Rae-Chi Huang

List of Publications by Year
in descending order

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67 papers	4,031 citations	94269 37 h-index	123241 61 g-index
72 all docs	72 docs citations	72 times ranked	7422 citing authors

#	Article	IF	Citations
1	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.	3.9	291
2	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. Nature Genetics, 2021, 53, 1311-1321.	9.4	218
3	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.	1.4	211
4	Prospective associations between sugar-sweetened beverage intakes and cardiometabolic risk factors in adolescents. American Journal of Clinical Nutrition, 2013, 98, 327-334.	2.2	148
5	Epigenome-wide meta-analysis of DNA methylation and childhood asthma. Journal of Allergy and Clinical Immunology, 2019, 143, 2062-2074.	1.5	147
6	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. Nature Communications, 2019, 10, 1893.	5.8	140
7	Dietary patterns and markers for the metabolic syndrome in Australian adolescents. Nutrition, Metabolism and Cardiovascular Diseases, 2010, 20, 274-283.	1.1	132
8	Lipidomics Reveals Associations of Phospholipids With Obesity and Insulin Resistance in Young Adults. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 871-879.	1.8	132
9	Perinatal and childhood origins of cardiovascular disease. International Journal of Obesity, 2007, 31, 236-244.	1.6	110
10	Early Infant Feeding and Adiposity Risk: From Infancy to Adulthood. Annals of Nutrition and Metabolism, 2014, 64, 262-270.	1.0	108
11	Dietary patterns, body mass index and inflammation: Pathways to depression and mental health problems in adolescents. Brain, Behavior, and Immunity, 2018, 69, 428-439.	2.0	105
12	Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. International Journal of Epidemiology, 2018, 47, 22-23u.	0.9	105
13	Clinical cardiovascular risk during young adulthood in offspring of hypertensive pregnancies: insights from a 20-year prospective follow-up birth cohort. BMJ Open, 2015, 5, e008136.	0.8	103
14	Supplementation with N-3 Long-Chain Polyunsaturated Fatty Acids or Olive Oil in Men and Women with Renal Disease Induces Differential Changes in the DNA Methylation of FADS2 and ELOVL5 in Peripheral Blood Mononuclear Cells. PLoS ONE, 2014, 9, e109896.	1.1	93
15	Lifecourse Childhood Adiposity Trajectories Associated With Adolescent Insulin Resistance. Diabetes Care, 2011, 34, 1019-1025.	4.3	92
16	Effects of early-life environment and epigenetics on cardiovascular disease risk in children: highlighting the role of twin studies. Pediatric Research, 2013, 73, 523-530.	1.1	83
17	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.	2.5	81
18	Epigenome-wide meta-analysis of blood DNA methylation in newborns and children identifies numerous loci related to gestational age. Genome Medicine, 2020, 12, 25.	3.6	81

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19	Developmental Trajectories of Sleep Problems from Childhood to Adolescence Both Predict and Are Predicted by Emotional and Behavioral Problems. Frontiers in Psychology, 2016, 7, 1874.	1.1	78
20	Synergy Between Adiposity, Insulin Resistance, Metabolic Risk Factors, and Inflammation in Adolescents. Diabetes Care, 2009, 32, 695-701.	4.3	77
21	Maternal Smoking During Pregnancy Induces Persistent Epigenetic Changes Into Adolescence, Independent of Postnatal Smoke Exposure and Is Associated With Cardiometabolic Risk. Frontiers in Genetics, 2019, 10, 770.	1.1	75
22	DNA methylation of the IGF2/H19 imprinting control region and adiposity distribution in young adults. Clinical Epigenetics, 2012, 4, 21.	1.8	74
23	Infant feeding and growth trajectory patterns in childhood and body composition in young adulthood. American Journal of Clinical Nutrition, 2017, 106, 568-580.	2.2	72
24	Importance of cardiometabolic risk factors in the association between nonalcoholic fatty liver disease and arterial stiffness in adolescents. Hepatology, 2013, 58, 1306-1314.	3.6	68
25	Identification of a dietary pattern associated with greater cardiometabolic risk in adolescence. Nutrition, Metabolism and Cardiovascular Diseases, 2015, 25, 643-650.	1.1	65
26	ANRIL Promoter DNA Methylation: A Perinatal Marker for Later Adiposity. EBioMedicine, 2017, 19, 60-72.	2.7	65
27	Extent of metabolic risk in adolescent girls with features of polycystic ovary syndrome. Fertility and Sterility, 2011, 95, 2347-2353.e1.	0.5	64
28	Lifecourse Adiposity and Blood Pressure Between Birth and 17 Years Old. American Journal of Hypertension, 2015, 28, 1056-1063.	1.0	56
29	A randomized controlled trial of the effects of n-3 fatty acids on resolvins in chronic kidney disease. Clinical Nutrition, 2016, 35, 331-336.	2.3	55
30	Low serum 25â€hydroxyvitamin <scp>D</scp> concentrations associate with nonâ€alcoholic fatty liver disease in adolescents independent of adiposity. Journal of Gastroenterology and Hepatology (Australia), 2014, 29, 1215-1222.	1.4	54
31	Epigenetic Age Acceleration in Adolescence Associates With BMI, Inflammation, and Risk Score for Middle Age Cardiovascular Disease. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 3012-3024.	1.8	53
32	Prevalence and pattern of childhood abdominal pain in an Australian general practice. Journal of Paediatrics and Child Health, 2000, 36, 349-353.	0.4	48
33	Sex Dimorphism in the Relation between Early Adiposity and Cardiometabolic Risk in Adolescents. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1014-E1022.	1.8	48
34	Low intake of B-vitamins is associated with poor adolescent mental health and behaviour. Preventive Medicine, 2012, 55, 634-638.	1.6	48
35	CHILDHOOD OBESITY, HYPERTENSION, THE METABOLIC SYNDROME AND ADULT CARDIOVASCULAR DISEASE. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 409-411.	0.9	44
36	Association of maternal prenatal smoking GFI1-locus and cardio-metabolic phenotypes in 18,212 adults. EBioMedicine, 2018, 38, 206-216.	2.7	43

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37	Is cellular heterogeneity merely a confounder to be removed from epigenome-wide association studies?. Epigenomics, 2017, 9, 1143-1150.	1.0	42
38	Oral contraceptive use in girls and alcohol consumption in boys are associated with increased blood pressure in late adolescence. European Journal of Preventive Cardiology, 2013, 20, 947-955.	0.8	41
39	Gender Difference in the Relationship between Passive Smoking Exposure and HDL-Cholesterol Levels in Late Adolescence. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 2126-2135.	1.8	36
40	n-3 Fatty Acid Supplementation and Leukocyte Telomere Length in Patients with Chronic Kidney Disease. Nutrients, 2016, 8, 175.	1.7	32
41	Effects of prenatal n-3 fatty acid supplementation on offspring resolvins at birth and 12 years of age: a double-blind, randomised controlled clinical trial. British Journal of Nutrition, 2017, 118, 971-980.	1.2	30
42	Nutritional Influences on Epigenetic Programming. Immunology and Allergy Clinics of North America, 2014, 34, 825-837.	0.7	27
43	Early life programming of cardiometabolic disease in the <scp>W</scp>estern <scp>A</scp>ustralian pregnancy cohort (<scp>R</scp>aine) study. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 973-978.	0.9	26
44	Polyunsaturated fatty acid intake and blood pressure in adolescents. Journal of Human Hypertension, 2012, 26, 178-187.	1.0	25
45	Identification of a dietary pattern prospectively associated with bone mass in Australian young adults. American Journal of Clinical Nutrition, 2015, 102, 1035-1043.	2.2	25
46	Feed thickener for newborn infants with gastro-oesophageal reflux. The Cochrane Library, 2002, , CD003211.	1.5	24
47	Dietary glycaemic carbohydrate in relation to the metabolic syndrome in adolescents: comparison of different metabolic syndrome definitions. Diabetic Medicine, 2010, 27, 770-778.	1.2	24
48	The EU Child Cohort Networkâ€™s core data: establishing a set of findable, accessible, interoperable and re-usable (FAIR) variables. European Journal of Epidemiology, 2021, 36, 565-580.	2.5	24
49	In Epigenomic Studies, Including Cell-Type Adjustments in Regression Models Can Introduce Multicollinearity, Resulting in Apparent Reversal of Direction of Association. Frontiers in Genetics, 2019, 10, 816.	1.1	20
50	Association between remnant lipoprotein cholesterol levels andÂnon-alcoholic fatty liver disease in adolescents. JHEP Reports, 2020, 2, 100150.	2.6	20
51	Differential SLC6A4 methylation: a predictive epigenetic marker of adiposity from birth to adulthood. International Journal of Obesity, 2019, 43, 974-988.	1.6	19
52	Serum 25-hydroxyvitamin D concentrations and cardiometabolic risk factors in adolescents and young adults. British Journal of Nutrition, 2016, 115, 1994-2002.	1.2	18
53	Differential relationships between anthropometry measures and cardiovascular risk factors in boys and girls. Pediatric Obesity, 2011, 6, e271-e282.	3.2	15
54	Preeclampsia and cardiovascular disease share genetic risk factors on chromosome 2q22. Pregnancy Hypertension, 2014, 4, 178-185.	0.6	14

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55	Epigenome-Wide Association Study of Thyroid Function Traits Identifies Novel Associations of fT3 With KLF9 and DOT1L. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e2191-e2202.	1.8	14
56	Age at menarche and childhood body mass index as predictors of cardio-metabolic risk in young adulthood: A prospective cohort study. PLoS ONE, 2018, 13, e0209355.	1.1	12
57	Feasibility of conducting an early pregnancy diet and lifestyle e-health intervention: the Pregnancy Lifestyle Activity Nutrition (PLAN) project. Journal of Developmental Origins of Health and Disease, 2020, 11, 58-70.	0.7	12
58	ApoB48-remnant lipoproteins are associated with increased cardiometabolic risk in adolescents. Atherosclerosis, 2020, 302, 20-26.	0.4	12
59	Adiposity associated DNA methylation signatures in adolescents are related to leptin and perinatal factors. Epigenetics, 2022, 17, 819-836.	1.3	10
60	ApoB48-Lipoproteins Are Associated with Cardiometabolic Risk in Adolescents with and without Polycystic Ovary Syndrome. Journal of the Endocrine Society, 2020, 4, bvaa061.	0.1	9
61	Evaluating Engagement in a Digital and Dietetic Intervention Promoting Healthy Weight Gain in Pregnancy: Mixed Methods Study. Journal of Medical Internet Research, 2020, 22, e17845.	2.1	8
62	Methylome-wide association study of central adiposity implicates genes involved in immune and endocrine systems. Epigenomics, 2020, 12, 1483-1499.	1.0	6
63	Preterm birth a long distance from home and its significant social and financial stress. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2003, 43, 317-321.	0.4	5
64	Childhood obesity in Australia remains a widespread health concern that warrants populationâ€wide prevention programs. Medical Journal of Australia, 2009, 191, 45-47.	0.8	5
65	Identifying young adults at high risk of cardiometabolic disease using cluster analysis and the Framingham 30-yr risk score. Nutrition, Metabolism and Cardiovascular Diseases, 2022, 32, 429-435.	1.1	4
66	Maternal haemoglobin levels in pregnancy and child DNA methylation: a study in the pregnancy and childhood epigenetics consortium. Epigenetics, 2022, 17, 19-31.	1.3	3
67	P1-33 The influence of mental health in early childhood on cardiovascular risk factors at age 8 in the Western Australian Pregnancy Cohort (Raine) Study. Early Human Development, 2007, 83, S92.	0.8	0