

Romy Gaillard

List of Publications by Year in descending order

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Version: 2024-02-01

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	Maternal Body Mass Index, Early-Pregnancy Metabolite Profile, and Birthweight. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e315-e327.	3.6	11
2	Associations of dietary glycemic index and load during pregnancy with blood pressure, placental hemodynamic parameters and the risk of gestational hypertensive disorders. <i>European Journal of Nutrition</i> , 2022, 61, 703-716.	3.9	2
3	Maternal Iron Status in Early Pregnancy and Blood Pressure Throughout Pregnancy, Placental Hemodynamics, and the Risk of Gestational Hypertensive Disorders. <i>Journal of Nutrition</i> , 2022, 152, 525-534.	2.9	8
4	Influence of maternal vomiting during early pregnancy on school-age respiratory health. <i>Pediatric Pulmonology</i> , 2022, 57, 367-375.	2.0	2
5	Innovative approach for first-trimester fetal organ volume measurements using a Virtual Reality system: The Generation R Next Study. <i>Journal of Obstetrics and Gynaecology Research</i> , 2022, , .	1.3	1
6	Maternal Glycemic Dysregulation During Pregnancy and Neonatal Blood DNA Methylation: Meta-analyses of Epigenome-Wide Association Studies. <i>Diabetes Care</i> , 2022, 45, 614-623.	8.6	19
7	Childhood Blood Pressure, Carotid Intima Media Thickness, and Distensibility After In Utero Exposure to Gestational Hypertensive Disorders. <i>Journal of the American Heart Association</i> , 2022, 11, e023163.	3.7	2
8	Associations of maternal angiogenic factors during pregnancy with alterations in cardiac development in childhood at 10 years of age. <i>American Heart Journal</i> , 2022, 247, 100-111.	2.7	2
9	Infant weight growth patterns, childhood BMI, and arterial health at age 10 years. <i>Obesity</i> , 2022, 30, 770-778.	3.0	4
10	Preconception and early-pregnancy risk prediction for birth complications: development of prediction models within a population-based prospective cohort. <i>BMC Pregnancy and Childbirth</i> , 2022, 22, 165.	2.4	4
11	Maternal polyunsaturated fatty acid concentrations during pregnancy and childhood liver fat accumulation. <i>Clinical Nutrition</i> , 2022, 41, 847-854.	5.0	7
12	A three-dimensional atlas of child's cardiac anatomy and the unique morphological alterations associated with obesity. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1645-1653.	1.2	13
13	Prediction of Healthy Pregnancy Outcomes in Women with Overweight and Obesity: The Role of Maternal Early-Pregnancy Metabolites. <i>Metabolites</i> , 2022, 12, 13.	2.9	0
14	LongITools: Dynamic longitudinal exposome trajectories in cardiovascular and metabolic noncommunicable diseases. <i>Environmental Epidemiology</i> , 2022, 6, e184.	3.0	6
15	Body fat, pericardial fat, liver fat and arterial health at age 10 years. <i>Pediatric Obesity</i> , 2022, 17, e12926.	2.8	3
16	Ethnic differences in adverse iron status in early pregnancy: a cross-sectional population-based study. <i>Journal of Nutritional Science</i> , 2022, 11, .	1.9	3
17	Maternal Dietary Glycemic Index and Glycemic Load in Pregnancy and Offspring Cord Blood DNA Methylation. <i>Diabetes Care</i> , 2022, 45, 1822-1832.	8.6	10
18	Associations of Fetal and Infant Growth Patterns With Early Markers of Arterial Health in School-Aged Children. <i>JAMA Network Open</i> , 2022, 5, e2219225.	5.9	4

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19	Pericardial adipose tissue, cardiac structures, and cardiovascular risk factors in school-age children. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 307-313.	1.2	7
20	Maternal early pregnancy dietary glycemic index and load, fetal growth, and the risk of adverse birth outcomes. <i>European Journal of Nutrition</i> , 2021, 60, 1301-1311.	3.9	10
21	Ethnic differences in childhood right and left cardiac structure and function assessed by cardiac magnetic resonance imaging. <i>European Journal of Pediatrics</i> , 2021, 180, 1257-1266.	2.7	0
22	Associations of maternal metabolic profile with placental and fetal cerebral and cardiac hemodynamics. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2021, 257, 51-58.	1.1	1
23	Associations of Hair Cortisol Concentrations with General and Organ Fat Measures in Childhood. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e551-e561.	3.6	9
24	Associations Between Intake of Sugar-Containing Beverages in Infancy With Liver Fat Accumulation at School Age. <i>Hepatology</i> , 2021, 73, 560-570.	7.3	13
25	Associations of DASH Diet in Pregnancy With Blood Pressure Patterns, Placental Hemodynamics, and Gestational Hypertensive Disorders. <i>Journal of the American Heart Association</i> , 2021, 10, e017503.	3.7	23
26	Maternal dietary quality, inflammatory potential and childhood adiposity: an individual participant data pooled analysis of seven European cohorts in the ALPHABET consortium. <i>BMC Medicine</i> , 2021, 19, 33.	5.5	35
27	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. <i>Journal of Nutrition</i> , 2021, 151, 1965-1975.	2.9	4
28	Associations of maternal early-pregnancy dietary glycemic index with childhood general, abdominal and ectopic fat accumulation. <i>Clinical Nutrition</i> , 2021, 40, 1628-1636.	5.0	2
29	First trimester fetal proportion volumetric measurements using a Virtual Reality approach. <i>Prenatal Diagnosis</i> , 2021, 41, 868-876.	2.3	2
30	Tackling childhood obesity in low-socioeconomic status communities: what is the next step?. <i>Lancet Diabetes and Endocrinology</i> , 2021, 9, 320-321.	11.4	1
31	Fetal Growth Trajectories Among Small for Gestational Age Babies and Child Neurodevelopment. <i>Epidemiology</i> , 2021, 32, 664-671.	2.7	12
32	Maternal Early Pregnancy Glucose Concentrations and Liver Fat Among School-Age Children. <i>Hepatology</i> , 2021, 74, 1902-1913.	7.3	9
33	Associations of maternal and infant metabolite profiles with foetal growth and the odds of adverse birth outcomes. <i>Pediatric Obesity</i> , 2021, , e12844.	2.8	2
34	Vitamin B12, folate and homocysteine concentrations during pregnancy and early signs of atherosclerosis at school-age. <i>Clinical Nutrition</i> , 2021, 40, 5133-5140.	5.0	6
35	Associations of maternal bisphenol urine concentrations during pregnancy with neonatal metabolomic profiles. <i>Metabolomics</i> , 2021, 17, 84.	3.0	7
36	Associations of maternal angiogenic factors during pregnancy with childhood carotid intima-media thickness and blood pressure. <i>Atherosclerosis</i> , 2021, 338, 46-54.	0.8	1

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37	Fetal and infant growth patterns and left and right ventricular measures in childhood assessed by cardiac MRI. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 63-74.	1.8	11
38	Maternal vomiting during early pregnancy and cardiovascular risk factors at school age: the Generation R Study. <i>Journal of Developmental Origins of Health and Disease</i> , 2020, 11, 118-126.	1.4	8
39	Liver Fat and Cardiometabolic Risk Factors Among Schoolâ€Age Children. <i>Hepatology</i> , 2020, 72, 119-129.	7.3	25
40	Psychological Distress and Weight Gain in Pregnancy: a Population-Based Study. <i>International Journal of Behavioral Medicine</i> , 2020, 27, 30-38.	1.7	10
41	Associations of maternal caffeine intake during pregnancy with abdominal and liver fat deposition in childhood. <i>Pediatric Obesity</i> , 2020, 15, e12607.	2.8	14
42	Associations of maternal age at the start of pregnancy with placental function throughout pregnancy: The Generation R Study. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2020, 251, 53-59.	1.1	1
43	Associations of Maternal Glycemia in the First Half of Pregnancy With Alterations in Cardiac Structure and Function in Childhood. <i>Diabetes Care</i> , 2020, 43, 2272-2280.	8.6	5
44	Is maternal obesity a risk factor for rare childhood cardiovascular diseases?. <i>Lancet Diabetes and Endocrinology</i> , 2020, 8, 552-553.	11.4	0
45	The LifeCycle Project-EU Child Cohort Network: a federated analysis infrastructure and harmonized data of more than 250,000 children and parents. <i>European Journal of Epidemiology</i> , 2020, 35, 709-724.	5.7	81
46	Smoking cessation in early-pregnancy, gestational weight gain and subsequent risks of pregnancy complications. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2020, 253, 7-14.	1.1	2
47	The Cardiovascular Stress Response as Early Life Marker of Cardiovascular Health: Applications in Population-Based Pediatric Studiesâ€A Narrative Review. <i>Pediatric Cardiology</i> , 2020, 41, 1739-1755.	1.3	4
48	Associations of maternal early-pregnancy blood glucose and insulin concentrations with DNA methylation in newborns. <i>Clinical Epigenetics</i> , 2020, 12, 134.	4.1	13
49	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. <i>PLoS Medicine</i> , 2020, 17, e1003182.	8.4	54
50	Body Fat Distribution, Overweight, and Cardiac Structures in Schoolâ€Age Children: A Populationâ€Based Cardiac Magnetic Resonance Imaging Study. <i>Journal of the American Heart Association</i> , 2020, 9, e014933.	3.7	14
51	Associations of parents' use of food as reward with children's eating behaviour and <scp>BMI</scp> in a populationâ€based cohort. <i>Pediatric Obesity</i> , 2020, 15, e12662.	2.8	28
52	Influence of genetic variants for birth weight on fetal growth and placental haemodynamics. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 393-398.	2.8	2
53	Population screening for gestational hypertensive disorders using maternal, fetal and placental characteristics: A populationâ€based prospective cohort study. <i>Prenatal Diagnosis</i> , 2020, 40, 746-757.	2.3	6
54	A population-based resource for intergenerational metabolomics analyses in pregnant women and their children: the Generation R Study. <i>Metabolomics</i> , 2020, 16, 43.	3.0	13

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55	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
56	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
57	Maternal Glucose Concentrations in Early Pregnancy and Cardiometabolic Risk Factors in Childhood. Obesity, 2020, 28, 985-993.	3.0	14
58	Title is missing!. , 2020, 17, e1003182.		0
59	Title is missing!. , 2020, 17, e1003182.		0
60	Title is missing!. , 2020, 17, e1003182.		0
61	Title is missing!. , 2020, 17, e1003182.		0
62	Title is missing!. , 2020, 17, e1003182.		0
63	Title is missing!. , 2020, 17, e1003182.		0
64	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
65	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
66	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
67	Optimal Gestational Weight Gainâ€­Reply. JAMA - Journal of the American Medical Association, 2019, 322, 1107.	7.4	0
68	Predictors and patterns of eating behaviors across childhood: Results from The Generation R study. Appetite, 2019, 141, 104295.	3.7	25
69	Association of Gestational Weight Gain With Adverse Maternal and Infant Outcomes. JAMA - Journal of the American Medical Association, 2019, 321, 1702.	7.4	344
70	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
71	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
72	Early pregnancy bisphenol and phthalate metabolite levels, maternal hemodynamics and gestational hypertensive disorders. Human Reproduction, 2019, 34, 365-373.	0.9	33

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73	Lifestyle intervention strategies in early life to improve pregnancy outcomes and long-term health of offspring: a narrative review. <i>Journal of Developmental Origins of Health and Disease</i> , 2019, 10, 314-321.	1.4	17
74	Maternal body mass index, gestational weight gain, and childhood abdominal, pericardial, and liver fat assessed by magnetic resonance imaging. <i>International Journal of Obesity</i> , 2019, 43, 581-593.	3.4	26
75	Title is missing!. , 2019, 16, e1002972.		0
76	Title is missing!. , 2019, 16, e1002972.		0
77	Title is missing!. , 2019, 16, e1002972.		0
78	Gestational weight gain charts for different body mass index groups for women in Europe, North America, and Oceania. <i>BMC Medicine</i> , 2018, 16, 201.	5.5	74
79	Influence of maternal obesity on the association between common pregnancy complications and risk of childhood obesity: an individual participant data meta-analysis. <i>The Lancet Child and Adolescent Health</i> , 2018, 2, 812-821.	5.6	93
80	Tracking of structural and functional cardiac measures from infancy into school-age. <i>European Journal of Preventive Cardiology</i> , 2017, 24, 1408-1415.	1.8	12
81	Associations of maternal obesity and excessive weight gain during pregnancy with subcutaneous fat mass in infancy. <i>Early Human Development</i> , 2017, 108, 23-28.	1.8	19
82	Critical periods and growth patterns from fetal life onwards associated with childhood insulin levels. <i>Diabetologia</i> , 2017, 60, 81-88.	6.3	11
83	Maternal thyroid function, prepregnancy obesity and gestational weight gainâ€”The Generation R Study: A prospective cohort study. <i>Clinical Endocrinology</i> , 2017, 87, 799-806.	2.4	21
84	Fetal first trimester growth is not associated with kidney outcomes in childhood. <i>Pediatric Nephrology</i> , 2017, 32, 651-658.	1.7	3
85	Using Genetic Variation to Explore the Causal Effect of Maternal Pregnancy Adiposity on Future Offspring Adiposity: A Mendelian Randomisation Study. <i>PLoS Medicine</i> , 2017, 14, e1002221.	8.4	71
86	Subcutaneous fat mass in infancy and cardiovascular risk factors at schoolâ€”age: The generation <sc>R</sc> study. <i>Obesity</i> , 2016, 24, 424-429.	3.0	15
87	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. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2016, 123, 2054-2055.	2.3	1
88	Maternal plasma nâ€”3 and nâ€”6 polyunsaturated fatty acid concentrations during pregnancy and subcutaneous fat mass in infancy. <i>Obesity</i> , 2016, 24, 1759-1766.	3.0	7
89	Foetal and infant growth patterns, airway resistance and schoolâ€”age asthma. <i>Respirology</i> , 2016, 21, 674-682.	2.3	27
90	Maternal inflammation during pregnancy and childhood adiposity. <i>Obesity</i> , 2016, 24, 1320-1327.	3.0	64

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91	Influence of Maternal Gestational Hypertensive Disorders on Microvasculature in School-Age Children. <i>American Journal of Epidemiology</i> , 2016, 184, 605-615.	3.4	18
92	Associations of Maternal and Paternal Blood Pressure Patterns and Hypertensive Disorders during Pregnancy with Childhood Blood Pressure. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	32
93	Childhood Health Consequences of Maternal Obesity during Pregnancy: A Narrative Review. <i>Annals of Nutrition and Metabolism</i> , 2016, 69, 171-180.	1.9	45
94	Associations of Infant Subcutaneous Fat Mass with Total and Abdominal Fat Mass at School Age: The Generation R Study. <i>Paediatric and Perinatal Epidemiology</i> , 2016, 30, 511-520.	1.7	17
95	Maternal caffeine intake during pregnancy, early growth, and body fat distribution at school age. <i>Obesity</i> , 2016, 24, 1170-1177.	3.0	30
96	Maternal plasma PUFA concentrations during pregnancy and childhood adiposity: the Generation R Study. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 1017-1025.	4.7	79
97	Maternal Obesity During Pregnancy and Cardiometabolic Development in the Offspring. , 2016, , 11-32.		1
98	Body mass index, gestational weight gain and fatty acid concentrations during pregnancy: the Generation R Study. <i>European Journal of Epidemiology</i> , 2015, 30, 1175-1185.	5.7	48
99	Impact of birth parameters and early life growth patterns on retinal microvascular structure in children. <i>Journal of Hypertension</i> , 2015, 33, 1429-1437.	0.5	22
100	Mode of delivery and childhood fractional exhaled nitric oxide, interrupter resistance and asthma: the Generation R study. <i>Pediatric Allergy and Immunology</i> , 2015, 26, 330-336.	2.6	22
101	Retinal Microvasculature and Cardiovascular Health in Childhood. <i>Pediatrics</i> , 2015, 135, 678-685.	2.1	31
102	BMI, total and abdominal fat distribution, and cardiovascular risk factors in school-age children. <i>Pediatric Research</i> , 2015, 77, 710-718.	2.3	87
103	Ethnic disparities in maternal obesity and weight gain during pregnancy. The Generation R Study. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2015, 193, 51-60.	1.1	30
104	Early origins of ethnic disparities in cardiovascular risk factors. <i>Preventive Medicine</i> , 2015, 76, 84-91.	3.4	10
105	Growth Trajectories and Bone Mineral Density in Anti-Tissue Transglutaminase Antibodyâ€‘positive Children: The Generation R Study. <i>Clinical Gastroenterology and Hepatology</i> , 2015, 13, 913-920.e5.	4.4	33
106	Assessment of maternal blood pressure development during pregnancy. <i>Journal of Hypertension</i> , 2015, 33, 61-62.	0.5	0
107	Maternal obesity during pregnancy and cardiovascular development and disease in the offspring. <i>European Journal of Epidemiology</i> , 2015, 30, 1141-1152.	5.7	210
108	Higher Maternal Plasma nâ€‘3 PUFA and Lower nâ€‘6 PUFA Concentrations in Pregnancy Are Associated with Lower Childhood Systolic Blood Pressure. <i>Journal of Nutrition</i> , 2015, 145, 2362-2368.	2.9	14

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109	Influence of Maternal Angiogenic Factors During Pregnancy on Microvascular Structure in School-Age Children. <i>Hypertension</i> , 2015, 65, 722-728.	2.7	30
110	Impact of maternal smoking during pregnancy on microvasculature in childhood. The Generation R Study. <i>Early Human Development</i> , 2015, 91, 607-611.	1.8	3
111	Tracking of fetal growth characteristics during different trimesters and the risks of adverse birth outcomes. <i>International Journal of Epidemiology</i> , 2014, 43, 1140-1153.	1.9	54
112	First trimester fetal growth restriction and cardiovascular risk factors in school age children: population based cohort study. <i>BMJ</i> , The, 2014, 348, g14-g14.	6.0	257
113	Maternal Early-Pregnancy Thyroid Function Is Associated With Subsequent Hypertensive Disorders of Pregnancy: The Generation R Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E2591-E2598.	3.6	71
114	Assessment of Fetal Growth by Customized Growth Charts. <i>Annals of Nutrition and Metabolism</i> , 2014, 65, 149-155.	1.9	12
115	Fetal and Infant Growth Patterns Associated With Total and Abdominal Fat Distribution in School-Age Children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 2557-2566.	3.6	79
116	General and abdominal fat outcomes in school-age children associated with infant breastfeeding patterns. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 1351-1358.	4.7	45
117	Childhood consequences of maternal obesity and excessive weight gain during pregnancy. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2014, 93, 1085-1089.	2.8	62
118	Socioeconomic inequalities in placental vascular resistance: a prospective cohort study. <i>Fertility and Sterility</i> , 2014, 101, 1367-1374.e4.	1.0	5
119	Risk Factors and Consequences of Maternal Anaemia and Elevated Haemoglobin Levels during Pregnancy: a Population-Based Prospective Cohort Study. <i>Paediatric and Perinatal Epidemiology</i> , 2014, 28, 213-226.	1.7	62
120	Childhood Cardiometabolic Outcomes of Maternal Obesity During Pregnancy. <i>Hypertension</i> , 2014, 63, 683-691.	2.7	222
121	Maternal Parity, Fetal and Childhood Growth, and Cardiometabolic Risk Factors. <i>Hypertension</i> , 2014, 64, 266-274.	2.7	46
122	Placental Vascular Dysfunction, Fetal and Childhood Growth, and Cardiovascular Development. <i>Circulation</i> , 2013, 128, 2202-2210.	1.6	69
123	Maternal weight, gestational weight gain and preschool wheezing: the Generation R Study. <i>European Respiratory Journal</i> , 2013, 42, 1234-1243.	6.7	54
124	Risk factors and outcomes of maternal obesity and excessive weight gain during pregnancy. <i>Obesity</i> , 2013, 21, 1046-1055.	3.0	371
125	Second- and Third-Trimester Placental Hemodynamics and the Risks of Pregnancy Complications. <i>American Journal of Epidemiology</i> , 2013, 177, 743-754.	3.4	53
126	Hemodynamic Adaptations in Different Trimesters Among Nulliparous and Multiparous Pregnant Women; The Generation R Study. <i>American Journal of Hypertension</i> , 2012, 25, 892-899.	2.0	28

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127	Associations of maternal obesity with blood pressure and the risks of gestational hypertensive disorders. The Generation R Study. <i>Journal of Hypertension</i> , 2011, 29, 937-944.	0.5	115
128	Individually customised fetal weight charts derived from ultrasound measurements: the Generation R Study. <i>European Journal of Epidemiology</i> , 2011, 26, 919-926.	5.7	40
129	Maternal Age During Pregnancy Is Associated With Third Trimester Blood Pressure Level: The Generation R Study. <i>American Journal of Hypertension</i> , 2011, 24, 1046-1053.	2.0	21
130	Blood pressure tracking during pregnancy and the risk of gestational hypertensive disorders: The Generation R Study. <i>European Heart Journal</i> , 2011, 32, 3088-3097.	2.2	85