

Berthold Huppertz

List of Publications by Citations

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227
papers

11,630
citations

58
h-index

100
g-index

248
ext. papers

13,054
ext. citations

4.3
avg, IF

6.7
L-index

#	Paper	IF	Citations
227	Endovascular trophoblast invasion: implications for the pathogenesis of intrauterine growth retardation and preeclampsia. <i>Biology of Reproduction</i> , 2003 , 69, 1-7	3.9	848
226	Placental origins of preeclampsia: challenging the current hypothesis. <i>Hypertension</i> , 2008 , 51, 970-5	8.5	685
225	Development of the placental villous tree and its consequences for fetal growth. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2000 , 92, 35-43	2.4	416
224	Villous cytotrophoblast regulation of the syncytial apoptotic cascade in the human placenta. <i>Histochemistry and Cell Biology</i> , 1998 , 110, 495-508	2.4	304
223	Apoptosis and its role in the trophoblast. <i>American Journal of Obstetrics and Gynecology</i> , 2006 , 195, 29-30	4.4	260
222	Hypoxia favours necrotic versus apoptotic shedding of placental syncytiotrophoblast into the maternal circulation. <i>Placenta</i> , 2003 , 24, 181-90	3.4	238
221	The apoptosis cascade--morphological and immunohistochemical methods for its visualization. <i>Anatomy and Embryology</i> , 1999 , 200, 1-18		238
220	Macrophage-induced apoptosis limits endovascular trophoblast invasion in the uterine wall of preeclamptic women. <i>Laboratory Investigation</i> , 2001 , 81, 1143-52	5.9	232
219	Apoptosis in the trophoblast--role of apoptosis in placental morphogenesis. <i>Journal of the Society for Gynecologic Investigation</i> , 2004 , 11, 353-62		194
218	Immunohistochemistry of matrix metalloproteinases (MMP), their substrates, and their inhibitors (TIMP) during trophoblast invasion in the human placenta. <i>Cell and Tissue Research</i> , 1998 , 291, 133-48	4.2	181
217	Developmental biology of the placenta and the origins of placental insufficiency. <i>Seminars in Fetal and Neonatal Medicine</i> , 2004 , 9, 357-69	3.7	178
216	Human placental explants in culture: approaches and assessments. <i>Placenta</i> , 2005 , 26, 439-48	3.4	169
215	Vasculogenesis and angiogenesis in the early human placenta. <i>Acta Histochemica</i> , 2007 , 109, 257-65	2	168
214	The anatomy of the normal placenta. <i>Journal of Clinical Pathology</i> , 2008 , 61, 1296-302	3.9	158
213	Sequential expression of VEGF and its receptors in human placental villi during very early pregnancy: differences between placental vasculogenesis and angiogenesis. <i>Placenta</i> , 2004 , 25, 560-72	3.4	148
212	Syncytial fusion of human trophoblast depends on caspase 8. <i>Cell Death and Differentiation</i> , 2004 , 11, 90-8	12.7	144
211	Heparin and aspirin attenuate placental apoptosis in vitro: implications for early pregnancy failure. <i>American Journal of Obstetrics and Gynecology</i> , 2005 , 192, 23-30	6.4	138

210	DNA methylation heterogeneity defines a disease spectrum in Ewing sarcoma. <i>Nature Medicine</i> , 2017 , 23, 386-395	50.5	128
209	Pre-eclampsia and maternal anaemia display reduced apoptosis and opposite invasive phenotypes of extravillous trophoblast. <i>Placenta</i> , 2003 , 24, 540-8	3.4	128
208	Divergent trophoblast invasion and apoptosis in placental bed spiral arteries from pregnancies complicated by maternal anemia and early-onset preeclampsia/intrauterine growth restriction. <i>American Journal of Obstetrics and Gynecology</i> , 2006 , 194, 557-63	6.4	124
207	The distribution of macrophages in spiral arteries of the placental bed in pre-eclampsia differs from that in healthy patients. <i>Placenta</i> , 1999 , 20, 229-33	3.4	124
206	Trophoblast fusion: fusogenic proteins, syncytins and ADAMs, and other prerequisites for syncytial fusion. <i>Micron</i> , 2006 , 37, 509-17	2.3	121
205	Placental and trophoblastic in vitro models to study preventive and therapeutic agents for preeclampsia. <i>Placenta</i> , 2011 , 32 Suppl, S49-54	3.4	117
204	Vasculogenesis and angiogenesis in the endometrium during menstrual cycle and implantation. <i>Acta Histochemica</i> , 2010 , 112, 203-14	2	116
203	Villous sprouting: fundamental mechanisms of human placental development. <i>Human Reproduction Update</i> , 2000 , 6, 485-94	15.8	115
202	Longitudinal determination of serum placental protein 13 during development of preeclampsia. <i>Fetal Diagnosis and Therapy</i> , 2008 , 24, 230-6	2.4	113
201	The choriocarcinoma cell line BeWo: syncytial fusion and expression of syncytium-specific proteins. <i>Reproduction</i> , 2010 , 140, 759-66	3.8	111
200	Fetal cells and cell free fetal nucleic acids in maternal blood: new tools to study abnormal placentation?. <i>Placenta</i> , 2005 , 26, 515-26	3.4	109
199	Vascular biology in implantation and placentation. <i>Angiogenesis</i> , 2005 , 8, 157-67	10.6	109
198	Sequential steps during vasculogenesis and angiogenesis in the very early human placenta. <i>Placenta</i> , 2006 , 27, 535-9	3.4	95
197	Endoglandular trophoblast, an alternative route of trophoblast invasion? Analysis with novel confrontation co-culture models. <i>Human Reproduction</i> , 2010 , 25, 1127-36	5.7	94
196	A comparative study of the effect of three different syncytiotrophoblast micro-particles preparations on endothelial cells. <i>Placenta</i> , 2005 , 26, 59-66	3.4	92
195	The fibrinoids of the human placenta: origin, composition and functional relevance. <i>Annals of Anatomy</i> , 1996 , 178, 485-501	2.9	91
194	Trophoblast invasion and oxygenation of the placenta: measurements versus presumptions. <i>Journal of Reproductive Immunology</i> , 2014 , 101-102, 74-79	4.2	89
193	Bi-potential behaviour of cytotrophoblasts in first trimester chorionic villi. <i>Placenta</i> , 2006 , 27, 367-74	3.4	87

192	Detection of fetal DNA and RNA in placenta-derived syncytiotrophoblast microparticles generated in vitro. <i>Clinical Chemistry</i> , 2004 , 50, 2187-90	5.5	86
191	Factors involved in regulating trophoblast fusion: potential role in the development of preeclampsia. <i>Placenta</i> , 2009 , 30 Suppl A, S49-54	3.4	85
190	Expression of a cytokeratin 18 neo-epitope is a specific marker for trophoblast apoptosis in human placenta. <i>Placenta</i> , 2001 , 22, 44-8	3.4	85
189	Adverse effects of lupus anticoagulant positive blood sera on placental viability can be prevented by heparin in vitro. <i>American Journal of Obstetrics and Gynecology</i> , 2004 , 191, 2125-31	6.4	79
188	Effects of oxygen on cell turnover and expression of regulators of apoptosis in human placental trophoblast. <i>Placenta</i> , 2008 , 29, 175-86	3.4	77
187	Complex patterns of GCM1 mRNA and protein in villous and extravillous trophoblast cells of the human placenta. <i>Placenta</i> , 2004 , 25, 553-9	3.4	77
186	Governing the invasive trophoblast: current aspects on intra- and extracellular regulation. <i>American Journal of Reproductive Immunology</i> , 2010 , 63, 492-505	3.8	71
185	Invasive depth of extravillous trophoblast correlates with cellular phenotype: a comparison of intra- and extrauterine implantation sites. <i>Histochemistry and Cell Biology</i> , 2002 , 117, 401-14	2.4	70
184	Apoptosis and syncytial fusion in human placental trophoblast and skeletal muscle. <i>International Review of Cytology</i> , 2001 , 205, 215-53		69
183	Oxygen as modulator of trophoblast invasion. <i>Journal of Anatomy</i> , 2009 , 215, 14-20	2.9	67
182	A comparative study of five physiological key parameters between four different human trophoblast-derived cell lines. <i>Scientific Reports</i> , 2017 , 7, 5892	4.9	66
181	The trophoblast plug during early pregnancy: a deeper insight. <i>Histochemistry and Cell Biology</i> , 2016 , 146, 749-756	2.4	64
180	The Critical Role of Abnormal Trophoblast Development in the Etiology of Preeclampsia. <i>Current Pharmaceutical Biotechnology</i> , 2018 , 19, 771-780	2.6	64
179	Pregenesys pre-eclampsia markers consensus meeting: What do we require from markers, risk assessment and model systems to tailor preventive strategies?. <i>Placenta</i> , 2011 , 32 Suppl, S4-16	3.4	62
178	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. <i>BMC Developmental Biology</i> , 2007 , 7, 137	3.1	62
177	Trophoblast fusion. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 713, 81-95	3.6	62
176	Human trophoblast invasion: new and unexpected routes and functions. <i>Histochemistry and Cell Biology</i> , 2018 , 150, 361-370	2.4	61
175	Evidence from the very beginning: endoglandular trophoblasts penetrate and replace uterine glands in situ and in vitro. <i>Human Reproduction</i> , 2015 , 30, 2747-57	5.7	61

174	Soluble factors of amnion-derived cells in treatment of inflammatory and fibrotic pathologies. <i>Current Stem Cell Research and Therapy</i> , 2013 , 8, 6-14	3.6	61
173	Extravillous trophoblasts invade more than uterine arteries: evidence for the invasion of uterine veins. <i>Histochemistry and Cell Biology</i> , 2017 , 147, 353-366	2.4	58
172	Aberrations of early trophoblast differentiation predispose to pregnancy failure: lessons from the anti-phospholipid syndrome. <i>Placenta</i> , 2006 , 27, 869-75	3.4	58
171	The placental exposome: placental determinants of fetal adiposity and postnatal body composition. <i>Annals of Nutrition and Metabolism</i> , 2013 , 63, 208-15	4.5	56
170	Placental protein 13 (PP13): a new biological target shifting individualized risk assessment to personalized drug design combating pre-eclampsia. <i>Human Reproduction Update</i> , 2013 , 19, 391-405	15.8	55
169	IFPA Award in Placentology Lecture: Biology of the placental syncytiotrophoblast--myths and facts. <i>Placenta</i> , 2010 , 31 Suppl, S75-81	3.4	55
168	Effects of circulating and local uteroplacental angiotensin II in rat pregnancy. <i>Hypertension</i> , 2010 , 56, 311-8	8.5	54
167	Amnion-derived mesenchymal stromal cells show angiogenic properties but resist differentiation into mature endothelial cells. <i>Stem Cells and Development</i> , 2012 , 21, 1309-20	4.4	52
166	The paradox of caspase 8 in human villous trophoblast fusion. <i>Placenta</i> , 2010 , 31, 82-8	3.4	52
165	Distribution of decidual natural killer cells and macrophages in the neighbourhood of the trophoblast invasion front: a quantitative evaluation. <i>Human Reproduction</i> , 2014 , 29, 8-17	5.7	50
164	Inhibitory NK receptor recognition of HLA-G: regulation by contact residues and by cell specific expression at the fetal-maternal interface. <i>PLoS ONE</i> , 2010 , 5, e8941	3.7	50
163	Altered protease expression by periarterial trophoblast cells in severe early-onset preeclampsia with IUGR. <i>Journal of Perinatal Medicine</i> , 2006 , 34, 272-9	2.7	49
162	Regulation of proliferation and apoptosis during development of the preimplantation embryo and the placenta. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2005 , 75, 249-61		49
161	Cytochrome P450 subfamily 2J polypeptide 2 expression and circulating epoxyeicosatrienoic metabolites in preeclampsia. <i>Circulation</i> , 2012 , 126, 2990-9	16.7	48
160	3-dimensional colour power angiography for staging human placental development. <i>Lancet, The</i> , 2003 , 362, 1199-201	40	48
159	Trophoblast turnover in health and disease. <i>Fetal and Maternal Medicine Review</i> , 2002 , 13,		48
158	Are morphological criteria sufficient for the identification of circulating tumor cells in renal cancer?. <i>Journal of Translational Medicine</i> , 2013 , 11, 214	8.5	47
157	Prediction of preeclampsia - a workshop report. <i>Placenta</i> , 2008 , 29 Suppl A, S83-5	3.4	47

156	Caspases rather than calpains mediate remodelling of the fodrin skeleton during human placental trophoblast fusion. <i>Cell Death and Differentiation</i> , 2010 , 17, 336-45	12.7	45
155	Hofbauer cells of M2a, M2b and M2c polarization may regulate fetoplacental angiogenesis. <i>Reproduction</i> , 2016 , 152, 447-55	3.8	44
154	TNF- α alters the inflammatory secretion profile of human first trimester placenta. <i>Laboratory Investigation</i> , 2016 , 96, 428-38	5.9	44
153	Placental pathology in pregnancy complications. <i>Thrombosis Research</i> , 2011 , 127 Suppl 3, S96-9	8.2	43
152	Traditional and New Routes of Trophoblast Invasion and Their Implications for Pregnancy Diseases. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	43
151	Implantation and extravillous trophoblast invasion: From rare archival specimens to modern biobanking. <i>Placenta</i> , 2017 , 56, 19-26	3.4	41
150	The fetomaternal interface: setting the stage for potential immune interactions. <i>Seminars in Immunopathology</i> , 2007 , 29, 83-94	12	41
149	Cytogenetic and DNA-fingerprint characterization of choriocarcinoma cell lines and a trophoblast/choriocarcinoma cell hybrid. <i>Cancer Genetics and Cytogenetics</i> , 2000 , 116, 16-22		39
148	New insights into the biology of preeclampsia. <i>Biology of Reproduction</i> , 2006 , 74, 772-6	3.9	38
147	The reference trap revisited: examples of the dangers in using ratios to describe fetoplacental angiogenesis and trophoblast turnover. <i>Placenta</i> , 2003 , 24, 1-7	3.4	38
146	Placenta trophoblast fusion. <i>Methods in Molecular Biology</i> , 2008 , 475, 135-47	1.4	38
145	A possible protective role of Nrf2 in preeclampsia. <i>Annals of Anatomy</i> , 2014 , 196, 268-77	2.9	37
144	Characterization of fetal cells from the maternal circulation by microarray gene expression analysis--could the extravillous trophoblasts be a target for future cell-based non-invasive prenatal diagnosis?. <i>Fetal Diagnosis and Therapy</i> , 2014 , 35, 218-27	2.4	37
143	An improved and rapid method to construct skin equivalents from human hair follicles and fibroblasts. <i>Experimental Dermatology</i> , 2001 , 10, 264-71	4	37
142	Trophoblastic invasion in vitro and in vivo: similarities and differences. <i>Human Reproduction</i> , 2008 , 23, 2282-91	5.7	35
141	Matrix metalloproteinases-2, -3 and -9 in human term placenta. <i>Acta Histochemica</i> , 2007 , 109, 403-12	2	35
140	CD74-Downregulation of Placental Macrophage-Trophoblastic Interactions in Preeclampsia. <i>Circulation Research</i> , 2016 , 119, 55-68	15.7	34
139	Placental mesenchymal stromal cells derived from blood vessels or avascular tissues: what is the better choice to support endothelial cell function?. <i>Stem Cells and Development</i> , 2015 , 24, 115-31	4.4	32

138	The art of identification of extravillous trophoblast. <i>Placenta</i> , 2011 , 32, 197-9	3.4	32
137	Role of a fetal defence mechanism against oxidative stress in the aetiology of preeclampsia. <i>Histopathology</i> , 2009 , 55, 102-6	7.3	32
136	Endogenous retroviral syncytin: compilation of experimental research on syncytin and its possible role in normal and disturbed human placentogenesis. <i>Molecular Human Reproduction</i> , 2004 , 10, 581-8	4.4	32
135	The vitamin E-binding protein afamin increases in maternal serum during pregnancy. <i>Clinica Chimica Acta</i> , 2014 , 434, 41-7	6.2	31
134	Disturbed Placental Imprinting in Preeclampsia Leads to Altered Expression of DLX5, a Human-Specific Early Trophoblast Marker. <i>Circulation</i> , 2017 , 136, 1824-1839	16.7	31
133	Fusion of villous trophoblast can be visualized by localizing active caspase 8. <i>Placenta</i> , 2009 , 30, 547-50	3.4	31
132	A role for Nrf2 in redox signalling of the invasive extravillous trophoblast in severe early onset IUGR associated with preeclampsia. <i>PLoS ONE</i> , 2012 , 7, e47055	3.7	30
131	HO-1 inhibits preadipocyte proliferation and differentiation at the onset of obesity via ROS dependent activation of Akt2. <i>Scientific Reports</i> , 2017 , 7, 40881	4.9	29
130	Placental fractalkine is up-regulated in severe early-onset preeclampsia. <i>American Journal of Pathology</i> , 2015 , 185, 1334-43	5.8	29
129	An integrative view on the physiology of human early placental villi. <i>Progress in Biophysics and Molecular Biology</i> , 2014 , 114, 33-48	4.7	29
128	Anti-adhesive glycosylation of fibronectin-like molecules in human placental matrix-type fibrinoid. <i>Histochemistry and Cell Biology</i> , 1995 , 104, 317-29	2.4	29
127	Effects of placental protein 13 on the cardiovascular system in gravid and non-gravid rodents. <i>Fetal Diagnosis and Therapy</i> , 2013 , 33, 257-64	2.4	28
126	Placental markers of folate-related metabolism in preeclampsia. <i>Reproduction</i> , 2011 , 142, 467-76	3.8	28
125	Placental expression of sFlt-1 and PlGF in early preeclampsia vs. early IUGR vs. age-matched healthy pregnancies. <i>Hypertension in Pregnancy</i> , 2017 , 36, 151-160	2	27
124	Trophoblast differentiation, fetal growth restriction and preeclampsia. <i>Pregnancy Hypertension</i> , 2011 , 1, 79-86	2.6	27
123	Perinatal Derivatives: Where Do We Stand? A Roadmap of the Human Placenta and Consensus for Tissue and Cell Nomenclature. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 610544	5.8	27
122	Oxygen modulates the response of first-trimester trophoblasts to hyperglycemia. <i>American Journal of Pathology</i> , 2012 , 180, 153-64	5.8	26
121	Trophoblasts reduce the vascular smooth muscle cell proatherogenic response. <i>Hypertension</i> , 2008 , 51, 554-9	8.5	26

120	Placental morphology: from molecule to mother -- a dedication to Peter Kaufmann -- a review. <i>Placenta</i> , 2006 , 27 Suppl A, S3-8	3.4	26
119	Human trophoblast contains an intracellular protein reactive with an antibody against CD133--a novel marker for trophoblast. <i>Placenta</i> , 2001 , 22, 639-45	3.4	26
118	Trophoblast retrieval and isolation from the cervix: origins of cervical trophoblasts and their potential value for risk assessment of ongoing pregnancies. <i>Human Reproduction Update</i> , 2018 , 24, 484-496	15.8	25
117	Maternal-fetal interactions, predictive markers for preeclampsia, and programming. <i>Journal of Reproductive Immunology</i> , 2015 , 108, 26-32	4.2	25
116	Effects of vitamins C and E, acetylsalicylic acid and heparin on fusion, beta-hCG and PP13 expression in BeWo cells. <i>Placenta</i> , 2010 , 31, 431-8	3.4	25
115	Mesenchymal stromal cells from the human placenta promote neovascularization in a mouse model <i>in vivo</i> . <i>Placenta</i> , 2014 , 35, 517-9	3.4	24
114	Placenta-bound and body fluid PP13 and its mRNA in normal pregnancy compared to preeclampsia, HELLP and preterm delivery. <i>Placenta</i> , 2011 , 32 Suppl, S30-6	3.4	24
113	Magnetomitotransfer: An efficient way for direct mitochondria transfer into cultured human cells. <i>Scientific Reports</i> , 2016 , 6, 35571	4.9	23
112	A variety of opportunities for immune interactions during trophoblast development and invasion. <i>American Journal of Reproductive Immunology</i> , 2012 , 67, 349-57	3.8	23
111	Ultrasound detection of placental insufficiency in women with unexplained abnormal maternal serum screening results. <i>Clinical Genetics</i> , 2006 , 69, 97-104	4	23
110	The trophoblast survival capacity in preeclampsia. <i>PLoS ONE</i> , 2017 , 12, e0186909	3.7	22
109	Pigment epithelium-derived factor (PEDF): a novel trophoblast-derived factor limiting fetoplacental angiogenesis in late pregnancy. <i>Angiogenesis</i> , 2016 , 19, 373-88	10.6	22
108	Spatial and temporal distribution of Tie-1 and Tie-2 during very early development of the human placenta. <i>Placenta</i> , 2006 , 27, 648-59	3.4	22
107	Effect of high oxygen on placental function in short-term explant cultures. <i>Cell and Tissue Research</i> , 2007 , 328, 607-16	4.2	21
106	Endothelin A and B receptors change their expression levels during development of human placental villi. <i>Placenta</i> , 2000 , 21, 536-46	3.4	21
105	GDM alters paracrine regulation of fetoplacental angiogenesis via the trophoblast. <i>Laboratory Investigation</i> , 2017 , 97, 409-418	5.9	20
104	Expression of CD24 and Siglec-10 in first trimester placenta: implications for immune tolerance at the fetal-maternal interface. <i>Histochemistry and Cell Biology</i> , 2017 , 147, 565-574	2.4	20
103	Quality Matters: 2016 Annual Conference of the National Infrastructures for Biobanking. <i>Biopreservation and Biobanking</i> , 2017 , 15, 270-276	2.1	20

102	Sustainability in Biobanking: Model of Biobank Graz. <i>Biopreservation and Biobanking</i> , 2015 , 13, 410-20	2.1	20
101	Placental protein 13 (PP13)-induced vasodilation of resistance arteries from pregnant and nonpregnant rats occurs via endothelial-signaling pathways. <i>Hypertension in Pregnancy</i> , 2017 , 36, 186-195		19
100	Differential expression of VE-cadherin and VEGFR2 in placental syncytiotrophoblast during preeclampsia - New perspectives to explain the pathophysiology. <i>Placenta</i> , 2010 , 31, 339-43	3.4	19
99	N-cadherin knockdown leads to disruption of trophoblastic and endothelial cell interaction in a 3D cell culture model - New insights in trophoblast invasion failure. <i>Cell Adhesion and Migration</i> , 2018 , 12, 259-270	3.2	19
98	The human placenta is encircled by a ring of smooth muscle cells. <i>Placenta</i> , 2000 , 21, 122-5	3.4	18
97	Placental Protein 13 Administration to Pregnant Rats Lowers Blood Pressure and Augments Fetal Growth and Venous Remodeling. <i>Fetal Diagnosis and Therapy</i> , 2016 , 39, 56-63	2.4	17
96	Galectin 13 (PP13) Facilitates Remodeling and Structural Stabilization of Maternal Vessels during Pregnancy. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	17
95	Oxygenation of the placenta and its role in pre-eclampsia. <i>Pregnancy Hypertension</i> , 2014 , 4, 244-5	2.6	17
94	Nucleic acid sequence of feline preprorelaxin and its localization within the feline placenta. <i>Biology of Reproduction</i> , 1999 , 60, 305-11	3.9	17
93	Challenges and Driving Forces for Business Plans in Biobanking. <i>Biopreservation and Biobanking</i> , 2017 , 15, 121-125	2.1	16
92	A role for GPR55 in human placental venous endothelial cells. <i>Histochemistry and Cell Biology</i> , 2015 , 144, 49-58	2.4	16
91	A lab-on-a-chip system with an embedded porous membrane-based impedance biosensor array for nanoparticle risk assessment on placental Bewo trophoblast cells. <i>Sensors and Actuators B: Chemical</i> , 2020 , 312, 127946	8.5	16
90	Oxidatively modified LDL particles in the human placenta in early and late onset intrauterine growth restriction. <i>Placenta</i> , 2013 , 34, 1142-9	3.4	16
89	Does 2D-Histologic identification of villous types of human placentas at birth enable sensitive and reliable interpretation of 3D structure?. <i>Placenta</i> , 2015 , 36, 1425-32	3.4	16
88	The role of the carbohydrate recognition domain of placental protein 13 (PP13) in pregnancy evaluated with recombinant PP13 and the DelT221 PP13 variant. <i>PLoS ONE</i> , 2014 , 9, e102832	3.7	16
87	Soluble factors released by placental villous tissue: Interleukin-1 is a potential mediator of endothelial dysfunction. <i>American Journal of Obstetrics and Gynecology</i> , 2005 , 192, 618-24	6.4	16
86	Circulating fetal DNA in maternal plasma is increased in pregnancies at high altitude and is further enhanced by preeclampsia. <i>Clinical Chemistry</i> , 2004 , 50, 2403-5	5.5	15
85	Placental fractalkine mediates adhesion of THP-1 monocytes to villous trophoblast. <i>Histochemistry and Cell Biology</i> , 2015 , 143, 565-74	2.4	14

84	Concerted upregulation of CLP36 and smooth muscle actin protein expression in human endometrium during decidualization. <i>Cells Tissues Organs</i> , 2005 , 179, 109-14	2.1	14
83	Human placental transthyretin in fetal growth restriction in combination with preeclampsia and the HELLP syndrome. <i>Histochemistry and Cell Biology</i> , 2012 , 138, 925-32	2.4	13
82	Effects of calcium, magnesium, low-dose aspirin and low-molecular-weight heparin on the release of PP13 from placental explants. <i>Placenta</i> , 2011 , 32 Suppl, S55-64	3.4	13
81	Increased placental sFlt-1 but unchanged PlGF expression in late-onset preeclampsia. <i>Hypertension in Pregnancy</i> , 2017 , 36, 175-185	2	12
80	Placental expression of D-chiro-inositol phosphoglycans in preeclampsia. <i>Placenta</i> , 2012 , 33, 882-4	3.4	12
79	Endothelin-1 stimulates proliferation of first-trimester trophoblasts via the A- and B-type receptor and invasion via the B-type receptor. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 3408-15 ^{5.6}		11
78	Parent cells for trophoblast hybridization I: Isolation of extravillous trophoblast cells from human term chorion laeve. <i>Placenta</i> , 1997 , 18, 181-190	3.4	11
77	Parent cells for trophoblast hybridization II: AC1 and related trophoblast cell lines, a family of HGPRT-negative mutants of the choriocarcinoma cell line JEG-3. <i>Placenta</i> , 1997 , 18, 191-201	3.4	11
76	Expression of the actin stress fiber-associated protein CLP36 in the human placenta. <i>Histochemistry and Cell Biology</i> , 2006 , 126, 465-71	2.4	11
75	Biology of preeclampsia: Combined actions of angiogenic factors, their receptors and placental proteins. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165349	6.9	11
74	Biobanking of different body fluids within the frame of IVF-a standard operating procedure to improve reproductive biology research. <i>Journal of Assisted Reproduction and Genetics</i> , 2017 , 34, 283-290 ^{3.4}		10
73	Personalized Therapy Against Preeclampsia by Replenishing Placental Protein 13 (PP13) Targeted to Patients With Impaired PP13 Molecule or Function. <i>Computational and Structural Biotechnology Journal</i> , 2017 , 15, 433-446	6.8	10
72	The effects of Nrf2 deletion on placental morphology and exchange capacity in the mouse. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2017 , 30, 2068-2073	2	10
71	Cryogenic and low temperature preservation of human placental villous explants - a new way to explore drugs in pregnancy disorders. <i>Placenta</i> , 2011 , 32 Suppl, S65-76	3.4	10
70	Fibulin-5 expression in the human placenta. <i>Histochemistry and Cell Biology</i> , 2011 , 135, 203-13	2.4	10
69	Minimal alteration in the ratio of circulatory fetal DNA to fetal corticotropin-releasing hormone mRNA level in preeclampsia. <i>Fetal Diagnosis and Therapy</i> , 2006 , 21, 246-9	2.4	10
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2 Methods of Implementation and Set-Up of National Biobanking Networks **2022**, 39-46

1 Introduction to Biobanking **2022**, 1-7