

# Berthold Huppertz

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9486095/berthold-huppertz-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Methods of Implementation and Set-Up of National Biobanking Networks <b>2022</b> , 39-46		
226	Introduction to Biobanking <b>2022</b> , 1-7		
225	Physical Activity and Sedentary Time in Pregnancy: An Exploratory Study on Oxidative Stress Markers in the Placenta of Women with Obesity. <i>Biomedicines</i> , <b>2022</b> , 10, 1069	4.8	1
224	(Dis)similarities between the Decidual and Tumor Microenvironment. <i>Biomedicines</i> , <b>2022</b> , 10, 1065	4.8	1
223	Maternal Angiotensin Increases Placental Leptin in Early Gestation via an Alternative Renin-Angiotensin System Pathway: Suggesting a Link to Preeclampsia. <i>Hypertension</i> , <b>2021</b> , 77, 1723-1736	8.5	5
222	Molecular characteristics of established trophoblast-derived cell lines. <i>Placenta</i> , <b>2021</b> , 108, 122-133	3.4	6
221	The endogenous exposome of the pregnant mother: Placental extracellular vesicles and their effect on the maternal system. <i>Molecular Aspects of Medicine</i> , <b>2021</b> , 100955	16.7	9
220	Reduced Placental CD24 in Preterm Preeclampsia Is an Indicator for a Failure of Immune Tolerance. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
219	Placental Villous Explant Culture 2.0: Flow Culture Allows Studies Closer to the In Vivo Situation. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
218	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> , <b>2020</b> , 312, 127946	8.5	16
217	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> , <b>2020</b> , 8, 610544	5.8	27
216	Platelet-derived factors impair placental chorionic gonadotropin beta-subunit synthesis. <i>Journal of Molecular Medicine</i> , <b>2020</b> , 98, 193-207	5.5	5
215	Biology of preeclampsia: Combined actions of angiogenic factors, their receptors and placental proteins. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2020</b> , 1866, 165349	6.9	11
214	Development of the Placenta and Its Circulation <b>2020</b> , 55-68.e2		
213	Placental protein 13 (PP13) stimulates rat uterine vessels after slow subcutaneous administration. <i>International Journal of Women's Health</i> , <b>2019</b> , 11, 213-222	2.8	6
212	Galectin 13 (PP13) Facilitates Remodeling and Structural Stabilization of Maternal Vessels during Pregnancy. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	17
211	Traditional and New Routes of Trophoblast Invasion and Their Implications for Pregnancy Diseases. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 21,	6.3	43

210	Amnion-derived mesenchymal stem cells improve viability of endothelial cells exposed to shear stress in ePTFE grafts. <i>International Journal of Artificial Organs</i> , <b>2019</b> , 42, 80-87	1.9	3
209	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> , <b>2018</b> , 24, 484-496	15.8	25
208	Trophoblast Invasion: Remodelling of Spiral Arteries and Beyond. <i>Comprehensive Gynecology and Obstetrics</i> , <b>2018</b> , 47-62	0	1
207	Predicting the Risk to Develop Preeclampsia in the First Trimester Combining Promoter Variant -98A/C of LGALS13 (Placental Protein 13), Black Ethnicity, Previous Preeclampsia, Obesity, and Maternal Age. <i>Fetal Diagnosis and Therapy</i> , <b>2018</b> , 43, 250-265	2.4	8
206	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. <i>Histochemistry and Cell Biology</i> , <b>2018</b> , 149, 31-42	2.4	9
205	Human Placentation <b>2018</b> , 431-439		1
204	Pregnancy Complications (FGR, Preeclampsia) <b>2018</b> , 607-614		1
203	Human trophoblast invasion: new and unexpected routes and functions. <i>Histochemistry and Cell Biology</i> , <b>2018</b> , 150, 361-370	2.4	61
202	Pharmacokinetics of placental protein 13 after intravenous and subcutaneous administration in rabbits. <i>Drug Design, Development and Therapy</i> , <b>2018</b> , 12, 1977-1983	4.4	3
201	Plazentainsuffizienz/Plazentaassoziierte Erkrankungen <b>2018</b> , 247-285		
200	Plazentaentwicklung mit histologischen Aspekten <b>2018</b> , 1-27		
199	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> , <b>2018</b> , 12, 259-270	3.2	19
198	The Critical Role of Abnormal Trophoblast Development in the Etiology of Preeclampsia. <i>Current Pharmaceutical Biotechnology</i> , <b>2018</b> , 19, 771-780	2.6	64
197	Impact of vitamin D and vitamin D receptor on the trophoblast survival capacity in preeclampsia. <i>PLoS ONE</i> , <b>2018</b> , 13, e0206725	3.7	10
196	An updated view on the origin and use of angiogenic biomarkers for preeclampsia. <i>Expert Review of Molecular Diagnostics</i> , <b>2018</b> , 18, 1053-1061	3.8	10
195	The Placenta and Fetal Membranes <b>2018</b> , 18-28		
194	HO-1 inhibits preadipocyte proliferation and differentiation at the onset of obesity via ROS dependent activation of Akt2. <i>Scientific Reports</i> , <b>2017</b> , 7, 40881	4.9	29
193	DNA methylation heterogeneity defines a disease spectrum in Ewing sarcoma. <i>Nature Medicine</i> , <b>2017</b> , 23, 386-395	50.5	128

192	GDM alters paracrine regulation of feto-placental angiogenesis via the trophoblast. <i>Laboratory Investigation</i> , <b>2017</b> , 97, 409-418	5.9	20
191	Implantation and extravillous trophoblast invasion: From rare archival specimens to modern biobanking. <i>Placenta</i> , <b>2017</b> , 56, 19-26	3.4	41
190	Placental expression of sFlt-1 and PlGF in early preeclampsia vs. early IUGR vs. age-matched healthy pregnancies. <i>Hypertension in Pregnancy</i> , <b>2017</b> , 36, 151-160	2	27
189	Increased placental sFlt-1 but unchanged PlGF expression in late-onset preeclampsia. <i>Hypertension in Pregnancy</i> , <b>2017</b> , 36, 175-185	2	12
188	Challenges and Driving Forces for Business Plans in Biobanking. <i>Biopreservation and Biobanking</i> , <b>2017</b> , 15, 121-125	2.1	16
187	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> , <b>2017</b> , 147, 565-574	2.4	20
186	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> , <b>2017</b> , 34, 283-290	3.4	10
185	Quality Matters: 2016 Annual Conference of the National Infrastructures for Biobanking. <i>Biopreservation and Biobanking</i> , <b>2017</b> , 15, 270-276	2.1	20
184	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> , <b>2017</b> , 15, 433-446	6.8	10
183	The trophoblast survival capacity in preeclampsia. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186909	3.7	22
182	Disturbed Placental Imprinting in Preeclampsia Leads to Altered Expression of DLX5, a Human-Specific Early Trophoblast Marker. <i>Circulation</i> , <b>2017</b> , 136, 1824-1839	16.7	31
181	Placental protein 13 (PP13)-induced vasodilation of resistance arteries from pregnant and nonpregnant rats occurs via endothelial-signaling pathways. <i>Hypertension in Pregnancy</i> , <b>2017</b> , 36, 186-195	2	19
180	A comparative study of five physiological key parameters between four different human trophoblast-derived cell lines. <i>Scientific Reports</i> , <b>2017</b> , 7, 5892	4.9	66
179	Extravillous trophoblasts invade more than uterine arteries: evidence for the invasion of uterine veins. <i>Histochemistry and Cell Biology</i> , <b>2017</b> , 147, 353-366	2.4	58
178	The effects of Nrf2 deletion on placental morphology and exchange capacity in the mouse. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2017</b> , 30, 2068-2073	2	10
177	Placental Protein 13 Administration to Pregnant Rats Lowers Blood Pressure and Augments Fetal Growth and Venous Remodeling. <i>Fetal Diagnosis and Therapy</i> , <b>2016</b> , 39, 56-63	2.4	17
176	Hofbauer cells of M2a, M2b and M2c polarization may regulate feto-placental angiogenesis. <i>Reproduction</i> , <b>2016</b> , 152, 447-55	3.8	44
175	Magnetomitotransfer: An efficient way for direct mitochondria transfer into cultured human cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 35571	4.9	23

174	Pigment epithelium-derived factor (PEDF): a novel trophoblast-derived factor limiting fetoplacental angiogenesis in late pregnancy. <i>Angiogenesis</i> , <b>2016</b> , 19, 373-88	10.6	22
173	Letter from the guest editors: Cell adhesion, migration, and fusion in placenta. <i>Cell Adhesion and Migration</i> , <b>2016</b> , 10, 1	3.2	0
172	Arterial endothelial cytokines guide extravillous trophoblast invasion towards spiral arteries; an in-vitro study with the trophoblast cell line ACH-3P and female non-uterine endothelial cells. <i>Placenta</i> , <b>2016</b> , 38, 49-56	3.4	8
171	TNF- $\alpha$ alters the inflammatory secretion profile of human first trimester placenta. <i>Laboratory Investigation</i> , <b>2016</b> , 96, 428-38	5.9	44
170	The Salivary Scavenger and Agglutinin (SALSA) in Healthy and Complicated Pregnancy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147867	3.7	8
169	Biobank Graz: The Hub for Innovative Biomedical Research. <i>Open Journal of Bioresources</i> , <b>2016</b> , 3,	0.9	6
168	A revised picture of extravillous trophoblast invasion. <i>Journal of Reproductive Health and Medicine</i> , <b>2016</b> , 2, S9-S14		3
167	CD74-Downregulation of Placental Macrophage-Trophoblastic Interactions in Preeclampsia. <i>Circulation Research</i> , <b>2016</b> , 119, 55-68	15.7	34
166	The trophoblast plug during early pregnancy: a deeper insight. <i>Histochemistry and Cell Biology</i> , <b>2016</b> , 146, 749-756	2.4	64
165	Phospholipid scramblase 1 (PLSCR1) in villous trophoblast of the human placenta. <i>Histochemistry and Cell Biology</i> , <b>2015</b> , 143, 381-96	2.4	7
164	Placental fractalkine mediates adhesion of THP-1 monocytes to villous trophoblast. <i>Histochemistry and Cell Biology</i> , <b>2015</b> , 143, 565-74	2.4	14
163	A role for GPR55 in human placental venous endothelial cells. <i>Histochemistry and Cell Biology</i> , <b>2015</b> , 144, 49-58	2.4	16
162	Placental fractalkine is up-regulated in severe early-onset preeclampsia. <i>American Journal of Pathology</i> , <b>2015</b> , 185, 1334-43	5.8	29
161	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> , <b>2015</b> , 24, 115-31	4.4	32
160	Sustainability in Biobanking: Model of Biobank Graz. <i>Biopreservation and Biobanking</i> , <b>2015</b> , 13, 410-20	2.1	20
159	Does 2D-Histologic identification of villous types of human placentas at birth enable sensitive and reliable interpretation of 3D structure?. <i>Placenta</i> , <b>2015</b> , 36, 1425-32	3.4	16
158	Evidence from the very beginning: endoglandular trophoblasts penetrate and replace uterine glands in situ and in vitro. <i>Human Reproduction</i> , <b>2015</b> , 30, 2747-57	5.7	61
157	Maternal-fetal interactions, predictive markers for preeclampsia, and programming. <i>Journal of Reproductive Immunology</i> , <b>2015</b> , 108, 26-32	4.2	25

156	Oxygen and glucose dependent viability of HLA-G positive and negative trophoblasts using ACH-3P cells as first trimester trophoblast-derived cell model. <i>Journal of Reproductive Health and Medicine</i> , <b>2015</b> , 1, 4-9		2
155	Distribution of decidual natural killer cells and macrophages in the neighbourhood of the trophoblast invasion front: a quantitative evaluation. <i>Human Reproduction</i> , <b>2014</b> , 29, 8-17	5.7	50
154	Trophoblast invasion and oxygenation of the placenta: measurements versus presumptions. <i>Journal of Reproductive Immunology</i> , <b>2014</b> , 101-102, 74-79	4.2	89
153	First trimester trophoblast cell line ACH-3P as model to study invasion into arteries vs. veins. <i>Placenta</i> , <b>2014</b> , 35, A99-A100	3.4	2
152	Maternal and fetal factors and placentation: implications for pre-eclampsia. <i>Pregnancy Hypertension</i> , <b>2014</b> , 4, 244	2.6	4
151	Oxygenation of the placenta and its role in pre-eclampsia. <i>Pregnancy Hypertension</i> , <b>2014</b> , 4, 244-5	2.6	17
150	An integrative view on the physiology of human early placental villi. <i>Progress in Biophysics and Molecular Biology</i> , <b>2014</b> , 114, 33-48	4.7	29
149	A possible protective role of Nrf2 in preeclampsia. <i>Annals of Anatomy</i> , <b>2014</b> , 196, 268-77	2.9	37
148	Expression of serum amyloid A4 in human trophoblast-like choriocarcinoma cell lines and human first trimester/term trophoblast cells. <i>Placenta</i> , <b>2014</b> , 35, 661-4	3.4	1
147	The vitamin E-binding protein afamin increases in maternal serum during pregnancy. <i>Clinica Chimica Acta</i> , <b>2014</b> , 434, 41-7	6.2	31
146	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> , <b>2014</b> , 9, e102832	3.7	16
145	Metalloprotease dependent release of placenta derived fractalkine. <i>Mediators of Inflammation</i> , <b>2014</b> , 2014, 839290	4.3	8
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> , <b>2014</b> , 35, 218-27	2.4	37
143	Impact of constant storage temperatures and multiple warming cycles on the quality of stored red blood cells. <i>Vox Sanguinis</i> , <b>2014</b> , 106, 45-54	3.1	8
142	Mesenchymal stromal cells from the human placenta promote neovascularization in a mouse model in vivo. <i>Placenta</i> , <b>2014</b> , 35, 517-9	3.4	24
141	Amnion-derived mesenchymal stromal cells show a mesenchymal-epithelial phenotype in culture. <i>Cell and Tissue Banking</i> , <b>2014</b> , 15, 193-8	2.2	3
140	D-chiro-inositol phosphoglycan expression in human placenta at term in diabetes. <i>Archives of Gynecology and Obstetrics</i> , <b>2013</b> , 288, 459-60	2.5	6
139	Orthologie der Plazenta <b>2013</b> , 505-517		

138	Are morphological criteria sufficient for the identification of circulating tumor cells in renal cancer?. <i>Journal of Translational Medicine</i> , <b>2013</b> , 11, 214	8.5	47
137	Oxidatively modified LDL particles in the human placenta in early and late onset intrauterine growth restriction. <i>Placenta</i> , <b>2013</b> , 34, 1142-9	3.4	16
136	Developing potential biomarkers for preeclampsia: Why is the current strategy failing?. <i>Pregnancy Hypertension</i> , <b>2013</b> , 3, 59	2.6	5
135	Differences in d-chiro-inositol-phosphoglycan expression between first and third trimester human placenta. <i>Pregnancy Hypertension</i> , <b>2013</b> , 3, 1-2	2.6	4
134	The placental exposome: placental determinants of fetal adiposity and postnatal body composition. <i>Annals of Nutrition and Metabolism</i> , <b>2013</b> , 63, 208-15	4.5	56
133	Effects of placental protein 13 on the cardiovascular system in gravid and non-gravid rodents. <i>Fetal Diagnosis and Therapy</i> , <b>2013</b> , 33, 257-64	2.4	28
132	Innovative ways for information transfer in biobanking. <i>Campus Wide Information Systems</i> , <b>2013</b> , 30, 379-385		6
131	Placental protein 13 (PP13): a new biological target shifting individualized risk assessment to personalized drug design combating pre-eclampsia. <i>Human Reproduction Update</i> , <b>2013</b> , 19, 391-405	15.8	55
130	Soluble factors of amnion-derived cells in treatment of inflammatory and fibrotic pathologies. <i>Current Stem Cell Research and Therapy</i> , <b>2013</b> , 8, 6-14	3.6	61
129	Keratins in the human trophoblast. <i>Histology and Histopathology</i> , <b>2013</b> , 28, 817-25	1.4	8
128	A variety of opportunities for immune interactions during trophoblast development and invasion. <i>American Journal of Reproductive Immunology</i> , <b>2012</b> , 67, 349-57	3.8	23
127	Multiple injections of anti-mouse $\alpha$ glycoprotein 1 antibody induce FcR $\alpha$ -dependent fetal growth restriction (FGR) in mice. <i>Placenta</i> , <b>2012</b> , 33, 540-7	3.4	3
126	Oxygen modulates the response of first-trimester trophoblasts to hyperglycemia. <i>American Journal of Pathology</i> , <b>2012</b> , 180, 153-64	5.8	26
125	Amnion-derived mesenchymal stromal cells show angiogenic properties but resist differentiation into mature endothelial cells. <i>Stem Cells and Development</i> , <b>2012</b> , 21, 1309-20	4.4	52
124	Placental expression of D-chiro-inositol phosphoglycans in preeclampsia. <i>Placenta</i> , <b>2012</b> , 33, 882-4	3.4	12
123	The Placenta and Fetal Membranes <b>2012</b> , 16-25		
122	Human placental transthyretin in fetal growth restriction in combination with preeclampsia and the HELLP syndrome. <i>Histochemistry and Cell Biology</i> , <b>2012</b> , 138, 925-32	2.4	13
121	Implantationsst $\ddot{u}$ ngen, Pr $\ddot{a}$ eklampsie und intrauterine Wachstumsrestriktion. <i>Der Gynakologe</i> , <b>2012</b> , 45, 514-519	0.1	7

120	First trimester serum markers to predict preeclampsia. <i>Wiener Medizinische Wochenschrift</i> , <b>2012</b> , 162, 191-5	2.9	8
119	Cytochrome P450 subfamily 2J polypeptide 2 expression and circulating epoxyeicosatrienoic metabolites in preeclampsia. <i>Circulation</i> , <b>2012</b> , 126, 2990-9	16.7	48
118	Pixelwise quantification of placental perfusion visualized by 3D power Doppler sonography. <i>Ultraschall in Der Medizin</i> , <b>2012</b> , 33, E88-E94	3.8	4
117	Preeclampsia - Aetiology, Current Diagnostics and Clinical Management, New Therapy Options and Future Perspectives. <i>Geburtshilfe Und Frauenheilkunde</i> , <b>2012</b> , 72, 1107-1116	2	7
116	A role for Nrf2 in redox signalling of the invasive extravillous trophoblast in severe early onset IUGR associated with preeclampsia. <i>PLoS ONE</i> , <b>2012</b> , 7, e47055	3.7	30
115	Trophoblast differentiation, fetal growth restriction and preeclampsia. <i>Pregnancy Hypertension</i> , <b>2011</b> , 1, 79-86	2.6	27
114	Placental pathology in pregnancy complications. <i>Thrombosis Research</i> , <b>2011</b> , 127 Suppl 3, S96-9	8.2	43
113	Vascular Development in the Placenta <b>2011</b> , 36-42		1
112	Placenta-bound and body fluid PP13 and its mRNA in normal pregnancy compared to preeclampsia, HELLP and preterm delivery. <i>Placenta</i> , <b>2011</b> , 32 Suppl, S30-6	3.4	24
111	The art of identification of extravillous trophoblast. <i>Placenta</i> , <b>2011</b> , 32, 197-9	3.4	32
110	Effects of calcium, magnesium, low-dose aspirin and low-molecular-weight heparin on the release of PP13 from placental explants. <i>Placenta</i> , <b>2011</b> , 32 Suppl, S55-64	3.4	13
109	Cryogenic and low temperature preservation of human placental villous explants - a new way to explore drugs in pregnancy disorders. <i>Placenta</i> , <b>2011</b> , 32 Suppl, S65-76	3.4	10
108	Pregenesys pre-eclampsia markers consensus meeting: What do we require from markers, risk assessment and model systems to tailor preventive strategies?. <i>Placenta</i> , <b>2011</b> , 32 Suppl, S4-16	3.4	62
107	Placental and trophoblastic in vitro models to study preventive and therapeutic agents for preeclampsia. <i>Placenta</i> , <b>2011</b> , 32 Suppl, S49-54	3.4	117
106	Fibulin-5 expression in the human placenta. <i>Histochemistry and Cell Biology</i> , <b>2011</b> , 135, 203-13	2.4	10
105	In-vitro effects of the antimicrobial peptide Ala8,13,18-magainin II amide on isolated human first trimester villous trophoblast cells. <i>Reproductive Biology and Endocrinology</i> , <b>2011</b> , 9, 49	5	9
104	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> , <b>2011</b> , 96, 3408-15	5.6	11
103	Placental markers of folate-related metabolism in preeclampsia. <i>Reproduction</i> , <b>2011</b> , 142, 467-76	3.8	28



102	Mechanisms Regulating Human Trophoblast Fusion <b>2011</b> , 203-217		5
101	Trophoblast fusion. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 713, 81-95	3.6	62
100	Governing the invasive trophoblast: current aspects on intra- and extracellular regulation. <i>American Journal of Reproductive Immunology</i> , <b>2010</b> , 63, 492-505	3.8	71
99	Caspases rather than calpains mediate remodelling of the fodrin skeleton during human placental trophoblast fusion. <i>Cell Death and Differentiation</i> , <b>2010</b> , 17, 336-45	12.7	45
98	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> , <b>2010</b> , 5, e8941	3.7	50
97	The choriocarcinoma cell line BeWo: syncytial fusion and expression of syncytium-specific proteins. <i>Reproduction</i> , <b>2010</b> , 140, 759-66	3.8	111
96	Effects of circulating and local uteroplacental angiotensin II in rat pregnancy. <i>Hypertension</i> , <b>2010</b> , 56, 311-8	8.5	54
95	Endoglandular trophoblast, an alternative route of trophoblast invasion? Analysis with novel confrontation co-culture models. <i>Human Reproduction</i> , <b>2010</b> , 25, 1127-36	5.7	94
94	Vasculogenesis and angiogenesis in the endometrium during menstrual cycle and implantation. <i>Acta Histochemica</i> , <b>2010</b> , 112, 203-14	2	116
93	Apoptotic death ligands and interleukins in the vitreous of diabetic patients. <i>Spektrum Der Augenheilkunde</i> , <b>2010</b> , 24, 305-310	0	
92	IFPA Award in Placentology Lecture: Biology of the placental syncytiotrophoblast--myths and facts. <i>Placenta</i> , <b>2010</b> , 31 Suppl, S75-81	3.4	55
91	The paradox of caspase 8 in human villous trophoblast fusion. <i>Placenta</i> , <b>2010</b> , 31, 82-8	3.4	52
90	Differential expression of VE-cadherin and VEGFR2 in placental syncytiotrophoblast during preeclampsia - New perspectives to explain the pathophysiology. <i>Placenta</i> , <b>2010</b> , 31, 339-43	3.4	19
89	Effects of vitamins C and E, acetylsalicylic acid and heparin on fusion, beta-hCG and PP13 expression in BeWo cells. <i>Placenta</i> , <b>2010</b> , 31, 431-8	3.4	25
88	Factors involved in regulating trophoblast fusion: potential role in the development of preeclampsia. <i>Placenta</i> , <b>2009</b> , 30 Suppl A, S49-54	3.4	85
87	Fusion of villous trophoblast can be visualized by localizing active caspase 8. <i>Placenta</i> , <b>2009</b> , 30, 547-50	3.4	31
86	Role of a fetal defence mechanism against oxidative stress in the aetiology of preeclampsia. <i>Histopathology</i> , <b>2009</b> , 55, 102-6	7.3	32
85	Oxygen as modulator of trophoblast invasion. <i>Journal of Anatomy</i> , <b>2009</b> , 215, 14-20	2.9	67

84	Cytotoxic Effect of Advanced Glycation end Products. <i>Biotechnology and Biotechnological Equipment</i> , <b>2009</b> , 23, 1072-1078	1.6	6
83	Prediction of preeclampsia - a workshop report. <i>Placenta</i> , <b>2008</b> , 29 Suppl A, S83-5	3.4	47
82	Effects of oxygen on cell turnover and expression of regulators of apoptosis in human placental trophoblast. <i>Placenta</i> , <b>2008</b> , 29, 175-86	3.4	77
81	The anatomy of the normal placenta. <i>Journal of Clinical Pathology</i> , <b>2008</b> , 61, 1296-302	3.9	158
80	Proliferative responses in the placenta after endotoxin exposure in preterm fetal sheep. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2008</b> , 138, 152-7	2.4	8
79	Placental origins of preeclampsia: challenging the current hypothesis. <i>Hypertension</i> , <b>2008</b> , 51, 970-5	8.5	685
78	Longitudinal determination of serum placental protein 13 during development of preeclampsia. <i>Fetal Diagnosis and Therapy</i> , <b>2008</b> , 24, 230-6	2.4	113
77	Trophoblastic invasion in vitro and in vivo: similarities and differences. <i>Human Reproduction</i> , <b>2008</b> , 23, 2282-91	5.7	35
76	Trophoblasts reduce the vascular smooth muscle cell proatherogenic response. <i>Hypertension</i> , <b>2008</b> , 51, 554-9	8.5	26
75	Placenta trophoblast fusion. <i>Methods in Molecular Biology</i> , <b>2008</b> , 475, 135-47	1.4	38
74	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> , <b>2007</b> , 7, 137	3.1	62
73	Cytokeratin antibodies as differential markers of trophoblast and fetomaternal syncytial plaques in the sheep placentome. <i>Placenta</i> , <b>2007</b> , 28, 1107-9	3.4	6
72	The feto-maternal interface: setting the stage for potential immune interactions. <i>Seminars in Immunopathology</i> , <b>2007</b> , 29, 83-94	12	41
71	Effect of high oxygen on placental function in short-term explant cultures. <i>Cell and Tissue Research</i> , <b>2007</b> , 328, 607-16	4.2	21
70	Vasculogenesis and angiogenesis in the early human placenta. <i>Acta Histochemica</i> , <b>2007</b> , 109, 257-65	2	168
69	Matrix metalloproteinases-2, -3 and -9 in human term placenta. <i>Acta Histochemica</i> , <b>2007</b> , 109, 403-12	2	35
68	Bi-potential behaviour of cytotrophoblasts in first trimester chorionic villi. <i>Placenta</i> , <b>2006</b> , 27, 367-74	3.4	87
67	Sequential steps during vasculogenesis and angiogenesis in the very early human placenta. <i>Placenta</i> , <b>2006</b> , 27, 535-9	3.4	95

66	Spatial and temporal distribution of Tie-1 and Tie-2 during very early development of the human placenta. <i>Placenta</i> , <b>2006</b> , 27, 648-59	3.4	22
65	Aberrations of early trophoblast differentiation predispose to pregnancy failure: lessons from the anti-phospholipid syndrome. <i>Placenta</i> , <b>2006</b> , 27, 869-75	3.4	58
64	Placental morphology: from molecule to mother -- a dedication to Peter Kaufmann -- a review. <i>Placenta</i> , <b>2006</b> , 27 Suppl A, S3-8	3.4	26
63	Minimal alteration in the ratio of circulatory fetal DNA to fetal corticotropin-releasing hormone mRNA level in preeclampsia. <i>Fetal Diagnosis and Therapy</i> , <b>2006</b> , 21, 246-9	2.4	10
62	Altered protease expression by periarterial trophoblast cells in severe early-onset preeclampsia with IUGR. <i>Journal of Perinatal Medicine</i> , <b>2006</b> , 34, 272-9	2.7	49
61	New insights into the biology of preeclampsia. <i>Biology of Reproduction</i> , <b>2006</b> , 74, 772-6	3.9	38
60	Trophoblast fusion: fusogenic proteins, syncytins and ADAMs, and other prerequisites for syncytial fusion. <i>Micron</i> , <b>2006</b> , 37, 509-17	2.3	121
59	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> , <b>2006</b> , 194, 557-63	6.4	124
58	Apoptosis and its role in the trophoblast. <i>American Journal of Obstetrics and Gynecology</i> , <b>2006</b> , 195, 29-30	3.4	260
57	Expression of the actin stress fiber-associated protein CLP36 in the human placenta. <i>Histochemistry and Cell Biology</i> , <b>2006</b> , 126, 465-71	2.4	11
56	Ultrasound detection of placental insufficiency in women with unexplained abnormal maternal serum screening results. <i>Clinical Genetics</i> , <b>2006</b> , 69, 97-104	4	23
55	Molecular markers for human placental investigation. <i>Methods in Molecular Medicine</i> , <b>2006</b> , 121, 337-50		2
54	Concerted upregulation of CLP36 and smooth muscle actin protein expression in human endometrium during decidualization. <i>Cells Tissues Organs</i> , <b>2005</b> , 179, 109-14	2.1	14
53	Soluble factors released by placental villous tissue: Interleukin-1 is a potential mediator of endothelial dysfunction. <i>American Journal of Obstetrics and Gynecology</i> , <b>2005</b> , 192, 618-24	6.4	16
52	Heparin and aspirin attenuate placental apoptosis in vitro: implications for early pregnancy failure. <i>American Journal of Obstetrics and Gynecology</i> , <b>2005</b> , 192, 23-30	6.4	138
51	A comparative study of the effect of three different syncytiotrophoblast micro-particles preparations on endothelial cells. <i>Placenta</i> , <b>2005</b> , 26, 59-66	3.4	92
50	Human placental explants in culture: approaches and assessments. <i>Placenta</i> , <b>2005</b> , 26, 439-48	3.4	169
49	Fetal cells and cell free fetal nucleic acids in maternal blood: new tools to study abnormal placentation?. <i>Placenta</i> , <b>2005</b> , 26, 515-26	3.4	109

48	Regulation of proliferation and apoptosis during development of the preimplantation embryo and the placenta. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , <b>2005</b> , 75, 249-61		49
47	Vascular biology in implantation and placentation. <i>Angiogenesis</i> , <b>2005</b> , 8, 157-67	10.6	109
46	Vermehrte Expression der induzierbaren NO-Synthase (iNOS) in Makrophagen des Plazentabettes bei schwerer Präeklampsie. <i>Geburtshilfe Und Frauenheilkunde</i> , <b>2004</b> , 64, 930-935	2	
45	Circulating fetal DNA in maternal plasma is increased in pregnancies at high altitude and is further enhanced by preeclampsia. <i>Clinical Chemistry</i> , <b>2004</b> , 50, 2403-5	5.5	15
44	Detection of fetal DNA and RNA in placenta-derived syncytiotrophoblast microparticles generated in vitro. <i>Clinical Chemistry</i> , <b>2004</b> , 50, 2187-90	5.5	86
43	Endogenous retroviral syncytin: compilation of experimental research on syncytin and its possible role in normal and disturbed human placentogenesis. <i>Molecular Human Reproduction</i> , <b>2004</b> , 10, 581-8	4.4	32
42	Syncytial fusion of human trophoblast depends on caspase 8. <i>Cell Death and Differentiation</i> , <b>2004</b> , 11, 90-8	12.7	144
41	Sequential expression of VEGF and its receptors in human placental villi during very early pregnancy: differences between placental vasculogenesis and angiogenesis. <i>Placenta</i> , <b>2004</b> , 25, 560-72	3.4	148
40	Complex patterns of GCM1 mRNA and protein in villous and extravillous trophoblast cells of the human placenta. <i>Placenta</i> , <b>2004</b> , 25, 553-9	3.4	77
39	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> , <b>2004</b> , 191, 2125-31	6.4	79
38	Developmental biology of the placenta and the origins of placental insufficiency. <i>Seminars in Fetal and Neonatal Medicine</i> , <b>2004</b> , 9, 357-69	3.7	178
37	Apoptosis in the trophoblast--role of apoptosis in placental morphogenesis. <i>Journal of the Society for Gynecologic Investigation</i> , <b>2004</b> , 11, 353-62		194
36	The reference trap revisited: examples of the dangers in using ratios to describe fetoplacental angiogenesis and trophoblast turnover. <i>Placenta</i> , <b>2003</b> , 24, 1-7	3.4	38
35	Hypoxia favours necrotic versus apoptotic shedding of placental syncytiotrophoblast into the maternal circulation. <i>Placenta</i> , <b>2003</b> , 24, 181-90	3.4	238
34	Pre-eclampsia and maternal anaemia display reduced apoptosis and opposite invasive phenotypes of extravillous trophoblast. <i>Placenta</i> , <b>2003</b> , 24, 540-8	3.4	128
33	Endovascular trophoblast invasion: implications for the pathogenesis of intrauterine growth retardation and preeclampsia. <i>Biology of Reproduction</i> , <b>2003</b> , 69, 1-7	3.9	848
32	3-dimensional colour power angiography for staging human placental development. <i>Lancet, The</i> , <b>2003</b> , 362, 1199-201	4.0	48
31	Invasive depth of extravillous trophoblast correlates with cellular phenotype: a comparison of intra- and extrauterine implantation sites. <i>Histochemistry and Cell Biology</i> , <b>2002</b> , 117, 401-14	2.4	70

30	Unterschiede in der Trophoblastinvasion bei der Tubar- und Intrauterin-Gravidität. <i>Geburtshilfe Und Frauenheilkunde</i> , <b>2002</b> , 62, 550-553	2	
29	Trophoblast turnover in health and disease. <i>Fetal and Maternal Medicine Review</i> , <b>2002</b> , 13,		48
28	Extracellular pH modulates the secretion of fibronectin isoforms by human trophoblast. <i>Acta Histochemica</i> , <b>2002</b> , 104, 51-63	2	10
27	Low-dose-rate ionizing irradiation for inhibition of secondary cataract formation. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2001</b> , 49, 817-25	4	6
26	An improved and rapid method to construct skin equivalents from human hair follicles and fibroblasts. <i>Experimental Dermatology</i> , <b>2001</b> , 10, 264-71	4	37
25	Macrophage-induced apoptosis limits endovascular trophoblast invasion in the uterine wall of preeclamptic women. <i>Laboratory Investigation</i> , <b>2001</b> , 81, 1143-52	5.9	232
24	Expression of a cytokeratin 18 neo-epitope is a specific marker for trophoblast apoptosis in human placenta. <i>Placenta</i> , <b>2001</b> , 22, 44-8	3.4	85
23	Human trophoblast contains an intracellular protein reactive with an antibody against CD133--a novel marker for trophoblast. <i>Placenta</i> , <b>2001</b> , 22, 639-45	3.4	26
22	Apoptosis and syncytial fusion in human placental trophoblast and skeletal muscle. <i>International Review of Cytology</i> , <b>2001</b> , 205, 215-53		69
21	TenneyParker changes and apoptotic versus necrotic shedding of trophoblast in normal pregnancy and pre-eclampsia <b>2001</b> , 152-163		
20	The human placenta is encircled by a ring of smooth muscle cells. <i>Placenta</i> , <b>2000</b> , 21, 122-5	3.4	18
19	Endothelin A and B receptors change their expression levels during development of human placental villi. <i>Placenta</i> , <b>2000</b> , 21, 536-46	3.4	21
18	Cytogenetic and DNA-fingerprint characterization of choriocarcinoma cell lines and a trophoblast/choriocarcinoma cell hybrid. <i>Cancer Genetics and Cytogenetics</i> , <b>2000</b> , 116, 16-22		39
17	Development of the placental villous tree and its consequences for fetal growth. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2000</b> , 92, 35-43	2.4	416
16	Villous sprouting: fundamental mechanisms of human placental development. <i>Human Reproduction Update</i> , <b>2000</b> , 6, 485-94	15.8	115
15	Nucleic acid sequence of feline preprorelaxin and its localization within the feline placenta. <i>Biology of Reproduction</i> , <b>1999</b> , 60, 305-11	3.9	17
14	The apoptosis cascade--morphological and immunohistochemical methods for its visualization. <i>Anatomy and Embryology</i> , <b>1999</b> , 200, 1-18		238
13	The distribution of macrophages in spiral arteries of the placental bed in pre-eclampsia differs from that in healthy patients. <i>Placenta</i> , <b>1999</b> , 20, 229-33	3.4	124

12	The apoptosis cascade in human villous trophoblast. <i>Placenta</i> , <b>1999</b> , 20, 215-242	3.4	4
11	Immunohistochemistry of matrix metalloproteinases (MMP), their substrates, and their inhibitors (TIMP) during trophoblast invasion in the human placenta. <i>Cell and Tissue Research</i> , <b>1998</b> , 291, 133-48	4.2	181
10	Villous cytotrophoblast regulation of the syncytial apoptotic cascade in the human placenta. <i>Histochemistry and Cell Biology</i> , <b>1998</b> , 110, 495-508	2.4	304
9	Parent cells for trophoblast hybridization I: Isolation of extravillous trophoblast cells from human term chorion laeve. <i>Placenta</i> , <b>1997</b> , 18, 181-190	3.4	11
8	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> , <b>1997</b> , 18, 191-201	3.4	11
7	The fibrinoids of the human placenta: origin, composition and functional relevance. <i>Annals of Anatomy</i> , <b>1996</b> , 178, 485-501	2.9	91
6	Extracellular matrix components of the placental extravillous trophoblast: immunocytochemistry and ultrastructural distribution. <i>Histochemistry and Cell Biology</i> , <b>1996</b> , 106, 291-301	2.4	1
5	Anti-adhesive glycosylation of fibronectin-like molecules in human placental matrix-type fibrinoid. <i>Histochemistry and Cell Biology</i> , <b>1995</b> , 104, 317-29	2.4	29
4	Evidence for a cGMP gated cation channel in photoreceptor cell membranes of <i>Sepia officinalis</i> . <i>FEBS Letters</i> , <b>1995</b> , 364, 189-92	3.8	4
3	Author@ reply to commentary by Hennig Stieve. <i>FEBS Letters</i> , <b>1995</b> , 373, 188-188	3.8	
2	Na(+)-Ca2+,K+ exchange in bovine retinal rod outer segments: quantitative characterization of normal and reversed mode. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1994</b> , 1189, 119-26	3.8	5
1	The Placenta and Fetal Membranes19-27		0