

Shiao Y Chan

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

1,812
citations

279798

23
h-index

315739

38
g-index

84
all docs

84
docs citations

84
times ranked

2207
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the role of inositols in conditions of insulin dysregulation and in uncomplicated and pathological pregnancy. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 1626-1673.	10.3	18
2	Prepregnancy adherence to plant-based diet indices and exploratory dietary patterns in relation to fecundability. <i>American Journal of Clinical Nutrition</i> , 2022, 115, 559-569.	4.7	9
3	Tracking of dietary patterns between pregnancy and 6 years post-pregnancy in a multiethnic Asian cohort: the Growing Up in Singapore Towards healthy Outcomes (GUSTO) study. <i>European Journal of Nutrition</i> , 2022, 61, 985-1001.	3.9	4
4	Breastfeeding may benefit cardiometabolic health of children exposed to increased gestational glycemia in utero. <i>European Journal of Nutrition</i> , 2022, 61, 2383-2395.	3.9	6
5	Population-centric risk prediction modeling for gestational diabetes mellitus: A machine learning approach. <i>Diabetes Research and Clinical Practice</i> , 2022, 185, 109237.	2.8	7
6	The socioeconomic landscape of the exposome during pregnancy. <i>Environment International</i> , 2022, 163, 107205.	10.0	6
7	Determinants of cord blood adipokines and association with neonatal abdominal adipose tissue distribution. <i>International Journal of Obesity</i> , 2022, 46, 637-645.	3.4	6
8	Generating pancreatic beta-like cells from human pluripotent stem cells. <i>Methods in Cell Biology</i> , 2022, , .	1.1	0
9	Pre-eclampsia with paradoxical polyuria: diabetes insipidus in pregnancy. <i>Lancet, The</i> , 2022, 399, 1809.	13.7	0
10	Evaluation of Preconception Dietary Patterns in Women Enrolled in a Multisite Study. <i>Current Developments in Nutrition</i> , 2022, 6, nza106.	0.3	0
11	Machine Learning–Derived Prenatal Predictive Risk Model to Guide Intervention and Prevent the Progression of Gestational Diabetes Mellitus to Type 2 Diabetes: Prediction Model Development Study. <i>JMIR Diabetes</i> , 2022, 7, e32366.	1.9	15
12	High placental inositol content associated with suppressed pro-adipogenic effects of maternal glycaemia in offspring: the GUSTO cohort. <i>International Journal of Obesity</i> , 2021, 45, 247-257.	3.4	13
13	Severity of nausea and vomiting in pregnancy and early childhood neurobehavioural outcomes: The Growing Up in Singapore Towards Healthy Outcomes study. <i>Paediatric and Perinatal Epidemiology</i> , 2021, 35, 98-108.	1.7	5
14	A Randomized Controlled Trial to Evaluate the Effects of a Smartphone Application–Based Lifestyle Coaching Program on Gestational Weight Gain, Glycemic Control, and Maternal and Neonatal Outcomes in Women With Gestational Diabetes Mellitus: The SMART-GDM Study. <i>Diabetes Care</i> , 2021, 44, 456-463.	8.6	59
15	Cohort profile: Singapore Preconception Study of Long-Term Maternal and Child Outcomes (S-PRESTO). <i>European Journal of Epidemiology</i> , 2021, 36, 129-142.	5.7	38
16	Placental Inositol Reduced in Gestational Diabetes as Glucose Alters Inositol Transporters and IMPA1 Enzyme Expression. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e875-e890.	3.6	16
17	Plasma glycemic measures and fecundability in a Singapore preconception cohort study. <i>Fertility and Sterility</i> , 2021, 115, 138-147.	1.0	10
18	Myo-Inositol, Probiotics, and Micronutrient Supplementation From Preconception for Glycemia in Pregnancy: NiPPeR International Multicenter Double-Blind Randomized Controlled Trial. <i>Diabetes Care</i> , 2021, 44, 1091-1099.	8.6	35

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19	Combined analysis of gestational diabetes and maternal weight status from pre-pregnancy through post-delivery in future development of type 2 diabetes. <i>Scientific Reports</i> , 2021, 11, 5021.	3.3	28
20	A Smartphone App to Restore Optimal Weight (SPAROW) in Women With Recent Gestational Diabetes Mellitus: Randomized Controlled Trial. <i>JMIR MHealth and UHealth</i> , 2021, 9, e22147.	3.7	14
21	The influence of body position on bioelectrical impedance spectroscopy measurements in young children. <i>Scientific Reports</i> , 2021, 11, 10346.	3.3	9
22	Metformin Perturbs Pancreatic Differentiation From Human Embryonic Stem Cells. <i>Diabetes</i> , 2021, 70, 1689-1702.	0.6	6
23	The association of maternal gestational hyperglycemia with breastfeeding duration and markers of milk production. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 1219-1228.	4.7	5
24	Maternal circulating SPINT1 is reduced in small-for-gestational age pregnancies at 26 weeks: Growing up in Singapore towards health outcomes (GUSTO) cohort study. <i>Placenta</i> , 2021, 110, 24-28.	1.5	7
25	Increasing nausea and vomiting of pregnancy is associated with sex-dependent differences in early childhood growth: the GUSTO mother-offspring cohort study. <i>BMC Pregnancy and Childbirth</i> , 2021, 21, 578.	2.4	2
26	Maternal height, gestational diabetes mellitus and pregnancy complications. <i>Diabetes Research and Clinical Practice</i> , 2021, 178, 108978.	2.8	7
27	Placental 13C-DHA metabolism and relationship with maternal BMI, glycemia and birthweight. <i>Molecular Medicine</i> , 2021, 27, 84.	4.4	8
28	Comparative epidemiology of gestational diabetes in ethnic Chinese from Shanghai birth cohort and growing up in Singapore towards healthy outcomes cohort. <i>BMC Pregnancy and Childbirth</i> , 2021, 21, 566.	2.4	5
29	Analyses of child cardiometabolic phenotype following assisted reproductive technologies using a pragmatic trial emulation approach. <i>Nature Communications</i> , 2021, 12, 5613.	12.8	19
30	Inositols: From Established Knowledge to Novel Approaches. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10575.	4.1	67
31	Myo-inositol – A potential prophylaxis against premature onset of labour and preterm birth. <i>Nutrition Research Reviews</i> , 2021, , 1-19.	4.1	3
32	Significance of the placental barrier in antenatal viral infections. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166244.	3.8	12
33	24-hour movement behaviour profiles and their transition in children aged 5.5 and 8 years – findings from a prospective cohort study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2021, 18, 145.	4.6	15
34	Associations of Childcare Arrangements with Adiposity Measures in a Multi-Ethnic Asian Cohort: The GUSTO Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12178.	2.6	2
35	Metabolic health status and fecundability in a Singapore preconception cohort study. <i>American Journal of Obstetrics and Gynecology</i> , 2021, , .	1.3	4
36	Gestational Weight Gain in Women With Obesity and Consideration of Infant Morbidity and Mortality in Clinical Practice. <i>JAMA Network Open</i> , 2021, 4, e2141508.	5.9	2

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37	Nutrients or nursing? Understanding how breast milk feeding affects child cognition. <i>European Journal of Nutrition</i> , 2020, 59, 609-619.	3.9	39
38	Antenatal sleep quality associated with perinatal outcomes in women of advanced maternal age. <i>Sleep Health</i> , 2020, 6, 60-64.	2.5	7
39	Current approaches and developments in transcript profiling of the human placenta. <i>Human Reproduction Update</i> , 2020, 26, 799-840.	10.8	41
40	Mismatch between poor fetal growth and rapid postnatal weight gain in the first 2 years of life is associated with higher blood pressure and insulin resistance without increased adiposity in childhood: the GUSTO cohort study. <i>International Journal of Epidemiology</i> , 2020, 49, 1591-1603.	1.9	23
41	The Prevalence of Thyroid Dysfunction and Autoimmunity in Women With History of Miscarriage or Subfertility. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2667-2677.	3.6	27
42	Anthropometric measures and HbA1c to detect dysglycemia in young Asian women planning conception: The S-PRESTO cohort. <i>Scientific Reports</i> , 2020, 10, 9228.	3.3	5
43	Is breastfeeding associated with later child eating behaviours?. <i>Appetite</i> , 2020, 150, 104653.	3.7	15
44	Management of overt hypothyroidism during pregnancy. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2020, 34, 101439.	4.7	10
45	Associations between early-life screen viewing and 24 hour movement behaviours: findings from a longitudinal birth cohort study. <i>The Lancet Child and Adolescent Health</i> , 2020, 4, 201-209.	5.6	26
46	Maternal glycemia during pregnancy and offspring abdominal adiposity measured by MRI in the neonatal period and preschool years: The Growing Up in Singapore Towards healthy Outcomes (GUSTO) prospective mother-offspring birth cohort study. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 39-47.	4.7	18
47	Maternal Glycemia During Pregnancy and Child Carotid Intima Media Thickness, Pulse Wave Velocity, and Augmentation Index. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e2581-e2590.	3.6	8
48	High Maternal Circulating Cotinine During Pregnancy is Associated With Persistently Shorter Stature From Birth to Five Years in an Asian Cohort. <i>Nicotine and Tobacco Research</i> , 2019, 21, 1103-1112.	2.6	18
49	Socio-demographic and maternal predictors of adherence to 24-hour movement guidelines in Singaporean children. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2019, 16, 70.	4.6	46
50	Television viewing and child cognition in a longitudinal birth cohort in Singapore: the role of maternal factors. <i>BMC Pediatrics</i> , 2019, 19, 286.	1.7	21
51	Smart Phone APP to Restore Optimal Weight (SPAROW): protocol for a randomised controlled trial for women with recent gestational diabetes. <i>BMC Public Health</i> , 2019, 19, 1287.	2.9	8
52	An enzymatic assay for quantification of inositol in human term placental tissue. <i>Analytical Biochemistry</i> , 2019, 586, 113409.	2.4	6
53	Metabolism of ¹³ C-Labeled Fatty Acids in Term Human Placental Explants by Liquid Chromatography-Mass Spectrometry. <i>Endocrinology</i> , 2019, 160, 1394-1408.	2.8	11
54	Levothyroxine in Women with Thyroid Peroxidase Antibodies before Conception. <i>New England Journal of Medicine</i> , 2019, 380, 1316-1325.	27.0	208

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55	Iron status and risk factors of iron deficiency among pregnant women in Singapore: a cross-sectional study. BMC Public Health, 2019, 19, 397.	2.9	21
56	Myo-inositol alters 13C-labeled fatty acid metabolism in human placental explants. Journal of Endocrinology, 2019, 243, 73-84.	2.6	9
57	Levothyroxine to increase live births in euthyroid women with thyroid antibodies trying to conceive: the TABLET RCT. Efficacy and Mechanism Evaluation, 2019, 6, 1-72.	0.7	4
58	Impact of adopting the 2013 World Health Organization criteria for diagnosis of gestational diabetes in a multi-ethnic Asian cohort: a prospective study. BMC Pregnancy and Childbirth, 2018, 18, 69.	2.4	21
59	Metformin from mother to unborn child – Are there unwarranted effects?. EBioMedicine, 2018, 35, 394-404.	6.1	40
60	Iodine Status during Pregnancy in a Region of Mild-to-Moderate Iodine Deficiency is not Associated with Adverse Obstetric Outcomes; Results from the Avon Longitudinal Study of Parents and Children (ALSPAC). Nutrients, 2018, 10, 291.	4.1	39
61	Thyroid Physiology and Thyroid Diseases in Pregnancy. Endocrinology, 2018, , 673-708.	0.1	0
62	Nutritional Intervention Preconception and During Pregnancy to Maintain Healthy Glucose Metabolism and Offspring Health (‘NiPPeR’): study protocol for a randomised controlled trial. Trials, 2017, 18, 131.	1.6	53
63	A review of Zika virus infections in pregnancy and implications for antenatal care in Singapore. Singapore Medical Journal, 2017, 58, 171-178.	0.6	22
64	Thyroid Physiology and Thyroid Diseases in Pregnancy. Endocrinology, 2017, , 1-36.	0.1	0
65	Optimal management of hypothyroidism, hypothyroxinaemia and euthyroid <sc>TPO</sc> antibody positivity preconception and in pregnancy. Clinical Endocrinology, 2015, 82, 313-326.	2.4	97
66	Management of subclinical hypothyroidism in pregnancy: are we too simplistic?. European Journal of Endocrinology, 2015, 173, P1-P11.	3.7	28
67	Costs and benefits of iodine supplementation for pregnant women in a mildly to moderately iodine-deficient population: a modelling analysis. Lancet Diabetes and Endocrinology, the, 2015, 3, 715-722.	11.4	42
68	MCT8 expression in human fetal cerebral cortex is reduced in severe intrauterine growth restriction. Journal of Endocrinology, 2014, 220, 85-95.	2.6	33
69	Optimal treatment of hypothyroidism associated with live birth in cases of previous recurrent placental abruption and stillbirth. International Journal of Gynecology and Obstetrics, 2013, 123, 196-199.	2.3	4
70	Dietary Vitamin D Restriction in Pregnant Female Mice Is Associated With Maternal Hypertension and Altered Placental and Fetal Development. Endocrinology, 2013, 154, 2270-2280.	2.8	71
71	Monocarboxylate Transporter 8 Modulates the Viability and Invasive Capacity of Human Placental Cells and Fetoplacental Growth in Mice. PLoS ONE, 2013, 8, e65402.	2.5	17
72	Expression and Function of Thyroid Hormone Transporters in the Microvillous Plasma Membrane of Human Term Placental Syncytiotrophoblast. Endocrinology, 2012, 153, 6126-6135.	2.8	26

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73	Early adjustment of levothyroxine treatment in pregnancy. <i>Nature Reviews Endocrinology</i> , 2010, 6, 537-538.	9.6	6
74	The role of the placenta in thyroid hormone delivery to the fetus. <i>Nature Clinical Practice Endocrinology and Metabolism</i> , 2009, 5, 45-54.	2.8	130
75	Maternal thyroid hormones and fetal brain development. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2005, 12, 23-30.	0.6	8
76	Maternal nutrient deprivation induces sex-specific changes in thyroid hormone receptor and deiodinase expression in the fetal guinea pig brain. <i>Journal of Physiology</i> , 2005, 566, 467-480.	2.9	18
77	THYROID HORMONES IN FETAL CENTRAL NERVOUS SYSTEM DEVELOPMENT. <i>Fetal and Maternal Medicine Review</i> , 2003, 14, 177-208.	0.3	24
78	Early expression of thyroid hormone deiodinases and receptors in human fetal cerebral cortex. <i>Developmental Brain Research</i> , 2002, 138, 109-116.	1.7	92
79	Iodine intake in pregnancy. <i>Lancet, The</i> , 2001, 358, 583-584.	13.7	8