

Denise M Scholtens

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

4,722
citations

117625

34
h-index

110387

64
g-index

102
all docs

102
docs citations

102
times ranked

7722
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide associations for birth weight and correlations with adult disease. <i>Nature</i> , 2016, 538, 248-252.	27.8	406
2	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. <i>Nature Genetics</i> , 2019, 51, 804-814.	21.4	402
3	Association of Gestational Diabetes With Maternal Disorders of Glucose Metabolism and Childhood Adiposity. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 1005.	7.4	362
4	Hyperglycemia and Adverse Pregnancy Outcome Follow-up Study (HAPO FUS): Maternal Gestational Diabetes Mellitus and Childhood Glucose Metabolism. <i>Diabetes Care</i> , 2019, 42, 372-380.	8.6	313
5	Genetic Evidence for Causal Relationships Between Maternal Obesity-Related Traits and Birth Weight. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 1129.	7.4	220
6	Hyperglycemia and Adverse Pregnancy Outcome Follow-up Study (HAPO FUS): Maternal Glycemia and Childhood Glucose Metabolism. <i>Diabetes Care</i> , 2019, 42, 381-392.	8.6	169
7	Maternal glucose levels during pregnancy and childhood adiposity in the Hyperglycemia and Adverse Pregnancy Outcome Follow-up Study. <i>Diabetologia</i> , 2019, 62, 598-610.	6.3	161
8	Genome-wide association study of offspring birth weight in 86,577 women identifies five novel loci and highlights maternal genetic effects that are independent of fetal genetics. <i>Human Molecular Genetics</i> , 2018, 27, 742-756.	2.9	156
9	IDO1 Inhibition Synergizes with Radiation and PD-1 Blockade to Durably Increase Survival Against Advanced Glioblastoma. <i>Clinical Cancer Research</i> , 2018, 24, 2559-2573.	7.0	147
10	Metabolomics Reveals Broad-Scale Metabolic Perturbations in Hyperglycemic Mothers During Pregnancy. <i>Diabetes Care</i> , 2014, 37, 158-166.	8.6	103
11	Massively parallel quantification of the regulatory effects of noncoding genetic variation in a human cohort. <i>Genome Research</i> , 2015, 25, 1206-1214.	5.5	100
12	Maternal and Neonatal Morbidity for Women Who Would Be Added to the Diagnosis of GDM Using IADPSG Criteria: A Secondary Analysis of the Hyperglycemia and Adverse Pregnancy Outcome Study. <i>Diabetes Care</i> , 2016, 39, 2204-2210.	8.6	88
13	Coordinated regulatory variation associated with gestational hyperglycaemia regulates expression of the novel hexokinase HKDC1. <i>Nature Communications</i> , 2015, 6, 6069.	12.8	83
14	Transversions have larger regulatory effects than transitions. <i>BMC Genomics</i> , 2017, 18, 394.	2.8	83
15	Differential Methylation Profile of Ovarian Cancer in Tissues and Plasma. <i>Journal of Molecular Diagnostics</i> , 2009, 11, 60-65.	2.8	82
16	The Coincidence Between Increasing Age, Immunosuppression, and the Incidence of Patients With Glioblastoma. <i>Frontiers in Pharmacology</i> , 2019, 10, 200.	3.5	82
17	Maternal BMI and Glycemia Impact the Fetal Metabolome. <i>Diabetes Care</i> , 2017, 40, 902-910.	8.6	74
18	Maternal short-chain fatty acids are associated with metabolic parameters in mothers and newborns. <i>Translational Research</i> , 2014, 164, 153-157.	5.0	73

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19	Local modeling of global interactome networks. <i>Bioinformatics</i> , 2005, 21, 3548-3557.	4.1	72
20	Associations of maternal BMI and insulin resistance with the maternal metabolome and newborn outcomes. <i>Diabetologia</i> , 2017, 60, 518-530.	6.3	71
21	Genetics of Gestational Diabetes Mellitus and Maternal Metabolism. <i>Current Diabetes Reports</i> , 2016, 16, 15.	4.2	70
22	Many si/shRNAs can kill cancer cells by targeting multiple survival genes through an off-target mechanism. <i>ELife</i> , 2017, 6, .	6.0	62
23	Associations of Maternal Cardiovascular Health in Pregnancy With Offspring Cardiovascular Health in Early Adolescence. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 658.	7.4	62
24	Visualizing collaborative electronic health record usage for hospitalized patients with heart failure. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2015, 22, 299-311.	4.4	49
25	Metabolic Networks and Metabolites Underlie Associations Between Maternal Glucose During Pregnancy and Newborn Size at Birth. <i>Diabetes</i> , 2016, 65, 2039-2050.	0.6	49
26	Variants in the fetal genome near pro-inflammatory cytokine genes on 2q13 associate with gestational duration. <i>Nature Communications</i> , 2019, 10, 3927.	12.8	49
27	Methylation and transcription patterns are distinct in IDH mutant gliomas compared to other IDH mutant cancers. <i>Scientific Reports</i> , 2019, 9, 8946.	3.3	44
28	Overexpression of lipid metabolism genes and PBX1 in the contralateral breasts of women with estrogen receptor-negative breast cancer. <i>International Journal of Cancer</i> , 2017, 140, 2484-2497.	5.1	43
29	Maternal metabolites during pregnancy are associated with newborn outcomes and hyperinsulinaemia across ancestries. <i>Diabetologia</i> , 2019, 62, 473-484.	6.3	43
30	A graph-theoretic approach to testing associations between disparate sources of functional genomics data. <i>Bioinformatics</i> , 2004, 20, 3353-3362.	4.1	42
31	Effect of MRI on the Management of Ductal Carcinoma In Situ of the Breast. <i>Annals of Surgical Oncology</i> , 2013, 20, 1522-1529.	1.5	41
32	Targeted Metabolomics Demonstrates Distinct and Overlapping Maternal Metabolites Associated With BMI, Glucose, and Insulin Sensitivity During Pregnancy Across Four Ancestry Groups. <i>Diabetes Care</i> , 2017, 40, 911-919.	8.6	38
33	Fetal Genotype and Maternal Glucose Have Independent and Additive Effects on Birth Weight. <i>Diabetes</i> , 2018, 67, 1024-1029.	0.6	38
34	Coverage and error models of protein-protein interaction data by directed graph analysis. <i>Genome Biology</i> , 2007, 8, R186.	9.6	37
35	Mixture model normalization for non-targeted gas chromatography/mass spectrometry metabolomics data. <i>BMC Bioinformatics</i> , 2017, 18, 84.	2.6	37
36	Maternal BMI Associations with Maternal and Cord Blood Vitamin D Levels in a North American Subset of Hyperglycemia and Adverse Pregnancy Outcome (HAPO) Study Participants. <i>PLoS ONE</i> , 2016, 11, e0150221.	2.5	37

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37	The chromosome 3q25 genomic region is associated with measures of adiposity in newborns in a multi-ethnic genome-wide association study. <i>Human Molecular Genetics</i> , 2013, 22, 3583-3596.	2.9	35
38	Connexin 30 expression inhibits growth of human malignant gliomas but protects them against radiation therapy. <i>Neuro-Oncology</i> , 2015, 17, 392-406.	1.2	35
39	Methylation-dependent Tissue Factor Suppression Contributes to the Reduced Malignancy of IDH1-mutant Gliomas. <i>Clinical Cancer Research</i> , 2019, 25, 747-759.	7.0	35
40	The Joint Associations of Maternal BMI and Glycemia with Childhood Adiposity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2177-2188.	3.6	35
41	Local transdermal therapy to the breast for breast cancer prevention and DCIS therapy: preclinical and clinical evaluation. <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 76, 1235-1246.	2.3	33
42	Newborn Adiposity and Cord Blood C-Peptide as Mediators of the Maternal Metabolic Environment and Childhood Adiposity. <i>Diabetes Care</i> , 2021, 44, 1194-1202.	8.6	33
43	Genetic Determinants of Glycemic Traits and the Risk of Gestational Diabetes Mellitus. <i>Diabetes</i> , 2018, 67, 2703-2709.	0.6	30
44	Cord Blood Metabolomics: Association With Newborn Anthropometrics and C-Peptide Across Ancestries. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 4459-4472.	3.6	30
45	Expression of <i>miR-18a</i> and <i>miR-210</i> in Normal Breast Tissue as Candidate Biomarkers of Breast Cancer Risk. <i>Cancer Prevention Research</i> , 2017, 10, 89-97.	1.5	28
46	Cord Blood Metabolites Associated with Newborn Adiposity and Hyperinsulinemia. <i>Journal of Pediatrics</i> , 2018, 203, 144-149.e1.	1.8	26
47	Fat mass estimation in neonates: anthropometric models compared with air displacement plethysmography. <i>British Journal of Nutrition</i> , 2019, 121, 285-290.	2.3	26
48	Associations of gestational cardiovascular health with pregnancy outcomes: the Hyperglycemia and Adverse Pregnancy Outcome study. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 224, 210.e1-210.e17.	1.3	23
49	The interplay among psychological distress, the immune system, and brain tumor patient outcomes. <i>Current Opinion in Behavioral Sciences</i> , 2019, 28, 44-50.	3.9	22
50	Metabomxtr: an R package for mixture-model analysis of non-targeted metabolomics data. <i>Bioinformatics</i> , 2014, 30, 3287-3288.	4.1	21
51	The selected biomarker analysis in 5 types of uterine smooth muscle tumors. <i>Human Pathology</i> , 2018, 76, 17-27.	2.0	21
52	Ribosomal protein S11 influences glioma response to TOP2 poisons. <i>Oncogene</i> , 2020, 39, 5068-5081.	5.9	21
53	Metabolomic and genetic associations with insulin resistance in pregnancy. <i>Diabetologia</i> , 2020, 63, 1783-1795.	6.3	21
54	Characterizing Teamwork in Cardiovascular Care Outcomes. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2016, 9, 670-678.	2.2	20

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55	Estimating node degree in bait-prey graphs. <i>Bioinformatics</i> , 2008, 24, 218-224.	4.1	17
56	A general pipeline for quality and statistical assessment of protein interaction data using R and Bioconductor. <i>Nature Protocols</i> , 2009, 4, 535-546.	12.0	15
57	Maternal Metabolites Associated With Gestational Diabetes Mellitus and a Postpartum Disorder of Glucose Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 3283-3294.	3.6	15
58	Response to Comment on Scholtens et al. Hyperglycemia and Adverse Pregnancy Outcome Follow-up Study (HAPO FUS): Maternal Glycemia and Childhood Glucose Metabolism. <i>Diabetes Care</i> 2019;42:381-392. <i>Diabetes Care</i> , 2019, 42, e128-e129.	8.6	14
59	Factors Associated with Time to Conversion from Active Surveillance to Treatment for Prostate Cancer in a Multi-Institutional Cohort. <i>Journal of Urology</i> , 2021, 206, 1147-1156.	0.4	14
60	Synuclein- β (SNCG) expression in ovarian cancer is associated with high-risk clinicopathologic disease. <i>Journal of Ovarian Research</i> , 2016, 9, 75.	3.0	13
61	An Outcome-Weighted Network Model for Characterizing Collaboration. <i>PLoS ONE</i> , 2016, 11, e0163861.	2.5	13
62	Making Sense of High-Throughput Protein-Protein Interaction Data. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2005, 3, 1-31.	0.6	12
63	Synuclein- β in uterine serous carcinoma impacts survival: An NRG Oncology/Gynecologic Oncology Group study. <i>Cancer</i> , 2017, 123, 1144-1155.	4.1	11
64	Hyperglycemia and Adverse Pregnancy Outcome Follow-Up Study: newborn anthropometrics and childhood glucose metabolism. <i>Diabetologia</i> , 2021, 64, 561-570.	6.3	11
65	Nipple Aspirate Fluid Hormone Concentrations and Breast Cancer Risk. <i>Hormones and Cancer</i> , 2016, 7, 127-136.	4.9	10
66	Genetic determinants of adiponectin regulation revealed by pregnancy. <i>Obesity</i> , 2017, 25, 935-944.	3.0	10
67	Genetic Loci and Physiologic Pathways Involved in Gestational Diabetes Mellitus Implicated Through Clustering. <i>Diabetes</i> , 2021, 70, 268-281.	0.6	10
68	Genetic factors associated with prostate cancer conversion from active surveillance to treatment. <i>Human Genetics and Genomics Advances</i> , 2022, 3, 100070.	1.7	10
69	Higher maternal adiposity reduces offspring birthweight if associated with a metabolically favourable profile. <i>Diabetologia</i> , 2021, 64, 2790-2802.	6.3	9
70	Optimizing Health Information Technologies for Symptom Management in Cancer Patients and Survivors: Usability Evaluation. <i>JMIR Formative Research</i> , 2020, 4, e18412.	1.4	9
71	Molecular Classification of Gliomas is Associated with Seizure Control: A Retrospective Analysis. <i>NeuroMolecular Medicine</i> , 2021, 23, 315-326.	3.4	8
72	Does Value Vary by Center Surgical Volume for Neonates With Truncus Arteriosus? A Multicenter Study. <i>Annals of Thoracic Surgery</i> , 2021, 112, 170-177.	1.3	6

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73	Benign tumors in TSC are amenable to treatment by GD3 CAR T cells in mice. JCI Insight, 2021, 6, .	5.0	5
74	SAT-124 Hyperglycemia and Adverse Pregnancy Outcome Follow-Up Study (HAPO FUS): Newborn Anthropometrics and Childhood Glucose Metabolism. Journal of the Endocrine Society, 2019, 3, .	0.2	4
75	Associations of glycemia and lipid levels in pregnancy with dyslipidemia 10 years later: The HAPO follow-up study. Diabetes Research and Clinical Practice, 2022, 185, 109790.	2.8	3
76	Risk Adjusting Health Care Provider Collaboration Networks. Methods of Information in Medicine, 2019, 58, 071-078.	1.2	2
77	Association of glucose metabolism and blood pressure during pregnancy with subsequent maternal blood pressure. Journal of Human Hypertension, 2021, , .	2.2	2
78	All thresholds of maternal hyperglycaemia from the WHO 2013 criteria for gestational diabetes identify women with a higher genetic risk for type 2 diabetes. Wellcome Open Research, 2020, 5, 175.	1.8	2
79	An effectiveness-implementation hybrid trial for informatics-based cancer symptom management.. Journal of Clinical Oncology, 2020, 38, 236-236.	1.6	2
80	Path-level interpretation of Gaussian graphical models using the pair-path subscore. BMC Bioinformatics, 2022, 23, 12.	2.6	2
81	Fetal alleles predisposing to metabolically favorable adiposity are associated with higher birth weight. Human Molecular Genetics, 2022, 31, 1762-1775.	2.9	2
82	A computationally simple bivariate survival estimator for efficacy and safety. Lifetime Data Analysis, 2006, 12, 365-387.	0.9	1
83	Commentary: preclinical efficacy of immune-checkpoint monotherapy does not recapitulate corresponding biomarkers-based clinical predictions in glioblastoma by Garg et al. (2017). OncoImmunology, 2019, 8, 1548242.	4.6	1
84	Network Approaches to Integrate Analyses of Genetics and Metabolomics Data with Applications to Fetal Programming Studies. Metabolites, 2022, 12, 512.	2.9	1
85	Assessing Network Structure in the Presence of Measurement Error. , 0, , 419-441.		0
86	Node sampling for protein complex estimation in bait-prey graphs. Statistical Applications in Genetics and Molecular Biology, 2015, 14, 391-411.	0.6	0
87	Genetic Determinants of Nipple Aspiration Fluid Yield. Annals of Surgical Oncology, 2016, 23, 2487-2493.	1.5	0
88	IMMU-41. IDO1 INCREASES Treg RECRUITMENT INDEPENDENT OF TRYPTOPHAN METABOLISM IN A MODEL OF GLIOBLASTOMA. Neuro-Oncology, 2018, 20, vi130-vi130.	1.2	0
89	GENE-28. METHYLOMES AND TRANSCRIPTOMES VARY ACROSS IDH1 MUTANT CANCERS. Neuro-Oncology, 2018, 20, vi109-vi109.	1.2	0
90	HOUT-10. SELECTIVE SEROTONIN REUPTAKE INHIBITOR (SSRI) TREATMENT IS ASSOCIATED WITH IMPROVED SURVIVAL AMONG ELDERLY PATIENTS DIAGNOSED WITH GLIOBLASTOMA. Neuro-Oncology, 2018, 20, vi115-vi115.	1.2	0

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91	Gestational Diabetes and Childhood Obesityâ€™Reply. JAMA - Journal of the American Medical Association, 2019, 321, 708.	7.4	0
92	Bayesian estimation of genetic regulatory effects in high-throughput reporter assays. Bioinformatics, 2020, 36, 331-338.	4.1	0
93	Reply by Authors. Journal of Urology, 2021, 206, 1156.	0.4	0
94	A pilot phase II trial of cabergoline in the treatment of metastatic breast cancer.. Journal of Clinical Oncology, 2017, 35, e12568-e12568.	1.6	0
95	Post-operative disposition and readmission rates in repeat resections for glioblastoma.. Journal of Clinical Oncology, 2020, 38, e14543-e14543.	1.6	0
96	EXTH-65. USING METHYLATION PROFILES TO GUIDE THE REPURPOSING OF CHEMOTHERAPIES AGAINST HIGH-RISK MENINGIOMAS. Neuro-Oncology, 2020, 22, ii101-ii101.	1.2	0
97	IMMU-44. PRE-DIAGNOSTIC EOSINOPHIL LEVEL AND GLIOBLASTOMA DEVELOPMENT IN PATIENTS WITH AND WITHOUT ATOPIC DISEASE. Neuro-Oncology, 2020, 22, ii114-ii114.	1.2	0