

Maternalâ€™Fetal Nutrient Transport in Pregnancy Path

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Early Disturbed Placental Ischemia and Hypoxia Creates Immune Alteration and Vascular Disorder Causing Preeclampsia. Archives of Medical Research, 2014, 45, 519-524.	1.5	59
2	Characterization of early changes in fetoplacental hemodynamics in a diet-induced rabbit model of IUGR. Journal of Developmental Origins of Health and Disease, 2015, 6, 454-461.	0.7	16
3	Prenatal exposure to common environmental factors affects brain lipids and increases risk of developing autism spectrum disorders. European Journal of Neuroscience, 2015, 42, 2742-2760.	1.2	63
4	The ins and outs of maternal-fetal fatty acid metabolism. Acta Biochimica Polonica, 2015, 62, 499-507.	0.3	47
5	Glucose Homeostasis Variables in Pregnancy versus Maternal and Infant Body Composition. Nutrients, 2015, 7, 5615-5627.	1.7	11
6	Fetal gender specific expression of tandem-repeat galectins in placental tissue from normally progressed human pregnancies and intrauterine growth restriction (IUGR). Placenta, 2015, 36, 1352-1361.	0.7	16
7	Maternal and Fetal Lipid and Adipokine Profiles and Their Association with Obesity. International Journal of Endocrinology, 2016, 2016, 1-7.	0.6	14
9	Placental Expression Patterns of Galectin-1, Galectin-2, Galectin-3 and Galectin-13 in Cases of Intrauterine Growth Restriction (IUGR). International Journal of Molecular Sciences, 2016, 17, 523.	1.8	29
10	Influence of Maternal Obesity and Gestational Weight Gain on Maternal and Foetal Lipid Profile. Nutrients, 2016, 8, 368.	1.7	42
11	Altered development and function of the placental regions in preeclampsia and its association with long-chain polyunsaturated fatty acids. Wiley Interdisciplinary Reviews: Developmental Biology, 2016, 5, 582-597.	5.9	25
12	Hyperpolarized [¹³ C]pyruvate MRI for noninvasive examination of placental metabolism and nutrient transport: A feasibility study in pregnant guinea pigs. Journal of Magnetic Resonance Imaging, 2016, 43, 750-755.	1.9	15
13	The association of early unexplained elevated alanine aminotransferase with large-for-gestational-age birthweight. American Journal of Obstetrics and Gynecology, 2016, 215, 474.e1-474.e5.	0.7	12
14	Placental Origins of Chronic Disease. Physiological Reviews, 2016, 96, 1509-1565.	18.1	504
15	Molecular and cellular effects of vitamin B12 forms on human trophoblast cells in presence of excessive folate. Biomedicine and Pharmacotherapy, 2016, 84, 526-534.	2.5	26
16	Vitamin B12 and placental expression of transcobalamin in pregnant adolescents. Placenta, 2016, 45, 1-7.	0.7	12
17	Maternal sodium butyrate supplement elevates the lipolysis in adipose tissue and leads to lipid accumulation in offspring liver of weaning-age rats. Lipids in Health and Disease, 2016, 15, 119.	1.2	13
19	Maternal plasma angiogenic index-1 (placental growth factor/soluble vascular endothelial growth) underperfusion: a longitudinal case-cohort study. American Journal of Obstetrics and Gynecology, 2016, 214, 629.e1-629.e17.	0.7	91
20	Genetic determinants of pig birth weight variability. BMC Genetics, 2016, 17, 15.	2.7	24

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21	Intrauterine Growth Restriction: Hungry for an Answer. <i>Physiology</i> , 2016, 31, 131-146.	1.6	70
22	Placental DHA and mRNA levels of PPAR α and LXR α and their relationship to birth weight. <i>Journal of Clinical Lipidology</i> , 2016, 10, 767-774.	0.6	19
23	Placental Metal Concentrations in Relation to Maternal and Infant Toenails in a U.S. Cohort. <i>Environmental Science & Technology</i> , 2016, 50, 1587-1594.	4.6	53
24	The Placenta as a Mediator of Stress Effects on Neurodevelopmental Reprogramming. <i>Neuropsychopharmacology</i> , 2016, 41, 207-218.	2.8	178
25	Placenta nutrient transport-related gene expression: the impact of maternal obesity and excessive gestational weight gain. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2016, 29, 1399-1405.	0.7	20
26	Placenta-on-a-chip: a novel platform to study the biology of the human placenta. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2016, 29, 1046-1054.	0.7	218
27	Fetal growth retardation and brain sparing by malnutrition are associated to changes in neurotransmitters profile. <i>International Journal of Developmental Neuroscience</i> , 2017, 57, 72-76.	0.7	19
28	A role for maternally derived myokines to optimize placental function and fetal growth across gestation. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 459-469.	0.9	12
29	Gestational disruptions in metabolic rhythmicity of the liver, muscle, and placenta affect fetal size. <i>FASEB Journal</i> , 2017, 31, 1698-1708.	0.2	17
30	Role of Insulin in Placental Transport of Nutrients in Gestational Diabetes Mellitus. <i>Annals of Nutrition and Metabolism</i> , 2017, 70, 16-25.	1.0	45
31	Review: Alterations in placental glycogen deposition in complicated pregnancies: Current preclinical and clinical evidence. <i>Placenta</i> , 2017, 54, 52-58.	0.7	58
32	Estrogen-enhanced apical and basolateral secretion of apolipoprotein B-100 by polarized trophoblast-derived BeWo cells. <i>Biochimie</i> , 2017, 138, 116-123.	1.3	15
33	Increased birth weight is associated with altered gene expression in neonatal foreskin. <i>Journal of Developmental Origins of Health and Disease</i> , 2017, 8, 575-583.	0.7	8
34	Large Reduction in Adiponectin During Pregnancy Is Associated With Large-for-Gestational-Age Newborns. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 2552-2559.	1.8	44
35	Single Fasting Plasma Glucose Versus 75-g Oral Glucose-Tolerance Test in Prediction of Adverse Perinatal Outcomes: A Cohort Study. <i>EBioMedicine</i> , 2017, 16, 284-291.	2.7	27
36	Exposure of pregnant mice to triclosan impairs placental development and nutrient transport. <i>Scientific Reports</i> , 2017, 7, 44803.	1.6	31
37	Lipid overload during gestation and lactation can independently alter lipid homeostasis in offspring and promote metabolic impairment after new challenge to high-fat diet. <i>Nutrition and Metabolism</i> , 2017, 14, 16.	1.3	39
38	Acute Fatty Liver Disease of Pregnancy: Updates in Pathogenesis, Diagnosis, and Management. <i>American Journal of Gastroenterology</i> , 2017, 112, 838-846.	0.2	133

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39	Medium chain fatty acids in intrauterine growth restricted and small for gestational age pregnancies. <i>Metabolomics</i> , 2017, 13, 1.	1.4	9
40	Ethnicity, Obesity, and Pregnancy Outcomes on Fetal Programming. , 2017, , 185-198.		0
41	Functions of Maternally-Derived Taurine in Fetal and Neonatal Brain Development. <i>Advances in Experimental Medicine and Biology</i> , 2017, 975 Pt 1, 17-25.	0.8	29
42	Supplementation of docosahexaenoic acid (DHA) / Eicosapentaenoic acid (EPA) in a ratio of 1/1.3 during the last trimester of pregnancy results in EPA accumulation in cord blood. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2017, 125, 32-36.	1.0	5
43	Dysregulation of DNA methylation and expression of imprinted genes in mouse placentas of fetal growth restriction induced by maternal cadmium exposure. <i>Toxicology</i> , 2017, 390, 109-116.	2.0	18
44	Treating the placenta to prevent adverse effects of gestational hypoxia on fetal brain development. <i>Scientific Reports</i> , 2017, 7, 9079.	1.6	76
45	Does a body mass index greater than 25 kg/m ² increase maternal and neonatal morbidity? A French historical cohort study. <i>Journal of Gynecology Obstetrics and Human Reproduction</i> , 2017, 46, 601-608.	0.6	18
46	Choline prevents fetal overgrowth and normalizes placental fatty acid and glucose metabolism in a mouse model of maternal obesity. <i>Journal of Nutritional Biochemistry</i> , 2017, 49, 80-88.	1.9	43
47	Hepar uterinum: a history of ideas on fetal nutrition. <i>Journal of Perinatal Medicine</i> , 2017, 45, 779-786.	0.6	1
48	Placentome Nutrient Transporters and Mammalian Target of Rapamycin Signaling Proteins Are Altered by the Methionine Supply during Late Gestation in Dairy Cows and Are Associated with Newborn Birth Weight. <i>Journal of Nutrition</i> , 2017, 147, 1640-1647.	1.3	48
49	Transposase-mediated gene modulation in the placenta. <i>Placenta</i> , 2017, 59, S32-S36.	0.7	0
50	Cellular and molecular mechanisms of viral infection in the human placenta. <i>Pathogens and Disease</i> , 2017, 75, .	0.8	47
51	ABCA1 affects placental function via trophoblast and macrophage. <i>Life Sciences</i> , 2017, 191, 150-156.	2.0	10
52	The associations between early pregnancy lipid profiles and pregnancy outcomes. <i>Journal of Perinatology</i> , 2017, 37, 127-133.	0.9	40
53	Maternal Circulating Lipid Profile during Early Pregnancy: Racial/Ethnic Differences and Association with Spontaneous Preterm Delivery. <i>Nutrients</i> , 2017, 9, 19.	1.7	18
54	Placental Nutrient Transport in Gestational Diabetic Pregnancies. <i>Frontiers in Endocrinology</i> , 2017, 8, 306.	1.5	64
55	Genome-Wide Association Study of Piglet Uniformity and Farrowing Interval. <i>Frontiers in Genetics</i> , 2017, 8, 194.	1.1	37
56	GDM-Induced Macrosomia Is Reversed by Cav-1 via AMPK-Mediated Fatty Acid Transport and GLUT1-Mediated Glucose Transport in Placenta. <i>PLoS ONE</i> , 2017, 12, e0170490.	1.1	28

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57	Modulation of cholesterol transport by maternal hypercholesterolemia in human full-term placenta. PLoS ONE, 2017, 12, e0171934.	1.1	32
58	Determinants of overweight with concurrent stunting among Ghanaian children. BMC Pediatrics, 2017, 17, 177.	0.7	35
59	Change in the Lipid Transport Capacity of the Liver and Blood during Reproduction in Rats. Frontiers in Physiology, 2017, 8, 517.	1.3	8
60	Ontogeny of Sex-Related Differences in Foetal Developmental Features, Lipid Availability and Fatty Acid Composition. International Journal of Molecular Sciences, 2017, 18, 1171.	1.8	15
61	Effects of Stress Throughout the Lifespan on the Brain and Behavior. , 2017, , 443-463.		3
62	Alterations in placental long chain polyunsaturated fatty acid metabolism in human intrauterine growth restriction. Clinical Science, 2018, 132, 595-607.	1.8	45
63	Maternal obesity increases the risk of metabolic disease and impacts renal health in offspring. Bioscience Reports, 2018, 38, .	1.1	50
64	Anthropometric Parameters of HIV-Infected and HIV-Uninfected Mothers and their Premature Infants. Journal of Tropical Pediatrics, 2018, 64, 255-261.	0.7	0
65	Exercise as a therapeutic intervention to optimize fetal weight. Pharmacological Research, 2018, 132, 160-167.	3.1	30
66	Gestational changes in PRMT1 expression of murine placentas. Placenta, 2018, 65, 47-54.	0.7	2
67	Evaluation of the effects of the larvicides temephos on reproductive performance, embryofetal development and DNA integrity of Swiss mice. Pesticide Biochemistry and Physiology, 2018, 148, 22-27.	1.6	7
68	Effect of maternal hypoglycaemia during gestation on materno-foetal nutrient transfer and embryo-foetal development: Evidence from experimental studies focused primarily on the rat. Reproductive Toxicology, 2018, 77, 1-24.	1.3	10
69	Proteomics and bioinformatics analysis of altered protein expression in the placental villous tissue from early recurrent miscarriage patients. Placenta, 2018, 61, 1-10.	0.7	21
70	Identification of placental nutrient transporters associated with intrauterine growth restriction and pre-eclampsia. BMC Genomics, 2018, 19, 173.	1.2	60
71	Circular RNA expression profiles in placental villi from women with gestational diabetes mellitus. Biochemical and Biophysical Research Communications, 2018, 498, 743-750.	1.0	62
72	Maternal long chain polyunsaturated fatty acid status and pregnancy complications. Prostaglandins Leukotrienes and Essential Fatty Acids, 2018, 136, 143-152.	1.0	29
73	Gestational differences in murine placenta: Glycolytic metabolism and pregnancy parameters. Theriogenology, 2018, 107, 115-126.	0.9	9
74	Reci�n nacido de madre diab�tica. EMC Pediatria, 2018, 53, 1-13.	0.0	0

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75	The high maternal TG level at early trimester was associated with the increased risk of LGA newborn in non-obesity pregnant women. <i>Lipids in Health and Disease</i> , 2018, 17, 294.	1.2	14
76	Excess Hydrocortisone Hampers Placental Nutrient Uptake Disrupting Cellular Metabolism. <i>BioMed Research International</i> , 2018, 2018, 1-11.	0.9	7
77	Inhibition of NRF2 signaling and increased reactive oxygen species during embryogenesis in a rat model of retinoic acid-induced neural tube defects. <i>NeuroToxicology</i> , 2018, 69, 84-92.	1.4	15
78	Maternal Choline and Betaine Supplementation Modifies the Placental Response to Hyperglycemia in Mice and Human Trophoblasts. <i>Nutrients</i> , 2018, 10, 1507.	1.7	15
79	Physiology and Pathophysiology of Steroid Biosynthesis, Transport and Metabolism in the Human Placenta. <i>Frontiers in Pharmacology</i> , 2018, 9, 1027.	1.6	169
80	Dietary Unsaturated Fatty Acids Modulate Maternal Dyslipidemia-Induced DNA Methylation and Histone Acetylation in Placenta and Fetal Liver in Rats. <i>Lipids</i> , 2018, 53, 581-588.	0.7	33
81	PEMT rs12325817 and PCYT1A rs7639752 polymorphisms are associated with betaine but not choline concentrations in pregnant women. <i>Nutrition Research</i> , 2018, 56, 61-70.	1.3	2
82	Gestational diabetes mellitus modulates cholesterol homeostasis in human fetoplacental endothelium. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 968-979.	1.2	29
83	Role of MAPK/MNK1 signaling in virus replication. <i>Virus Research</i> , 2018, 253, 48-61.	1.1	94
84	Temporal transcriptomic analysis of metabolic genes in maternal organs and placenta during murine pregnancy. <i>Biology of Reproduction</i> , 2018, 99, 1255-1265.	1.2	9
85	The frequency and type of placental histologic lesions in term pregnancies with normal outcome. <i>Journal of Perinatal Medicine</i> , 2018, 46, 613-630.	0.6	135
86	Placental mechanism of prenatal nicotine exposure-reduced blood cholesterol levels in female fetal rats. <i>Toxicology Letters</i> , 2018, 296, 31-38.	0.4	14
87	Maternal betaine supplementation affects fetal growth and lipid metabolism of high-fat fed mice in a temporal-specific manner. <i>Nutrition and Diabetes</i> , 2018, 8, 41.	1.5	29
88	Alternative splicing of helicase-like transcription factor (Hltf): Intron retention-dependent activation of immune tolerance at the feto-maternal interface. <i>PLoS ONE</i> , 2018, 13, e0200211.	1.1	9
89	Caloric restriction can affect one-carbon metabolism during pregnancy in the rat: A transgenerational model. <i>Biochimie</i> , 2018, 152, 181-187.	1.3	7
90	Placental surface area mediates the association between FGFR2 methylation in placenta and full-term low birth weight in girls. <i>Clinical Epigenetics</i> , 2018, 10, 39.	1.8	12
91	Placental DNA Methylation Adaptation to Maternal Glycemic Response in Pregnancy. <i>Diabetes</i> , 2018, 67, 1673-1683.	0.3	42
92	Umbilical cord blood metabolomics reveal distinct signatures of dyslipidemia prior to bronchopulmonary dysplasia and pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L870-L881.	1.3	34

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93	Maternal Lipid Concentrations during Early Pregnancy and Eating Behaviour and Energy Intake in the Offspring. <i>Nutrients</i> , 2018, 10, 1026.	1.7	8
94	High Level of APOA1 in Blood and Maternal Fetal Interface Is Associated With Early Miscarriage. <i>Reproductive Sciences</i> , 2019, 26, 649-656.	1.1	10
95	Cellular stress mechanisms of prenatal maternal stress: Heat shock factors and oxidative stress. <i>Neuroscience Letters</i> , 2019, 709, 134368.	1.0	25
96	Maternal and fetal outcome of pregnancy in Swiss mice infected with <i>Plasmodium berghei</i> ANKAGFP. <i>Reproductive Toxicology</i> , 2019, 89, 107-114.	1.3	4
97	Effect of gestational oily fish intake on the risk of allergy in children may be influenced by FADS1/2, ELOVL5 expression and DNA methylation. <i>Genes and Nutrition</i> , 2019, 14, 20.	1.2	16
98	S100 protein family and embryo implantation. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 19229-19244.	1.2	8
99	Interactive effects of prepregnancy overweight and gestational diabetes on macrosomia and large for gestational age: A population-based prospective cohort in Tianjin, China. <i>Diabetes Research and Clinical Practice</i> , 2019, 154, 82-89.	1.1	17
100	Paternal knockout of <i>Slc38a4</i> /SNAT4 causes placental hypoplasia associated with intrauterine growth restriction in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21047-21053.	3.3	42
101	Glycoanalysis of the placental membrane glycoproteins throughout placental development. <i>Mechanisms of Ageing and Development</i> , 2019, 183, 111151.	2.2	8
102	Biological interactions between nanomaterials and placental development and function following oral exposure. <i>Reproductive Toxicology</i> , 2019, 90, 150-165.	1.3	13
103	A Narrative Review of Placental Contribution to Adverse Pregnancy Outcomes in Women With Polycystic Ovary Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 5299-5315.	1.8	44
104	Metabolism of cholesterol and progesterone is differentially regulated in primary trophoblastic subtypes and might be disturbed in recurrent miscarriages. <i>Journal of Lipid Research</i> , 2019, 60, 1922-1934.	2.0	32
105	Developing novel in vitro methods for the risk assessment of developmental and placental toxicants in the environment. <i>Toxicology and Applied Pharmacology</i> , 2019, 378, 114635.	1.3	29
106	Prenatal ethanol exposure-induced a low level of foetal blood cholesterol and its mechanism of IGF1-related placental cholesterol transport dysfunction. <i>Toxicology</i> , 2019, 424, 152237.	2.0	5
107	Exercise prevents the adverse effects of maternal obesity on placental vascularization and fetal growth. <i>Journal of Physiology</i> , 2019, 597, 3333-3347.	1.3	50
108	Maternal body mass index moderates antenatal depression effects on infant birthweight. <i>Scientific Reports</i> , 2019, 9, 6213.	1.6	12
109	Maternal, placental and cordonal metallomic profiles in gestational diabetes mellitus. <i>Metallomics</i> , 2019, 11, 676-685.	1.0	14
110	Update on oxidative stress and inflammation in pregnant women, unborn children (nasciturus), and newborns – Nutritional and dietary effects. <i>Free Radical Biology and Medicine</i> , 2019, 142, 38-51.	1.3	27

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111	Maternal, neonatal insulin resistance and neonatal anthropometrics in pregnancies following bariatric surgery. <i>Metabolism: Clinical and Experimental</i> , 2019, 97, 25-31.	1.5	18
112	Placenta Transcriptome Profiling in Intrauterine Growth Restriction (IUGR). <i>International Journal of Molecular Sciences</i> , 2019, 20, 1510.	1.8	53
113	Nutrient transporter expression in both the placenta and fetal liver are affected by maternal smoking. <i>Placenta</i> , 2019, 78, 10-17.	0.7	13
114	Hsa_circRNA_0054633 is highly expressed in gestational diabetes mellitus and closely related to glycosylation index. <i>Clinical Epigenetics</i> , 2019, 11, 22.	1.8	63
115	Vasoactive Intestinal Peptide induces glucose and neutral amino acid uptake through mTOR signalling in human cytotrophoblast cells. <i>Scientific Reports</i> , 2019, 9, 17152.	1.6	11
116	Low birth weight, a risk factor for diseases in later life, is a surrogate of insulin resistance at birth. <i>Journal of Hypertension</i> , 2019, 37, 2123-2134.	0.3	18
118	A short periconceptual exposure to maternal type-1 diabetes is sufficient to disrupt the fetoplacental phenotype in a rabbit model. <i>Molecular and Cellular Endocrinology</i> , 2019, 480, 42-53.	1.6	20
119	Integrated Proteomics Reveals Apoptosis-related Mechanisms Associated with Placental Malaria*. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 182-199.	2.5	15
120	1,25(OH)2D3 Protects Trophoblasts Against Insulin Resistance and Inflammation Via Suppressing mTOR Signaling. <i>Reproductive Sciences</i> , 2019, 26, 223-232.	1.1	16
121	Complex, coordinated and highly regulated changes in placental signaling and nutrient transport capacity in IUGR. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165373.	1.8	32
122	Complications of pregnancy in morbidly obese patients: What is the impact of gestational diabetes mellitus?. <i>Journal of Gynecology Obstetrics and Human Reproduction</i> , 2020, 49, 101628.	0.6	16
123	Placental Function in Maternofetal Exchange. , 2020, , 69-77.e2.		3
124	Oxidative stress in pregnancy complicated by preeclampsia. <i>Archives of Biochemistry and Biophysics</i> , 2020, 681, 108255.	1.4	43
125	Influence of sociodemographic, lifestyle and genetic characteristics on maternal DHA and other polyunsaturated fatty acid status in pregnancy: A systematic review. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 152, 102037.	1.0	18
126	Fetal Growth Trajectories and Their Association with Maternal, Cord Blood, and 5-year Child Adipokines. <i>Journal of Nutrition and Metabolism</i> , 2020, 2020, 1-9.	0.7	4
127	Mediating Effects of Maternal Blood Triglycerides on the Relationship between Prepregnancy Body Mass Index and Fetal Macrosomia. <i>Journal of Pediatrics</i> , 2020, 226, 118-122.e1.	0.9	5
128	Brain and placental transcriptional responses as a readout of maternal and paternal preconception stress are fetal sex specific. <i>Placenta</i> , 2020, 100, 164-170.	0.7	14
129	Mitochondrial physiology varies with parity and body mass in the laboratory mouse (<i>Mus musculus</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020, 190, 465-477.	0.7	5

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130	Nutrition and Metabolic Adaptations in Physiological and Complicated Pregnancy: Focus on Obesity and Gestational Diabetes. <i>Frontiers in Endocrinology</i> , 2020, 11, 611929.	1.5	104
131	Effects of maternal dietary omega-3 polyunsaturated fatty acids and methionine during late gestation on fetal growth, DNA methylation, and mRNA relative expression of genes associated with the inflammatory response, lipid metabolism and DNA methylation in placenta and offspring's liver in sheep. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 111.	2.1	17
132	Polyunsaturated Fatty Acids and Their Metabolites in Hyperemesis Gravidarum. <i>Nutrients</i> , 2020, 12, 3384.	1.7	3
133	Maternal physical activity significantly alters the placental transcriptome. <i>Placenta</i> , 2020, 100, 111-121.	0.7	4
134	Zearalenone disrupts the placental function of rats: A possible mechanism causing intrauterine growth restriction. <i>Food and Chemical Toxicology</i> , 2020, 145, 111698.	1.8	13
135	Maternal high fat diet-induced obesity affects trophoblast differentiation and placental function in mice. <i>Biology of Reproduction</i> , 2020, 103, 1260-1274.	1.2	22
136	Placental fatty acid transport across late gestation in a baboon model of intrauterine growth restriction. <i>Journal of Physiology</i> , 2020, 598, 2469-2489.	1.3	16
137	The placenta in fetal growth restriction: What is going wrong?. <i>Placenta</i> , 2020, 96, 10-18.	0.7	100
138	Physical Activity During Pregnancy Is Associated with Increased Placental FATP4 Protein Expression. <i>Reproductive Sciences</i> , 2020, 27, 1909-1919.	1.1	12
139	Maternal Amino Acid Profiles to Distinguish Constitutionally Small versus Growth-Restricted Fetuses Defined by Doppler Ultrasound: A Pilot Study. <i>American Journal of Perinatology</i> , 2020, 37, 1084-1093.	0.6	3
140	Influence of clinical characteristics on maternal DHA and other polyunsaturated fatty acid status in pregnancy: A systematic review. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 154, 102063.	1.0	6
141	Nutrients and Microbiota in Lung Diseases of Prematurity: The Placenta-Gut-Lung Triangle. <i>Nutrients</i> , 2020, 12, 469.	1.7	33
142	Being Born Large for Gestational Age is Associated with Increased Global Placental DNA Methylation. <i>Scientific Reports</i> , 2020, 10, 927.	1.6	22
143	Fatty liver in pregnancy: a narrative review of two distinct conditions. <i>Expert Review of Gastroenterology and Hepatology</i> , 2020, 14, 127-135.	1.4	17
144	Sex-specific epigenetic gene activation profiles are differentially modulated in human placentas affected by intrauterine growth restriction. <i>Journal of Reproductive Immunology</i> , 2020, 139, 103124.	0.8	2
145	Intravital imaging of mouse embryos. <i>Science</i> , 2020, 368, 181-186.	6.0	70
146	Prenatal dexamethasone exposure exerts sex-specific effect on placental oxygen and nutrient transport ascribed to the differential expression of IGF2. <i>Annals of Translational Medicine</i> , 2020, 8, 233-233.	0.7	20
147	Role of omega-3 polyunsaturated fatty acids in gestational diabetes, maternal and fetal insights: current use and future directions. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2021, 34, 124-136.	0.7	8

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148	Lipid metabolism is altered in maternal, placental, and fetal tissues of ewes with small for gestational age fetuses. <i>Biology of Reproduction</i> , 2021, 104, 170-180.	1.2	8
149	Stimulation of soluble guanylate cyclase diminishes intrauterine growth restriction in a rat model of placental ischemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R149-R161.	0.9	7
150	Developmental origins of metabolic diseases. <i>Physiological Reviews</i> , 2021, 101, 739-795.	13.1	150
151	Maternal PM2.5 exposure and abnormal placental nutrient transport. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111281.	2.9	21
152	Decreased maternal serum adiponectin and increased insulin-like growth factor-1 levels along with increased placental glucose transporter-1 expression in gestational diabetes mellitus: Possible role in fetal overgrowth. <i>Placenta</i> , 2021, 104, 71-80.	0.7	21
153	Maternal Obesity Influences Placental Nutrient Transport, Inflammatory Status, and Morphology in Human Term Placenta. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 1880-1896.	1.8	21
154	Diet Alters Micronutrient Pathways in the Gut and Placenta that Regulate Fetal Growth and Development in Pregnant Mice. <i>Reproductive Sciences</i> , 2021, 28, 447-461.	1.1	5
155	Endocrine disrupting chemicals (EDCs) and placental function: Impact on fetal brain development. <i>Advances in Pharmacology</i> , 2021, 92, 347-400.	1.2	4
156	Identification and validation of the miRNA-mRNA regulatory network in fetoplacental arterial endothelial cells of gestational diabetes mellitus. <i>Bioengineered</i> , 2021, 12, 3503-3515.	1.4	8
157	Prenatal Programming in the Fetus and Placenta. , 2021, , 53-88.		0
158	Peroxisome Proliferator-Activated Receptors (PPAR), fatty acids and microRNAs: Implications in women delivering low birth weight babies.. <i>Systems Biology in Reproductive Medicine</i> , 2021, 67, 24-41.	1.0	10
159	Parents ethanol use impairs ethanol-naive offspring development and reproduction. <i>Reproduction</i> , 2021, 161, 195-204.	1.1	2
160	A Priori and a Posteriori Dietary Patterns among Pregnant Women in Johannesburg, South Africa: The NuPED Study. <i>Nutrients</i> , 2021, 13, 565.	1.7	3
161	REPRODUCTIVE TOXICOLOGY: Impacts of paternal environment and lifestyle on maternal health during pregnancy. <i>Reproduction</i> , 2021, 162, F101-F109.	1.1	3
162	Metabolic Syndrome and Pathogenesis of Obesity-Related Adverse Outcomes in Pregnancy. , 0, , .		0
163	MicroRNA-mRNA Networks in Pregnancy Complications: A Comprehensive Downstream Analysis of Potential Biomarkers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2313.	1.8	43
164	First trimester mechanisms of gestational sac placental and foetal teratogenicity: a framework for birth cohort studies. <i>Human Reproduction Update</i> , 2021, 27, 747-770.	5.2	8
165	Low CETP activity and unique composition of large VLDL and small HDL in women giving birth to small-for-gestational age infants. <i>Scientific Reports</i> , 2021, 11, 6213.	1.6	7

#	ARTICLE	IF	CITATIONS
166	The Interactive Effect of Prepregnancy Overweight/Obesity and Isolated Maternal Hypothyroxinemia on Macrosomia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e2639-e2646.	1.8	10
167	Role of Long Chain Fatty Acids in Developmental Programming in Ruminants. <i>Animals</i> , 2021, 11, 762.	1.0	14
168	Pre-implantation exogenous progesterone and pregnancy in sheep. II. Effects on fetal-placental development and nutrient transporters in late pregnancy. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 46.	2.1	20
169	Antenatal low-intensity pulsed ultrasound reduces neurobehavioral deficits and brain injury following dexamethasone-induced intrauterine growth restriction. <i>Brain Pathology</i> , 2021, 31, e12968.	2.1	5
170	Maternal Plasma Lipids During Pregnancy, Insulin-like Growth Factor-1, and Excess Fetal Growth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e3461-e3472.	1.8	9
171	Metabolic Disease Programming: From Mitochondria to Epigenetics, Glucocorticoid Signalling and Beyond. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13625.	1.7	29
173	Perinatal Nutritional and Metabolic Pathways: Early Origins of Chronic Lung Diseases. <i>Frontiers in Medicine</i> , 2021, 8, 667315.	1.2	18
174	Programming of weight and obesity across the lifecourse by the maternal metabolic exposome: A systematic review. <i>Molecular Aspects of Medicine</i> , 2022, 87, 100986.	2.7	11
175	Prenatal exposure to consumer product chemical mixtures and size for gestational age at delivery. <i>Environmental Health</i> , 2021, 20, 68.	1.7	14
176	Diabetes type 1 and pregnancy outcome at University Hospital Center Split – a retrospective study. <i>Medicina Fluminensis</i> , 2021, 57, 190-196.	0.1	0
177	Placental Glucose Transporters and Response to Bisphenol A in Pregnancies from of Normal and Overweight Mothers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6625.	1.8	6
178	Probable Mode of Action of <i>Sita kasmaryadi</i>; Herbal Decoction in Placental Compliance – A Review. <i>Journal of Natural Remedies</i> , 2021, 21, 203.	0.1	0
180	Aberrantly Expressed Non-Coding RNAs in the Placenta and Their Role in the Pathophysiology of Gestational Diabetes Mellitus. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 3719-3732.	1.1	6
181	Role of Placental Glucose Transporters in Determining Fetal Growth. <i>Reproductive Sciences</i> , 2022, 29, 2744-2759.	1.1	12
182	Maternal Exposure to Oxidized Soybean Oil Impairs Placental Development by Modulating Nutrient Transporters in a Rat Model. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100301.	1.5	8
183	Maternal Dietary Quality and Dietary Inflammation Associations with Offspring Growth, Placental Development, and DNA Methylation. <i>Nutrients</i> , 2021, 13, 3130.	1.7	26
184	Supplementing N-carbamoylglutamate in late gestation increases newborn calf weight by enhanced placental expression of mTOR and angiogenesis factor genes in dairy cows. <i>Animal Nutrition</i> , 2021, 7, 981-988.	2.1	5
185	The unexplored role of sedentary time and physical activity in glucose and lipid metabolism-related placental mRNAs in pregnant women who are obese: the DALI lifestyle randomised controlled trial. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2022, 129, 708-721.	1.1	6

#	ARTICLE	IF	CITATIONS
186	Identifying SNPs associated with birth weight and days to 100 kg traits in Yorkshire pigs based on genotyping-by-sequencing. <i>Journal of Integrative Agriculture</i> , 2021, 20, 2483-2490.	1.7	2
187	Associations of cord metabolome and biochemical parameters with the neonatal deaths of cloned pigs. <i>Reproduction in Domestic Animals</i> , 2021, 56, 1519-1528.	0.6	1
188	Growth impairment, increased placental glucose uptake and altered transplacental transport in VIP deficient pregnancies: Maternal vs. placental contributions. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166207.	1.8	5
189	Paternal preconception phthalate exposure alters sperm methylome and embryonic programming. <i>Environment International</i> , 2021, 155, 106693.	4.8	26
190	Cell death mechanisms and their roles in pregnancy related disorders. <i>Advances in Protein Chemistry and Structural Biology</i> , 2021, 126, 195-225.	1.0	14
191	Studies in genetically modified mice implicate maternal HDL as a mediator of fetal growth. <i>FASEB Journal</i> , 2018, 32, 717-727.	0.2	4
193	Dietary patterns and diet quality during pregnancy and low birthweight: The PRINCESA cohort. <i>Maternal and Child Nutrition</i> , 2020, 16, e12972.	1.4	23
194	Nutrient sensor signaling pathways and cellular stress in fetal growth restriction. <i>Journal of Molecular Endocrinology</i> , 2019, 62, R155-R165.	1.1	44
195	Current evidence and outcomes for retinopathy of prematurity prevention: insight into novel maternal and placental contributions. , 2020, 1, 4-26.		16
196	Maternal Demographic and Placental Risk Factors in Term Low Birth Weight in Ghana. <i>Journal of Pregnancy and Child Health</i> , 2017, 04, .	0.2	1
197	Obesity, gestational weight gain, and polyunsaturated fatty acids profile in pregnant Saudi women. <i>Bioinformatics</i> , 2020, 16, 493-500.	0.2	3
198	Pregnancy Outcome and Metabolic Syndrome. <i>ISGE Series</i> , 2021, , 161-170.	0.2	0
199	GDM-complicated pregnancies: focus on adipokines. <i>Molecular Biology Reports</i> , 2021, 48, 8171-8180.	1.0	20
200	The effects of exercise during pregnancy on placental composition: A systematic review and meta-analysis. <i>Placenta</i> , 2022, 117, 39-46.	0.7	10
201	Epigenetic processes during preeclampsia and effects on fetal development and chronic health. <i>Clinical Science</i> , 2021, 135, 2307-2327.	1.8	25
202	Placental Insufficiency: The Impact on Cardiovascular Health in the Mother and Her Offspring Across the Lifespan. , 2015, , 1315-1329.		0
204	Differential Gene Expression of the Placenta in Normal and Pathological Human Pregnancy. , 2015, , 363-370.		0
205	Effects of maternal intake of n-3 fatty acids on lipid profile and leptin concentration in cord blood. <i>Marmara Medical Journal</i> , 0, , .	0.2	1

#	ARTICLE	IF	CITATIONS
207	Pregnancy-Specific Liver Disorders: Acute Fatty Liver. , 2019, , 289-300.		0
209	Low Expression of FGF23 and Its Effect on Rats with Intrauterine Growth Retardation. Maternal-Fetal Medicine, 2020, 2, 211-216.	0.4	0
210	Neuronatin gene expression levels affect foetal growth and development by regulating glucose transport in porcine placenta. Gene, 2022, 809, 146051.	1.0	5
211	Effects of apple cider vinegar on haemato-biochemical parameters of gestating rats and morphometric indices of their pups at delivery. Comparative Clinical Pathology, 2021, 30, 953.	0.3	0
212	Exploring the role of oxidative stress, fatty acids and neurotrophins in gestational diabetes mellitus. Growth Factors, 2020, 38, 226-234.	0.5	6
214	Aberrant effect of genistein on placenta development expressed through alteration in transforming growth factor- β 1 and alkaline phosphatase across the maternal serum, the placenta and the amniotic fluid. Iranian Journal of Basic Medical Sciences, 2020, 23, 1301-1306.	1.0	0
215	Role of maternal nutritional supplementation on the hormonal profile and immunohistochemical analysis of testicular development of fetal rats. Nigerian Journal of Experimental and Clinical Biosciences, 2021, 9, 172.	0.1	0
216	Hindlimb tissue composition shifts between the fetal and juvenile stages in the lamb. Translational Animal Science, 2021, 5, S38-S40.	0.4	1
217	Extravillous trophoblast migration and invasion: Impact of environmental chemicals and pharmaceuticals. Reproductive Toxicology, 2022, 107, 60-68.	1.3	15
218	Lactic Acid Transport Mediated by Aquaporin-9: Implications on the Pathophysiology of Preeclampsia. Frontiers in Physiology, 2021, 12, 774095.	1.3	6
219	Calcium selective channel TRPV6: Structure, function, and implications in health and disease. Gene, 2022, 817, 146192.	1.0	20
220	Toward better assessments of developmental toxicity using stem cell-based in vitro embryogenesis models. Birth Defects Research, 2022, 114, 972-982.	0.8	7
221	Association of maternal and umbilical cord blood asprosin with excessive gestational weight gain. Nutrition Bulletin, 2022, 47, 50-56.	0.8	4
222	Vitamin D stimulates placental L-type amino acid transporter 1 (LAT1) in preeclampsia. Scientific Reports, 2022, 12, 4651.	1.6	4
223	Influence of maternal one carbon metabolites on placental programming and long term health. Placenta, 2022, , .	0.7	1
224	Trophectoderm Transcriptome Analysis in LIN28 Knockdown Ovine Conceptuses Suggests Diverse Roles of the LIN28-let-7 Axis in Placental and Fetal Development. Cells, 2022, 11, 1234.	1.8	2
225	Epigenetic Modifications at the Center of the Barker Hypothesis and Their Transgenerational Implications. International Journal of Environmental Research and Public Health, 2021, 18, 12728.	1.2	10
227	circMAP3K4 regulates insulin resistance in trophoblast cells during gestational diabetes mellitus by modulating the miR-6795-5p/PTPN1 axis. Journal of Translational Medicine, 2022, 20, 180.	1.8	14

#	ARTICLE	IF	CITATIONS
229	Placental Tissues as Biomaterials in Regenerative Medicine. <i>BioMed Research International</i> , 2022, 2022, 1-26.	0.9	19
230	Biological networks in gestational diabetes mellitus: insights into the mechanism of crosstalk between long non-coding RNA and N6-methyladenine modification. <i>BMC Pregnancy and Childbirth</i> , 2022, 22, 384.	0.9	10
231	Maternal Gut Microbiome Decelerates Fetal Endochondral Bone Formation by Inducing Inflammatory Reaction. <i>Microorganisms</i> , 2022, 10, 1000.	1.6	1
232	Placental Anatomy and Physiology. , 2017, , 2-25.		1
233	Association of Placental Parameters with Low Birth Weight Among Neonates Born in the Public Hospitals of Hadiya Zone, Southern Ethiopia: An Institution-Based Cross-Sectional Study. <i>International Journal of General Medicine</i> , 0, Volume 15, 5005-5014.	0.8	0
234	Perspectives on the Technological Aspects and Biomedical Applications of Virus-Like Particles/Nanoparticles in Reproductive Biology: Insights on the Medicinal and Toxicological Outlook. <i>Advanced NanoBiomed Research</i> , 2022, 2, .	1.7	23
235	Maternal Underweight and Obesity Are Associated with Placental Pathologies in Human Pregnancy. <i>Reproductive Sciences</i> , 2022, 29, 3425-3448.	1.1	8
236	Gestational age, birth weight, and perinatal complications in mothers with diabetes and impaired glucose tolerance: Japan Environment and Children's Study cohort. <i>PLoS ONE</i> , 2022, 17, e0269610.	1.1	7
237	Differential proteomics of placentas reveals metabolic disturbance and oxidative damage participate yak spontaneous miscarriage during late pregnancy. <i>BMC Veterinary Research</i> , 2022, 18, .	0.7	2
238	Sex-specific effects of maternal dietary carbohydrate quality on fetal development and offspring metabolic phenotype in mice. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	2
239	Low and high postpubertal ethanol use: damage on adulthood reproduction and offspring. <i>Reproduction and Fertility</i> , 2022, 3, 140-151.	0.6	0
240	MAP3K4 promotes fetal and placental growth by controlling the receptor tyrosine kinases IGF1R/IR and Akt signaling pathway. <i>Journal of Biological Chemistry</i> , 2022, 298, 102310.	1.6	2
241	Maternal lipid profile during early pregnancy and birth weight: A retrospective study. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	7
242	Maternal diabetes negatively impacts fetal health. <i>Open Biology</i> , 2022, 12, .	1.5	1
243	Expression of Key Steroidogenic Enzymes in Human Placenta and Associated Adverse Pregnancy Outcomes. <i>Maternal-Fetal Medicine</i> , 2023, 5, 163-172.	0.4	1
244	Effect of excessive gestational weight gain on insulin sensitivity and insulin kinetics in women with overweight/obesity. <i>Obesity</i> , 2022, 30, 2014-2022.	1.5	6
245	The association between alteration of maternal lipid levels and birthweight at term: A within-family comparison. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	0
246	Evaluation of Antiaging Effect of Sheep Placenta Extract Using SAMP8 Mice. <i>Processes</i> , 2022, 10, 2242.	1.3	5

#	ARTICLE	IF	CITATIONS
247	The Ethanolic Extract of <i>Gomphrena celosioides</i> Mart. Does Not Alter Reproductive Performance or Embryo-Fetal Development, nor Does It Cause Chromosomal Damage. <i>Pharmaceutics</i> , 2022, 14, 2369.	2.0	4
248	Perinatal exposure to glyphosate-based herbicides impairs progeny health and placental angiogenesis by disturbing mitochondrial function. <i>Environment International</i> , 2022, 170, 107579.	4.8	8
249	Pediatric disorders of stature. , 2022, , .		0
250	The interaction between polyphyllin I and SQLE protein induces hepatotoxicity through SREBP-2/HMGCR/SQLE/LSS pathway. <i>Journal of Pharmaceutical Analysis</i> , 2023, 13, 39-54.	2.4	3
251	Interactions between maternal health and placental morphology on neonate body composition. , 2023, 3, 100030.		0
252	High energy diet of beef cows during gestation promoted growth performance of calves by improving placental nutrients transport. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	2
253	Protein O-GlcNAcylation as a nutrient sensor signaling placental dysfunction in hypertensive pregnancy. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	1
255	Placental volume in pregnant women with opioid use: prenatal MRI assessment. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2023, 36, .	0.7	1
256	The importance of placental lipid metabolism across gestation in obese and non-obese pregnancies. <i>Clinical Science</i> , 2023, 137, 31-34.	1.8	2
257	Maternal obesity, gestational diabetes mellitus, and diet in association with neurodevelopment of 2-year-old children. <i>Pediatric Research</i> , 2023, 94, 280-289.	1.1	6
258	Diet in Early Life Is Related to Child Mental Health and Personality at 8 Years: Findings from the Norwegian Mother, Father and Child Cohort Study (MoBa). <i>Nutrients</i> , 2023, 15, 243.	1.7	2
259	Association of maternal lipid levels with birth weight and cord blood insulin: a Bayesian network analysis. <i>BMJ Open</i> , 2022, 12, e064122.	0.8	1
260	Role of Uterine Telocytes During Pregnancy. <i>Microscopy and Microanalysis</i> , 2023, 29, 283-302.	0.2	5
262	The role of inositols in maternal adaptation, placental function, and regulation of fetal growth and development. , 2023, , 87-110.		0
263	Fetal Hepatic Lipidome Is More Greatly Affected by Maternal Rate of Gain Compared with Vitamin and Mineral Supplementation at day 83 of Gestation. <i>Metabolites</i> , 2023, 13, 175.	1.3	5
264	Maternal exposure to extreme high temperature, particulate air pollution and macrosomia in 14 countries of Africa. <i>Pediatric Obesity</i> , 2023, 18, .	1.4	0
265	Endocrine-disrupting chemicals, non-steroid anti-inflammatory drugs, analgesics and the male reproductive system developmental effects. , 2024, , 125-138.		0
268	Characterization of childhood exposure to environmental contaminants using stool in a semi-urban middle-class cohort from eastern Canada.. <i>Environmental Research</i> , 2023, 222, 115367.	3.7	2

#	ARTICLE	IF	CITATIONS
269	Risk factors combine in a complex manner in assessment for macrosomia. BMC Public Health, 2023, 23, .	1.2	1
270	Role of functional fatty acids in modulation of reproductive potential in livestock. Journal of Animal Science and Biotechnology, 2023, 14, .	2.1	7
271	Maternal and Intrauterine Influences on Feto-Placental Growth Are Accompanied by Sexually Dimorphic Changes in Placental Mitochondrial Respiration, and Metabolic Signalling Pathways. Cells, 2023, 12, 797.	1.8	2
272	Outcomes among Neonates after a Diagnosis of Persistent or Transient Fetal Growth Restriction Delivered at Term. American Journal of Perinatology, 0, , .	0.6	0
273	The Ethanolic Extract of Piper glabratum Kunth Is Teratogenic and Interferes with the Ossification Process of Swiss Mice Fetuses. Pharmaceuticals, 2023, 16, 430.	1.7	1
274	Expression of Glucose Transporters 1 and 3 in the Placenta of Pregnant Women with Gestational Diabetes Mellitus. Life, 2023, 13, 993.	1.1	0
297	Cell-based inÂvitro models for placental barrier permeability studies. , 2024, , 251-272.		0