Marie-France Hivert

List of Publications by Year in Descending Order

204 papers	8,720 citations	43 h-index	90 g-index
217 ext. papers	11,114 ext. citations	7.2 avg, IF	5.57 L-index

#	Paper	IF	Citations
204	Human plasma pregnancy-associated miRNAs and their temporal variation within the first trimester of pregnancy.. *Reproductive Biology and Endocrinology*, **2022**, 20, 14	5	2
203	ADA/EASD Precision Medicine in Diabetes Initiative: An International Perspective and Future Vision for Precision Medicine in Diabetes.. *Diabetes Care*, **2022**, 45, 261-266	14.6	3
202	Maternal Glycemic Dysregulation During Pregnancy and Neonatal Blood DNA Methylation: Meta-analyses of Epigenome-Wide Association Studies.. *Diabetes Care*, **2022**,	14.6	4
201	Lifestyle interventions in pregnancy targeting GDM prevention: looking ahead to precision medicine.. *Diabetologia*, **2022**, 1	10.3	5
200	Analysis of Early-Life Growth and Age at Pubertal Onset in US Children.. *JAMA Network Open*, **2022**, 5, e2146873	10.4	0
199	Fetal Origin of Adult Disease: The Case of GDM **2022**, 93-116		
198	Gestational Perfluoroalkyl Substance Exposure and DNA Methylation at Birth and 12 Years of Age: A Longitudinal Epigenome-Wide Association Study.. *Environmental Health Perspectives*, **2022**, 130, 37005	8.4	1
197	Maternal Mediterranean diet in pregnancy and newborn DNA methylation: a meta-analysis in the PACE Consortium.. *Epigenetics*, **2022**, 1-13	5.7	1
196	Metabolomic Predictors of Dysglycemia in Two U.S. Youth Cohorts. *Metabolites*, **2022**, 12, 404	5.6	
195	Network Approaches to Integrate Analyses of Genetics and Metabolomics Data with Applications to Fetal Programming Studies. *Metabolites*, **2022**, 12, 512	5.6	
194	Prospective Associations of Early Pregnancy Metal Mixtures with Mitochondria DNA Copy Number and Telomere Length in Maternal and Cord Blood. *Environmental Health Perspectives*, **2021**, 129, 117007	8.4	0
193	Prenatal metal exposure, cord blood DNA methylation and persistence in childhood: an epigenome-wide association study of 12 metals. *Clinical Epigenetics*, **2021**, 13, 208	7.7	2
192	Association of mode of delivery with offspring pubertal development in Project Viva: a prospective pre-birth cohort study in the USA. *Human Reproduction*, **2021**,	5.7	1
191	Association of Mode of Obstetric Delivery With Child and Adolescent Body Composition. *JAMA Network Open*, **2021**, 4, e2125161	10.4	1
190	Comparative epigenome-wide analysis highlights placenta-specific differentially methylated regions. *Epigenomics*, **2021**, 13, 357-368	4.4	1
189	Maternal glucose in pregnancy is associated with child adiposity and leptin at 5 years of age. *Pediatric Obesity*, **2021**, 16, e12788	4.6	0
188	Per- and polyfluoroalkyl substances and kidney function: Follow-up results from the Diabetes Prevention Program trial. *Environment International*, **2021**, 148, 106375	12.9	7

187	Detecting differentially methylated regions with multiple distinct associations. *Epigenomics*, **2021**, 13, 451-464	4.4	2
186	Per- and polyfluoroalkyl substance plasma concentrations and metabolomic markers of type 2 diabetes in the Diabetes Prevention Program trial. *International Journal of Hygiene and Environmental Health*, **2021**, 232, 113680	6.9	2
185	Childhood patterns of overweight and wheeze and subsequent risk of current asthma and obesity in adolescence. *Paediatric and Perinatal Epidemiology*, **2021**, 35, 569-577	2.7	1
184	Maternal Dietary Inflammatory Index in Pregnancy and Offspring Behavioral Problems in Mid-Childhood and Early Adolescence. *Biological Psychiatry*, **2021**, 90, e73-e75	7.9	0
183	Diet and erythrocyte metal concentrations in early pregnancy-cross-sectional analysis in Project Viva. *American Journal of Clinical Nutrition*, **2021**, 114, 540-549	7	4
182	Insulin Resistant Gestational Glucose Intolerance Is Associated With Adverse Perinatal Outcomes. *Journal of the Endocrine Society*, **2021**, 5, A434-A434	0.4	3
181	Per- and polyfluoroalkyl substances and calcifications of the coronary and aortic arteries in adults with prediabetes: Results from the diabetes prevention program outcomes study. *Environment International*, **2021**, 151, 106446	12.9	3
180	Genetic Interactions with Intrauterine Diabetes Exposure in Relation to Obesity: The EPOCH and Project Viva Studies. *Pediatric Reports*, **2021**, 13, 279-288	1	
179	Detecting cord blood cell type-specific epigenetic associations with gestational diabetes mellitus and early childhood growth. *Clinical Epigenetics*, **2021**, 13, 131	7.7	1
178	Dietary fat intake during early pregnancy is associated with cord blood DNA methylation at IGF2 and H19 genes in newborns. *Environmental and Molecular Mutagenesis*, **2021**, 62, 388-398	3.2	0
177	Genetic Loci and Physiologic Pathways Involved in Gestational Diabetes Mellitus Implicated Through Clustering. *Diabetes*, **2021**, 70, 268-281	0.9	5
176	Mode of delivery, type of labor, and measures of adiposity from childhood to teenage: Project Viva. *International Journal of Obesity*, **2021**, 45, 36-44	5.5	3
175	Maternal glucose tolerance in pregnancy and child cognitive and behavioural problems in early and mid-childhood. *Paediatric and Perinatal Epidemiology*, **2021**, 35, 109-119	2.7	1
174	Maternal anxiety during pregnancy and newborn epigenome-wide DNA methylation. *Molecular Psychiatry*, **2021**, 26, 1832-1845	15.1	6
173	Neighborhood Child Opportunity Index and Adolescent Cardiometabolic Risk. *Pediatrics*, **2021**, 147,	7.4	6
172	Separating Algorithms From Questions and Causal Inference With Unmeasured Exposures: An Application to Birth Cohort Studies of Early Body Mass Index Rebound. *American Journal of Epidemiology*, **2021**, 190, 1414-1423	3.8	3
171	Epigenome-wide association study of maternal hemoglobin A1c in pregnancy and cord blood DNA methylation. *Epigenomics*, **2021**, 13, 203-218	4.4	3
170	DNA methylation of blood cells is associated with prevalent type 2 diabetes in a meta-analysis of four European cohorts. *Clinical Epigenetics*, **2021**, 13, 40	7.7	8

169	Placental DNA methylation signatures of maternal smoking during pregnancy and potential impacts on fetal growth. *Nature Communications*, **2021**, 12, 5095	17.4	5
168	Placental miR-3940-3p Is Associated With Maternal Insulin Resistance in Late Pregnancy. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 3526-3535	5.6	0
167	Early-pregnancy maternal body mass index is associated with common DNA methylation markers in cord blood and placenta: a paired-tissue epigenome-wide association study. *Epigenetics*, **2021**, 1-11	5.7	0
166	Physiological subtypes of gestational glucose intolerance and risk of adverse pregnancy outcomes. *American Journal of Obstetrics and Gynecology*, **2021**,	6.4	2
165	Residential PM exposure and the nasal methylome in children. *Environment International*, **2021**, 153, 106505	12.9	3
164	Sustainable food systems and nutrition in the 21st century: A report from the 22nd annual harvard nutrition obesity symposium. *American Journal of Clinical Nutrition*, **2021**,	7	5
163	Early pregnancy essential and non-essential metal mixtures and gestational glucose concentrations in the 2nd trimester: Results from project viva. *Environment International*, **2021**, 155, 106690	12.9	2
162	Associations of maternal insulin resistance during pregnancy and offspring inflammation at birth and at 5 years of age: A prospective study in the Gen3G cohort. *Cytokine*, **2021**, 146, 155636	4	
161	Associations between an integrated component of maternal glycemic regulation in pregnancy and cord blood DNA methylation. *Epigenomics*, **2021**, 13, 1459-1472	4.4	0
160	Early pregnancy exposure to metal mixture and birth outcomes - A prospective study in Project Viva. *Environment International*, **2021**, 156, 106714	12.9	6
159	Temporal trends of concentrations of per- and polyfluoroalkyl substances among adults with overweight and obesity in the United States: Results from the Diabetes Prevention Program and NHANES. *Environment International*, **2021**, 157, 106789	12.9	2
158	Early life exposure to greenness and executive function and behavior: An application of inverse probability weighting of marginal structural models. *Environmental Pollution*, **2021**, 291, 118208	9.3	3
157	DNA methylation changes associated with prenatal mercury exposure: A meta-analysis of prospective cohort studies from PACE consortium. *Environmental Research*, **2021**, 204, 112093	7.9	1
156	A prospective study of maternal adiposity and glycemic traits across pregnancy and mid-childhood metabolomic profiles. *International Journal of Obesity*, **2021**, 45, 860-869	5.5	2
155	DNA methylation mediates the association between breastfeeding and early-life growth trajectories.. *Clinical Epigenetics*, **2021**, 13, 231	7.7	5
154	Associations of Early Parental Concerns and Feeding Behaviors with Child Diet Quality through Mid-Childhood. *Nutrients*, **2020**, 12,	6.7	2
153	Precision medicine in diabetes: a Consensus Report from the American Diabetes Association (ADA) and the European Association for the Study of Diabetes (EASD). *Diabetologia*, **2020**, 63, 1671-1693	10.3	33
152	Precision Medicine in Diabetes: A Consensus Report From the American Diabetes Association (ADA) and the European Association for the Study of Diabetes (EASD). *Diabetes Care*, **2020**, 43, 1617-1635	14.6	75

151	Early life exposure to green space and insulin resistance: An assessment from infancy to early adolescence. *Environment International*, **2020**, 142, 105849	12.9	8
150	Pregnancy Per- and Polyfluoroalkyl Substance Concentrations and Postpartum Health in Project Viva: A Prospective Cohort. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	8
149	Per- and polyfluoroalkyl substances and blood pressure in pre-diabetic adults-cross-sectional and longitudinal analyses of the diabetes prevention program outcomes study. *Environment International*, **2020**, 137, 105573	12.9	13
148	Interplay of Placental DNA Methylation and Maternal Insulin Sensitivity in Pregnancy. *Diabetes*, **2020**, 69, 484-492	0.9	14
147	Dietary characteristics associated with plasma concentrations of per- and polyfluoroalkyl substances among adults with pre-diabetes: Cross-sectional results from the Diabetes Prevention Program Trial. *Environment International*, **2020**, 137, 105217	12.9	17
146	Mediation Analysis Supports a Causal Relationship between Maternal Hyperglycemia and Placental DNA Methylation Variations at the Leptin Gene Locus and Cord Blood Leptin Levels. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
145	Longitudinal Changes in the Relationship Between Hemoglobin A1c and Glucose Tolerance Across Pregnancy and Postpartum. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	10
144	Characterization of longitudinal wheeze phenotypes from infancy to adolescence in Project Viva, a prebirth cohort study. *Journal of Allergy and Clinical Immunology*, **2020**, 145, 716-719.e8	11.5	8
143	Associations of sleep duration, sedentary behaviours and energy expenditure with maternal glycemia in pregnancy. *Sleep Medicine*, **2020**, 65, 54-61	4.6	2
142	Associations of prenatal or infant exposure to acetaminophen or ibuprofen with mid-childhood executive function and behaviour. *Paediatric and Perinatal Epidemiology*, **2020**, 34, 287-298	2.7	8
141	Metabolomic Profiles of Overweight/Obesity Phenotypes During Adolescence: A Cross-Sectional Study in Project Viva. *Obesity*, **2020**, 28, 379-387	8	14
140	DNA methylation at gene locus mediates the association between maternal total cholesterol changes in pregnancy and cord blood leptin levels. *Journal of Developmental Origins of Health and Disease*, **2020**, 11, 369-378	2.4	3
139	Evidence-Based Policy Making for Public Health Interventions in Cardiovascular Diseases: Formally Assessing the Feasibility of Clinical Trials. *Circulation: Cardiovascular Quality and Outcomes*, **2020**, 13, e006378	5.8	4
138	Placental Epigenome-Wide Association Study Identified Loci Associated with Childhood Adiposity at 3 Years of Age. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
137	A Prospective Investigation of Cesarean Birth with Total and Truncal Fat Mass in Early Adolescence. *Current Developments in Nutrition*, **2020**, 4, 1039-1039	0.4	78
136	Association of Genome-Wide Genetic Risk for Obesity with the Quality, Quantity, and Timing of Workplace Food Purchases. *Current Developments in Nutrition*, **2020**, 4, 1392-1392	0.4	78
135	Gut Microbiome Composition Is Associated with Blood Pressure in Mother-Child Pairs 5 Years After Birth. *Current Developments in Nutrition*, **2020**, 4, 1555-1555	0.4	1
134	DNA methylation and body mass index from birth to adolescence: meta-analyses of epigenome-wide association studies. *Genome Medicine*, **2020**, 12, 105	14.4	15

133	Reaching women with obesity to support weight loss before pregnancy: feasibility and qualitative assessment. *Therapeutic Advances in Reproductive Health*, **2020**, 14, 2633494120909106	1.8	0
132	Polygenic risk score for obesity and the quality, quantity, and timing of workplace food purchases: A secondary analysis from the ChooseWell 365 randomized trial. *PLoS Medicine*, **2020**, 17, e1003219	11.6	7
131	Defining Heterogeneity Among Women With Gestational Diabetes Mellitus. *Diabetes*, **2020**, 69, 2064-2074	7.9	8
130	Maternal Gestational Diabetes Mellitus and Newborn DNA Methylation: Findings From the Pregnancy and Childhood Epigenetics Consortium. *Diabetes Care*, **2020**, 43, 98-105	14.6	45
129	Polygenic risk score for obesity and the quality, quantity, and timing of workplace food purchases: A secondary analysis from the ChooseWell 365 randomized trial **2020**, 17, e1003219		
128	Polygenic risk score for obesity and the quality, quantity, and timing of workplace food purchases: A secondary analysis from the ChooseWell 365 randomized trial **2020**, 17, e1003219		
127	Polygenic risk score for obesity and the quality, quantity, and timing of workplace food purchases: A secondary analysis from the ChooseWell 365 randomized trial **2020**, 17, e1003219		
126	Polygenic risk score for obesity and the quality, quantity, and timing of workplace food purchases: A secondary analysis from the ChooseWell 365 randomized trial **2020**, 17, e1003219		
125	Polygenic risk score for obesity and the quality, quantity, and timing of workplace food purchases: A secondary analysis from the ChooseWell 365 randomized trial **2020**, 17, e1003219		
124	Polygenic risk score for obesity and the quality, quantity, and timing of workplace food purchases: A secondary analysis from the ChooseWell 365 randomized trial **2020**, 17, e1003219		
123	A Polygenic Lipodystrophy Genetic Risk Score Characterizes Risk Independent of BMI in the Diabetes Prevention Program. *Journal of the Endocrine Society*, **2019**, 3, 1663-1677	0.4	6
122	Mediation by Placental DNA Methylation of the Association of Prenatal Maternal Smoking and Birth Weight. *American Journal of Epidemiology*, **2019**, 188, 1878-1886	3.8	25
121	Mendelian Randomization Analysis of Hemoglobin A as a Risk Factor for Coronary Artery Disease. *Diabetes Care*, **2019**, 42, 1202-1208	14.6	17
120	Hypertensive Disorders of Pregnancy and DNA Methylation in Newborns. *Hypertension*, **2019**, 74, 375-383	8.5	40
119	Per- and polyfluoroalkyl substances and blood lipid levels in pre-diabetic adults-longitudinal analysis of the diabetes prevention program outcomes study. *Environment International*, **2019**, 129, 343-353	12.9	42
118	An integrative cross-omics analysis of DNA methylation sites of glucose and insulin homeostasis. *Nature Communications*, **2019**, 10, 2581	17.4	31
117	Maternal and fetal genetic effects on birth weight and their relevance to cardio-metabolic risk factors. *Nature Genetics*, **2019**, 51, 804-814	36.3	181
116	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. *Nature Communications*, **2019**, 10, 1893	17.4	79

115	Associations of Prenatal and Postnatal Maternal Depressive Symptoms with Offspring Cognition and Behavior in Mid-Childhood: A Prospective Cohort Study. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	18
114	Locus-specific DNA methylation prediction in cord blood and placenta. *Epigenetics*, **2019**, 14, 405-420	5.7	8
113	Epigenetic age acceleration is associated with allergy and asthma in children in Project Viva. *Journal of Allergy and Clinical Immunology*, **2019**, 143, 2263-2270.e14	11.5	25
112	Self-Monitoring of Blood Glucose: A Complementary Method Beyond the Oral Glucose Tolerance Test to Identify Hyperglycemia During Pregnancy. *Canadian Journal of Diabetes*, **2019**, 43, 627-635	2.1	7
111	Primary Prevention of ASCVD and T2DM in Patients at Metabolic Risk: An Endocrine Society* Clinical Practice Guideline. *Journal of Clinical Endocrinology and Metabolism*, **2019**,	5.6	25
110	Associations of Perfluoroalkyl and Polyfluoroalkyl Substances With Incident Diabetes and Microvascular Disease. *Diabetes Care*, **2019**, 42, 1824-1832	14.6	30
109	The nasal methylome as a biomarker of asthma and airway inflammation in children. *Nature Communications*, **2019**, 10, 3095	17.4	72
108	Metabolic trajectories across early adolescence: differences by sex, weight, pubertal status and race/ethnicity. *Annals of Human Biology*, **2019**, 46, 205-214	1.7	10
107	Comparison of Illumina 450K and EPIC arrays in placental DNA methylation. *Epigenetics*, **2019**, 14, 1177-1182	5.7	4
106	Cardenas et al. Reply to "DNA Methylation and Prenatal Exposures". *American Journal of Epidemiology*, **2019**, 188, 1890-1891	3.8	
105	Calcifediol Decreases Interleukin-6 Secretion by Cultured Human Trophoblasts From GDM Pregnancies. *Journal of the Endocrine Society*, **2019**, 3, 2165-2178	0.4	8
104	SAT-123 Burden of Type 2 Diabetes Genetic Risk Alleles Differs Among Physiologic Subtypes of Gestational Diabetes Mellitus. *Journal of the Endocrine Society*, **2019**, 3,	0.4	4
103	354-OR: Physiologic Pathways in Pregnancy Glycemic Regulation Implicated through Genetic Clustering Analysis. *Diabetes*, **2019**, 68, 354-OR	0.9	1
102	Parental Obesity and Offspring Pubertal Development: Project Viva. *Journal of Pediatrics*, **2019**, 215, 123-131.e2	3.6	7
101	Timing of Complementary Feeding Introduction and Adiposity Throughout Childhood. *Pediatrics*, **2019**, 144,	7.4	17
100	Epigenome-Wide Association Study of Incident Type 2 Diabetes in a British Population: EPIC-Norfolk Study. *Diabetes*, **2019**, 68, 2315-2326	0.9	40
99	DNA Methylation and Type 2 Diabetes: the Use of Mendelian Randomization to Assess Causality. *Current Genetic Medicine Reports*, **2019**, 7, 191-207	2.2	5
98	Leptin trajectories from birth to mid-childhood and cardio-metabolic health in early adolescence. *Metabolism: Clinical and Experimental*, **2019**, 91, 30-38	12.7	12

97	Maternal corticotropin-releasing hormone is associated with LEP DNA methylation at birth and in childhood: an epigenome-wide study in Project Viva. *International Journal of Obesity*, **2019**, 43, 1244-1253	5.5	4
96	Maternal lipid profile differs by gestational diabetes physiologic subtype. *Metabolism: Clinical and Experimental*, **2019**, 91, 39-42	12.7	19
95	Patterns of body mass index milestones in early life and cardiometabolic risk in early adolescence. *International Journal of Epidemiology*, **2019**, 48, 157-167	7.8	23
94	Associations of prenatal exposure to impaired glucose tolerance with eating in the absence of hunger in early adolescence. *International Journal of Obesity*, **2019**, 43, 1903-1913	5.5	5
93	Genetic Ancestry Markers and Difference in A1c Between African American and White in the Diabetes Prevention Program. *Journal of Clinical Endocrinology and Metabolism*, **2019**, 104, 328-336	5.6	9
92	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. *Human Molecular Genetics*, **2018**, 27, 742-756	5.6	98
91	Branched Chain Amino Acids, Androgen Hormones, and Metabolic Risk Across Early Adolescence: A Prospective Study in Project Viva. *Obesity*, **2018**, 26, 916-926	8	23
90	Refining the accuracy of validated target identification through coding variant fine-mapping in type 2 diabetes. *Nature Genetics*, **2018**, 50, 559-571	36.3	221
89	Hypertensive Disorders of Pregnancy and Offspring Cardiometabolic Health at Midchildhood: Project Viva Findings. *Journal of the American Heart Association*, **2018**, 7,	6	17
88	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. *International Journal of Epidemiology*, **2018**, 47, 22-23u	7.8	62
87	Impact of Genetic Determinants of HbA1c on Type 2 Diabetes Risk and Diagnosis. *Current Diabetes Reports*, **2018**, 18, 52	5.6	9
86	Placental surface area mediates the association between methylation in placenta and full-term low birth weight in girls. *Clinical Epigenetics*, **2018**, 10, 39	7.7	6
85	Placental DNA Methylation Adaptation to Maternal Glycemic Response in Pregnancy. *Diabetes*, **2018**, 67, 1673-1683	0.9	29
84	Maternal alcohol consumption and offspring DNA methylation: findings from six general population-based birth cohorts. *Epigenomics*, **2018**, 10, 27-42	4.4	43
83	Mid-Pregnancy Fructosamine Measurement-Predictive Value for Gestational Diabetes and Association with Postpartum Glycemic Indices. *Nutrients*, **2018**, 10,	6.7	3
82	Association of Weight for Length vs Body Mass Index During the First 2 Years of Life With Cardiometabolic Risk in Early Adolescence. *JAMA Network Open*, **2018**, 1, e182460	10.4	16
81	Genetic Determinants of Glycemic Traits and the Risk of Gestational Diabetes Mellitus. *Diabetes*, **2018**, 67, 2703-2709	0.9	17
80	Supporting healthful lifestyles during pregnancy: a health coach intervention pilot study. *BMC Pregnancy and Childbirth*, **2018**, 18, 375	3.2	11

79	Associations of Gestational Glucose Tolerance With Offspring Body Composition and Estimated Insulin Resistance in Early Adolescence. *Diabetes Care*, **2018**, 41, e164-e166	14.6	13
78	Comparison of novel and existing methods for detecting differentially methylated regions. *BMC Genetics*, **2018**, 19, 84	2.6	7
77	Association of Perfluoroalkyl and Polyfluoroalkyl Substances With Adiposity. *JAMA Network Open*, **2018**, 1, e181493	10.4	38
76	Early-Life Exposures and Risk of Diabetes Mellitus and Obesity. *Current Diabetes Reports*, **2018**, 18, 89	5.6	10
75	Pre-, Perinatal, and Parental Predictors of Body Mass Index Trajectory Milestones. *Journal of Pediatrics*, **2018**, 201, 69-77.e8	3.6	22
74	First and second trimester gestational weight gains are most strongly associated with cord blood levels of hormones at delivery important for glycemic control and somatic growth. *Metabolism: Clinical and Experimental*, **2017**, 69, 112-119	12.7	27
73	Tissue differences in DNA methylation changes at AHRR in full term low birth weight in maternal blood, placenta and cord blood in Chinese. *Placenta*, **2017**, 52, 49-57	3.4	8
72	Training Health Professionals to Deliver Healthy Living Medicine. *Progress in Cardiovascular Diseases*, **2017**, 59, 471-478	8.5	9
71	Placental lipoprotein lipase DNA methylation alterations are associated with gestational diabetes and body composition at 5 years of age. *Epigenetics*, **2017**, 12, 616-625	5.7	23
70	Associations of maternal prenatal smoking with umbilical cord blood hormones: the Project Viva cohort. *Metabolism: Clinical and Experimental*, **2017**, 72, 18-26	12.7	9
69	Persistent DNA methylation changes associated with prenatal mercury exposure and cognitive performance during childhood. *Scientific Reports*, **2017**, 7, 288	4.9	71
68	Genetic determinants of adiponectin regulation revealed by pregnancy. *Obesity*, **2017**, 25, 935-944	8	6
67	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. *PLoS Medicine*, **2017**, 14, e1002383	11.6	223
66	Cord blood DNA methylation and adiposity measures in early and mid-childhood. *Clinical Epigenetics*, **2017**, 9, 86	7.7	11
65	Plasma Concentrations of Per- and Polyfluoroalkyl Substances at Baseline and Associations with Glycemic Indicators and Diabetes Incidence among High-Risk Adults in the Diabetes Prevention Program Trial. *Environmental Health Perspectives*, **2017**, 125, 107001	8.4	64
64	Prenatal Exposure to Mercury: Associations with Global DNA Methylation and Hydroxymethylation in Cord Blood and in Childhood. *Environmental Health Perspectives*, **2017**, 125, 087022	8.4	43
63	Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. *Human Molecular Genetics*, **2017**, 26, 4067-4085	5.6	151
62	HNF1 defect influences post-prandial lipid regulation. *PLoS ONE*, **2017**, 12, e0177110	3.7	7

61	PPARGC1 gene DNA methylation variations in human placenta mediate the link between maternal hyperglycemia and leptin levels in newborns. *Clinical Epigenetics*, **2016**, 8, 72	7.7	50
60	Peripheral Blood Transcriptomic Signatures of Fasting Glucose and Insulin Concentrations. *Diabetes*, **2016**, 65, 3794-3804	0.9	18
59	Greater early and mid-pregnancy gestational weight gains are associated with excess adiposity in mid-childhood. *Obesity*, **2016**, 24, 1546-53	8	48
58	Genetics of Glucose regulation in Gestation and Growth (Gen3G): a prospective prebirth cohort of mother-child pairs in Sherbrooke, Canada. *BMJ Open*, **2016**, 6, e010031	3	42
57	A qualitative study of gestational weight gain goal setting. *BMC Pregnancy and Childbirth*, **2016**, 16, 317	3.2	14
56	Developmental programming: State-of-the-science and future directions-Summary from a Pennington Biomedical symposium. *Obesity*, **2016**, 24, 1018-26	8	32
55	Higher maternal leptin levels at second trimester are associated with subsequent greater gestational weight gain in late pregnancy. *BMC Pregnancy and Childbirth*, **2016**, 16, 62	3.2	29
54	funtooNorm: an R package for normalization of DNA methylation data when there are multiple cell or tissue types. *Bioinformatics*, **2016**, 32, 593-5	7.2	17
53	Trans-ethnic Meta-analysis and Functional Annotation Illuminates the Genetic Architecture of Fasting Glucose and Insulin. *American Journal of Human Genetics*, **2016**, 99, 56-75	11	41
52	Lifestyle and Metformin Ameliorate Insulin Sensitivity Independently of the Genetic Burden of Established Insulin Resistance Variants in Diabetes Prevention Program Participants. *Diabetes*, **2016**, 65, 520-6	0.9	27
51	Genetic Evidence for Causal Relationships Between Maternal Obesity-Related Traits and Birth Weight. *JAMA - Journal of the American Medical Association*, **2016**, 315, 1129-40	27.4	149
50	Who will deliver comprehensive healthy lifestyle interventions to combat non-communicable disease? Introducing the healthy lifestyle practitioner discipline. *Expert Review of Cardiovascular Therapy*, **2016**, 14, 15-22	2.5	30
49	Birth weight-for-gestational age is associated with DNA methylation at birth and in childhood. *Clinical Epigenetics*, **2016**, 8, 118	7.7	43
48	DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. *American Journal of Human Genetics*, **2016**, 98, 680-96	11	489
47	Heterogeneous Contribution of Insulin Sensitivity and Secretion Defects to Gestational Diabetes Mellitus. *Diabetes Care*, **2016**, 39, 1052-5	14.6	93
46	Timing of Excessive Weight Gain During Pregnancy Modulates Newborn Anthropometry. *Journal of Obstetrics and Gynaecology Canada*, **2016**, 38, 108-17	1.3	19
45	Medical Training to Achieve Competency in Lifestyle Counseling: An Essential Foundation for Prevention and Treatment of Cardiovascular Diseases and Other Chronic Medical Conditions: A Scientific Statement From the American Heart Association. *Circulation*, **2016**, 134, e308-e327	16.7	57
44	Validation of a DNA methylation reference panel for the estimation of nucleated cells types in cord blood. *Epigenetics*, **2016**, 11, 773-779	5.7	37

43	Maternal inhaled fluticasone propionate intake during pregnancy is detected in neonatal cord blood. *Bioanalysis*, **2016**, 8, 1441-1450	2.1	2
42	Healthy Lifestyle Interventions to Combat Noncommunicable Disease—A Novel Nonhierarchical Connectivity Model for Key Stakeholders: A Policy Statement From the American Heart Association, European Society of Cardiology, European Association for Cardiovascular Prevention and Rehabilitation and American College of Preventive Medicine. *Mayo Clinic Proceedings*, **2015**, 90, 1082-103	6.4	59
41	Leptin and adiponectin DNA methylation levels in adipose tissues and blood cells are associated with BMI, waist girth and LDL-cholesterol levels in severely obese men and women. *BMC Medical Genetics*, **2015**, 16, 29	2.1	70
40	Preeclampsia is associated with an increased pro-inflammatory profile in newborns. *Journal of Reproductive Immunology*, **2015**, 112, 111-4	4.2	19
39	Examination of Pathways Linking Maternal Glycemia During Pregnancy and Increased Risk for Type 2 Diabetes in Offspring. *Canadian Journal of Diabetes*, **2015**, 39, 443-4	2.1	2
38	LRP1B, BRD2 and CACNA1D: new candidate genes in fetal metabolic programming of newborns exposed to maternal hyperglycemia. *Epigenomics*, **2015**, 7, 1111-22	4.4	19
37	Gestational diabetes mellitus identification based on self-monitoring of blood glucose. *Canadian Journal of Diabetes*, **2015**, 39, 162-8	2.1	9
36	The Obesity-Fertility Protocol: a randomized controlled trial assessing clinical outcomes and costs of a transferable interdisciplinary lifestyle intervention, before and during pregnancy, in obese infertile women. *BMC Obesity*, **2015**, 2, 47	3.6	12
35	Parent-of-Origin Effects of the APOB Gene on Adiposity in Young Adults. *PLoS Genetics*, **2015**, 11, e1005673	9	
34	New genetic loci link adipose and insulin biology to body fat distribution. *Nature*, **2015**, 518, 187-196	50.4	920
33	Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. *Nature Communications*, **2015**, 6, 5897	17.4	147
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1	Tissue-Specific Alteration of Metabolic Pathways Influences Glycemic Regulation		4