

# Leen M 't Hart

## List of Publications by Year in descending order

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114  
papers

5,487  
citations

116194

36  
h-index

111975

67  
g-index

121  
all docs

121  
docs citations

121  
times ranked

10221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Response to Comment on Dawed et al. Genome-Wide Meta-analysis Identifies Genetic Variants Associated With Glycemic Response to Sulfonylureas. <i>Diabetes Care</i> 2021;44:2673-2682. <i>Diabetes Care</i> , 2022, 45, e82-e83.	4.3	0
2	Diabetes risk loci-associated pathways are shared across metabolic tissues. <i>BMC Genomics</i> , 2022, 23, 368.	1.2	0
3	Clinical profiles of postload glucose subgroups and their association with glycaemic traits over time: An IMI-DIRECT study. <i>Diabetic Medicine</i> , 2021, 38, e14428.	1.2	2
4	Discovery of predictors of sudden cardiac arrest in diabetes: rationale and outline of the RESCUED (REcognition of Sudden Cardiac arrest vUlnerability in Diabetes) project. <i>Open Heart</i> , 2021, 8, e001554.	0.9	5
5	Performance of Risk Assessment Models for Prevalent or Undiagnosed Type 2 Diabetes Mellitus in a Multi-Ethnic Population—The Helius Study. <i>Global Heart</i> , 2021, 16, 13.	0.9	2
6	Replication and cross-validation of type 2 diabetes subtypes based on clinical variables: an IMI-RHAPSODY study. <i>Diabetologia</i> , 2021, 64, 1982-1989.	2.9	44
7	Long RNA Sequencing and Ribosome Profiling of Inflamed $\beta$ -Cells Reveal an Extensive Translatome Landscape. <i>Diabetes</i> , 2021, 70, 2299-2312.	0.3	10
8	Profiles of Glucose Metabolism in Different Prediabetes Phenotypes, Classified by Fasting Glycemia, 2-Hour OGTT, Glycated Hemoglobin, and 1-Hour OGTT: An IMI DIRECT Study. <i>Diabetes</i> , 2021, 70, 2092-2106.	0.3	17
9	Distinct Molecular Signatures of Clinical Clusters in People With Type 2 Diabetes: An IMI-RHAPSODY Study. <i>Diabetes</i> , 2021, 70, 2683-2693.	0.3	26
10	Performance of prediction models for nephropathy in people with type 2 diabetes: systematic review and external validation study. <i>BMJ</i> , The, 2021, 374, n2134.	3.0	24
11	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. <i>Diabetes Care</i> , 2021, 44, 511-518.	4.3	16
12	Plasma protein N-glycosylation is associated with cardiovascular disease, nephropathy, and retinopathy in type 2 diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e002345.	1.2	14
13	Genome-Wide Meta-analysis Identifies Genetic Variants Associated With Glycemic Response to Sulfonylureas. <i>Diabetes Care</i> , 2021, 44, 2673-2682.	4.3	23
14	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , 2021, 600, 675-679.	13.7	353
15	NACHO: an R package for quality control of NanoString nCounter data. <i>Bioinformatics</i> , 2020, 36, 970-971.	1.8	13
16	Heritability estimates for 361 blood metabolites across 40 genome-wide association studies. <i>Nature Communications</i> , 2020, 11, 39.	5.8	64
17	Genetics and Not Shared Environment Explains Familial Resemblance in Adult Metabolomics Data. <i>Twin Research and Human Genetics</i> , 2020, 23, 145-155.	0.3	6
18	CONQUER: an interactive toolbox to understand functional consequences of GWAS hits. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqaa085.	1.5	3

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19	Metabolic Age Based on the BBMRI-NL <sup>1</sup> H-NMR Metabolomics Repository as Biomarker of Age-related Disease. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, 541-547.	1.6	50
20	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. <i>PLoS Medicine</i> , 2020, 17, e1003149.	3.9	47
21	Metformin and statin use associate with plasma protein <i>N</i> -glycosylation in people with type 2 diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001230.	1.2	8
22	Integration of epidemiologic, pharmacologic, genetic and gut microbiome data in a drugâ€“metabolite atlas. <i>Nature Medicine</i> , 2020, 26, 110-117.	15.2	54
23	The endothelial function biomarker soluble Eâ€“selectin is associated with nonalcoholic fatty liver disease. <i>Liver International</i> , 2020, 40, 1079-1088.	1.9	17
24	Plasma Metabolomics Identifies Markers of Impaired Renal Function: A Meta-analysis of 3089 Persons with Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2275-2287.	1.8	24
25	Post-load glucose subgroups and associated metabolic traits in individuals with type 2 diabetes: An IMI-DIRECT study. <i>PLoS ONE</i> , 2020, 15, e0242360.	1.1	7
26	Title is missing!. , 2020, 17, e1003149.		0
27	Title is missing!. , 2020, 17, e1003149.		0
28	Title is missing!. , 2020, 17, e1003149.		0
29	Title is missing!. , 2020, 17, e1003149.		0
30	Title is missing!. , 2020, 17, e1003149.		0
31	Variation in the Plasma Membrane Monoamine Transporter (PMAT) (Encoded by <i>SLC29A4</i> ) and Organic Cation Transporter 1 (OCT1) (Encoded by <i>SLC22A1</i> ) and Gastrointestinal Intolerance to Metformin in Type 2 Diabetes: An IMI DIRECT Study. <i>Diabetes Care</i> , 2019, 42, 1027-1033.	4.3	43
32	Visit-to-visit variability of glycemia and vascular complications: the Hoorn Diabetes Care System cohort. <i>Cardiovascular Diabetology</i> , 2019, 18, 170.	2.7	23
33	A Type 1 Diabetes Genetic Risk Score Can Identify Patients With GAD65 Autoantibodyâ€“Positive Type 2 Diabetes Who Rapidly Progress to Insulin Therapy. <i>Diabetes Care</i> , 2019, 42, 208-214.	4.3	35
34	Cohort Profile: The Hoorn Studies. <i>International Journal of Epidemiology</i> , 2018, 47, 396-396j.	0.9	24
35	Metabolite ratios as potential biomarkers for type 2 diabetes: a DIRECT study. <i>Diabetologia</i> , 2018, 61, 117-129.	2.9	32
36	HbA1c is associated with altered expression in blood of cell cycle- and immune response-related genes. <i>Diabetologia</i> , 2018, 61, 138-146.	2.9	10

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37	Blood Metabolomic Measures Associate With Present and Future Glycemic Control in Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 4569-4579.	1.8	25
38	A SNP panel for identification of DNA and RNA specimens. <i>BMC Genomics</i> , 2018, 19, 90.	1.2	47
39	Integrative network analysis highlights biological processes underlying GLP-1 stimulated insulin secretion: A DIRECT study. <i>PLoS ONE</i> , 2018, 13, e0189886.	1.1	9
40	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , 2017, 542, 186-190.	13.7	544
41	A Genome-Wide Association Study of IVGTT-Based Measures of First-Phase Insulin Secretion Refines the Underlying Physiology of Type 2 Diabetes Variants. <i>Diabetes</i> , 2017, 66, 2296-2309.	0.3	102
42	The Hoorn Diabetes Care System (DCS) cohort. A prospective cohort of persons with type 2 diabetes treated in primary care in the Netherlands. <i>BMJ Open</i> , 2017, 7, e015599.	0.8	58
43	<i>Bcl</i> Glucocorticoid Receptor Polymorphism in Relation to Arterial Stiffening and Cardiac Structure and Function: The Hoorn and CODAM Studies. <i>American Journal of Hypertension</i> , 2017, 30, 286-294.	1.0	2
44	Variants in Pharmacokinetic Transporters and Glycemic Response to Metformin: A Metgen Meta-Analysis. <i>Clinical Pharmacology and Therapeutics</i> , 2017, 101, 763-772.	2.3	79
45	A Common Gene Variant in Glucokinase Regulatory Protein Interacts With Glucose Metabolism on Diabetic Dyslipidemia: the Combined CODAM and Hoorn Studies. <i>Diabetes Care</i> , 2016, 39, 1811-1817.	4.3	21
46	Variation in the glucose transporter gene SLC2A2 is associated with glycemic response to metformin. <i>Nature Genetics</i> , 2016, 48, 1055-1059.	9.4	165
47	<i>Bcl</i> glucocorticoid receptor polymorphism in relation to cardiovascular variables: the Hoorn and CODAM studies. <i>European Journal of Endocrinology</i> , 2015, 173, 455-464.	1.9	15
48	Low mitochondrial DNA content associates with familial longevity: the Leiden Longevity Study. <i>Age</i> , 2014, 36, 9629.	3.0	28
49	<i>SULF2</i> strongly predisposes to fasting and postprandial triglycerides in patients with obesity and type 2 diabetes mellitus. <i>Obesity</i> , 2014, 22, 1309-1316.	1.5	33
50	Sex-specific effects of naturally occurring variants in the dopamine receptor D2 locus on insulin secretion and Type 2 diabetes susceptibility. <i>Diabetic Medicine</i> , 2014, 31, 1001-1008.	1.2	12
51	Exome sequencing-driven discovery of coding polymorphisms associated with common metabolic phenotypes. <i>Diabetologia</i> , 2013, 56, 298-310.	2.9	119
52	The Role of Pharmacogenetics in Drug Disposition and Response of Oral Glucose-Lowering Drugs. <i>Clinical Pharmacokinetics</i> , 2013, 52, 833-854.	1.6	27
53	Preserved GLP-1 and exaggerated GIP secretion in type 2 diabetes and relationships with triglycerides and ALT. <i>European Journal of Endocrinology</i> , 2013, 169, 421-430.	1.9	52
54	Effects of induced hyperinsulinaemia with and without hyperglycaemia on measures of cardiac vagal control. <i>Diabetologia</i> , 2013, 56, 1436-1443.	2.9	25

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55	The <i>CTRB1/2</i> Locus Affects Diabetes Susceptibility and Treatment via the Incretin Pathway. <i>Diabetes</i> , 2013, 62, 3275-3281.	0.3	96
56	<i>Bcl6</i> Glucocorticoid Receptor Polymorphism Is Associated With Greater Body Fatness: The Hoorn and CODAM Studies. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E595-E599.	1.8	31
57	A gene variant near ATM is significantly associated with metformin treatment response in type 2 diabetes: a replication and meta-analysis of five cohorts. <i>Diabetologia</i> , 2012, 55, 1971-1977.	2.9	107
58	Glucocorticoid receptor gene polymorphisms are associated with reduced first-phase glucose-stimulated insulin secretion and disposition index in women, but not in men. <i>Diabetic Medicine</i> , 2012, 29, e211-6.	1.2	15
59	Common Variants in the Type 2 Diabetes <i>KCNQ1</i> Gene Are Associated with Impairments in Insulin Secretion During Hyperglycaemic Glucose Clamp. <i>PLoS ONE</i> , 2012, 7, e32148.	1.1	37
60	The heritability of beta cell function parameters in a mixed meal test design. <i>Diabetologia</i> , 2011, 54, 1043-1051.	2.9	11
61	PS5 - 25. Pharmacogenetics in type 2 diabetes: Genetic variation influences metformin treatment response. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2011, 9, 107-108.	0.0	0
62	Combined Gene and Protein Expression of Hormone-Sensitive Lipase and Adipose Triglyceride Lipase, Mitochondrial Content, and Adipocyte Size in Subcutaneous and Visceral Adipose Tissue of Morbidly Obese Men. <i>Obesity Facts</i> , 2011, 4, 407-416.	1.6	29
63	The association between the $\gamma$ 374T/A polymorphism of the receptor for advanced glycation endproducts gene and blood pressure and arterial stiffness is modified by glucose metabolism status: the Hoorn and CoDAM studies. <i>Journal of Hypertension</i> , 2010, 28, 285-293.	0.3	21
64	Genetic association analysis of <i>LARS2</i> with type 2 diabetes. <i>Diabetologia</i> , 2010, 53, 103-110.	2.9	10
65	Sex Steroids Affect Triglyceride Handling, Glucose-Dependent Insulinotropic Polypeptide, and Insulin Sensitivity. <i>Diabetes Care</i> , 2010, 33, 1831-1833.	4.3	31
66	Gene Variants in the Novel Type 2 Diabetes Loci <i>CDC123/CAMK1D</i> , <i>THADA</i> , <i>ADAMTS9</i> , <i>BCL11A</i> , and <i>MTNR1B</i> Affect Different Aspects of Pancreatic $\beta$ -Cell Function. <i>Diabetes</i> , 2010, 59, 293-301.	0.3	125
67	Combined Risk Allele Score of Eight Type 2 Diabetes Genes Is Associated With Reduced First-Phase Glucose-Stimulated Insulin Secretion During Hyperglycemic Clamps. <i>Diabetes</i> , 2010, 59, 287-292.	0.3	51
68	The Association of Mitochondrial Content with Prevalent and Incident Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 1909-1915.	1.8	21
69	The Impact of Genetic Variation in the <i>G6PC2</i> Gene on Insulin Secretion Depends on Glycemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, E479-E484.	1.8	22
70	Association of Polymorphism in the Receptor for Advanced Glycation End Products ( <i>RAGE</i> ) Gene with Circulating <i>RAGE</i> Levels. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 5174-5180.	1.8	86
71	Combined effects of single-nucleotide polymorphisms in <i>GCK</i> , <i>GCKR</i> , <i>G6PC2</i> and <i>MTNR1B</i> on fasting plasma glucose and type 2 diabetes risk. <i>Diabetologia</i> , 2009, 52, 1866-1870.	2.9	71
72	Genetic influences on the insulin response of the beta cell to different secretagogues. <i>Diabetologia</i> , 2009, 52, 2570-2577.	2.9	31

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73	Neuropeptide Y polymorphism significantly magnifies diabetes and cardiovascular disease risk in obesity: the Hoorn Study. <i>European Journal of Clinical Nutrition</i> , 2009, 63, 150-152.	1.3	33
74	Genetic association analysis of 13 nuclear-encoded mitochondrial candidate genes with type II diabetes mellitus: the DAMAGE study. <i>European Journal of Human Genetics</i> , 2009, 17, 1056-1062.	1.4	14
75	Variants of CDKAL1 and IGF2BP2 affect first-phase insulin secretion during hyperglycaemic clamps. <i>Diabetologia</i> , 2008, 51, 1659-1663.	2.9	116
76	Lessons that can be learned from patients with diabetogenic mutations in mitochondrial DNA: implications for common type 2 diabetes. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2007, 10, 693-697.	1.3	19
77	Impaired glucagon-like peptide-1-induced insulin secretion in carriers of transcription factor 7-like 2 (TCF7L2) gene polymorphisms. <i>Diabetologia</i> , 2007, 50, 2443-2450.	2.9	284
78	New Insights in the Molecular Pathogenesis of the Maternally Inherited Diabetes and Deafness Syndrome. <i>Endocrinology and Metabolism Clinics of North America</i> , 2006, 35, 385-396.	1.2	29
79	Mitochondrial diabetes and its lessons for common Type 2 diabetes. <i>Biochemical Society Transactions</i> , 2006, 34, 819-823.	1.6	36
80	Inflammation and apoptosis genes and the risk of restenosis after percutaneous coronary intervention. <i>Pharmacogenetics and Genomics</i> , 2006, 16, 747-754.	0.7	14
81	Progressive Sensorineural Hearing Impairment in Maternally Inherited Diabetes Mellitus and Deafness (MIDD). <i>Otology and Neurotology</i> , 2006, 27, 802-808.	0.7	5
82	Novel Mitochondrial DNA Length Variants and Genetic Instability in a Family with Diabetes and Deafness. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2006, 114, 168-174.	0.6	8
83	The HADHSC Gene Encoding Short-Chain L-3-Hydroxyacyl-CoA Dehydrogenase (SCHAD) and Type 2 Diabetes Susceptibility: The DAMAGE Study. <i>Diabetes</i> , 2006, 55, 3193-3196.	0.3	7
84	Tumor necrosis factor- $\alpha$ plays an important role in restenosis development. <i>FASEB Journal</i> , 2005, 19, 1998-2004.	0.2	73
85	Evidence that the Mitochondrial Leucyl tRNA Synthetase (LARS2) Gene Represents a Novel Type 2 Diabetes Susceptibility Gene. <i>Diabetes</i> , 2005, 54, 1892-1895.	0.3	48
86	Molecular mechanisms of mitochondrial diabetes (MIDD). <i>Annals of Medicine</i> , 2005, 37, 213-221.	1.5	121
87	The Gly482Ser Variant in the Peroxisome Proliferator-Activated Receptor $\gamma$ 3 Coactivator-1 is not Associated with Diabetes-Related Traits in Non-Diabetic German and Dutch Populations. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2004, 112, 253-257.	0.6	32
88	Mitochondrial Diabetes: Molecular Mechanisms and Clinical Presentation. <i>Diabetes</i> , 2004, 53, S103-S109.	0.3	376
89	Genetic Factors and Insulin Secretion: Gene Variants in the IGF Genes. <i>Diabetes</i> , 2004, 53, S26-S30.	0.3	68
90	Lack of association between gene variants in the ALMS1 gene and Type 2 diabetes mellitus. <i>Diabetologia</i> , 2003, 46, 1023-1024.	2.9	14

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91	A Case of a De Novo A3243G Mutation in Mitochondrial DNA in a Patient with Diabetes and Deafness. Archives of Physiology and Biochemistry, 2002, 110, 186-188.	1.0	18
92	Variations in Insulin Secretion in Carriers of Gene Variants in IRS-1 and -2. Diabetes, 2002, 51, 884-887.	0.3	26
93	Variations in Insulin Secretion in Carriers of the E23K Variant in the KIR6.2 Subunit of the ATP-Sensitive K <sup>+</sup> Channel in the $\beta$ -Cell. Diabetes, 2002, 51, 3135-3138.	0.3	45
94	HLA-DQ polymorphism and degree of heteroplasmy of the A3243G mitochondrial DNA mutation in maternally inherited diabetes and deafness. Diabetic Medicine, 2000, 17, 841-847.	1.2	23
95	Characterization of a novel mitochondrial DNA deletion in a patient with a variant of the Pearson marrowâ€“pancreas syndrome. European Journal of Human Genetics, 2000, 8, 195-203.	1.4	40
96	Focal segmental glomerulosclerosis associated with mitochondrial cytopathy. Kidney International, 2000, 58, 1851-1858.	2.6	90
97	Reduced second phase insulin secretion in carriers of a sulphonylurea receptor gene variant associating with Type II diabetes mellitus. Diabetologia, 2000, 43, 515-519.	2.9	35
98	Maternally inherited diabetes and deafness (MIDD): unusual occult exocrine pancreatic manifestation in an affected German family. Experimental and Clinical Endocrinology and Diabetes, 2000, 108, 81-85.	0.6	16
99	Prevalence of Variants in Candidate Genes for Type 2 Diabetes Mellitus in The Netherlands: The Rotterdam Study and the Hoorn Study1. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 1002-1006.	1.8	44
100	Altered beta-cell characteristics in impaired glucose tolerant carriers of a GAA trinucleotide repeat polymorphism in the frataxin gene. Diabetes, 1999, 48, 924-926.	0.3	15
101	Search for mitochondrial DNA mutations in migraine subgroups. Cephalalgia, 1999, 19, 20-22.	1.8	4
102	Search for Mitochondrial Dna Mutations in Migraine Subgroups. Cephalalgia, 1999, 19, 20-22.	1.8	71
103	Variants in the sulphonylurea receptor gene: association of the exon 16-3t variant with Type II diabetes mellitus in Dutch Caucasians. Diabetologia, 1999, 42, 617-620.	2.9	79
104	Prevalence of Variants in Candidate Genes for Type 2 Diabetes Mellitus in The Netherlands: The Rotterdam Study and the Hoorn Study. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 1002-1006.	1.8	45
105	Association of a leucine(7)-to-proline(7) polymorphism in the signal peptide of neuropeptide Y with high serum cholesterol and LDL cholesterol levels. Nature Medicine, 1998, 4, 1434-1437.	15.2	214
106	Maternally Inherited Diabetes and Deafness: A Diabetic Subtype Associated with a Mutation in Mitochondrial DNA. Hormone and Metabolic Research, 1997, 29, 50-55.	0.7	29
107	Detection of Mitochondrial DNA Deletions in Human Skin Fibroblasts of Patients with Pearson's Syndrome by Two-color Fluorescence In Situ Hybridization. Journal of Histochemistry and Cytochemistry, 1997, 45, 55-61.	1.3	38
108	An Insulin Receptor Mutant (Asp707â†’ Ala), Involved in Leprechaunism, Is Processed and Transported to the Cell Surface but Unable to Bind Insulin. Journal of Biological Chemistry, 1996, 271, 18719-18724.	1.6	21

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109	Heteroplasmy levels of a mitochondrial gene mutation associated with diabetes mellitus decrease in leucocyte DNA upon aging. , 1996, 7, 193-197.		87
110	The molecular basis and clinical characteristics of Maternally Inherited Diabetes and Deafness (MIDD), a recently recognized diabetic subtype. Experimental and Clinical Endocrinology and Diabetes, 1996, 104, 205-211.	0.6	22
111	Heteroplasmy levels of a mitochondrial gene mutation associated with diabetes mellitus decrease in leucocyte DNA upon aging. Human Mutation, 1996, 7, 193-197.	1.1	3
112	Absence of the Gly40-Ser Mutation in the Glucagon Receptor Among Diabetic Patients in the Netherlands. Diabetes Care, 1995, 18, 1400-1401.	4.3	6
113	Prevalence of maternally inherited diabetes and deafness in diabetic populations in the Netherlands. Diabetologia, 1994, 37, 1169-1170.	2.9	52
114	Genome-Wide Meta-Analysis Identifies the Organic Anion-Transporting Polypeptide Gene &lt;i>&gt;SLCO1B1&lt;/i> and Statins as Modifiers of Glycemic Response to Sulfonylureas. SSRN Electronic Journal, 0, , .	0.4	0