

Romy Gaillard

List of Publications by Year in descending order

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Version: 2024-02-01

130
papers

4,357
citations

136740

32
h-index

123241

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. <i>Obesity</i> , 2013, 21, 1046-1055.	1.5	371
2	Association of Gestational Weight Gain With Adverse Maternal and Infant Outcomes. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 1702.	3.8	344
3	Maternal body mass index, gestational weight gain, and the risk of overweight and obesity across childhood: An individual participant data meta-analysis. <i>PLoS Medicine</i> , 2019, 16, e1002744.	3.9	291
4	First trimester fetal growth restriction and cardiovascular risk factors in school age children: population based cohort study. <i>BMJ, The</i> , 2014, 348, g14-g14.	3.0	257
5	Childhood Cardiometabolic Outcomes of Maternal Obesity During Pregnancy. <i>Hypertension</i> , 2014, 63, 683-691.	1.3	222
6	Maternal obesity during pregnancy and cardiovascular development and disease in the offspring. <i>European Journal of Epidemiology</i> , 2015, 30, 1141-1152.	2.5	210
7	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.	0.3	115
8	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.	2.7	93
9	BMI, total and abdominal fat distribution, and cardiovascular risk factors in school-age children. <i>Pediatric Research</i> , 2015, 77, 710-718.	1.1	87
10	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.	1.0	85
11	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.	2.5	81
12	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.	1.8	79
13	Maternal plasma PUFA concentrations during pregnancy and childhood adiposity: the Generation R Study. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 1017-1025.	2.2	79
14	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.	2.3	74
15	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.	1.8	71
16	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.	3.9	71
17	Placental Vascular Dysfunction, Fetal and Childhood Growth, and Cardiovascular Development. <i>Circulation</i> , 2013, 128, 2202-2210.	1.6	69
18	Maternal inflammation during pregnancy and childhood adiposity. <i>Obesity</i> , 2016, 24, 1320-1327.	1.5	64

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19	Childhood consequences of maternal obesity and excessive weight gain during pregnancy. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2014, 93, 1085-1089.	1.3	62
20	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.	0.8	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. <i>PLoS Medicine</i> , 2019, 16, e1002972.	3.9	62
22	Maternal weight, gestational weight gain and preschool wheezing: the Generation R Study. <i>European Respiratory Journal</i> , 2013, 42, 1234-1243.	3.1	54
23	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.	0.9	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. <i>PLoS Medicine</i> , 2020, 17, e1003182.	3.9	54
25	Second- and Third-Trimester Placental Hemodynamics and the Risks of Pregnancy Complications. <i>American Journal of Epidemiology</i> , 2013, 177, 743-754.	1.6	53
26	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.	2.5	48
27	Maternal Parity, Fetal and Childhood Growth, and Cardiometabolic Risk Factors. <i>Hypertension</i> , 2014, 64, 266-274.	1.3	46
28	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.	2.2	45
29	Childhood Health Consequences of Maternal Obesity during Pregnancy: A Narrative Review. <i>Annals of Nutrition and Metabolism</i> , 2016, 69, 171-180.	1.0	45
30	High maternal early-pregnancy blood glucose levels are associated with altered fetal growth and increased risk of adverse birth outcomes. <i>Diabetologia</i> , 2019, 62, 1880-1890.	2.9	44
31	Individually customised fetal weight charts derived from ultrasound measurements: the Generation R Study. <i>European Journal of Epidemiology</i> , 2011, 26, 919-926.	2.5	40
32	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.	2.3	35
33	Growth Trajectories and Bone Mineral Density in Anti-Tissue Transglutaminase Antibody-positive Children: The Generation R Study. <i>Clinical Gastroenterology and Hepatology</i> , 2015, 13, 913-920.e5.	2.4	33
34	Early pregnancy bisphenol and phthalate metabolite levels, maternal hemodynamics and gestational hypertensive disorders. <i>Human Reproduction</i> , 2019, 34, 365-373.	0.4	33
35	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, .	1.6	32
36	Retinal Microvasculature and Cardiovascular Health in Childhood. <i>Pediatrics</i> , 2015, 135, 678-685.	1.0	31

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37	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.	0.5	30
38	Influence of Maternal Angiogenic Factors During Pregnancy on Microvascular Structure in School-Age Children. <i>Hypertension</i> , 2015, 65, 722-728.	1.3	30
39	Maternal caffeine intake during pregnancy, early growth, and body fat distribution at school age. <i>Obesity</i> , 2016, 24, 1170-1177.	1.5	30
40	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.	1.0	28
41	Associations of parents' use of food as reward with children's eating behaviour and <scp>BMI</scp> in a populationâ€based cohort. <i>Pediatric Obesity</i> , 2020, 15, e12662.	1.4	28
42	Foetal and infant growth patterns, airway resistance and schoolâ€age asthma. <i>Respirology</i> , 2016, 21, 674-682.	1.3	27
43	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.	1.6	26
44	Predictors and patterns of eating behaviors across childhood: Results from The Generation R study. <i>Appetite</i> , 2019, 141, 104295.	1.8	25
45	Liver Fat and Cardiometabolic Risk Factors Among Schoolâ€Age Children. <i>Hepatology</i> , 2020, 72, 119-129.	3.6	25
46	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.	1.6	23
47	Impact of birth parameters and early life growth patterns on retinal microvascular structure in children. <i>Journal of Hypertension</i> , 2015, 33, 1429-1437.	0.3	22
48	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.	1.1	22
49	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.	1.0	21
50	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.	1.2	21
51	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.	0.8	19
52	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.	4.3	19
53	Influence of Maternal Gestational Hypertensive Disorders on Microvasculature in School-Age Children. <i>American Journal of Epidemiology</i> , 2016, 184, 605-615.	1.6	18
54	Associations of Infant Subcutaneous Fat Mass with Total and Abdominal Fat Mass at Schoolâ€Age: The Generation R Study. <i>Paediatric and Perinatal Epidemiology</i> , 2016, 30, 511-520.	0.8	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. <i>Journal of Developmental Origins of Health and Disease</i> , 2019, 10, 314-321.	0.7	17
56	Subcutaneous fat mass in infancy and cardiovascular risk factors at school age: The generation R study. <i>Obesity</i> , 2016, 24, 424-429.	1.5	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. <i>BMC Medicine</i> , 2020, 18, 63.	2.3	15
58	Higher Maternal Plasma n-3 PUFA and Lower n-6 PUFA Concentrations in Pregnancy Are Associated with Lower Childhood Systolic Blood Pressure. <i>Journal of Nutrition</i> , 2015, 145, 2362-2368.	1.3	14
59	Associations of maternal caffeine intake during pregnancy with abdominal and liver fat deposition in childhood. <i>Pediatric Obesity</i> , 2020, 15, e12607.	1.4	14
60	Body Fat Distribution, Overweight, and Cardiac Structures in School-Age Children: A Population-Based Cardiac Magnetic Resonance Imaging Study. <i>Journal of the American Heart Association</i> , 2020, 9, e014933.	1.6	14
61	Maternal Glucose Concentrations in Early Pregnancy and Cardiometabolic Risk Factors in Childhood. <i>Obesity</i> , 2020, 28, 985-993.	1.5	14
62	Associations of maternal early-pregnancy blood glucose and insulin concentrations with DNA methylation in newborns. <i>Clinical Epigenetics</i> , 2020, 12, 134.	1.8	13
63	A population-based resource for intergenerational metabolomics analyses in pregnant women and their children: the Generation R Study. <i>Metabolomics</i> , 2020, 16, 43.	1.4	13
64	Associations Between Intake of Sugar-Containing Beverages in Infancy With Liver Fat Accumulation at School Age. <i>Hepatology</i> , 2021, 73, 560-570.	3.6	13
65	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.	0.5	13
66	Assessment of Fetal Growth by Customized Growth Charts. <i>Annals of Nutrition and Metabolism</i> , 2014, 65, 149-155.	1.0	12
67	Tracking of structural and functional cardiac measures from infancy into school-age. <i>European Journal of Preventive Cardiology</i> , 2017, 24, 1408-1415.	0.8	12
68	Fetal Growth Trajectories Among Small for Gestational Age Babies and Child Neurodevelopment. <i>Epidemiology</i> , 2021, 32, 664-671.	1.2	12
69	Critical periods and growth patterns from fetal life onwards associated with childhood insulin levels. <i>Diabetologia</i> , 2017, 60, 81-88.	2.9	11
70	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.	0.8	11
71	Maternal Body Mass Index, Early-Pregnancy Metabolite Profile, and Birthweight. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e315-e327.	1.8	11
72	Early origins of ethnic disparities in cardiovascular risk factors. <i>Preventive Medicine</i> , 2015, 76, 84-91.	1.6	10

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73	Psychological Distress and Weight Gain in Pregnancy: a Population-Based Study. <i>International Journal of Behavioral Medicine</i> , 2020, 27, 30-38.	0.8	10
74	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.	1.8	10
75	Maternal Dietary Glycemic Index and Glycemic Load in Pregnancy and Offspring Cord Blood DNA Methylation. <i>Diabetes Care</i> , 2022, 45, 1822-1832.	4.3	10
76	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.	1.8	9
77	Maternal Early Pregnancy Glucose Concentrations and Liver Fat Among School-Age Children. <i>Hepatology</i> , 2021, 74, 1902-1913.	3.6	9
78	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.	0.7	8
79	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.	1.3	8
80	Maternal plasma ω -3 and ω -6 polyunsaturated fatty acid concentrations during pregnancy and subcutaneous fat mass in infancy. <i>Obesity</i> , 2016, 24, 1759-1766.	1.5	7
81	Third Trimester Fetal Cardiac Blood Flow and Cardiac Outcomes in School-Age Children Assessed By Magnetic Resonance Imaging. <i>Journal of the American Heart Association</i> , 2019, 8, e012821.	1.6	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. <i>BMC Medicine</i> , 2019, 17, 186.	2.3	7
83	Pericardial adipose tissue, cardiac structures, and cardiovascular risk factors in school-age children. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 307-313.	0.5	7
84	Associations of maternal bisphenol urine concentrations during pregnancy with neonatal metabolomic profiles. <i>Metabolomics</i> , 2021, 17, 84.	1.4	7
85	Maternal polyunsaturated fatty acid concentrations during pregnancy and childhood liver fat accumulation. <i>Clinical Nutrition</i> , 2022, 41, 847-854.	2.3	7
86	Population screening for gestational hypertensive disorders using maternal, fetal and placental characteristics: A population-based prospective cohort study. <i>Prenatal Diagnosis</i> , 2020, 40, 746-757.	1.1	6
87	Vitamin B12, folate and homocysteine concentrations during pregnancy and early signs of atherosclerosis at school-age. <i>Clinical Nutrition</i> , 2021, 40, 5133-5140.	2.3	6
88	LongITools: Dynamic longitudinal exposome trajectories in cardiovascular and metabolic noncommunicable diseases. <i>Environmental Epidemiology</i> , 2022, 6, e184.	1.4	6
89	Socioeconomic inequalities in placental vascular resistance: a prospective cohort study. <i>Fertility and Sterility</i> , 2014, 101, 1367-1374.e4.	0.5	5
90	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.	4.3	5

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91	Associations of Maternal Early-Pregnancy Glucose Concentrations With Placental Hemodynamics, Blood Pressure, and Gestational Hypertensive Disorders. <i>American Journal of Hypertension</i> , 2020, 33, 660-669.	1.0	5
92	The Cardiovascular Stress Response as Early Life Marker of Cardiovascular Health: Applications in Population-Based Pediatric Studies—A Narrative Review. <i>Pediatric Cardiology</i> , 2020, 41, 1739-1755.	0.6	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. <i>Journal of Nutrition</i> , 2021, 151, 1965-1975.	1.3	4
94	Infant weight growth patterns, childhood BMI, and arterial health at age 10 years. <i>Obesity</i> , 2022, 30, 770-778.	1.5	4
95	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.	0.9	4
96	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.	2.8	4
97	Impact of maternal smoking during pregnancy on microvasculature in childhood. <i>The Generation R Study</i> . <i>Early Human Development</i> , 2015, 91, 607-611.	0.8	3
98	Fetal first trimester growth is not associated with kidney outcomes in childhood. <i>Pediatric Nephrology</i> , 2017, 32, 651-658.	0.9	3
99	Body fat, pericardial fat, liver fat and arterial health at age 10 years. <i>Pediatric Obesity</i> , 2022, 17, e12926.	1.4	3
100	Ethnic differences in adverse iron status in early pregnancy: a cross-sectional population-based study. <i>Journal of Nutritional Science</i> , 2022, 11, .	0.7	3
101	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.	0.5	2
102	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.	1.4	2
103	Associations of maternal early-pregnancy dietary glycemic index with childhood general, abdominal and ectopic fat accumulation. <i>Clinical Nutrition</i> , 2021, 40, 1628-1636.	2.3	2
104	First trimester fetal proportion volumetric measurements using a Virtual Reality approach. <i>Prenatal Diagnosis</i> , 2021, 41, 868-876.	1.1	2
105	Associations of maternal and infant metabolite profiles with foetal growth and the odds of adverse birth outcomes. <i>Pediatric Obesity</i> , 2021, , e12844.	1.4	2
106	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.	1.8	2
107	Influence of maternal vomiting during early pregnancy on school-age respiratory health. <i>Pediatric Pulmonology</i> , 2022, 57, 367-375.	1.0	2
108	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.	1.6	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. <i>American Heart Journal</i> , 2022, 247, 100-111.	1.2	2
110	Authors' reply re: Associations of maternal prepregnancy body mass index and gestational weight gain with cardio-metabolic risk factors in adolescent offspring: a prospective cohort study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2016, 123, 2054-2055.	1.1	1
111	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.	0.5	1
112	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.	0.5	1
113	Tackling childhood obesity in low-socioeconomic status communities: what is the next step?. <i>Lancet Diabetes and Endocrinology</i> , 2021, 9, 320-321.	5.5	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. <i>Atherosclerosis</i> , 2021, 338, 46-54.	0.4	1
116	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, , .	0.6	1
117	Assessment of maternal blood pressure development during pregnancy. <i>Journal of Hypertension</i> , 2015, 33, 61-62.	0.3	0
118	Optimal Gestational Weight Gain—Reply. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 1107.	3.8	0
119	Is maternal obesity a risk factor for rare childhood cardiovascular diseases?. <i>Lancet Diabetes and Endocrinology</i> , 2020, 8, 552-553.	5.5	0
120	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.	1.3	0
121	Prediction of Healthy Pregnancy Outcomes in Women with Overweight and Obesity: The Role of Maternal Early-Pregnancy Metabolites. <i>Metabolites</i> , 2022, 12, 13.	1.3	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
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127	Title is missing!. , 2020, 17, e1003182.		0
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130	Title is missing!.. , 2020, 17, e1003182.		0