Marloes Dekker Nitert

List of Publications by Year
in descending order

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97 papers	5,958 citations	87886 38 h-index	76898 74 g-index
105 all docs	105 docs citations	105 times ranked	9050 citing authors

#	Article	IF	Citations
1	A Six Months Exercise Intervention Influences the Genome-wide DNA Methylation Pattern in Human Adipose Tissue. PLoS Genetics, 2013, 9, e1003572.	3.5	502
2	Impact of an Exercise Intervention on DNA Methylation in Skeletal Muscle From First-Degree Relatives of Patients With Type 2 Diabetes. Diabetes, 2012, 61, 3322-3332.	0.6	334
3	Maternal diet and aging alter the epigenetic control of a promoterâ€“enhancer interaction at the Hnf4a gene in rat pancreatic islets. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5449-5454.	7.1	311
4	The Gut Microbiota and Inflammation: An Overview. International Journal of Environmental Research and Public Health, 2020, 17, 7618.	2.6	296
5	Increased Systolic and Diastolic Blood Pressure Is Associated With Altered Gut Microbiota Composition and Butyrate Production in Early Pregnancy. Hypertension, 2016, 68, 974-981.	2.7	293
6	Increased DNA Methylation and Decreased Expression of PDX-1 in Pancreatic Islets from Patients with Type 2 Diabetes. Molecular Endocrinology, 2012, 26, 1203-1212.	3.7	256
7	Low dietary fiber intake increases Collinsella abundance in the gut microbiota of overweight and obese pregnant women. Gut Microbes, 2018, 9, 189-201.	9.8	233
8	Connections Between the Gut Microbiome and Metabolic Hormones in Early Pregnancy in Overweight and Obese Women. Diabetes, 2016, 65, 2214-2223.	0.6	223
9	Insulin promoter DNA methylation correlates negatively with insulin gene expression and positively with HbA1c levels in human pancreatic islets. Diabetologia, 2011, 54, 360-367.	6.3	219
10	Review: Placental mitochondrial function and structure in gestational disorders. Placenta, 2017, 54, 2-9.	1.5	151
11	Review: Maternal health and the placental microbiome. Placenta, 2017, 54, 30-37.	1.5	129
12	Probiotics for the Prevention of Gestational Diabetes Mellitus in Overweight and Obese Women: Findings From the SPRING Double-Blind Randomized Controlled Trial. Diabetes Care, 2019, 42, 364-371.	8.6	125
13	Effects of palmitate on genome-wide mRNA expression and DNA methylation patterns in human pancreatic islets. BMC Medicine, 2014, 12, 103.	5.5	123
14	Contributions of the maternal oral and gut microbiome to placental microbial colonization in overweight and obese pregnant women. Scientific Reports, 2017, 7, 2860.	3.3	120
15	Insights Into the Molecular Mechanism for Type 2 Diabetes Susceptibility at the KCNQ1 Locus From Temporal Changes in Imprinting Status in Human Islets. Diabetes, 2013, 62, 987-992.	0.6	112
16	Normalizing Metabolism in Diabetic Pregnancy: Is It Time to Target Lipids?. Diabetes Care, 2014, 37, 1484-1493.	8.6	110
17	DNA methylation of the glucagon-like peptide 1 receptor (GLP1R) in human pancreatic islets. BMC Medical Genetics, 2013, 14, 76.	2.1	86
18	Regulation of core clock genes in human islets. Metabolism: Clinical and Experimental, 2012, 61, 978-985.	3.4	84

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19	Altered serotonin (5-HT) 1D and 2A receptor expression may contribute to defective insulin and glucagon secretion in human type 2 diabetes. Peptides, 2015, 71, 113-120.	2.4	82
20	A Vegetarian Diet Is a Major Determinant of Gut Microbiota Composition in Early Pregnancy. Nutrients, 2018, 10, 890.	4.1	82
21	A Common Variant in TFB1M Is Associated with Reduced Insulin Secretion and Increased Future Risk of Type 2 Diabetes. Cell Metabolism, 2011, 13, 80-91.	16.2	81
22	SPRING: an RCT study of probiotics in the prevention of gestational diabetes mellitus in overweight and obese women. BMC Pregnancy and Childbirth, 2013, 13, 50.	2.4	76
23	Antibiotic treatment at delivery shapes the initial oral microbiome in neonates. Scientific Reports, 2017, 7, 43481.	3.3	72
24	The effects of high glucose exposure on global gene expression and DNA methylation in human pancreatic islets. Molecular and Cellular Endocrinology, 2018, 472, 57-67.	3.2	72
25	Nesfatin-1 stimulates glucagon and insulin secretion and beta cell NUCB2 is reduced in human type 2 diabetic subjects. Cell and Tissue Research, 2011, 346, 393-405.	2.9	68
26	Faecal Microbiota Are Related to Insulin Sensitivity and Secretion in Overweight or Obese Adults. Journal of Clinical Medicine, 2019, 8, 452.	2.4	68
27	Coordinate Changes in Histone Modifications, mRNA Levels, and Metabolite Profiles in Clonal INS-1 832/13 Î²-Cells Accompany Functional Adaptations to Lipotoxicity. Journal of Biological Chemistry, 2013, 288, 11973-11987.	3.4	66
28	Apelin is a novel islet peptide. Regulatory Peptides, 2010, 162, 44-51.	1.9	64
29	Decreased expression of genes involved in oxidative phosphorylation in human pancreatic islets from patients with type 2 diabetes. European Journal of Endocrinology, 2011, 165, 589-595.	3.7	64
30	Serotonin (5-HT) receptor 2b activation augments glucose-stimulated insulin secretion in human and mouse islets of Langerhans. Diabetologia, 2016, 59, 744-754.	6.3	64
31	Placental mitochondrial adaptations in preeclampsia associated with progression to term delivery. Cell Death and Disease, 2018, 9, 1150.	6.3	63
32	Enhanced mitochondrial metabolism may account for the adaptation to insulin resistance in islets from C57BL/6J mice fed a high-fat diet. Diabetologia, 2006, 50, 74-83.	6.3	61
33	Review: Alterations in placental glycogen deposition in complicated pregnancies: Current preclinical and clinical evidence. Placenta, 2017, 54, 52-58.	1.5	58
34	Effect of Vitamin D Supplementation on Faecal Microbiota: A Randomised Clinical Trial. Nutrients, 2019, 11, 2888.	4.1	58
35	Probiotics for preventing gestational diabetes. The Cochrane Library, 2014, , CD009951.	2.8	56
36	Review: Placental transport and metabolism of energy substrates in maternal obesity and diabetes. Placenta, 2017, 54, 59-67.	1.5	56

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37	IGF-I/insulin hybrid receptors in human endothelial cells. Molecular and Cellular Endocrinology, 2005, 229, 31-37.	3.2	53
38	Reâ€assessing microbiomes in the lowâ€biomass reproductive niche. BJOG: an International Journal of Obstetrics and Gynaecology, 2020, 127, 147-158.	2.3	50
39	A beta cell-specific knockout of hormone-sensitive lipase in mice results in hyperglycaemia and disruption of exocytosis. Diabetologia, 2009, 52, 271-280.	6.3	45
40	Pregnant women who develop preeclampsia have lower abundance of the butyrate-producer Coprococcus in their gut microbiota. Pregnancy Hypertension, 2021, 23, 211-219.	1.4	42
41	CaV1.2 rather than CaV1.3 is coupled to glucose-stimulated insulin secretion in INS-1 832/13 cells. Journal of Molecular Endocrinology, 2008, 41, 1-11.	2.5	39
42	Maternal and Neonatal Circulating Markers of Metabolic and Cardiovascular Risk in the Metformin in Gestational Diabetes (MiG) Trial. Diabetes Care, 2013, 36, 529-536.	8.6	39
43	Increased Placental Expression of Fibroblast Growth Factor 21 in Gestational Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E591-E598.	3.6	39
44	Altered Gut Microbiota Composition Is Associated With Back Pain in Overweight and Obese Individuals. Frontiers in Endocrinology, 2020, 11, 605.	3.5	39
45	Overweight and obesity knowledge prior to pregnancy: a survey study. BMC Pregnancy and Childbirth, 2011, 11, 96.	2.4	33
46	Probiotics: a potential role in the prevention of gestational diabetes?. Acta Diabetologica, 2012, 49, 1-13.	2.5	33
47	Exercise in pregnancy does not alter gestational weight gain, <scp>MCP</scp>â€1 or leptin in obese women. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2015, 55, 27-33.	1.0	33
48	Probiotics and Pregnancy. Current Diabetes Reports, 2015, 15, 567.	4.2	33
49	Placental Lipases in Pregnancies Complicated by Gestational Diabetes Mellitus (GDM). PLoS ONE, 2014, 9, e104826.	2.5	33
50	Glucolipotoxicity Alters Insulin Secretion via Epigenetic Changes in Human Islets. Diabetes, 2019, 68, 1965-1974.	0.6	30
51	Rat insulin promoter 2-Cre recombinase mice bred onto a pure C57BL/6J background exhibit unaltered glucose tolerance. Journal of Endocrinology, 2007, 194, 551-555.	2.6	28
52	Probiotics for preventing gestational diabetes. The Cochrane Library, 2021, 2021, CD009951.	2.8	28
53	Characterisation of receptors for IGF-I and insulin; evidence for hybrid insulin/IGF-I receptor in human coronary artery endothelial cells. Growth Hormone and IGF Research, 2006, 16, 258-266.	1.1	27
54	Determinants of Maternal Triglycerides in Women With Gestational Diabetes Mellitus in the Metformin in Gestational Diabetes (MiG) Study. Diabetes Care, 2013, 36, 1941-1946.	8.6	27

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55	CART is overexpressed in human type 2 diabetic islets and inhibits glucagon secretion and increases insulin secretion. Diabetologia, 2016, 59, 1928-1937.	6.3	24
56	First-Degree Relatives of Type 2 Diabetic Patients Have Reduced Expression of Genes Involved in Fatty Acid Metabolism in Skeletal Muscle. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1332-E1337.	3.6	21
57	Iron supplementation has minor effects on gut microbiota composition in overweight and obese women in early pregnancy. British Journal of Nutrition, 2018, 120, 283-289.	2.3	20
58	Differential response to lipopolysaccharide by JEG-3 and BeWo human choriocarcinoma cell lines. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2014, 175, 129-133.	1.1	18
59	Maternal lipids in pre-eclampsia: innocent bystander or culprit?. Hypertension in Pregnancy, 2014, 33, 508-523.	1.1	18
60	Periconception Weight Loss: Common Sense for Mothers, but What about for Babies?. Journal of Obesity, 2014, 2014, 1-10.	2.7	17
61	The influence of wasabi on the gut microbiota of high-carbohydrate, high-fat diet-induced hypertensive Wistar rats. Journal of Human Hypertension, 2021, 35, 170-180.	2.2	17
62	Does a history of hypertensive disorders of pregnancy help predict future essential hypertension? Findings from a prospective pregnancy cohort study. Journal of Human Hypertension, 2013, 27, 309-314.	2.2	16
63	Ketones in Pregnancy: Why Is It Considered Necessary to Avoid Them and What Is the Evidence Behind Their Perceived Risk?. Diabetes Care, 2021, 44, 280-289.	8.6	16
64	The rat placental renin-angiotensin system - a gestational gene expression study. Reproductive Biology and Endocrinology, 2015, 13, 89.	3.3	15
65	The Effect of Gestational Age on Angiogenic Gene Expression in the Rat Placenta. PLoS ONE, 2013, 8, e83762.	2.5	14
66	Review: Is rapid fat accumulation in early life associated with adverse later health outcomes?. Placenta, 2017, 54, 125-130.	1.5	14
67	Ketonuria Is Associated with Changes to the Abundance of Roseburia in the Gut Microbiota of Overweight and Obese Women at 16 Weeks Gestation: A Cross-Sectional Observational Study. Nutrients, 2019, 11, 1836.	4.1	14
68	Less pronounced response to exercise in healthy relatives to type 2 diabetic subjects compared with controls. Journal of Applied Physiology, 2015, 119, 953-960.	2.5	13
69	Wasabi supplementation alters the composition of the gut microbiota of diet-induced obese rats. Journal of Functional Foods, 2020, 67, 103868.	3.4	13
70	Dietary Fiber Intake Alters Gut Microbiota Composition but Does Not Improve Gut Wall Barrier Function in Women with Future Hypertensive Disorders of Pregnancy. Nutrients, 2020, 12, 3862.	4.1	12
71	Gestation Related Gene Expression of the Endocannabinoid Pathway in Rat Placenta. Mediators of Inflammation, 2015, 2015, 1-9.	3.0	11
72	Placental fibroblast growth factor 21 is not altered in late-onset preeclampsia. Reproductive Biology and Endocrinology, 2015, 13, 14.	3.3	11

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73	Prenatal Exposures to Multiple Thyroid Hormone Disruptors: Effects on Glucose and Lipid Metabolism. Journal of Thyroid Research, 2016, 2016, 1-14.	1.3	11
74	Placental lipase expression in pregnancies complicated by preeclampsia: a caseâ€“control study. Reproductive Biology and Endocrinology, 2015, 13, 100.	3.3	10
75	Pregnancy and diet-related changes in the maternal gut microbiota following exposure to an elevated linoleic acid diet. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E276-E285.	3.5	10
76	Impact of Food-Based Weight Loss Interventions on Gut Microbiome in Individuals with Obesity: A Systematic Review. Nutrients, 2022, 14, 1953.	4.1	9
77	Maternal gut microbiota displays minor changes in overweight and obese women with GDM. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 2131-2139.	2.6	8
78	Maternal high-fat diet alters expression of pathways of growth, blood supply and arachidonic acid in rat placenta. Journal of Nutritional Science, 2013, 2, e41.	1.9	7
79	Validation of a triglyceride meter for use in pregnancy. BMC Research Notes, 2014, 7, 679.	1.4	7
80	Prevalence of maternal urinary ketones in pregnancy in overweight and obese women. Obstetric Medicine, 2018, 11, 79-82.	1.1	6
81	Reduced Abundance of Nitrate-Reducing Bacteria in the Oral Microbiota of Women with Future Preeclampsia. Nutrients, 2022, 14, 1139.	4.1	6
82	Home Monitoring of Fasting and Postprandial Triglycerides in Late Pregnancy: A Pilot Study. Diabetes Care, 2017, 40, e1-e2.	8.6	5
83	A fifteen-year retrospective review of obstetric patients requiring critical care. Obstetric Medicine, 2012, 5, 166-170.	1.1	4
84	Knights in Shining Armor. Circulation Research, 2019, 124, 12-14.	4.5	4
85	Rapid method for growth hormone receptor exon 3 delete (GHRd3) SNP genotyping from archival human placental samples. Endocrine, 2015, 49, 643-652.	2.3	3
86	Mid-to-Late Gestational Changes in Inflammatory Gene Expression in the Rat Placenta. Reproductive Sciences, 2018, 25, 222-229.	2.5	3
87	Epigenetics and Type 2 Diabetes. , 2011, , 135-145.		1
88	Expression of placental fibroblast growth factor 21 (FGF21) is increased in placental tissue from pregnancies with preeclampsia. Placenta, 2014, 35, A84.	1.5	1
89	Successful vaginal delivery following spontaneous adrenal haemorrhage at term. BMJ Case Reports, 2016, 2016, bcr2016215096.	0.5	1
90	Self-reported periconception weight loss attempts do not alter infant body composition. Nutrition, 2020, 77, 110781.	2.4	1

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91	Capillary Triglycerides in Late Pregnancyâ€"Challenging to Measure, Hard to Interpret: A Cohort Study of Practicality. Nutrients, 2021, 13, 1266.	4.1	1
92	20. Preconception care and barriers to addressing overweight and obesity: a focus on weight loss advice and weight loss strategies. Human Health Handbooks, 2014, , 327-342.	0.1	0
93	Rapid method for Growth Hormone Receptor exon 3 delete (GHR d3) SNP genotyping from archival human placental samples. Placenta, 2015, 36, A19.	1.5	0
94	Probiotics in the Prevention of Gestational Diabetes Mellitus (GDM). , 2018, , 275-288.		0
95	Maternal overnutrition and mitochondrial function. , 2021, , 265-296.		0
96	Increasing pregnancy duration, fetal and early postnatal growth in LMIC: The importance of a gut microbiome that exploits dietary staples. EBioMedicine, 2021, 69, 103449.	6.1	0
97	Consumption of a Low Carbohydrate Diet in Overweight or Obese Pregnant Women Is Associated with Longer Gestation of Pregnancy. Nutrients, 2021, 13, 3511.	4.1	0