Gernot Desoye

List of Publications by Year in Descending Order

217 papers	7,189 citations	47 h-index	74 g-index
237 ext. papers	8,478 ext. citations	5.3 avg, IF	6.01 L-index

#	Paper	IF	Citations
217	The Temporal Profile of Circulating miRNAs during Gestation in Overweight and Obese Women with or without Gestational Diabetes Mellitus.. *Biomedicines*, **2022**, 10,	4.8	3
216	Maternal Diabetes and Obesity **2022**, 555-575		0
215	Physical Activity and Sedentary Time in Pregnancy: An Exploratory Study on Oxidative Stress Markers in the Placenta of Women with Obesity. *Biomedicines*, **2022**, 10, 1069	4.8	1
214	The Distinct Role of the HDL Receptor SR-BI in Cholesterol Homeostasis of Human Placental Arterial and Venous Endothelial Cells. *International Journal of Molecular Sciences*, **2022**, 23, 5364	6.3	1
213	Type 1 Diabetes Mellitus and the First Trimester Placenta: Hyperglycemia-Induced Effects on Trophoblast Proliferation, Cell Cycle Regulators, and Invasion. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
212	Interaction between rs10830962 polymorphism in MTNR1B and lifestyle intervention on maternal and neonatal outcomes: Secondary analyses of the DALI lifestyle randomized controlled trial. *American Journal of Clinical Nutrition*, **2021**,	7	2
211	Pregnancies in Diabetes and Obesity: The Capacity-Load Model of Placental Adaptation. *Diabetes*, **2021**, 70, 823-830	0.9	3
210	Maternal Angiotensin Increases Placental Leptin in Early Gestation via an Alternative Renin-Angiotensin System Pathway: Suggesting a Link to Preeclampsia. *Hypertension*, **2021**, 77, 1723-1736	8.5	5
209	FKBPL and SIRT-1 Are Downregulated by Diabetes in Pregnancy Impacting on Angiogenesis and Endothelial Function. *Frontiers in Endocrinology*, **2021**, 12, 650328	5.7	7
208	The importance of maternal insulin resistance throughout pregnancy on neonatal adiposity. *Paediatric and Perinatal Epidemiology*, **2021**, 35, 83-91	2.7	3
207	Role of A Novel Angiogenesis FKBPL-CD44 Pathway in Preeclampsia Risk Stratification and Mesenchymal Stem Cell Treatment. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 26-41	5.6	12
206	Less sedentary time is associated with a more favourable glucose-insulin axis in obese pregnant women-a secondary analysis of the DALI study. *International Journal of Obesity*, **2021**, 45, 296-307	5.5	5
205	The Predictive Value of miR-16, -29a and -134 for Early Identification of Gestational Diabetes: A Nested Analysis of the DALI Cohort. *Cells*, **2021**, 10,	7.9	12
204	Placental mobilization of free fatty acids contributes to altered materno-fetal transfer in obesity. *International Journal of Obesity*, **2021**, 45, 1114-1123	5.5	3
203	Amino Acid Transporter LAT1 (SLC7A5) Mediates MeHg-Induced Oxidative Stress Defense in the Human Placental Cell Line HTR-8/SVneo. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
202	Different regulation of IRE1 and eIF2 pathways by oxygen and insulin in ACH-3P trophoblast model. *Reproduction*, **2021**, 162, 1-10	3.8	
201	Placental polar lipid composition is associated with placental gene expression and neonatal body composition. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2021**, 1866, 158971	5	

200	Maternal C-Peptide and Insulin Sensitivity, but Not BMI, Associate with Fatty Acids in the First Trimester of Pregnancy. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
199	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. *BJOG: an International Journal of Obstetrics and Gynaecology*, **2021**,	3.7	1
198	Cell Type- and Sex-Specific Dysregulation of Thyroid Hormone Receptors in Placentas in Gestational Diabetes Mellitus. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
197	Temporal relationships between maternal metabolic parameters with neonatal adiposity in women with obesity differ by neonatal sex: Secondary analysis of the DALI study. *Pediatric Obesity*, **2020**, 15, e12628	4.6	5
196	Growing fat in utero: timing is everything. *Lancet Diabetes and Endocrinology,the*, **2020**, 8, 259-260	18.1	3
195	Sex matters: XIST and DDX3Y gene expression as a tool to determine fetal sex in human first trimester placenta. *Placenta*, **2020**, 97, 68-70	3.4	6
194	Plasma Glycated CD59 Predicts Early Gestational Diabetes and Large for Gestational Age Newborns. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	16
193	Both glycaemic control and insulin dose during pregnancy in women with type 1 diabetes are associated with neonatal anthropometric measures and placental weight. *Diabetes/Metabolism Research and Reviews*, **2020**, 36, e3300	7.5	2
192	Maternal Obesity Alters Placental Cell Cycle Regulators in the First Trimester of Human Pregnancy: New Insights for BRCA1. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
191	The Placenta in Diabetic Pregnancy: New Methodological Approaches. *Frontiers in Diabetes*, **2020**, 145-154	5.6	2
190	Diabetes Mellitus, Obesity, and the Placenta. *Obstetrics and Gynecology Clinics of North America*, **2020**, 47, 65-79	3.3	9
189	Hyperglycemia-induced endothelial dysfunction is alleviated by thioredoxin mimetic peptides through the restoration of VEGFR-2-induced responses and improved cell survival. *International Journal of Cardiology*, **2020**, 308, 73-81	3.2	9
188	Matrix metalloproteinase 15 plays a pivotal role in human first trimester cytotrophoblast invasion and is not altered by maternal obesity. *FASEB Journal*, **2020**, 34, 10720-10730	0.9	6
187	Performance of early pregnancy HbA for predicting gestational diabetes mellitus and adverse pregnancy outcomes in obese European women. *Diabetes Research and Clinical Practice*, **2020**, 168, 108378	7.4	7
186	Maternal Obesity Affects the Glucose-Insulin Axis During the First Trimester of Human Pregnancy. *Frontiers in Endocrinology*, **2020**, 11, 566673	5.7	7
185	In vitro function and in situ localization of Multidrug Resistance-associated Protein (MRP)1 (ABCC1) suggest a protective role against methyl mercury-induced oxidative stress in the human placenta. *Archives of Toxicology*, **2020**, 94, 3799-3817	5.8	8
184	The DALI vitamin D randomized controlled trial for gestational diabetes mellitus prevention: No major benefit shown besides vitamin D sufficiency. *Clinical Nutrition*, **2020**, 39, 976-984	5.9	21
183	Diabetes in pregnancy and epigenetic mechanisms-how the first 9 months from conception might affect the child's epigenome and later risk of disease. *Lancet Diabetes and Endocrinology,the*, **2019**, 7, 796-806	18.1	26

182	Nutritional Lifestyle Intervention in Obese Pregnant Women, Including Lower Carbohydrate Intake, Is Associated With Increased Maternal Free Fatty Acids, 3-Hydroxybutyrate, and Fasting Glucose Concentrations: A Secondary Factorial Analysis of the European Multicenter, Randomized Controlled DALI Lifestyle Intervention Trial. *Diabetes Care*, **2019**, 42, 1380-1389	14.6	13
181	A reduction in sedentary behaviour in obese women during pregnancy reduces neonatal adiposity: the DALI randomised controlled trial. *Diabetologia*, **2019**, 62, 915-925	10.3	29
180	Mediators of Lifestyle Behaviour Changes in Obese Pregnant Women. Secondary Analyses from the DALI Lifestyle Randomised Controlled Trial. *Nutrients*, **2019**, 11,	6.7	5
179	Gestational diabetes mellitus. *Nature Reviews Disease Primers*, **2019**, 5, 47	51.1	308
178	Evidence of Human Milk Oligosaccharides in Cord Blood and Maternal-to-Fetal Transport across the Placenta. *Nutrients*, **2019**, 11,	6.7	14
177	The Effects of Lifestyle and/or Vitamin D Supplementation Interventions on Pregnancy Outcomes: What Have We Learned from the DALI Studies?. *Current Diabetes Reports*, **2019**, 19, 162	5.6	7
176	Associations between maternal physical activity in early and late pregnancy and offspring birth size: remote federated individual level meta-analysis from eight cohort studies. *BJOG: an International Journal of Obstetrics and Gynaecology*, **2019**, 126, 459-470	3.7	28
175	Diabesity-associated oxidative and inflammatory stress signalling in the early human placenta. *Molecular Aspects of Medicine*, **2019**, 66, 21-30	16.7	21
174	Amnion-derived mesenchymal stem cells improve viability of endothelial cells exposed to shear stress in ePTFE grafts. *International Journal of Artificial Organs*, **2019**, 42, 80-87	1.9	3
173	Evidence of human milk oligosaccharides in maternal circulation already during pregnancy: a pilot study. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 316, E347-E357	6	29
172	Cost-effectiveness of healthy eating and/or physical activity promotion in pregnant women at increased risk of gestational diabetes mellitus: economic evaluation alongside the DALI study, a European multicenter randomized controlled trial. *International Journal of Behavioral Nutrition and Physical Activity*, **2018**, 15, 23	8.4	19
171	FIGO analysis of research priorities in hyperglycemia in pregnancy. *Diabetes Research and Clinical Practice*, **2018**, 145, 5-14	7.4	11
170	Expression of matrix metalloproteinase 12 is highly specific for non-proliferating invasive trophoblasts in the first trimester and temporally regulated by oxygen-dependent mechanisms including HIF-1A. *Histochemistry and Cell Biology*, **2018**, 149, 31-42	2.4	9
169	IGF2 stimulates fetal growth in a sex- and organ-dependent manner. *Pediatric Research*, **2018**, 83, 183-189	3.2	22
168	Higher Cord Blood Levels of Fatty Acids in Pregnant Women With Type 1 Diabetes Mellitus. *Journal of Clinical Endocrinology and Metabolism*, **2018**, 103, 2620-2629	5.6	10
167	The Human Placenta in Diabetes and Obesity: Friend or Foe? The 2017 Norbert Freinkel Award Lecture. *Diabetes Care*, **2018**, 41, 1362-1369	14.6	39
166	Cell free hemoglobin in the fetoplacental circulation: a novel cause of fetal growth restriction?. *FASEB Journal*, **2018**, 32, 5436-5446	0.9	10
165	Sex-specific associations of insulin-like peptides in cord blood with size at birth. *Clinical Endocrinology*, **2018**, 89, 187-193	3.4	5

164	Risk factors for hyperglycemia in pregnancy in the DALI study differ by period of pregnancy and OGTT time point. *European Journal of Endocrinology*, **2018**, 179, 39-49	6.5	12
163	Angiopoietin-like protein 4 (ANGPTL4) is related to gestational weight gain in pregnant women with obesity. *Scientific Reports*, **2018**, 8, 12428	4.9	7
162	Human fetoplacental arterial and venous endothelial cells are differentially programmed by gestational diabetes mellitus, resulting in cell-specific barrier function changes. *Diabetologia*, **2018**, 61, 2398-2411	10.3	21
161	Relation of placental alkaline phosphatase expression in human term placenta with maternal and offspring fat mass. *International Journal of Obesity*, **2018**, 42, 1202-1210	5.5	8
160	Re: Vitamin D and gestational diabetes mellitus: a systematic review based on data free of Hawthorne effect. *BJOG: an International Journal of Obstetrics and Gynaecology*, **2018**, 125, 1338-1339	3.7	4
159	A Reduction in Sedentary Behavior in Obese Women Reduces Neonatal Adiposity□he DALI Randomized Controlled Trial. *Diabetes*, **2018**, 67, 1416-P	0.9	1
158	Placental fatty acid transfer. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2018**, 21, 78-82	3.8	29
157	Downregulation of p53 drives autophagy during human trophoblast differentiation. *Cellular and Molecular Life Sciences*, **2018**, 75, 1839-1855	10.3	21
156	Gestational diabetes alters microRNA signatures in human feto-placental endothelial cells depending on fetal sex. *Clinical Science*, **2018**, 132, 2437-2449	6.5	28
155	Association between Gestational Weight Gain, Gestational Diabetes Risk, and Obstetric Outcomes: A Randomized Controlled Trial Post Hoc Analysis. *Nutrients*, **2018**, 10,	6.7	16
154	BMI-Independent Effects of Gestational Diabetes on Human Placenta. *Journal of Clinical Endocrinology and Metabolism*, **2018**, 103, 3299-3309	5.6	18
153	Gestational diabetes mellitus modulates cholesterol homeostasis in human fetoplacental endothelium. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2018**, 1863, 968-979	5	21
152	GDM alters paracrine regulation of feto-placental angiogenesis via the trophoblast. *Laboratory Investigation*, **2017**, 97, 409-418	5.9	20
151	Maternal Type 1 diabetes activates stress response in early placenta. *Placenta*, **2017**, 50, 110-116	3.4	20
150	Placental Lipid and Fatty Acid Transfer in Maternal Overnutrition. *Annals of Nutrition and Metabolism*, **2017**, 70, 228-231	4.5	39
149	The influence of placental metabolism on fatty acid transfer to the fetus. *Journal of Lipid Research*, **2017**, 58, 443-454	6.3	64
148	Maternal Gestational Diabetes Mellitus increases placental and foetal lipoprotein-associated Phospholipase A2 which might exert protective functions against oxidative stress. *Scientific Reports* , **2017**, 7, 12628	4.9	7
147	Calcitriol regulates immune genes and to modulate LPS responses in human trophoblasts. *Reproduction*, **2017**, 154, 735-744	3.8	3

146	Gestational diabetes mellitus is associated with increased pro-migratory activation of vascular endothelial growth factor receptor 2 and reduced expression of vascular endothelial growth factor receptor 1. *PLoS ONE*, **2017**, 12, e0182509	3.7	16
145	Is a motivational interviewing based lifestyle intervention for obese pregnant women across Europe implemented as planned? Process evaluation of the DALI study. *BMC Pregnancy and Childbirth*, **2017**, 17, 293	3.2	4
144	Correlates of poor mental health in early pregnancy in obese European women. *BMC Pregnancy and Childbirth*, **2017**, 17, 404	3.2	5
143	Endothelin-1 down-regulates matrix metalloproteinase 14 and 15 expression in human first trimester trophoblasts via endothelin receptor type B. *Human Reproduction*, **2017**, 32, 46-54	5.7	19
142	Epidemiology of gestational diabetes mellitus according to IADPSG/WHO 2013 criteria among obese pregnant women in Europe. *Diabetologia*, **2017**, 60, 1913-1921	10.3	88
141	Maternal obesity modulates intracellular lipid turnover in the human term placenta. *International Journal of Obesity*, **2017**, 41, 317-323	5.5	50
140	Human Placental Hofbauer Cells Maintain an Anti-inflammatory M2 Phenotype despite the Presence of Gestational Diabetes Mellitus. *Frontiers in Immunology*, **2017**, 8, 888	8.4	52
139	Epigenetic adaptation of the placental serotonin transporter gene (SLC6A4) to gestational diabetes mellitus. *PLoS ONE*, **2017**, 12, e0179934	3.7	12
138	Effect of Physical Activity and/or Healthy Eating on GDM Risk: The DALI Lifestyle Study. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 903-913	5.6	97
137	Maternal and fetal lipid metabolism under normal and gestational diabetic conditions. *Hormone Molecular Biology and Clinical Investigation*, **2016**, 26, 109-27	1.3	75
136	Sedentary behavior in obese pregnant women is associated with inflammatory markers and lipid profile but not with glucose metabolism. *Cytokine*, **2016**, 88, 91-98	4	12
135	An international network (PlaNet) to evaluate a human placental testing platform for chemicals safety testing in pregnancy. *Reproductive Toxicology*, **2016**, 64, 191-202	3.4	12
134	Pigment epithelium-derived factor (PEDF): a novel trophoblast-derived factor limiting feto-placental angiogenesis in late pregnancy. *Angiogenesis*, **2016**, 19, 373-88	10.6	22
133	Post-transcriptional down regulation of ICAM-1 in feto-placental endothelium in GDM. *Cell Adhesion and Migration*, **2016**, 10, 18-27	3.2	18
132	Sex differences in the association of cord blood insulin with subcutaneous adipose tissue in neonates. *International Journal of Obesity*, **2016**, 40, 538-42	5.5	13
131	Placental membrane-type metalloproteinases (MT-MMPs): Key players in pregnancy. *Cell Adhesion and Migration*, **2016**, 10, 136-46	3.2	22
130	TNF-□alters the inflammatory secretion profile of human first trimester placenta. *Laboratory Investigation*, **2016**, 96, 428-38	5.9	44
129	Cytokines and their association with insulin resistance in obese pregnant women with different levels of physical activity. *Cytokine*, **2016**, 77, 72-8	4	11

128	Beliefs, Barriers, and Preferences of European Overweight Women to Adopt a Healthier Lifestyle in Pregnancy to Minimize Risk of Developing Gestational Diabetes Mellitus: An Explorative Study. *Journal of Pregnancy*, **2016**, 2016, 3435791	2.5	23
127	The fetal glucose steal: an underappreciated phenomenon in diabetic pregnancy. *Diabetologia*, **2016**, 59, 1089-94	10.3	96
126	IADPSG and WHO 2013 Gestational Diabetes Mellitus Criteria Identify Obese Women With Marked Insulin Resistance in Early Pregnancy. *Diabetes Care*, **2016**, 39, e90-2	14.6	50
125	Going into labor and beyond: phospholipase A2 in pregnancy. *Reproduction*, **2016**, 151, R91-R102	3.8	7
124	Results From a European Multicenter Randomized Trial of Physical Activity and/or Healthy Eating to Reduce the Risk of Gestational Diabetes Mellitus: The DALI Lifestyle Pilot. *Diabetes Care*, **2015**, 38, 1650-6	14.6	77
123	Physical activity, depressed mood and pregnancy worries in European obese pregnant women: results from the DALI study. *BMC Pregnancy and Childbirth*, **2015**, 15, 158	3.2	24
122	Epigenetic regulation of human placental function and pregnancy outcome: considerations for causal inference. *American Journal of Obstetrics and Gynecology*, **2015**, 213, S182-96	6.4	82
121	Gestational diabetes mellitus upregulates vitamin D receptor in extravillous trophoblasts and fetoplacental endothelial cells. *Reproductive Sciences*, **2015**, 22, 358-66	3	21
120	Diabetes-associated changes in the fetal insulin/insulin-like growth factor system are organ specific in rats. *Pediatric Research*, **2015**, 77, 48-55	3.2	18
119	The feto-placental dialogue and diabesity. *Best Practice and Research in Clinical Obstetrics and Gynaecology*, **2015**, 29, 15-23	4.6	31
118	Dysregulated flow-mediated vasodilatation in the human placenta in fetal growth restriction. *Journal of Physiology*, **2015**, 593, 3077-92	3.9	34
117	A proposal for the use of uniform diagnostic criteria for gestational diabetes in Europe: an opinion paper by the European Board & College of Obstetrics and Gynaecology (EBCOG). *Diabetologia*, **2015**, 58, 1422-9	10.3	45
116	GDM Alters Expression of Placental Estrogen Receptor In a Cell Type and Gender-Specific Manner. *Reproductive Sciences*, **2015**, 22, 1488-95	3	23
115	Oxygen and glucose dependent viability of HLA-G positive and negative trophoblasts using ACH-3P cells as first trimester trophoblast-derived cell model. *Journal of Reproductive Health and Medicine*, **2015**, 1, 4-9		2
114	Gestational diabetes mellitus modulates neonatal high-density lipoprotein composition and its functional heterogeneity. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2014**, 1841, 1619-27	5	28
113	Expression of serum amyloid A4 in human trophoblast-like choriocarcinoma cell lines and human first trimester/term trophoblast cells. *Placenta*, **2014**, 35, 661-4	3.4	1
112	Intima-media thickness measurements in the fetus and mother during pregnancy: a feasibility study. *Ultrasound in Medicine and Biology*, **2014**, 40, 1949-57	3.5	7
111	Some preliminary matrix-assisted laser desorption/ionization imaging experiments on maternal and fetal sides of human placenta. *European Journal of Mass Spectrometry*, **2014**, 20, 261-9	1.1	4

110	Physical activity in overweight and obese pregnant women is associated with higher levels of proinflammatory cytokines and with reduced insulin response through interleukin-6. *Diabetes Care*, **2014**, 37, 1132-9	14.6	18
109	Metalloprotease dependent release of placenta derived fractalkine. *Mediators of Inflammation*, **2014**, 2014, 839290	4.3	8
108	Glucose, insulin, and oxygen interplay in placental hypervascularisation in diabetes mellitus. *BioMed Research International*, **2014**, 2014, 145846	3	39
107	Different Preference of Degradome in Invasion versus Angiogenesis. *Cells Tissues Organs*, **2014**, 200, 181-94	2.1	5
106	Have we neglected the role of fetal endothelium in transplacental transport?. *Traffic*, **2014**, 15, 122-6	5.7	19
105	Cord blood chemerin: differential effects of gestational diabetes mellitus and maternal obesity. *Clinical Endocrinology*, **2014**, 80, 65-72	3.4	23
104	Hyperinsulinemia stimulates angiogenesis of human fetoplacental endothelial cells: a possible role of insulin in placental hypervascularization in diabetes mellitus. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, E1438-47	5.6	43
103	Variable promoter methylation contributes to differential expression of key genes in human placenta-derived venous and arterial endothelial cells. *BMC Genomics*, **2013**, 14, 475	4.5	29
102	DALI: Vitamin D and lifestyle intervention for gestational diabetes mellitus (GDM) prevention: an European multicentre, randomised trial - study protocol. *BMC Pregnancy and Childbirth*, **2013**, 13, 142	3.2	73
101	Distinct composition of human fetal HDL attenuates its anti-oxidative capacity. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2013**, 1831, 737-46	5	40
100	Glucose as a fetal nutrient: dynamic regulation of several glucose transporter genes by DNA methylation in the human placenta across gestation. *Journal of Nutritional Biochemistry*, **2013**, 24, 282-8	6.3	41
99	The placental exposome: placental determinants of fetal adiposity and postnatal body composition. *Annals of Nutrition and Metabolism*, **2013**, 63, 208-15	4.5	56
98	Membrane-type matrix metalloproteinase 1 regulates trophoblast functions and is reduced in fetal growth restriction. *American Journal of Pathology*, **2013**, 182, 1563-71	5.8	20
97	A preliminary investigation on placenta protein profile reveals only modest changes in well controlled gestational diabetes mellitus. *European Journal of Mass Spectrometry*, **2013**, 19, 211-23	1.1	17
96	Acyl chain-dependent effect of lysophosphatidylcholine on endothelium-dependent vasorelaxation. *PLoS ONE*, **2013**, 8, e65155	3.7	23
95	The human placental sexome differs between trophoblast epithelium and villous vessel endothelium. *PLoS ONE*, **2013**, 8, e79233	3.7	68
94	The placenta and gestational diabetes mellitus. *Current Diabetes Reports*, **2012**, 12, 16-23	5.6	99
93	Oxygen modulates the response of first-trimester trophoblasts to hyperglycemia. *American Journal of Pathology*, **2012**, 180, 153-64	5.8	26

92	Amnion-derived mesenchymal stromal cells show angiogenic properties but resist differentiation into mature endothelial cells. *Stem Cells and Development*, **2012**, 21, 1309-20	4.4	52
91	Complex expression changes of the placental endothelin system in early and late onset preeclampsia, fetal growth restriction and gestational diabetes. *Life Sciences*, **2012**, 91, 710-5	6.8	22
90	Vitamin D and Lifestyle Intervention for Gestational Diabetes Mellitus Prevention *Diabetologe*, **2012**, 8, 647-651	0.2	
89	Differential response of arterial and venous endothelial cells to extracellular matrix is modulated by oxygen. *Histochemistry and Cell Biology*, **2012**, 137, 641-55	2.4	6
88	The feto-placental endothelium in pregnancy pathologies. *Wiener Medizinische Wochenschrift*, **2012** , 162, 220-4	2.9	16
87	Fetal insulin and IGF-II contribute to gestational diabetes mellitus (GDM)-associated up-regulation of membrane-type matrix metalloproteinase 1 (MT1-MMP) in the human feto-placental endothelium. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, 3613-21	5.6	43
86	Phospholipid transfer protein in the placental endothelium is affected by gestational diabetes mellitus. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, 437-45	5.6	19
85	Phospholipid transfer protein is differentially expressed in human arterial and venous placental endothelial cells and enhances cholesterol efflux to fetal HDL. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, 2466-74	5.6	24
84	Placental fatty acid transport in maternal obesity. *Journal of Developmental Origins of Health and Disease*, **2012**, 3, 409-14	2.4	32
83	The role of oxidative stress in the pathophysiology of gestational diabetes mellitus. *Antioxidants and Redox Signaling*, **2011**, 15, 3061-100	8.4	226
82	Placental transport in pregnancy pathologies. *American Journal of Clinical Nutrition*, **2011**, 94, 1896S-1902S	7	74
81	Dysregulation of placental endothelial lipase in obese women with gestational diabetes mellitus. *Diabetes*, **2011**, 60, 2457-64	0.9	71
80	Endothelial lipase (EL) and EL-generated lysophosphatidylcholines promote IL-8 expression in endothelial cells. *Atherosclerosis*, **2011**, 214, 338-44	3.1	26
79	Diabetes and the Placenta **2011**, 228-236		5
78	Mapping of CIP/KIP inhibitors, G1 cyclins D1, D3, E and p53 proteins in the rat term placenta. *Histochemistry and Cell Biology*, **2011**, 136, 267-78	2.4	7
77	Endothelin-1 stimulates proliferation of first-trimester trophoblasts via the A- and B-type receptor and invasion via the B-type receptor. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, 3408-15	5.6	11
76	A new possible function for placental pericytes. *Cells Tissues Organs*, **2011**, 194, 76-84	2.1	10
75	Fetal HDL/apoE: a novel regulator of gene expression in human placental endothelial cells. *Physiological Genomics*, **2011**, 43, 1255-62	3.6	19

74	Four and a half LIM protein 1C (FHL1C): a binding partner for voltage-gated potassium channel K(v1.5). *PLoS ONE*, **2011**, 6, e26524	3.7	7
73	Caspases rather than calpains mediate remodelling of the fodrin skeleton during human placental trophoblast fusion. *Cell Death and Differentiation*, **2010**, 17, 336-45	12.7	45
72	Acyl chain-dependent effect of lysophosphatidylcholine on endothelial prostacyclin production. *Journal of Lipid Research*, **2010**, 51, 2957-66	6.3	39
71	The Placenta in Diabetes in Pregnancy **2010**, 26-33		3
70	Human endothelial cells of the placental barrier efficiently deliver cholesterol to the fetal circulation via ABCA1 and ABCG1. *Circulation Research*, **2009**, 104, 600-8	15.7	129
69	Identification of novel trophoblast invasion-related genes: heme oxygenase-1 controls motility via peroxisome proliferator-activated receptor gamma. *Endocrinology*, **2009**, 150, 1000-13	4.8	93
68	Insulin and the IGF system in the human placenta of normal and diabetic pregnancies. *Journal of Anatomy*, **2009**, 215, 60-8	2.9	147
67	Defective insulin signaling in placenta from pregnancies complicated by gestational diabetes mellitus. *European Journal of Endocrinology*, **2009**, 160, 567-78	6.5	139
66	Insulin action on the human placental endothelium in normal and diabetic pregnancy. *Current Vascular Pharmacology*, **2009**, 7, 460-6	3.3	35
65	Human fetal placental endothelial cells have a mature arterial and a juvenile venous phenotype with adipogenic and osteogenic differentiation potential. *Differentiation*, **2008**, 76, 1031-43	3.5	78
64	Human trophoblast cells express the immunomodulator progesterone-induced blocking factor. *Journal of Reproductive Immunology*, **2008**, 79, 26-36	4.2	31
63	Novel homeobox genes are differentially expressed in placental microvascular endothelial cells compared with macrovascular cells. *Placenta*, **2008**, 29, 624-30	3.4	36
62	The placenta in diabetic pregnancy: Placental transfer of nutrients. *Series in Maternal-fetal Medicine* , **2008**, 47-56		2
61	MT1-MMP expression in first-trimester placental tissue is upregulated in type 1 diabetes as a result of elevated insulin and tumor necrosis factor-alpha levels. *Diabetes*, **2008**, 57, 150-7	0.9	47
60	Regulation of placental growth hormone secretion in a human trophoblast model--the effects of hormones and adipokines. *Pediatric Research*, **2008**, 63, 353-7	3.2	25
59	The human placenta in gestational diabetes mellitus. The insulin and cytokine network. *Diabetes Care*, **2007**, 30 Suppl 2, S120-6	14.6	235
58	The first trimester human trophoblast cell line ACH-3P: a novel tool to study autocrine/paracrine regulatory loops of human trophoblast subpopulations--TNF-alpha stimulates MMP15 expression. *BMC Developmental Biology*, **2007**, 7, 137	3.1	62
57	Expression and cellular localisation of chloride intracellular channel 3 in human placenta and fetal membranes. *Placenta*, **2007**, 28, 429-36	3.4	17

56	Kisspeptins and the placenta: regulation of trophoblast invasion. *Reviews in Endocrine and Metabolic Disorders*, **2007**, 8, 31-9	10.5	91
55	Intrauterine growth restriction is associated with alterations in placental lipoprotein receptors and maternal lipoprotein composition. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 292, E476-84	6	64
54	Dysregulation of placental endothelial lipase and lipoprotein lipase in intrauterine growth-restricted pregnancies. *Journal of Clinical Endocrinology and Metabolism*, **2007**, 92, 2256-63	5.6	88
53	Endothelin-1 attenuates apoptosis in cultured trophoblasts from term human placentas. *Reproductive Sciences*, **2007**, 14, 430-9	3	8
52	Insulin control of placental gene expression shifts from mother to foetus over the course of pregnancy. *Diabetologia*, **2006**, 49, 123-31	10.3	72
51	Up-regulation of the endothelin receptor A in placental tissue from first trimester delayed miscarriages. *Journal of the Society for Gynecologic Investigation*, **2006**, 13, 435-41		4
50	hCMV induced IL-6 release in trophoblast and trophoblast like cells. *Journal of Clinical Virology*, **2006**, 37, 91-7	14.5	19
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