Cornelia Huth

List of Publications by Year
in descending order

104	7,922	66315	53190
papers	citations	42 h-index	85 g-index

109	109	109	16219
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Twelve type 2 diabetes susceptibility loci identified through large-scale association analysis. Nature Genetics, 2010, 42, 579-589.	9.4	1,631
2	The genetic architecture of type 2 diabetes. Nature, 2016, 536, 41-47.	13.7	952
3	Novel biomarkers for preâ€diabetes identified by metabolomics. Molecular Systems Biology, 2012, 8, 615.	3.2	605
4	Novel Loci for Adiponectin Levels and Their Influence on Type 2 Diabetes and Metabolic Traits: A Multi-Ethnic Meta-Analysis of 45,891 Individuals. PLoS Genetics, 2012, 8, e1002607.	1.5	419
5	KLB is associated with alcohol drinking, and its gene product Î²-Klotho is necessary for FGF21 regulation of alcohol preference. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14372-14377.	3.3	208
6	A Genome-Wide Association Search for Type 2 Diabetes Genes in African Americans. PLoS ONE, 2012, 7, e29202.	1.1	197
7	Genome-wide physical activity interactions in adiposity â€• A meta-analysis of 200,452 adults. PLoS Genetics, 2017, 13, e1006528.	1.5	158
8	Rare variants in PPARG with decreased activity in adipocyte differentiation are associated with increased risk of type 2 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13127-13132.	3.3	152
9	Common Variants in Myocardial Ion Channel Genes Modify the QT Interval in the General Population. Circulation Research, 2005, 96, 693-701.	2.0	138
10	Leveraging Cross-Species Transcription Factor Binding Site Patterns: From Diabetes Risk Loci to Disease Mechanisms. Cell, 2014, 156, 343-358.	13.5	113
11	Visceral adiposity index (VAI), lipid accumulation product (LAP), and product of triglycerides and glucose (TyG) to discriminate prediabetes and diabetes. Scientific Reports, 2019, 9, 9693.	1.6	101
12	Multiplatform Approach for Plasma Proteomics: Complementarity of Olink Proximity Extension Assay Technology to Mass Spectrometry-Based Protein Profiling. Journal of Proteome Research, 2021, 20, 751-762.	1.8	100
13	IL6 Gene Promoter Polymorphisms and Type 2 Diabetes: Joint Analysis of Individual Participants' Data From 21 Studies. Diabetes, 2006, 55, 2915-2921.	0.3	99
14	Age at Menarche and Its Association with the Metabolic Syndrome and Its Components: Results from the KORA F4 Study. PLoS ONE, 2011, 6, e26076.	1.1	99
15	1000 Genomes-based meta-analysis identifies 10 novel loci for kidney function. Scientific Reports, 2017, 7, 45040.	1.6	98
16	Proinflammatory Cytokines Predict the Incidence and Progression of Distal Sensorimotor Polyneuropathy: KORA F4/FF4 Study. Diabetes Care, 2017, 40, 569-576.	4.3	88
17	Circulating Levels of Interleukin 1-Receptor Antagonist and Risk of Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1222-1227.	1.1	81
18	Relationship between posttraumatic stress disorder and Type 2 Diabetes in a population-based cross-sectional study with 2970 participants. Journal of Psychosomatic Research, 2013, 74, 340-345.	1.2	79

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19	Age at menarche is associated with prediabetes and diabetes in women (aged 32â€“81Âyears) from the general population: the KORA F4 Study. Diabetologia, 2012, 55, 681-688.	2.9	78
20	Effect of Serum 25-Hydroxyvitamin D on Risk for Type 2 Diabetes May Be Partially Mediated by Subclinical Inflammation. Diabetes Care, 2011, 34, 2320-2322.	4.3	77
21	Skin barrier abnormality caused by filaggrin (FLG) mutations is associated with increased serum 25-hydroxyvitamin D concentrations. Journal of Allergy and Clinical Immunology, 2012, 130, 1204-1207.e2.	1.5	76
22	Variants of thePPARG,IGF2BP2,CDKAL1,HHEX, andTCF7L2Genes Confer Risk of Type 2 Diabetes Independently of BMI in the German KORA Studies. Hormone and Metabolic Research, 2008, 40, 722-726.	0.7	71
23	Association of iron indices and type 2 diabetes: a metaâ€analysis of observational studies. Diabetes/Metabolism Research and Reviews, 2014, 30, 372-394.	1.7	67
24	APOA5 variants and metabolic syndrome in Caucasians. Journal of Lipid Research, 2007, 48, 2614-2621.	2.0	66
25	Variants of the Transcription Factor 7-Like 2 Gene (TCF7L2) are Strongly Associated with Type 2 Diabetes but not with the Metabolic Syndrome in the MONICA/KORA Surveys. Hormone and Metabolic Research, 2007, 39, 46-52.	0.7	64
26	Retinol-Binding Protein 4 Is Associated With Prediabetes in Adults From the General Population. Diabetes Care, 2011, 34, 1648-1650.	4.3	64
27	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. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 272-280.	1.8	64
28	Perceived risk of diabetes seriously underestimates actual diabetes risk: The KORA FF4 study. PLoS ONE, 2017, 12, e0171152.	1.1	64
29	General and Abdominal Obesity and Incident Distal Sensorimotor Polyneuropathy: Insights Into Inflammatory Biomarkers as Potential Mediators in the KORA F4/FF4 Cohort. Diabetes Care, 2019, 42, 240-247.	4.3	64
30	Meta-Analysis of the INSIG2 Association with Obesity Including 74,345 Individuals: Does Heterogeneity of Estimates Relate to Study Design?. PLoS Genetics, 2009, 5, e1000694.	1.5	62
31	Plasma Concentrations of Afamin Are Associated With the Prevalence and Development of Metabolic Syndrome. Circulation: Cardiovascular Genetics, 2014, 7, 822-829.	5.1	62
32	Adiponectin may mediate the association between omentin, circulating lipids and insulin sensitivity: results from the KORA F4 study. European Journal of Endocrinology, 2015, 172, 423-432.	1.9	62
33	Plasma Concentrations of Afamin Are Associated With Prevalent and Incident Type 2 Diabetes: A Pooled Analysis in More Than 20,000 Individuals. Diabetes Care, 2017, 40, 1386-1393.	4.3	59
34	Association of the MC4R V103I Polymorphism With the Metabolic Syndrome: The KORA Study. Obesity, 2008, 16, 369-376.	1.5	54
35	MASP1, THBS1, GPLD1 and ApoA-IV are novel biomarkers associated with prediabetes: the KORA F4 study. Diabetologia, 2016, 59, 1882-1892.	2.9	54
36	Biomarkers of iron metabolism are independently associated with impaired glucose metabolism and type 2 diabetes: the KORA F4 study. European Journal of Endocrinology, 2015, 173, 643-653.	1.9	53

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37	Persistent organic pollutants and the incidence of type 2 diabetes in the CARLA and KORA cohort studies. Environment International, 2019, 129, 221-228.	4.8	52
38	Joint analysis of individual participantsâ€™ data from 17 studies on the association of theIL6variant -174G>C with circulating glucose levels, interleukin-6 levels, and body mass index. Annals of Medicine, 2009, 41, 128-138.	1.5	51
39	Genes and lifestyle factors in obesity: results from 12â€‰462 subjects from MONICA/KORA. International Journal of Obesity, 2010, 34, 1538-1545.	1.6	50
40	Job Strain as a Risk Factor for the Onset of Type 2 Diabetes Mellitus. Psychosomatic Medicine, 2014, 76, 562-568.	1.3	49
41	Inverse associations between serum levels of secreted frizzled-related protein-5 (SFRP5) and multiple cardiometabolic risk factors: KORA F4 study. Cardiovascular Diabetology, 2017, 16, 109.	2.7	49
42	Hemoglobin A1c and glucose criteria identify different subjects as having type 2 diabetes in middle-aged and older populations: The KORA S4/F4 Study. Annals of Medicine, 2012, 44, 170-177.	1.5	47
43	Quality of Diabetes Care in Germany Improved from 2000 to 2007 to 2014, but Improvements Diminished since 2007. Evidence from the Population-Based KORA Studies. PLoS ONE, 2016, 11, e0164704.	1.1	46
44	Prediabetes is associated with microalbuminuria, reduced kidney function and chronic kidney disease in the general population. Nutrition, Metabolism and Cardiovascular Diseases, 2018, 28, 234-242.	1.1	42
45	Categories of glucose tolerance and continuous glycemic measures and mortality. European Journal of Epidemiology, 2011, 26, 637-645.	2.5	41
46	Acute-Phase Serum Amyloid A Protein and Its Implication in the Development of Type 2 Diabetes in the KORA S4/F4 Study. Diabetes Care, 2013, 36, 1321-1326.	4.3	40
47	Longitudinal associations between ambient air pollution and insulin sensitivity: results from the KORA cohort study. Lancet Planetary Health, The, 2021, 5, e39-e49.	5.1	40
48	Association of low 25-hydroxyvitamin D levels with the frailty syndrome in an aged population: Results from the KORA-Age Augsburg study. Journal of Nutrition, Health and Aging, 2015, 19, 258-264.	1.5	37
49	Protein markers and risk of type 2 diabetes and prediabetes: a targeted proteomics approach in the KORA F4/FF4 study. European Journal of Epidemiology, 2019, 34, 409-422.	2.5	37
50	A Systemic Inflammatory Signature Reflecting Cross Talk Between Innate and Adaptive Immunity Is Associated With Incident Polyneuropathy: KORA F4/FF4 Study. Diabetes, 2018, 67, 2434-2442.	0.3	36
51	The use of dietary supplements among older persons in Southern Germany â€" Results from the KORA-age study. Journal of Nutrition, Health and Aging, 2014, 18, 510-519.	1.5	34
52	Association of subclinical inflammation with deterioration of glycaemia before the diagnosis of type 2 diabetes: the KORA S4/F4 study. Diabetologia, 2015, 58, 2269-2277.	2.9	34
53	Deciphering the Plasma Proteome of Type 2 Diabetes. Diabetes, 2020, 69, 2766-2778.	0.3	34
54	Machine Learning Approaches Reveal Metabolic Signatures of Incident Chronic Kidney Disease in Individuals With Prediabetes and Type 2 Diabetes. Diabetes, 2020, 69, 2756-2765.	0.3	33

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55	Long-term exposure to air pollution, road traffic noise, residential greenness, and prevalent and incident metabolic syndrome: Results from the population-based KORA F4/FF4 cohort in Augsburg, Germany. Environment International, 2021, 147, 106364.	4.8	32
56	Calpain-10 variants and haplotypes are associated with polycystic ovary syndrome in Caucasians. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E836-E844.	1.8	31
57	Sequence data and association statistics from 12,940 type 2 diabetes cases and controls. Scientific Data, 2017, 4, 170179.	2.4	31
58	Genetic variation in the vaspin gene affects circulating serum vaspin concentrations. International Journal of Obesity, 2013, 37, 861-866.	1.6	28
59	Simulation of Finnish Population History, Guided by Empirical Genetic Data, to Assess Power of Rare-Variant Tests in Finland. American Journal of Human Genetics, 2014, 94, 710-720.	2.6	24
60	Serum potassium is associated with prediabetes and newly diagnosed diabetes in hypertensive adults from the general population: The KORA F4-Study. Diabetologia, 2013, 56, 484-491.	2.9	23
61	Independent and opposite associations of serum levels of omentin-1 and adiponectin with increases of glycaemia and incident type 2 diabetes in an older population: KORA F4/FF4 study. European Journal of Endocrinology, 2017, 177, 277-286.	1.9	23
62	IL-6 promoter polymorphisms and quantitative traits related to the metabolic syndrome in KORA S4. Experimental Gerontology, 2006, 41, 737-745.	1.2	22
63	Plasma Metabolomics Reveal Alterations of Sphingo- and Glycerophospholipid Levels in Non-Diabetic Carriers of the Transcription Factor 7-Like 2 Polymorphism rs7903146. PLoS ONE, 2013, 8, e78430.	1.1	21
64	Serum levels of interleukin-22, cardiometabolic risk factors and incident type 2 diabetes: KORA F4/FF4 study. Cardiovascular Diabetology, 2017, 16, 17.	2.7	20
65	Metabolic syndrome and the plasma proteome: from association to causation. Cardiovascular Diabetology, 2021, 20, 111.	2.7	19
66	Influence of external, intrinsic and individual behaviour variables on serum 25(OH)D in a German survey. Journal of Photochemistry and Photobiology B: Biology, 2014, 140, 120-129.	1.7	18
67	Association between apolipoprotein Aâ€<scp>IV</scp> concentrations and chronic kidney disease in two large populationâ€based cohorts: results from the KORA studies. Journal of Internal Medicine, 2015, 278, 410-423.	2.7	18
68	Myeloperoxidase, superoxide dismutaseâ€3, cardiometabolic risk factors, and distal sensorimotor polyneuropathy: The KORA F4/FF4 study. Diabetes/Metabolism Research and Reviews, 2018, 34, e3000.	1.7	18
69	Association of glycemic status and segmental left ventricular wall thickness in subjects without prior cardiovascular disease: a cross-sectional study. BMC Cardiovascular Disorders, 2018, 18, 162.	0.7	18
70	Biomarker-defined pathways for incident type 2 diabetes and coronary heart diseaseâ€"a comparison in the MONICA/KORA study. Cardiovascular Diabetology, 2020, 19, 32.	2.7	18
71	Estimating the Single Nucleotide Polymorphism Genotype Misclassification From Routine Double Measurements in a Large Epidemiologic Sample. American Journal of Epidemiology, 2008, 168, 878-889.	1.6	17
72	Associations between calcium and vitamin D supplement use as well as their serum concentrations and subclinical cardiovascular disease phenotypes. Atherosclerosis, 2015, 241, 743-751.	0.4	17

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73	Association of fetuin-A with incident type 2 diabetes: results from the MONICA/KORA Augsburg study and a systematic meta-analysis. European Journal of Endocrinology, 2018, 178, 389-398.	1.9	17
74	Comparative analysis of plasma metabolomics response to metabolic challenge tests in healthy subjects and influence of the FTO obesity risk allele. Metabolomics, 2014, 10, 386-401.	1.4	16
75	Individuals With Very Low Alcohol Consumption: A Heterogeneous Group. Journal of Studies on Alcohol and Drugs, 2007, 68, 6-10.	0.6	14
76	Gene variants of monocyte chemoattractant protein 1 and components of metabolic syndrome in KORA S4, Augsburg. European Journal of Endocrinology, 2007, 156, 377-385.	1.9	13
77	Drug Costs in Prediabetes and Undetected Diabetes Compared With Diagnosed Diabetes and Normal Glucose Tolerance: Results From the Population-Based KORA Survey in Germany. Diabetes Care, 2013, 36, e53-e54.	4.3	13
78	Modifying effect of metabotype on dietâ€“diabetes associations. European Journal of Nutrition, 2020, 59, 1357-1369.	1.8	13
79	Association of Dietary Patterns and Type-2 Diabetes Mellitus in Metabolically Homogeneous Subgroups in the KORA FF4 Study. Nutrients, 2020, 12, 1684.	1.7	13
80	Association of Long-Term Air Pollution with Prevalence and Incidence of Distal Sensorimotor Polyneuropathy: KORA F4/FF4 Study. Environmental Health Perspectives, 2020, 128, 127013.	2.8	13
81	What is the impact of different spirometric criteria on the prevalence of spirometrically defined COPD and its comorbidities? Results from the population-based KORA study. International Journal of COPD, 2016, Volume 11, 1881-1894.	0.9	12
82	The Association between Serum 25-Hydroxyvitamin D and Cancer Risk: Results from the Prospective KORA F4 Study. Oncology Research and Treatment, 2018, 41, 117-121.	0.8	11
83	Proinsulin to insulin ratio is associated with incident type 2 diabetes but not with vascular complications in the KORA F4/FF4 study. BMJ Open Diabetes Research and Care, 2020, 8, e001425.	1.2	11
84	A Panel of 6 Biomarkers Significantly Improves the Prediction of Type 2 Diabetes in the MONICA/KORA Study Population. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 1647-1659.	1.8	11
85	Ultra-sensitive troponin I is an independent predictor of incident coronary heart disease in the general population. European Journal of Epidemiology, 2017, 32, 583-591.	2.5	10
86	Validation of Candidate Phospholipid Biomarkers of Chronic Kidney Disease in Hyperglycemic Individuals and Their Organ-Specific Exploration in Leptin Receptor-Deficient db/db Mouse. Metabolites, 2021, 11, 89.	1.3	10
87	Serum uromodulin is inversely associated with the metabolic syndrome in the KORA F4 study. Endocrine Connections, 2019, 8, 1363-1371.	0.8	10
88	Serum uromodulin is inversely associated with biomarkers of subclinical inflammation in the population-based KORA F4 study. CKJ: Clinical Kidney Journal, 2021, 14, 1618-1625.	1.4	9
89	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). Diabetes Care, 2019, 42, e18-e20.	4.3	8
90	Reversion from prediabetes to normoglycaemia after weight change in older persons: The KORA F4/FF4 study. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 429-438.	1.1	8

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91	Novel biomarkers of inflammation, kidney function and chronic kidney disease in the general population. Nephrology Dialysis Transplantation, 2022, 37, 1916-1926.	0.4	8
92	Association of changes in inflammation with variation in glycaemia, insulin resistance and secretion based on the <scp>KORA study</scp>. Diabetes/Metabolism Research and Reviews, 2018, 34, e3063.	1.7	7
93	Association of endothelial dysfunction with incident prediabetes, type 2 diabetes and related traits: the KORA F4/FF4 study. BMJ Open Diabetes Research and Care, 2020, 8, e001321.	1.2	6
94	Comparison of genetic risk prediction models to improve prediction of coronary heart disease in two large cohorts of the MONICA/KORA study. Genetic Epidemiology, 2021, 45, 633-650.	0.6	6
95	Patient time costs attributable to healthcare use in diabetes: results from the populationâ€based <scp>KORA</scp> survey in Germany. Diabetic Medicine, 2013, 30, 1245-1249.	1.2	5
96	Are diabetes risk scores useful for the prediction of cardiovascular diseases? Assessment of seven diabetes risk scores in the KORA S4/F4 cohort study. Journal of Diabetes and Its Complications, 2013, 27, 340-345.	1.2	4
97	Intake of Vitamin and Mineral Supplements and Longitudinal Association with HbA1c Levels in the General Non-Diabetic Populationâ€"Results from the MONICA/KORA S3/F3 Study. PLoS ONE, 2015, 10, e0139244.	1.1	4
98	Influence of geographical latitude on vitamin D status: cross-sectional results from the BiomarCaRE consortium. British Journal of Nutrition, 2022, 128, 2208-2218.	1.2	4
99	Genetic variants in the leukemia-associated Rho guanine nucleotide exchange factor (ARHGEF12) gene are not associated with T2DM and related parameters in Caucasians (KORA study). European Journal of Endocrinology, 2007, 157, R1-R5.	1.9	3
100	Medication Costs by Glucose Tolerance Stage in Younger and Older Women and Men: Results from the Population-based KORA Survey in Germany. Experimental and Clinical Endocrinology and Diabetes, 2013, 121, 614-623.	0.6	3
101	Genome-Wide Association Study to Identify Common Variants Associated with Brachial Circumference: A Meta-Analysis of 14 Cohorts. PLoS ONE, 2012, 7, e31369.	1.1	3
102	Effect of obesity on the associations of 25-hydroxyvitamin D with prevalent and incident distal sensorimotor polyneuropathy: population-based KORA F4/FF4 study. International Journal of Obesity, 2022, 46, 1366-1374.	1.6	2
103	Abstract 21: Deciphering the Plasma Proteome of Type 2 Diabetes. Circulation, 2020, 141, .	1.6	1
104	Associations between haemoglobin A_{1c} and mortality rate in the KORA S4 and the Heinz Nixdorf Recall populationâ€based cohort studies. Diabetes/Metabolism Research and Reviews, 2021, 37, e3369.	1.7	0