Romy Gaillard

List of Publications by Year
in descending order

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130 papers	4,357 citations	136950 32 h-index	123424 61 g-index
131 all docs	131 docs citations	131 times ranked	6242 citing authors

#	Article	IF	Citations
1	Risk factors and outcomes of maternal obesity and excessive weight gain during pregnancy. Obesity, 2013, 21, 1046-1055.	3.0	371
2	Association of Gestational Weight Gain With Adverse Maternal and Infant Outcomes. JAMA - Journal of the American Medical Association, 2019, 321, 1702.	7.4	344
3	Maternal body mass index, gestational weight gain, and the risk of overweight and obesity across childhood: An individual participant data meta-analysis. PLoS Medicine, 2019, 16, e1002744.	8.4	291
4	First trimester fetal growth restriction and cardiovascular risk factors in school age children: population based cohort study. BMJ, The, 2014, 348, g14-g14.	6.0	257
5	Childhood Cardiometabolic Outcomes of Maternal Obesity During Pregnancy. Hypertension, 2014, 63, 683-691.	2.7	222
6	Maternal obesity during pregnancy and cardiovascular development and disease in the offspring. European Journal of Epidemiology, 2015, 30, 1141-1152.	5.7	210
7	Associations of maternal obesity with blood pressure and the risks of gestational hypertensive disorders. The Generation R Study. Journal of Hypertension, 2011, 29, 937-944.	0.5	115
8	Influence of maternal obesity on the association between common pregnancy complications and risk of childhood obesity: an individual participant data meta-analysis. The Lancet Child and Adolescent Health, 2018, 2, 812-821.	5.6	93
9	BMI, total and abdominal fat distribution, and cardiovascular risk factors in school-age children. Pediatric Research, 2015, 77, 710-718.	2.3	87
10	Blood pressure tracking during pregnancy and the risk of gestational hypertensive disorders: The Generation R Study. European Heart Journal, 2011, 32, 3088-3097.	2.2	85
11	The LifeCycle Project-EU Child Cohort Network: a federated analysis infrastructure and harmonized data of more than 250,000 children and parents. European Journal of Epidemiology, 2020, 35, 709-724.	5.7	81
12	Fetal and Infant Growth Patterns Associated With Total and Abdominal Fat Distribution in School-Age Children. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 2557-2566.	3.6	79
13	Maternal plasma PUFA concentrations during pregnancy and childhood adiposity: the Generation R Study. American Journal of Clinical Nutrition, 2016, 103, 1017-1025.	4.7	79
14	Gestational weight gain charts for different body mass index groups for women in Europe, North America, and Oceania. BMC Medicine, 2018, 16, 201.	5.5	74
15	Maternal Early-Pregnancy Thyroid Function Is Associated With Subsequent Hypertensive Disorders of Pregnancy: The Generation R Study. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E2591-E2598.	3.6	71
16	Using Genetic Variation to Explore the Causal Effect of Maternal Pregnancy Adiposity on Future Offspring Adiposity: A Mendelian Randomisation Study. PLoS Medicine, 2017, 14, e1002221.	8.4	71
17	Placental Vascular Dysfunction, Fetal and Childhood Growth, and Cardiovascular Development. Circulation, 2013, 128, 2202-2210.	1.6	69
18	Maternal inflammation during pregnancy and childhood adiposity. Obesity, 2016, 24, 1320-1327.	3.0	64

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19	Childhood consequences of maternal obesity and excessive weight gain during pregnancy. Acta Obstetricia Et Gynecologica Scandinavica, 2014, 93, 1085-1089.	2.8	62
20	Risk Factors and Consequences of Maternal Anaemia and Elevated Haemoglobin Levels during Pregnancy: a Populationâ€Based Prospective Cohort Study. Paediatric and Perinatal Epidemiology, 2014, 28, 213-226.	1.7	62
21	Associations of maternal quitting, reducing, and continuing smoking during pregnancy with longitudinal fetal growth: Findings from Mendelian randomization and parental negative control studies. PLoS Medicine, 2019, 16, e1002972.	8.4	62
22	Maternal weight, gestational weight gain and preschool wheezing: the Generation R Study. European Respiratory Journal, 2013, 42, 1234-1243.	6.7	54
23	Tracking of fetal growth characteristics during different trimesters and the risks of adverse birth outcomes. International Journal of Epidemiology, 2014, 43, 1140-1153.	1.9	54
24	Changes in parental smoking during pregnancy and risks of adverse birth outcomes and childhood overweight in Europe and North America: An individual participant data meta-analysis of 229,000 singleton births. PLoS Medicine, 2020, 17, e1003182.	8.4	54
25	Second- and Third-Trimester Placental Hemodynamics and the Risks of Pregnancy Complications. American Journal of Epidemiology, 2013, 177, 743-754.	3.4	53
26	Body mass index, gestational weight gain and fatty acid concentrations during pregnancy: the Generation R Study. European Journal of Epidemiology, 2015, 30, 1175-1185.	5.7	48
27	Maternal Parity, Fetal and Childhood Growth, and Cardiometabolic Risk Factors. Hypertension, 2014, 64, 266-274.	2.7	46
28	General and abdominal fat outcomes in school-age children associated with infant breastfeeding patterns. American Journal of Clinical Nutrition, 2014, 99, 1351-1358.	4.7	45
29	Childhood Health Consequences of Maternal Obesity during Pregnancy: A Narrative Review. Annals of Nutrition and Metabolism, 2016, 69, 171-180.	1.9	45
30	High maternal early-pregnancy blood glucose levels are associated with altered fetal growth and increased risk of adverse birth outcomes. Diabetologia, 2019, 62, 1880-1890.	6.3	44
31	Individually customised fetal weight charts derived from ultrasound measurements: the Generation R Study. European Journal of Epidemiology, 2011, 26, 919-926.	5.7	40
32	Maternal dietary quality, inflammatory potential and childhood adiposity: an individual participant data pooled analysis of seven European cohorts in the ALPHABET consortium. BMC Medicine, 2021, 19, 33.	5.5	35
33	Growth Trajectories and Bone Mineral Density in Anti-Tissue Transglutaminase Antibodyâ€“positive Children: The Generation RÂStudy. Clinical Gastroenterology and Hepatology, 2015, 13, 913-920.e5.	4.4	33
34	Early pregnancy bisphenol and phthalate metabolite levels, maternal hemodynamics and gestational hypertensive disorders. Human Reproduction, 2019, 34, 365-373.	0.9	33
35	Associations of Maternal and Paternal Blood Pressure Patterns and Hypertensive Disorders during Pregnancy with Childhood Blood Pressure. Journal of the American Heart Association, 2016, 5, .	3.7	32
36	Retinal Microvasculature and Cardiovascular Health in Childhood. Pediatrics, 2015, 135, 678-685.	2.1	31

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37	Ethnic disparities in maternal obesity and weight gain during pregnancy. The Generation R Study. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2015, 193, 51-60.	1.1	30
38	Influence of Maternal Angiogenic Factors During Pregnancy on Microvascular Structure in School-Age Children. Hypertension, 2015, 65, 722-728.	2.7	30
39	Maternal caffeine intake during pregnancy, early growth, and body fat distribution at school age. Obesity, 2016, 24, 1170-1177.	3.0	30
40	Hemodynamic Adaptations in Different Trimesters Among Nulliparous and Multiparous Pregnant Women; The Generation R Study. American Journal of Hypertension, 2012, 25, 892-899.	2.0	28
41	Associations of parents' use of food as reward with children's eating behaviour and <scp>BMI</scp> in a populationâ€based cohort. Pediatric Obesity, 2020, 15, e12662.	2.8	28
42	Foetal and infant growth patterns, airway resistance and schoolâ€age asthma. Respirology, 2016, 21, 674-682.	2.3	27
43	Maternal body mass index, gestational weight gain, and childhood abdominal, pericardial, and liver fat assessed by magnetic resonance imaging. International Journal of Obesity, 2019, 43, 581-593.	3.4	26
44	Predictors and patterns of eating behaviors across childhood: Results from The Generation R study. Appetite, 2019, 141, 104295.	3.7	25
45	Liver Fat and Cardiometabolic Risk Factors Among Schoolâ€Age Children. Hepatology, 2020, 72, 119-129.	7.3	25
46	Associations of DASH Diet in Pregnancy With Blood Pressure Patterns, Placental Hemodynamics, and Gestational Hypertensive Disorders. Journal of the American Heart Association, 2021, 10, e017503.	3.7	23
47	Impact of birth parameters and early life growth patterns on retinal microvascular structure in children. Journal of Hypertension, 2015, 33, 1429-1437.	0.5	22
48	Mode of delivery and childhood fractional exhaled nitric oxide, interrupter resistance and asthma: the Generation R study. Pediatric Allergy and Immunology, 2015, 26, 330-336.	2.6	22
49	Maternal Age During Pregnancy Is Associated With Third Trimester Blood Pressure Level: The Generation R Study. American Journal of Hypertension, 2011, 24, 1046-1053.	2.0	21
50	Maternal thyroid function, prepregnancy obesity and gestational weight gainâ€”The Generation R Study: A prospective cohort study. Clinical Endocrinology, 2017, 87, 799-806.	2.4	21
51	Associations of maternal obesity and excessive weight gain during pregnancy with subcutaneous fat mass in infancy. Early Human Development, 2017, 108, 23-28.	1.8	19
52	Maternal Glycemic Dysregulation During Pregnancy and Neonatal Blood DNA Methylation: Meta-analyses of Epigenome-Wide Association Studies. Diabetes Care, 2022, 45, 614-623.	8.6	19
53	Influence of Maternal Gestational Hypertensive Disorders on Microvasculature in School-Age Children. American Journal of Epidemiology, 2016, 184, 605-615.	3.4	18
54	Associations of Infant Subcutaneous Fat Mass with Total and Abdominal Fat Mass at Schoolâ€Age: The Generation R Study. Paediatric and Perinatal Epidemiology, 2016, 30, 511-520.	1.7	17

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55	Lifestyle intervention strategies in early life to improve pregnancy outcomes and long-term health of offspring: a narrative review. Journal of Developmental Origins of Health and Disease, 2019, 10, 314-321.	1.4	17
56	Subcutaneous fat mass in infancy and cardiovascular risk factors at schoolâ€age: The generation <scp>R</scp> study. Obesity, 2016, 24, 424-429.	3.0	15
57	Second and third trimester fetal ultrasound population screening for risks of preterm birth and small-size and large-size for gestational age at birth: a population-based prospective cohort study. BMC Medicine, 2020, 18, 63.	5.5	15
58	Higher Maternal Plasma nâ€“3 PUFA and Lower nâ€“6 PUFA Concentrations in Pregnancy Are Associated with Lower Childhood Systolic Blood Pressure. Journal of Nutrition, 2015, 145, 2362-2368.	2.9	14
59	Associations of maternal caffeine intake during pregnancy with abdominal and liver fat deposition in childhood. Pediatric Obesity, 2020, 15, e12607.	2.8	14
60	Body Fat Distribution, Overweight, and Cardiac Structures in Schoolâ€Age Children: A Populationâ€Based Cardiac Magnetic Resonance Imaging Study. Journal of the American Heart Association, 2020, 9, e014933.	3.7	14
61	Maternal Glucose Concentrations in Early Pregnancy and Cardiometabolic Risk Factors in Childhood. Obesity, 2020, 28, 985-993.	3.0	14
62	Associations of maternal early-pregnancy blood glucose and insulin concentrations with DNA methylation in newborns. Clinical Epigenetics, 2020, 12, 134.	4.1	13
63	A population-based resource for intergenerational metabolomics analyses in pregnant women and their children: the Generation R Study. Metabolomics, 2020, 16, 43.	3.0	13
64	Associations Between Intake of Sugarâ€Containing Beverages in Infancy With Liver Fat Accumulation at School Age. Hepatology, 2021, 73, 560-570.	7.3	13
65	A three-dimensional atlas of childâ€™s cardiac anatomy and the unique morphological alterations associated with obesity. European Heart Journal Cardiovascular Imaging, 2022, 23, 1645-1653.	1.2	13
66	Assessment of Fetal Growth by Customized Growth Charts. Annals of Nutrition and Metabolism, 2014, 65, 149-155.	1.9	12
67	Tracking of structural and functional cardiac measures from infancy into school-age. European Journal of Preventive Cardiology, 2017, 24, 1408-1415.	1.8	12
68	Fetal Growth Trajectories Among Small for Gestational Age Babies and Child Neurodevelopment. Epidemiology, 2021, 32, 664-671.	2.7	12
69	Critical periods and growth patterns from fetal life onwards associated with childhood insulin levels. Diabetologia, 2017, 60, 81-88.	6.3	11
70	Fetal and infant growth patterns and left and right ventricular measures in childhood assessed by cardiac MRI. European Journal of Preventive Cardiology, 2020, 27, 63-74.	1.8	11
71	Maternal Body Mass Index, Early-Pregnancy Metabolite Profile, and Birthweight. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e315-e327.	3.6	11
72	Early origins of ethnic disparities in cardiovascular risk factors. Preventive Medicine, 2015, 76, 84-91.	3.4	10

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73	Psychological Distress and Weight Gain in Pregnancy: a Population-Based Study. International Journal of Behavioral Medicine, 2020, 27, 30-38.	1.7	10
74	Maternal early pregnancy dietary glycemic index and load, fetal growth, and the risk of adverse birth outcomes. European Journal of Nutrition, 2021, 60, 1301-1311.	3.9	10
75	Maternal Dietary Glycemic Index and Glycemic Load in Pregnancy and Offspring Cord Blood DNA Methylation. Diabetes Care, 2022, 45, 1822-1832.	8.6	10
76	Associations of Hair Cortisol Concentrations with General and Organ Fat Measures in Childhood. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e551-e561.	3.6	9
77	Maternal Earlyâ€Pregnancy Glucose Concentrations and Liver Fat Among Schoolâ€Age Children. Hepatology, 2021, 74, 1902-1913.	7.3	9
78	Maternal vomiting during early pregnancy and cardiovascular risk factors at school age: the Generation R Study. Journal of Developmental Origins of Health and Disease, 2020, 11, 118-126.	1.4	8
79	Maternal Iron Status in Early Pregnancy and Blood Pressure Throughout Pregnancy, Placental Hemodynamics, and the Risk of Gestational Hypertensive Disorders. Journal of Nutrition, 2022, 152, 525-534.	2.9	8
80	Maternal plasma nâ€3 and nâ€6 polyunsaturated fatty acid concentrations during pregnancy and subcutaneous fat mass in infancy. Obesity, 2016, 24, 1759-1766.	3.0	7
81	Third Trimester Fetal Cardiac Blood Flow and Cardiac Outcomes in Schoolâ€Age Children Assessed By Magnetic Resonance Imaging. Journal of the American Heart Association, 2019, 8, e012821.	3.7	7
82	Customized versus population birth weight charts for identification of newborns at risk of long-term adverse cardio-metabolic and respiratory outcomes: a population-based prospective cohort study. BMC Medicine, 2019, 17, 186.	5.5	7
83	Pericardial adipose tissue, cardiac structures, and cardiovascular risk factors in school-age children. European Heart Journal Cardiovascular Imaging, 2021, 22, 307-313.	1.2	7
84	Associations of maternal bisphenol urine concentrations during pregnancy with neonatal metabolomic profiles. Metabolomics, 2021, 17, 84.	3.0	7
85	Maternal polyunsaturated fatty acid concentrations during pregnancy and childhood liver fat accumulation. Clinical Nutrition, 2022, 41, 847-854.	5.0	7
86	Population screening for gestational hypertensive disorders using maternal, fetal and placental characteristics: A populationâ€based prospective cohort study. Prenatal Diagnosis, 2020, 40, 746-757.	2.3	6
87	Vitamin B12, folate and homocysteine concentrations during pregnancy and early signs of atherosclerosis at school-age. Clinical Nutrition, 2021, 40, 5133-5140.	5.0	6
88	LongITools: Dynamic longitudinal exposome trajectories in cardiovascular and metabolic noncommunicable diseases. Environmental Epidemiology, 2022, 6, e184.	3.0	6
89	Socioeconomic inequalities in placental vascular resistance: a prospective cohort study. Fertility and Sterility, 2014, 101, 1367-1374.e4.	1.0	5
90	Associations of Maternal Glycemia in the First Half of Pregnancy With Alterations in Cardiac Structure and Function in Childhood. Diabetes Care, 2020, 43, 2272-2280.	8.6	5

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91	Associations of Maternal Early-Pregnancy Glucose Concentrations With Placental Hemodynamics, Blood Pressure, and Gestational Hypertensive Disorders. American Journal of Hypertension, 2020, 33, 660-669.	2.0	5
92	The Cardiovascular Stress Response as Early Life Marker of Cardiovascular Health: Applications in Population-Based Pediatric Studiesâ€"A Narrative Review. Pediatric Cardiology, 2020, 41, 1739-1755.	1.3	4
93	Maternal First-Trimester Cow-Milk Intake Is Positively Associated with Childhood General and Abdominal Visceral Fat Mass and Lean Mass but Not with Other Cardiometabolic Risk Factors at the Age of 10 Years. Journal of Nutrition, 2021, 151, 1965-1975.	2.9	4
94	Infant weight growth patterns, childhood BMI, and arterial health at age 10 years. Obesity, 2022, 30, 770-778.	3.0	4
95	Preconception and early-pregnancy risk prediction for birth complications: development of prediction models within a population-based prospective cohort. BMC Pregnancy and Childbirth, 2022, 22, 165.	2.4	4
96	Associations of Fetal and Infant Growth Patterns With Early Markers of Arterial Health in School-Aged Children. JAMA Network Open, 2022, 5, e2219225.	5.9	4
97	Impact of maternal smoking during pregnancy on microvasculature in childhood. The Generation R Study. Early Human Development, 2015, 91, 607-611.	1.8	3
98	Fetal first trimester growth is not associated with kidney outcomes in childhood. Pediatric Nephrology, 2017, 32, 651-658.	1.7	3
99	Body fat, pericardial fat, liver fat and arterial health at age 10â€‰years. Pediatric Obesity, 2022, 17, e12926.	2.8	3
100	Ethnic differences in adverse iron status in early pregnancy: a cross-sectional population-based study. Journal of Nutritional Science, 2022, 11, .	1.9	3
101	Smoking cessation in early-pregnancy, gestational weight gain and subsequent risks of pregnancy complications. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2020, 253, 7-14.	1.1	2
102	Influence of genetic variants for birth weight on fetal growth and placental haemodynamics. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 393-398.	2.8	2
103	Associations of maternal early-pregnancy dietary glycemic index with childhood general, abdominal and ectopic fat accumulation. Clinical Nutrition, 2021, 40, 1628-1636.	5.0	2
104	First trimester fetal proportion volumetric measurements using a Virtual Reality approach. Prenatal Diagnosis, 2021, 41, 868-876.	2.3	2
105	Associations of maternal and infant metabolite profiles with foetal growth and the odds of adverse birth outcomes. Pediatric Obesity, 2021, , e12844.	2.8	2
106	Associations of dietary glycemic index and load during pregnancy with blood pressure, placental hemodynamic parameters and the risk of gestational hypertensive disorders. European Journal of Nutrition, 2022, 61, 703-716.	3.9	2
107	Influence of maternal vomiting during early pregnancy on schoolâ€age respiratory health. Pediatric Pulmonology, 2022, 57, 367-375.	2.0	2
108	Childhood Blood Pressure, Carotid Intima Media Thickness, and Distensibility After In Utero Exposure to Gestational Hypertensive Disorders. Journal of the American Heart Association, 2022, 11, e023163.	3.7	2

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109	Associations of maternal angiogenic factors during pregnancy with alterations in cardiac development in childhood at 10 years of age. American Heart Journal, 2022, 247, 100-111.	2.7	2
110	Authors' reply re: Associations of maternal prepregnancy body mass index and gestational weight gain with cardioâ€metabolic risk factors in adolescent offspring: a prospective cohort study. BJOG: an International Journal of Obstetrics and Gynaecology, 2016, 123, 2054-2055.	2.3	1
111	Associations of maternal age at the start of pregnancy with placental function throughout pregnancy: The Generation R Study. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2020, 251, 53-59.	1.1	1
112	Associations of maternal metabolic profile with placental and fetal cerebral and cardiac hemodynamics. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2021, 257, 51-58.	1.1	1
113	Tackling childhood obesity in low-socioeconomic status communities: what is the next step?. Lancet Diabetes and Endocrinology,the, 2021, 9, 320-321.	11.4	1
114	Maternal Obesity During Pregnancy and Cardiometabolic Development in the Offspring. , 2016, , 11-32.		1
115	Associations of maternal angiogenic factors during pregnancy with childhood carotid intima-media thickness and blood pressure. Atherosclerosis, 2021, 338, 46-54.	0.8	1
116	Innovative approach for firstâ€trimester fetal organ volume measurements using a Virtual Reality system: The Generation R Next Study. Journal of Obstetrics and Gynaecology Research, 2022, , .	1.3	1
117	Assessment of maternal blood pressure development during pregnancy. Journal of Hypertension, 2015, 33, 61-62.	0.5	0
118	Optimal Gestational Weight Gainâ€"Reply. JAMA - Journal of the American Medical Association, 2019, 322, 1107.	7.4	0
119	Is maternal obesity a risk factor for rare childhood cardiovascular diseases?. Lancet Diabetes and Endocrinology,the, 2020, 8, 552-553.	11.4	0
120	Ethnic differences in childhood right and left cardiac structure and function assessed by cardiac magnetic resonance imaging. European Journal of Pediatrics, 2021, 180, 1257-1266.	2.7	0
121	Prediction of Healthy Pregnancy Outcomes in Women with Overweight and Obesity: The Role of Maternal Early-Pregnancy Metabolites. Metabolites, 2022, 12, 13.	2.9	0
122	Title is missing!. , 2019, 16, e1002972.		0
123	Title is missing!. , 2019, 16, e1002972.		0
124	Title is missing!. , 2019, 16, e1002972.		0
125	Title is missing!. , 2020, 17, e1003182.		0
126	Title is missing!. , 2020, 17, e1003182.		0

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127	Title is missing!. , 2020, 17, e1003182.		0
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130	Title is missing!. , 2020, 17, e1003182.		0