

David Stephen Charnock-Jones

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208 papers	15,807 citations	63 h-index	121 g-index
223 ext. papers	17,277 ext. citations	6.8 avg, IF	6.38 L-index

#	Paper	IF	Citations
208	Synergism between vascular endothelial growth factor and placental growth factor contributes to angiogenesis and plasma extravasation in pathological conditions. <i>Nature Medicine</i> , 2001 , 7, 575-83	50.5	1346
207	Expression of vascular endothelial growth factor and its receptors flt and KDR in ovarian carcinoma. <i>Journal of the National Cancer Institute</i> , 1995 , 87, 506-16	9.7	414
206	Identification and localization of alternately spliced mRNAs for vascular endothelial growth factor in human uterus and estrogen regulation in endometrial carcinoma cell lines. <i>Biology of Reproduction</i> , 1993 , 48, 1120-8	3.9	400
205	Vascular endothelial growth factor is produced by peritoneal fluid macrophages in endometriosis and is regulated by ovarian steroids. <i>Journal of Clinical Investigation</i> , 1996 , 98, 482-9	15.9	341
204	Placental endoplasmic reticulum stress and oxidative stress in the pathophysiology of unexplained intrauterine growth restriction and early onset preeclampsia. <i>Placenta</i> , 2009 , 30 Suppl A, S43-8	3.4	327
203	Aspects of human fetoplacental vasculogenesis and angiogenesis. II. Changes during normal pregnancy. <i>Placenta</i> , 2004 , 25, 114-26	3.4	325
202	A vascular endothelial growth factor antagonist is produced by the human placenta and released into the maternal circulation. <i>Biology of Reproduction</i> , 1998 , 59, 1540-8	3.9	325
201	Human placenta has no microbiome but can contain potential pathogens. <i>Nature</i> , 2019 , 572, 329-334	50.4	323
200	Hypoxia-reoxygenation: a potent inducer of apoptotic changes in the human placenta and possible etiological factor in preeclampsia. <i>Circulation Research</i> , 2002 , 90, 1274-81	15.7	320
199	Evidence of placental translation inhibition and endoplasmic reticulum stress in the etiology of human intrauterine growth restriction. <i>American Journal of Pathology</i> , 2008 , 173, 451-62	5.8	286
198	Vascular endothelial growth factor (VEGF) concentrations are elevated in peritoneal fluid of women with endometriosis. <i>Human Reproduction</i> , 1996 , 11, 220-3	5.7	283
197	A longitudinal study of biochemical variables in women at risk of preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2002 , 187, 127-36	6.4	273
196	Aspects of human fetoplacental vasculogenesis and angiogenesis. I. Molecular regulation. <i>Placenta</i> , 2004 , 25, 103-13	3.4	269
195	Redefining preeclampsia using placenta-derived biomarkers. <i>Hypertension</i> , 2013 , 61, 932-42	8.5	259
194	Aspects of human fetoplacental vasculogenesis and angiogenesis. III. Changes in complicated pregnancies. <i>Placenta</i> , 2004 , 25, 127-39	3.4	249
193	Determination of the transcript profile of human endometrium. <i>Molecular Human Reproduction</i> , 2003 , 9, 19-33	4.4	247
192	Localization of VEGF and expression of its receptors flt and KDR in human placenta throughout pregnancy. <i>Human Reproduction</i> , 1996 , 11, 1090-8	5.7	244

191	Angiogenic growth factor messenger ribonucleic acids in uterine natural killer cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 1823-34	5.6	233
190	Oxidative stress, gene expression, and protein changes induced in the human placenta during labor. <i>American Journal of Pathology</i> , 2007 , 171, 1168-79	5.8	231
189	The influence of the intrauterine environment on human placental development. <i>International Journal of Developmental Biology</i> , 2010 , 54, 303-12	1.9	214
188	Vascular endothelial growth factor receptor localization and activation in human trophoblast and choriocarcinoma cells. <i>Biology of Reproduction</i> , 1994 , 51, 524-30	3.9	214
187	Antiangiogenic agents are effective inhibitors of endometriosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 2889-99	5.6	213
186	Regulation of vascular growth and function in the human placenta. <i>Reproduction</i> , 2009 , 138, 895-902	3.8	209
185	Alternative splicing of vascular endothelial growth factor (VEGF)-R1 (FLT-1) pre-mRNA is important for the regulation of VEGF activity. <i>Molecular Endocrinology</i> , 1999 , 13, 537-45		190
184	Leukaemia inhibitory factor mRNA concentration peaks in human endometrium at the time of implantation and the blastocyst contains mRNA for the receptor at this time. <i>Reproduction</i> , 1994 , 101, 421-6	3.8	186
183	Angiogenic Growth Factor Messenger Ribonucleic Acids in Uterine Natural Killer Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 1823-1834	5.6	183
182	Stage-specific expression of cytokine and receptor messenger ribonucleic acids in human preimplantation embryos. <i>Biology of Reproduction</i> , 1995 , 53, 974-81	3.9	182
181	Secretion of tumor necrosis factor-alpha from human placental tissues induced by hypoxia-reoxygenation causes endothelial cell activation in vitro: a potential mediator of the inflammatory response in preeclampsia. <i>American Journal of Pathology</i> , 2004 , 164, 1049-61	5.8	168
180	Comparison of expression patterns for placenta growth factor, vascular endothelial growth factor (VEGF), VEGF-B and VEGF-C in the human placenta throughout gestation. <i>Journal of Endocrinology</i> , 1998 , 159, 459-67	4.7	166
179	Recognizing the reagent microbiome. <i>Nature Microbiology</i> , 2018 , 3, 851-853	26.6	161
178	Expression of mRNA for vascular endothelial growth factor in human placenta. <i>Reproduction</i> , 1993 , 99, 609-15	3.8	158
177	Nuclear factor-kappa B, p38, and stress-activated protein kinase mitogen-activated protein kinase signaling pathways regulate proinflammatory cytokines and apoptosis in human placental explants in response to oxidative stress: effects of antioxidant vitamins. <i>American Journal of Pathology</i> , 2007 , 170, 1511-20	5.8	156
176	Vitamin C and E supplementation in women at risk of preeclampsia is associated with changes in indices of oxidative stress and placental function. <i>American Journal of Obstetrics and Gynecology</i> , 2002 , 187, 777-84	6.4	156
175	VavCre transgenic mice: a tool for mutagenesis in hematopoietic and endothelial lineages. <i>Genesis</i> , 2002 , 34, 251-6	1.9	144
174	Human early placental development: potential roles of the endometrial glands. <i>Placenta</i> , 2007 , 28 Suppl A, S64-9	3.4	142

173	Vascular Endothelial Growth Factor Expression in Human Endometrium Is Regulated by Hypoxia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 402-409	5.6	128
172	Vascular endothelial growth factor-D is an independent prognostic factor in epithelial ovarian carcinoma. <i>British Journal of Cancer</i> , 2003 , 88, 237-44	8.7	125
171	Endometrial-peritoneal interactions during endometriotic lesion establishment. <i>American Journal of Pathology</i> , 2008 , 173, 700-15	5.8	121
170	VEGF mRNA levels in placentae from pregnancies complicated by pre-eclampsia. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1996 , 103, 1191-6	3.7	120
169	Localization of leukemia inhibitory factor and its receptor in human placenta throughout pregnancy. <i>Biology of Reproduction</i> , 1999 , 60, 355-64	3.9	111
168	The effect of delaying childbirth on primary cesarean section rates. <i>PLoS Medicine</i> , 2008 , 5, e144	11.6	109
167	Wnt5a-mediated non-canonical Wnt signalling regulates human endothelial cell proliferation and migration. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 365, 285-90	3.4	107
166	Maternal plasma levels of vascular endothelial growth factor in normotensive pregnancies and in pregnancies complicated by pre-eclampsia. <i>European Journal of Clinical Investigation</i> , 1996 , 26, 1182-5	4.6	107
165	Regulation of AKT phosphorylation at Ser473 and Thr308 by endoplasmic reticulum stress modulates substrate specificity in a severity dependent manner. <i>PLoS ONE</i> , 2011 , 6, e17894	3.7	107
164	Endoplasmic reticulum stress exacerbates ischemia-reperfusion-induced apoptosis through attenuation of Akt protein synthesis in human choriocarcinoma cells. <i>FASEB Journal</i> , 2007 , 21, 872-84	0.9	106
163	Differential activation of placental unfolded protein response pathways implies heterogeneity in causation of early- and late-onset pre-eclampsia. <i>Journal of Pathology</i> , 2014 , 234, 262-76	9.4	102
162	The Regulation and Localization of Angiopoietin-1, -2, and Their Receptor Tie2 in Normal and Pathologic Human Placentae. <i>Molecular Medicine</i> , 2001 , 7, 624-635	6.2	102
161	Immunohistochemical localization of acidic and basic fibroblast growth factors in normal human endometrium and endometriosis and the detection of their mRNA by polymerase chain reaction. <i>Human Reproduction</i> , 1993 , 8, 11-6	5.7	102
160	Soluble FLT1 sensitizes endothelial cells to inflammatory cytokines by antagonizing VEGF receptor-mediated signalling. <i>Cardiovascular Research</i> , 2011 , 89, 671-9	9.9	96
159	Inhibition of Stat3 activation in the endometrium prevents implantation: a nonsteroidal approach to contraception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8585-90	11.5	92
158	Changes in Tumorigenesis- and Angiogenesis-related Gene Transcript Abundance Profiles in Ovarian Cancer Detected by Tailored High Density cDNA Arrays. <i>Molecular Medicine</i> , 2000 , 6, 750-765	6.2	92
157	Localization of vascular endothelial growth factor and its receptor, flt, in human placenta and decidua by immunohistochemistry. <i>Reproduction</i> , 1995 , 105, 205-13	3.8	92
156	Vascular endothelial growth factor is elevated in ocular fluids of eyes harbouring uveal melanoma: identification of a potential therapeutic window. <i>British Journal of Ophthalmology</i> , 2002 , 86, 448-52	5.5	90

155	Expression of vascular endothelial growth factor (VEGF)-D and its receptor, VEGF receptor 3, as a prognostic factor in endometrial carcinoma. <i>Clinical Cancer Research</i> , 2003 , 9, 1361-9	12.9	89
154	Distribution of the A and B forms of the progesterone receptor messenger ribonucleic acid and protein in uterine leiomyomata and adjacent myometrium. <i>Human Reproduction</i> , 1997 , 12, 815-22	5.7	88
153	Mifepristone induced progesterone withdrawal reveals novel regulatory pathways in human endometrium. <i>Molecular Human Reproduction</i> , 2007 , 13, 641-54	4.4	88
152	Independent component analysis of microarray data in the study of endometrial cancer. <i>Oncogene</i> , 2004 , 23, 6677-83	9.2	84
151	Prediction of Preeclampsia Using the Soluble fms-Like Tyrosine Kinase 1 to Placental Growth Factor Ratio: A Prospective Cohort Study of Unselected Nulliparous Women. <i>Hypertension</i> , 2017 , 69, 731-738	8.5	78
150	Statistical inference of transcriptional module-based gene networks from time course gene expression profiles by using state space models. <i>Bioinformatics</i> , 2008 , 24, 932-42	7.2	75
149	Placental vascular morphogenesis. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2000 , 14, 953-68	4.6	68
148	In vitro and in vivo effects of the PPAR-alpha agonists fenofibrate and retinoic acid in endometrial cancer. <i>Molecular Cancer</i> , 2006 , 5, 13	42.1	67
147	Screening for fetal growth restriction using fetal biometry combined with maternal biomarkers. <i>American Journal of Obstetrics and Gynecology</i> , 2018 , 218, S725-S737	6.4	64
146	The effect of progestins on vascular endothelial growth factor, oestrogen receptor and progesterone receptor immunoreactivity and endothelial cell density in human endometrium. <i>Human Reproduction</i> , 2000 , 15 Suppl 3, 85-95	5.7	64
145	Screening for fetal growth restriction using ultrasound and the sFLT1/PLGF ratio in nulliparous women: a prospective cohort study. <i>The Lancet Child and Adolescent Health</i> , 2018 , 2, 569-581	14.5	63
144	Intralobular differences in antioxidant enzyme expression and activity reflect the pattern of maternal arterial bloodflow within the human placenta. <i>Placenta</i> , 2003 , 24, 517-23	3.4	63
143	Placental endoplasmic reticulum stress negatively regulates transcription of placental growth factor via ATF4 and ATF6ßimplications for the pathophysiology of human pregnancy complications. <i>Journal of Pathology</i> , 2016 , 238, 550-61	9.4	63
142	Endoplasmic reticulum stress disrupts placental morphogenesis: implications for human intrauterine growth restriction. <i>Journal of Pathology</i> , 2012 , 228, 554-64	9.4	62
141	The natural compound n-butylidenephthalide derived from the volatile oil of Radix Angelica sinensis inhibits angiogenesis in vitro and in vivo. <i>Angiogenesis</i> , 2011 , 14, 187-97	10.6	61
140	Characterization and expression of vascular endothelial growth factor (VEGF) in the ovine corpus luteum. <i>Reproduction</i> , 1996 , 108, 157-65	3.8	60
139	Presence of messenger ribonucleic acid for endothelin-1, endothelin-2, and endothelin-3 in human endometrium and a change in the ratio of ETA and ETB receptor subtype across the menstrual cycle. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1992 , 75, 1545-9	5.6	60
138	Developmental control of the Nlrp6 inflammasome and a substrate, IL-18, in mammalian intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, G253-63	5.1	58

137	Identification of mRNA for epidermal growth factor and transforming growth factor- α present in low copy number in human endometrium and decidua using reverse transcriptase-polymerase chain reaction. <i>Journal of Molecular Endocrinology</i> , 1991 , 6, 207-14	4.5	58
136	Decreased levels of the potent regulator of monocyte/macrophage activation, interleukin-13, in the peritoneal fluid of patients with endometriosis. <i>Human Reproduction</i> , 1997 , 12, 1307-10	5.7	57
135	Immunolocalization of the apoptosis regulating proteins Bcl-2 and Bax in human endometrium and isolated peritoneal fluid macrophages in endometriosis. <i>Human Reproduction</i> , 1997 , 12, 146-52	5.7	56
134	Study protocol. A prospective cohort study of unselected primiparous women: the pregnancy outcome prediction study. <i>BMC Pregnancy and Childbirth</i> , 2008 , 8, 51	3.2	56
133	Quantification of messenger ribonucleic acid for epidermal growth factor in human myometrium and leiomyomata using reverse transcriptase polymerase chain reaction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1994 , 78, 1179-84	5.6	56
132	Fetus-derived DLK1 is required for maternal metabolic adaptations to pregnancy and is associated with fetal growth restriction. <i>Nature Genetics</i> , 2016 , 48, 1473-1480	36.3	55
131	Localization and quantification of vascular endothelial growth factor messenger ribonucleic acid in human myometrium and leiomyomata. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1995 , 80, 1853-8	5.6	53
130	New protocols for DNA sequencing with dye terminators. <i>DNA Sequence</i> , 1992 , 3, 61-4		53
129	Gene network inference and visualization tools for biologists: application to new human transcriptome datasets. <i>Nucleic Acids Research</i> , 2012 , 40, 2377-98	20.1	52
128	Nimesulide, a COX-2 inhibitor, does not reduce lesion size or number in a nude mouse model of endometriosis. <i>Human Reproduction</i> , 2005 , 20, 350-8	5.7	52
127	Luteal oxytocin: characteristics and control of synchronous episodes of oxytocin and PGF2 α secretion at luteolysis in ruminants. <i>Domestic Animal Endocrinology</i> , 1990 , 7, 111-24	2.3	51
126	Wnt-1 signaling inhibits human umbilical vein endothelial cell proliferation and alters cell morphology. <i>Experimental Cell Research</i> , 2003 , 291, 415-25	4.2	49
125	Energy status and HIF signalling in chorionic villi show no evidence of hypoxic stress during human early placental development. <i>Molecular Human Reproduction</i> , 2015 , 21, 296-308	4.4	48
124	Quantification of messenger ribonucleic acid for epidermal growth factor in human myometrium and leiomyomata using reverse transcriptase polymerase chain reaction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1994 , 78, 1179-1184	5.6	47
123	Presence of messenger ribonucleic acid for endothelin-1, endothelin-2, and endothelin-3 in human endometrium and a change in the ratio of ETA and ETB receptor subtype across the menstrual cycle. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1992 , 75, 1545-1549	5.6	46
122	Expression of vascular endothelial growth factor (VEGF) and placental growth factor (PlGF) in conceptus and endometrium during implantation in the rhesus monkey. <i>Molecular Human Reproduction</i> , 2000 , 6, 935-41	4.4	45
121	Hepatocyte growth factor/scatter factor and its receptor c-met: localisation and expression in the human placenta throughout pregnancy. <i>Journal of Endocrinology</i> , 1996 , 151, 459-67	4.7	45
120	RNA-seq reveals conservation of function among the yolk sacs of human, mouse, and chicken. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E4753-E4761	11.5	44

119	Activation of mutated K-ras in donor endometrial epithelium and stroma promotes lesion growth in an intact immunocompetent murine model of endometriosis. <i>Journal of Pathology</i> , 2011 , 224, 261-9	9.4	44
118	Expression and localization of the Th2-type cytokine interleukin-13 and its receptor in the placenta during human pregnancy. <i>American Journal of Reproductive Immunology</i> , 1998 , 40, 283-90	3.8	44
117	Inherent mosaicism and extensive mutation of human placentas. <i>Nature</i> , 2021 , 592, 80-85	50.4	44
116	Soluble vascular endothelial growth factor receptor 1 inhibits edema and epithelial proliferation induced by 17beta-estradiol in the mouse uterus. <i>Endocrinology</i> , 2003 , 144, 326-34	4.8	43
115	Morphological and molecular changes in the murine placenta exposed to normobaric hypoxia throughout pregnancy. <i>Journal of Physiology</i> , 2016 , 594, 1371-88	3.9	43
114	Reduced levels of VEGF-A and MMP-2 and MMP-9 activity and increased TNF-alpha in menstrual endometrium and effluent in women with menorrhagia. <i>Human Reproduction</i> , 2006 , 21, 2158-66	5.7	42
113	Three-dimensional modeling of human placental terminal villi. <i>Placenta</i> , 2016 , 43, 54-60	3.4	41
112	Cyclooxygenase-1 and -2 in human placenta and placental bed after normal and pre-eclamptic pregnancies. <i>Human Reproduction</i> , 1997 , 12, 2313-20	5.7	40
111	Localization and quantification of vascular endothelial growth factor messenger ribonucleic acid in human myometrium and leiomyomata. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1995 , 80, 1853-1858	5.6	39
110	A maternal serum metabolite ratio predicts fetal growth restriction at term. <i>Nature Medicine</i> , 2020 , 26, 348-353	50.5	38
109	Soluble flt-1 and the angiopoietins in the development and regulation of placental vasculature. <i>Journal of Anatomy</i> , 2002 , 200, 607-15	2.9	38
108	Concentrations of oxytocin-neurophysin prohormone mRNA in corpora lutea of sheep during the oestrous cycle and in early pregnancy. <i>Journal of Endocrinology</i> , 1988 , 117, 409-14	4.7	37
107	A-ring dihalogenation increases the cellular activity of combretastatin-templated tetrazoles. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 177-81	4.3	36
106	Characterization of serotonin receptors in pregnant human myometrium. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 328, 682-91	4.7	36
105	Intraovarian actions of anti-angiogenic agents disrupt periovulatory events during the menstrual cycle in monkeys. <i>Contraception</i> , 2005 , 71, 239-48	2.5	36
104	Role of soluble endoglin in BMP9 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 17800-17808	11.5	35
103	The pregnancy outcome prediction (POP) study: Investigating the relationship between serial prenatal ultrasonography, biomarkers, placental phenotype and adverse pregnancy outcomes. <i>Placenta</i> , 2017 , 59, S17-S25	3.4	35
102	Understanding endothelial cell apoptosis: what can the transcriptome, glycome and proteome reveal?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007 , 362, 1469-87	5.8	34

101	The effect of RU486 on the gene expression profile in an endometrial explant model. <i>Molecular Human Reproduction</i> , 2003 , 9, 465-73	4.4	34
100	Endothelial cells preparing to die by apoptosis initiate a program of transcriptome and glycome regulation. <i>FASEB Journal</i> , 2004 , 18, 188-90	0.9	33
99	Human pregnancy zone protein stabilizes misfolded proteins including preeclampsia- and Alzheimer's-associated amyloid beta peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6101-6110	11.5	32
98	Estimating genome-wide gene networks using nonparametric Bayesian network models on massively parallel computers. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2011 , 8, 683-97	3	32
97	Inhibition of breast carcinoma and trophoblast cell invasiveness by vascular endothelial growth factor. <i>Experimental Cell Research</i> , 2003 , 283, 247-55	4.2	31
96	Distribution of vascular endothelial growth factor (VEGF) and its binding sites at the maternal-fetal interface during gestation in pigs. <i>Reproduction</i> , 2001 , 122, 753-760	3.8	31
95	Alternatively spliced mRNAs for human endothelin-2 and their tissue distribution. <i>Biochemical and Biophysical Research Communications</i> , 1993 , 193, 834-40	3.4	31
94	Placental hypoxia, endoplasmic reticulum stress and maternal endothelial sensitisation by sFLT1 in pre-eclampsia. <i>Journal of Reproductive Immunology</i> , 2016 , 114, 81-5	4.2	30
93	Placental polyamine metabolism differs by fetal sex, fetal growth restriction, and preeclampsia. <i>JCI Insight</i> , 2018 , 3,	9.9	30
92	Models of endometriosis and their utility in studying progression to ovarian clear cell carcinoma. <i>Journal of Pathology</i> , 2016 , 238, 185-96	9.4	29
91	Analysis of PPARalpha-dependent and PPARalpha-independent transcript regulation following fenofibrate treatment of human endothelial cells. <i>Angiogenesis</i> , 2009 , 12, 221-9	10.6	29
90	Bioinformatic analysis of primary endothelial cell gene array data illustrated by the analysis of transcriptome changes in endothelial cells exposed to VEGF-A and PlGF. <i>Angiogenesis</i> , 2004 , 7, 143-56	10.6	29
89	Progesterin regulates chemokine (C-X-C motif) ligand 14 transcript level in human endometrium. <i>Molecular Human Reproduction</i> , 2010 , 16, 170-7	4.4	28
88	Cloning and characterization of a gene encoding pig epidermal growth factor. <i>Journal of Molecular Endocrinology</i> , 1991 , 6, 63-70	4.5	28
87	Placental vessel adaptation during gestation and to high altitude: changes in diameter and perivascular cell coverage. <i>Placenta</i> , 2002 , 23, 751-62	3.4	28
86	ELABELA/APELA Levels Are Not Decreased in the Maternal Circulation or Placenta among Women with Preeclampsia. <i>American Journal of Pathology</i> , 2018 , 188, 1749-1753	5.8	26
85	Genome-wide oxidative bisulfite sequencing identifies sex-specific methylation differences in the human placenta. <i>Epigenetics</i> , 2018 , 13, 228-239	5.7	24
84	Computational modeling of the structure-function relationship in human placental terminal villi. <i>Journal of Biomechanics</i> , 2016 , 49, 3780-3787	2.9	24

83	In-vivo gene transfer to the uterine endometrium. <i>Human Reproduction</i> , 1997 , 12, 17-20	5.7	23
82	Antivascular and anticancer activity of dihalogenated A-ring analogues of combretastatin A-4. <i>MedChemComm</i> , 2010 , 1, 202	5	22
81	Localization of the VEGF and angiopoietin genes in uterine carcinosarcoma. <i>Gynecologic Oncology</i> , 2004 , 95, 474-82	4.9	22
80	Ovarian clear cell carcinoma--bad endometriosis or bad endometrium?. <i>Journal of Pathology</i> , 2011 , 225, 157-60	9.4	21
79	Hepatocyte growth factor levels during normal and intra-uterine growth-restricted pregnancies. <i>Placenta</i> , 1998 , 19, 671-3	3.4	21
78	Immunoneutralization of vascular endothelial growth factor inhibits pregnancy establishment in the rhesus monkey (<i>Macaca mulatta</i>). <i>Reproduction</i> , 2007 , 133, 1199-211	3.8	21
77	Expression of CD105 (endoglin) in arteriolar endothelial cells of human endometrium throughout the menstrual cycle. <i>Reproduction</i> , 2002 , 124, 703-11	3.8	21
76	Batch effects account for the main findings of an in utero human intestinal bacterial colonization study. <i>Microbiome</i> , 2021 , 9, 6	16.6	21
75	Birth weight to placenta weight ratio and its relationship to ultrasonic measurements, maternal and neonatal morbidity: A prospective cohort study of nulliparous women. <i>Placenta</i> , 2018 , 63, 45-52	3.4	21
74	Quantitative cellular and molecular analysis of the effect of progesterone withdrawal in a murine model of decidualization. <i>Biology of Reproduction</i> , 2007 , 76, 871-83	3.9	20
73	Novel antiangiogenic agents for use in contraception. <i>Contraception</i> , 2005 , 71, 263-71	2.5	20
72	4-Hydroxyglutamate is a novel predictor of pre-eclampsia. <i>International Journal of Epidemiology</i> , 2020 , 49, 301-311	7.8	20
71	The effect of etonogestrel on VEGF, oestrogen and progesterone receptor immunoreactivity and endothelial cell number in human endometrium. <i>Human Reproduction</i> , 1999 , 14, 3080-7	5.7	19
70	Expression of messenger RNA for kit-ligand in human placenta: localization by in situ hybridization and identification of alternatively spliced variants. <i>Molecular Endocrinology</i> , 1992 , 6, 1235-41		19
69	Transcript profile and localization of Wnt signaling-related molecules in human endometrium. <i>Fertility and Sterility</i> , 2008 , 90, 201-4	4.8	18
68	Localization and control of expression of VEGF-A and the VEGFR-2 receptor in fetal sheep intestines. <i>Pediatric Research</i> , 2008 , 63, 143-8	3.2	18
67	Quantification of mRNA in human tissue using fluorescent nested reverse-transcriptase polymerase chain reaction. <i>Analytical Biochemistry</i> , 1994 , 220, 384-90	3.1	18
66	Does the human corpus luteum synthesize neurohypophysial hormones?. <i>Journal of Endocrinology</i> , 1988 , 116, 163-5	4.7	18

65	Leptin Matures Aspects of Lung Structure and Function in the Ovine Fetus. <i>Endocrinology</i> , 2016 , 157, 395-404	4.8	18
64	The relationship between human placental morphometry and ultrasonic measurements of utero-placental blood flow and fetal growth. <i>Placenta</i> , 2016 , 38, 41-8	3.4	17
63	Increased endothelial cell selectivity of triazole-bridged dihalogenated A-ring analogues of combretastatin A-1. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 1749-59	3.4	17
62	MMP1 bimodal expression and differential response to inflammatory mediators is linked to promoter polymorphisms. <i>BMC Genomics</i> , 2011 , 12, 43	4.5	17
61	A rapid semi-automated microtiter plate method for analysis and sequencing by PCR from bacterial stocks. <i>Nucleic Acids Research</i> , 1989 , 17, 9498	20.1	17
60	Transcriptome analysis of endometrial cancer identifies peroxisome proliferator-activated receptors as potential therapeutic targets. <i>Molecular Cancer Therapeutics</i> , 2004 , 3, 993-1001	6.1	17
59	A high-throughput platform for detailed lipidomic analysis of a range of mouse and human tissues. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 2851-2862	4.4	16
58	Influence of speed of sample processing on placental energetics and signalling pathways: implications for tissue collection. <i>Placenta</i> , 2014 , 35, 103-8	3.4	16
57	Vasohibin-1 is identified as a master-regulator of endothelial cell apoptosis using gene network analysis. <i>BMC Genomics</i> , 2013 , 14, 23	4.5	16
56	Angiogenic growth factor expression in placenta. <i>Seminars in Perinatology</i> , 2000 , 24, 82-6	3.3	16
55	Paraoxonase-3, a putative circulating antioxidant, is systemically up-regulated in late gestation in the fetal rat, sheep, and human. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 3798-805	5.6	15
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