Pollution, Subclinical Inflammation and the Risk of Type 2 Diabetes. , 2016, , 243-271.		3
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263	Association of persistent organic pollutants with sensorimotor neuropathy in participants with and without diabetes or prediabetes: Results from the population-based KORA FF4 study. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 235, 113752.	4.3	2
264	Association of serum uromodulin with adipokines in dependence of type 2 diabetes. <i>Cytokine</i> , 2022, 150, 155786.	3.2	2
265	Effect of obesity on the associations of 25-hydroxyvitamin D with prevalent and incident distal sensorimotor polyneuropathy: population-based KORA F4/FF4 study. <i>International Journal of Obesity</i> , 2022, 46, 1366-1374.	3.4	2
266	Research update for articles published in <sc>EJCI</sc> in 2013. <i>European Journal of Clinical Investigation</i> , 2015, 45, 1005-1016.	3.4	1
267	IFN β link between infections and cardiometabolic risk?. <i>Nature Reviews Endocrinology</i> , 2018, 14, 567-568.	9.6	1
268	Association of C-Terminal Pro-Endothelin-1 with Mortality in the Population-Based KORA F4 Study. <i>Vascular Health and Risk Management</i> , 2022, Volume 18, 335-346.	2.3	1
269	Associations of the vasoactive peptides CT-proET-1 and MR-proADM with incident type 2 diabetes: results from the BiomarCaRE Consortium. <i>Cardiovascular Diabetology</i> , 2022, 21, .	6.8	1
270	Time and age trends in morning and evening protein intakes of German children and adolescents. <i>Journal of Nutritional Science</i> , 2018, 7, e9.	1.9	0

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272	Early life factors and their relevance for markers of cardiometabolic risk in early adulthood. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 2109-2121.	2.6	0