

# Thierry Fournier

## List of Publications by Citations

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

78  
papers

2,716  
citations

25  
h-index

50  
g-index

101  
ext. papers

3,032  
ext. citations

5  
avg, IF

4.8  
L-index

#	Paper	IF	Citations
78	Alpha-1-acid glycoprotein. <i>BBA - Proteins and Proteomics</i> , <b>2000</b> , 1482, 157-71		686
77	Placenta-specific methylation of the vitamin D 24-hydroxylase gene: implications for feedback autoregulation of active vitamin D levels at the fetomaternal interface. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 14838-48	5.4	196
76	Human chorionic gonadotropin produced by the invasive trophoblast but not the villous trophoblast promotes cell invasion and is down-regulated by peroxisome proliferator-activated receptor-gamma. <i>Endocrinology</i> , <b>2007</b> , 148, 5011-9	4.8	137
75	PPARgamma/RXRalpha heterodimers control human trophoblast invasion. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 5017-24	5.6	99
74	Diesel exhaust particles are taken up by human airway epithelial cells in vitro and alter cytokine production. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>1999</b> , 276, L604-13	5.8	98
73	Hyperglycosylated human chorionic gonadotropin stimulates angiogenesis through TGF- $\beta$ receptor activation. <i>FASEB Journal</i> , <b>2013</b> , 27, 1309-21	0.9	81
72	Tumor necrosis factor-alpha inversely regulates prostaglandin D2 and prostaglandin E2 production in murine macrophages. Synergistic action of cyclic AMP on cyclooxygenase-2 expression and prostaglandin E2 synthesis. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 31065-72	5.4	78
71	Stimulation of human trophoblast invasion by placental growth hormone. <i>Endocrinology</i> , <b>2005</b> , 146, 2434-44	4.84	76
70	Lipids from oxidized low-density lipoprotein modulate human trophoblast invasion: involvement of nuclear liver X receptors. <i>Endocrinology</i> , <b>2004</b> , 145, 4583-91	4.8	70
69	Mechanisms of GM-CSF increase by diesel exhaust particles in human airway epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2000</b> , 278, L25-32	5.8	69
68	IFITM proteins inhibit placental syncytiotrophoblast formation and promote fetal demise. <i>Science</i> , <b>2019</b> , 365, 176-180	33.3	69
67	Differential gene expression profiles of invasive and non-invasive non-functioning pituitary adenomas based on microarray analysis. <i>Endocrine-Related Cancer</i> , <b>2010</b> , 17, 361-71	5.7	63
66	Human invasive trophoblasts transformed with simian virus 40 provide a new tool to study the role of PPARgamma in cell invasion process. <i>Carcinogenesis</i> , <b>2003</b> , 24, 1325-36	4.6	57
65	Activation of peroxisome proliferator-activated receptor gamma by human cytomegalovirus for de novo replication impairs migration and invasiveness of cytotrophoblasts from early placentas. <i>Journal of Virology</i> , <b>2010</b> , 84, 2946-54	6.6	48
64	Statins and pregnancy: between supposed risks and theoretical benefits. <i>Drugs</i> , <b>2012</b> , 72, 773-88	12.1	47
63	The role of PPAR-gamma/RXR-alpha heterodimers in the regulation of human trophoblast invasion. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 973, 26-30	6.5	47
62	PPAR $\beta$ and human trophoblast differentiation. <i>Journal of Reproductive Immunology</i> , <b>2011</b> , 90, 41-9	4.2	45

61	Role of nuclear receptors and their ligands in human trophoblast invasion. <i>Journal of Reproductive Immunology</i> , <b>2008</b> , 77, 161-70	4.2	45
60	Oxidized low-density lipoproteins inhibit trophoblastic cell invasion. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 1969-72	5.6	35
59	Human chorionic gonadotropin: Different glycoforms and biological activity depending on its source of production. <i>Annales D'Endocrinologie</i> , <b>2016</b> , 77, 75-81	1.7	34
58	PPARgamma and early human placental development. <i>Current Medicinal Chemistry</i> , <b>2008</b> , 15, 3011-24	4.3	33
57	Stimulation of arachidonic acid metabolism by adherence of alveolar macrophages to a plastic substrate. Modulation by fetal bovine serum. <i>The American Review of Respiratory Disease</i> , <b>1988</b> , 137, 38-43		30
56	The Role of Peroxisome Proliferator Activated Receptor Gamma (PPAR $\gamma$ ) in Mono(2-ethylhexyl) Phthalate (MEHP)-Mediated Cytotrophoblast Differentiation. <i>Environmental Health Perspectives</i> , <b>2019</b> , 127, 27003	8.4	27
55	The early pregnancy placenta foreshadows DNA methylation alterations of solid tumors. <i>Epigenetics</i> , <b>2017</b> , 12, 793-803	5.7	27
54	Development and hormonal functions of the human placenta. <i>Folia Histochemica Et Cytobiologica</i> , <b>2009</b> , 47, S35-40	1.4	26
53	Nanomedicine as a potential approach to empower the new strategies for the treatment of preeclampsia. <i>Drug Discovery Today</i> , <b>2018</b> , 23, 1099-1107	8.8	21
52	Transcriptome analysis of PPAR $\gamma$ target genes reveals the involvement of lysyl oxidase in human placental cytotrophoblast invasion. <i>PLoS ONE</i> , <b>2013</b> , 8, e79413	3.7	20
51	Liposomes as Gene Delivery Vectors for Human Placental Cells. <i>Molecules</i> , <b>2018</b> , 23,	4.8	18
50	Effects of selective serotonin-reuptake inhibitors (SSRIs) on human villous trophoblasts syncytialization. <i>Toxicology and Applied Pharmacology</i> , <b>2018</b> , 349, 8-20	4.6	17
49	Homeobox gene Distal-less 3 is a regulator of villous cytotrophoblast differentiation and its expression is increased in human idiopathic foetal growth restriction. <i>Journal of Molecular Medicine</i> , <b>2012</b> , 90, 273-84	5.5	17
48	Assessment of dually labelled PEGylated liposomes transplacental passage and placental penetration using a combination of two ex-vivo human models: the dually perfused placenta and the suspended villous explants. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 532, 729-737	6.5	17
47	PPAR $\gamma$ controls pregnancy outcome through activation of EG-VEGF: new insights into the mechanism of placental development. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2015</b> , 309, E357-69	6	17
46	First characterizations by capillary electrophoresis of human Chorionic Gonadotropin at the intact level. <i>Talanta</i> , <b>2019</b> , 193, 77-86	6.2	17
45	Lipidome-wide disturbances of human placental JEG-3 cells by the presence of MEHP. <i>Biochimie</i> , <b>2018</b> , 149, 1-8	4.6	16
44	Homeobox gene transforming growth factor $\beta$ induced factor-1 (TGIF-1) is a regulator of villous trophoblast differentiation and its expression is increased in human idiopathic fetal growth restriction. <i>Molecular Human Reproduction</i> , <b>2013</b> , 19, 665-75	4.4	16

43	Phenobarbital induction of alpha 1-acid glycoprotein in primary rat hepatocyte cultures. <i>Hepatology</i> , <b>1994</b> , 20, 1584-8	11.2	16
42	Expression, Localization, and Activity of the Aryl Hydrocarbon Receptor in the Human Placenta. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	16
41	Modifications of hepatic alpha-1-acid glycoprotein and albumin gene expression in rats treated with phenobarbital. <i>FEBS Journal</i> , <b>1992</b> , 203, 655-61		15
40	Increased methylation and decreased expression of homeobox genes TLX1, HOXA10 and DLX5 in human placenta are associated with trophoblast differentiation. <i>Scientific Reports</i> , <b>2017</b> , 7, 4523	4.9	14
39	Fluid Shear Stress Promotes Placental Growth Factor Upregulation in Human Syncytiotrophoblast Through the cAMP-PKA Signaling Pathway. <i>Hypertension</i> , <b>2016</b> , 68, 1438-1446	8.5	14
38	First profiling in hydrophilic interaction liquid chromatography of intact human chorionic gonadotropin isoforms. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 174, 495-499	3.5	13
37	An attempt to characterize the human Chorionic Gonadotropin protein by reversed phase liquid chromatography coupled with high-resolution mass spectrometry at the intact level. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 161, 35-44	3.5	12
36	New Transcriptional Reporters to Quantify and Monitor PPAR Activity. <i>PPAR Research</i> , <b>2017</b> , 2017, 61391-61397	1.9	12
35	Cytomegalovirus Infection Triggers the Secretion of the PPAR $\alpha$ Agonists 15-Hydroxyeicosatetraenoic Acid (15-HETE) and 13-Hydroxyoctadecadienoic Acid (13-HODE) in Human Cytotrophoblasts and Placental Cultures. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132627	3.7	12
34	Diesel particles increase phosphatidylcholine release through a NO pathway in alveolar type II cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2002</b> , 282, L1075-81	5.8	11
33	Transcriptomic signatures of villous cytotrophoblast and syncytiotrophoblast in term human placenta. <i>Placenta</i> , <b>2016</b> , 44, 83-90	3.4	11
32	VEGF (Vascular Endothelial Growth Factor) Functionalized Magnetic Beads in a Microfluidic Device to Improve the Angiogenic Balance in Preeclampsia. <i>Hypertension</i> , <b>2019</b> , 74, 145-153	8.5	10
31	NADPH oxidase is the major source of placental superoxide in early pregnancy: association with MAPK pathway activation. <i>Scientific Reports</i> , <b>2019</b> , 9, 13962	4.9	9
30	Gestational age-related patterns of AMOT methylation are revealed in preterm infant endothelial progenitors. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186321	3.7	9
29	Formyl peptide receptor-2 is decreased in foetal growth restriction and contributes to placental dysfunction. <i>Molecular Human Reproduction</i> , <b>2018</b> , 24, 94-109	4.4	9
28	Primary Bovine Extra-Embryonic Cultured Cells: A New Resource for the Study of In Vivo Peri-Implanting Phenotypes and Mesoderm Formation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127330	3.7	9
27	Analysis of the human chorionic gonadotropin protein at the intact level by HILIC-MS and comparison with RPLC-MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 4423-4432	4.4	8
26	Downstream targets of the homeobox gene DLX3 are differentially expressed in the placentae of pregnancies affected by human idiopathic fetal growth restriction. <i>Molecular and Cellular Endocrinology</i> , <b>2013</b> , 377, 75-83	4.4	8

25	An EG-VEGF-Dependent Decrease in Homeobox Gene Contributes to Cytotrophoblast Dysfunction: A Possible Mechanism in Human Fetal Growth Restriction. <i>Molecular Medicine</i> , <b>2015</b> , 21, 645-656	6.2	8
24	Induction of rat alpha-1-acid glycoprotein by phenobarbital is independent of a general acute-phase response. <i>Biochemical Pharmacology</i> , <b>1994</b> , 48, 1531-5	6	8
23	Placental growth factor (PlGF) and sFlt-1 during pregnancy: physiology, assay and interest in preeclampsia. <i>Annales De Biologie Clinique</i> , <b>2016</b> , 74, 259-67	0.4	8
22	Chemotherapy in pregnancy: exploratory study of the effects of paclitaxel on the expression of placental drug transporters. <i>Investigational New Drugs</i> , <b>2019</b> , 37, 1075-1085	4.3	8
21	Qualitative and quantitative analysis of the uptake of lipoplexes by villous placenta explants. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 567, 118479	6.5	7
20	Uptake of Cerium Dioxide Nanoparticles and Impact on Viability, Differentiation and Functions of Primary Trophoblast Cells from Human Placenta. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	6
19	Haem oxygenases play a pivotal role in placental physiology and pathology. <i>Human Reproduction Update</i> , <b>2020</b> , 26, 634-649	15.8	5
18	Interleukin 1 beta modulates hepatic synthesis of alpha 1-acid glycoprotein in the fetal rat. <i>FEBS Letters</i> , <b>1990</b> , 263, 109-12	3.8	5
17	Use of GATA3 and TWIST1 Immunofluorescence Staining to Assess In Vitro Syncytial Fusion Index. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1710, 165-171	1.4	5
16	Placental Overexpression of Soluble CORIN in Preeclampsia. <i>American Journal of Pathology</i> , <b>2020</b> , 190, 970-976	5.8	4
15	Separation and characterization of the main methylated nucleobases from nuclear, cytoplasmic and poly (A)+ RNA by high-performance liquid chromatography and mass spectrometry. <i>Biomedical Applications</i> , <b>1994</b> , 661, 193-204		4
14	Identification and semi-relative quantification of intact glycoforms by nano-LC-(Orbitrap)MS: application to the B subunit of human chorionic gonadotropin and follicle-stimulating hormone. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 5729-5741	4.4	4
13	Comparative Study of PPAR Targets in Human Extravillous and Villous Cytotrophoblasts. <i>PPAR Research</i> , <b>2020</b> , 2020, 9210748	4.3	4
12	Impact of obesity on the association of active renin and plasma aldosterone concentrations, and aldosterone-to-renin ratio with preeclampsia. <i>Pregnancy Hypertension</i> , <b>2018</b> , 14, 139-144	2.6	4
11	Fetal-sex determination of human placental tissues. <i>Placenta</i> , <b>2018</b> , 61, 103-105	3.4	3
10	Peroxisome proliferator-activated receptor gamma-ligand-binding domain mutations associated with familial partial lipodystrophy type 3 disrupt human trophoblast fusion and fibroblast migration. <i>Journal of Cellular and Molecular Medicine</i> , <b>2020</b> , 24, 7660-7669	5.6	2
9	Human trophoblast differentiation. <i>Bulletin De L'Academie Nationale De Medecine</i> , <b>2009</b> , 193, 1017-1027	0.1	2
8	Age and Sex-Related Changes in Human First-Trimester Placenta Transcriptome and Insights into Adaptive Responses to Increased Oxygen. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2

7	Protease Inhibitor Anti-HIV, Lopinavir, Impairs Placental Endocrine Function. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
6	Human Placental NADPH Oxidase Mediates sFlt-1 and PlGF Secretion in Early Pregnancy: Exploration of the TGF- $\beta$ /p38 MAPK Pathways. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	2
5	Mining of combined human placental gene expression data across pregnancy, applied to PPAR signaling pathway. <i>Placenta</i> , <b>2020</b> , 99, 157-165	3.4	1
4	Identification and semi-relative quantification of intact glycoforms of human chorionic gonadotropin alpha and beta subunits by nano liquid chromatography-Orbitrap mass spectrometry. <i>Journal of Chromatography A</i> , <b>2021</b> , 1640, 461945	4.5	1
3	Placental Models for Evaluation of Nanocarriers as Drug Delivery Systems for Pregnancy Associated Disorders. <i>Biomedicines</i> , <b>2022</b> , 10, 936	4.8	1
2	Influence of Liposomes and Lipoplexes Physicochemical Characteristics on Their Uptake Rate and Mechanisms by the Placenta. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 6299	6.3	0
1	Human chorionic gonadotropin <b>2020</b> , 31-43		