Thierry Fournier

List of Publications by Year
in descending order

88	3,445	236612 25	149479 56
papers	citations	h-index	g-index

101	101	101	4752
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Alpha-1-acid glycoprotein. BBA - Proteins and Proteomics, 2000, 1482, 157-171.	2.1	822
2	Placenta-specific Methylation of the Vitamin D 24-Hydroxylase Gene. Journal of Biological Chemistry, 2009, 284, 14838-14848.	1.6	218
3	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-Î³. Endocrinology, 2007, 148, 5011-5019.	1.4	159
4	Diesel exhaust particles are taken up by human airway epithelial cells in vitro and alter cytokine production. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 276, L604-L613.	1.3	136
5	IFITM proteins inhibit placental syncytiotrophoblast formation and promote fetal demise. Science, 2019, 365, 176-180.	6.0	111
6	PPARÎ³/RXRÎ± Heterodimers Control Human Trophoblast Invasion. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 5017-5024.	1.8	106
7	Hyperglycosylated human chorionic gonadotropin stimulates angiogenesis through TGFâ€Î²2 receptor activation. FASEB Journal, 2013, 27, 1309-1321.	0.2	106
8	Tumor Necrosis Factor-Î± Inversely Regulates Prostaglandin D2 and Prostaglandin E2 Production in Murine Macrophages. Journal of Biological Chemistry, 1997, 272, 31065-31072.	1.6	90
9	Mechanisms of GM-CSF increase by diesel exhaust particles in human airway epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L25-L32.	1.3	83
10	Stimulation of Human Trophoblast Invasion by Placental Growth Hormone. Endocrinology, 2005, 146, 2434-2444.	1.4	81
11	Differential gene expression profiles of invasive and non-invasive non-functioning pituitary adenomas based on microarray analysis. Endocrine-Related Cancer, 2010, 17, 361-371.	1.6	81
12	Lipids from Oxidized Low-Density Lipoprotein Modulate Human Trophoblast Invasion: Involvement of Nuclear Liver X Receptors. Endocrinology, 2004, 145, 4583-4591.	1.4	77
13	Human invasive trophoblasts transformed with simian virus 40 provide a new tool to study the role of PPARÂ in cell invasion process. Carcinogenesis, 2003, 24, 1325-1336.	1.3	61
14	The Role of Peroxisome Proliferatorâ€“Activated Receptor Gamma (PPARÎ³) in Mono(2-ethylhexyl) Phthalate (MEHP)-Mediated Cytotrophoblast Differentiation. Environmental Health Perspectives, 2019, 127, 27003.	2.8	58
15	PPARÎ³ and human trophoblast differentiation. Journal of Reproductive Immunology, 2011, 90, 41-49.	0.8	56
16	Statins and Pregnancy. Drugs, 2012, 72, 773-788.	4.9	56
17	Activation of Peroxisome Proliferator-Activated Receptor Gamma by Human Cytomegalovirus for De Novo Replication Impairs Migration and Invasiveness of Cytotrophoblasts from Early Placentas. Journal of Virology, 2010, 84, 2946-2954.	1.5	55
18	Human chorionic gonadotropin: Different glycoforms and biological activity depending on its source of production. Annales D'Endocrinologie, 2016, 77, 75-81.	0.6	54

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19	The Role of PPARâ€Î³/RXRâ€Î± Heterodimers in the Regulation of Human Trophoblast Invasion. Annals of the New York Academy of Sciences, 2002, 973, 26-30.	1.8	53
20	Oxidized Low-Density Lipoproteins Inhibit Trophoblastic Cell Invasion. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 1969-1972.	1.8	47
21	Role of nuclear receptors and their ligands in human trophoblast invasion. Journal of Reproductive Immunology, 2008, 77, 161-170.	0.8	47
22	PPARγ and Early Human Placental Development. Current Medicinal Chemistry, 2008, 15, 3011-3024.	1.2	41
23	Development and hormonal functions of the human placenta.. Folia Histochemica Et Cytobiologica, 2010, 47, S35-40.	0.6	34
24	The early pregnancy placenta foreshadows DNA methylation alterations of solid tumors. Epigenetics, 2017, 12, 793-803.	1.3	31
25	Stimulation of Arachidonic Acid Metabolism by Adherence of Alveolar Macrophages to a Plastic Substrate: Modulation by Fetal Bovine Serum. The American Review of Respiratory Disease, 1988, 137, 38-43.	2.9	30
26	Lipidome-wide disturbances of human placental JEG-3â€¯cells by the presence of MEHP. Biochimie, 2018, 149, 1-8.	1.3	28
27	Nanomedicine as a potential approach to empower the new strategies for the treatment of preeclampsia. Drug Discovery Today, 2018, 23, 1099-1107.	3.2	27
28	Effects of selective serotonin-reuptake inhibitors (SSRIs) on human villous trophoblasts syncytialization. Toxicology and Applied Pharmacology, 2018, 349, 8-20.	1.3	25
29	Expression, Localization, and Activity of the Aryl Hydrocarbon Receptor in the Human Placenta. International Journal of Molecular Sciences, 2018, 19, 3762.	1.8	24
30	First characterizations by capillary electrophoresis of human Chorionic Gonadotropin at the intact level. Talanta, 2019, 193, 77-86.	2.9	24
31	Homeobox gene transforming growth factor Î²-induced factor-1 (TGIF-1) is a regulator of villous trophoblast differentiation and its expression is increased in human idiopathic fetal growth restriction. Molecular Human Reproduction, 2013, 19, 665-675.	1.3	23
32	Transcriptome Analysis of PPARÎ³ Target Genes Reveals the Involvement of Lysyl Oxidase in Human Placental Cytotrophoblast Invasion. PLoS ONE, 2013, 8, e79413.	1.1	23
33	PPARÎ³ controls pregnancy outcome through activation of EG-VEGF: new insights into the mechanism of placental development. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E357-E369.	1.8	23
34	Fluid Shear Stress Promotes Placental Growth Factor Upregulation in Human Syncytiotrophoblast Through the cAMPâ€“PKA Signaling Pathway. Hypertension, 2016, 68, 1438-1446.	1.3	23
35	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. International Journal of Pharmaceutics, 2017, 532, 729-737.	2.6	23
36	Homeobox gene Distal-Less 3 is a regulator of villous cytotrophoblast differentiation and its expression is increased in human idiopathic foetal growth restriction. Journal of Molecular Medicine, 2012, 90, 273-284.	1.7	22

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37	Liposomes as Gene Delivery Vectors for Human Placental Cells. Molecules, 2018, 23, 1085.	1.7	20
38	NADPH oxidase is the major source of placental superoxide in early pregnancy: association with MAPK pathway activation. Scientific Reports, 2019, 9, 13962.	1.6	20
39	VEGF (Vascular Endothelial Growth Factor) Functionalized Magnetic Beads in a Microfluidic Device to Improve the Angiogenic Balance in Preeclampsia. Hypertension, 2019, 74, 145-153.	1.3	20
40	Cytomegalovirus Infection Triggers the Secretion of the PPARÎ³ Agonists 15-Hydroxyeicosatetraenoic Acid (15-HETE) and 13-Hydroxyoctadecadienoic Acid (13-HODE) in Human Cytotrophoblasts and Placental Cultures. PLoS ONE, 2015, 10, e0132627.	1.1	20
41	New Transcriptional Reporters to Quantify and Monitor PPARÎ³ Activity. PPAR Research, 2017, 2017, 1-7.	1.1	19
42	Transcriptomic signatures of villous cytotrophoblast and syncytiotrophoblast in term human placenta. Placenta, 2016, 44, 83-90.	0.7	18
43	Increased methylation and decreased expression of homeobox genes TLX1, HOXA10 and DLX5 in human placenta are associated with trophoblast differentiation. Scientific Reports, 2017, 7, 4523.	1.6	18
44	Modifications of hepatic alpha-1-acid glycoprotein and albumin gene expression in rats treated with phenobarbital. FEBS Journal, 1992, 203, 655-661.	0.2	17
45	An attempt to characterize the human Chorionic Gonadotropin protein by reversed phase liquid chromatography coupled with high-resolution mass spectrometry at the intact level. Journal of Pharmaceutical and Biomedical Analysis, 2018, 161, 35-44.	1.4	17
46	Phenobarbital induction of Î±1-acid glycoprotein in primary rat hepatocyte cultures. Hepatology, 1994, 20, 1584-1588.	3.6	16
47	Placental growth factor (PlGF) and sFlt-1 during pregnancy: physiology, assay and interest in preeclampsia. Annales De Biologie Clinique, 2016, 74, 259-267.	0.2	15
48	Analysis of the human chorionic gonadotropin protein at the intact level by HILIC-MS and comparison with RPLC-MS. Analytical and Bioanalytical Chemistry, 2020, 412, 4423-4432.	1.9	15
49	Chemotherapy in pregnancy: exploratory study of the effects of paclitaxel on the expression of placental drug transporters. Investigational New Drugs, 2019, 37, 1075-1085.	1.2	14
50	First profiling in hydrophilic interaction liquid chromatography of intact human chorionic gonadotropin isoforms. Journal of Pharmaceutical and Biomedical Analysis, 2019, 174, 495-499.	1.4	13
51	Placental Overexpression of Soluble CORIN inÂPreeclampsia. American Journal of Pathology, 2020, 190, 970-976.	1.9	13
52	Diesel particles increase phosphatidylcholine release through a NO pathway in alveolar type II cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L1075-L1081.	1.3	12
53	An EG-VEGF-Dependent Decrease in Homeobox Gene NKX3.1 Contributes to Cytotrophoblast Dysfunction: A Possible Mechanism in Human Fetal Growth Restriction. Molecular Medicine, 2015, 21, 645-656.	1.9	12
54	Gestational age-related patterns of AMOT methylation are revealed in preterm infant endothelial progenitors. PLoS ONE, 2017, 12, e0186321.	1.1	12

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55	Formyl peptide receptor-2 is decreased in foetal growth restriction and contributes to placental dysfunction. Molecular Human Reproduction, 2018, 24, 94-109.	1.3	12
56	Impact of obesity on the association of active renin and plasma aldosterone concentrations, and aldosterone-to-renin ratio with preeclampsia. Pregnancy Hypertension, 2018, 14, 139-144.	0.6	12
57	Uptake of Cerium Dioxide Nanoparticles and Impact on Viability, Differentiation and Functions of Primary Trophoblast Cells from Human Placenta. Nanomaterials, 2020, 10, 1309.	1.9	12
58	Primary Bovine Extra-Embryonic Cultured Cells: A New Resource for the Study of In Vivo Peri-Implanting Phenotypes and Mesoderm Formation. PLoS ONE, 2015, 10, e0127330.	1.1	11
59	Downstream targets of the homeobox gene DLX3 are differentially expressed in the placentae of pregnancies affected by human idiopathic fetal growth restriction. Molecular and Cellular Endocrinology, 2013, 377, 75-83.	1.6	10
60	Induction of rat alpha-1-acid glycoprotein by phenobarbital is independent of a general acute-phase response. Biochemical Pharmacology, 1994, 48, 1531-1535.	2.0	9
61	Peroxisome proliferatorâ€activated receptor gammaâ€ligandâ€binding domain mutations associated with familial partial lipodystrophy type 3 disrupt human trophoblast fusion and fibroblast migration. Journal of Cellular and Molecular Medicine, 2020, 24, 7660-7669.	1.6	9
62	Comparative Study of PPARÎ³ Targets in Human Extravillous and Villous Cytotrophoblasts. PPAR Research, 2020, 2020, 1-18.	1.1	9
63	Qualitative and quantitative analysis of the uptake of lipoplexes by villous placenta explants. International Journal of Pharmaceutics, 2019, 567, 118479.	2.6	8
64	Protease Inhibitor Anti-HIV, Lopinavir, Impairs Placental Endocrine Function. International Journal of Molecular Sciences, 2021, 22, 683.	1.8	8
65	On Placental Toxicology Studies and Cerium Dioxide Nanoparticles. International Journal of Molecular Sciences, 2021, 22, 12266.	1.8	8
66	Identification and semi-relative quantification of intact glycoforms by nano-LCâ€“(Orbitrap)MS: application to the Î±-subunit of human chorionic gonadotropin and follicle-stimulating hormone. Analytical and Bioanalytical Chemistry, 2020, 412, 5729-5741.	1.9	7
67	Haem oxygenases play a pivotal role in placental physiology and pathology. Human Reproduction Update, 2020, 26, 634-649.	5.2	7
68	Human Placental NADPH Oxidase Mediates sFlt-1 and PlGF Secretion in Early Pregnancy: Exploration of the TGF-Î²1/p38 MAPK Pathways. Antioxidants, 2021, 10, 281.	2.2	7
69	Age and Sex-Related Changes in Human First-Trimester Placenta Transcriptome and Insights into Adaptative Responses to Increased Oxygen. International Journal of Molecular Sciences, 2021, 22, 2901.	1.8	7
70	Placental Models for Evaluation of Nanocarriers as Drug Delivery Systems for Pregnancy Associated Disorders. Biomedicines, 2022, 10, 936.	1.4	7
71	Use of GATA3 and TWIST1 Immunofluorescence Staining to Assess In Vitro Syncytial Fusion Index. Methods in Molecular Biology, 2018, 1710, 165-171.	0.4	6
72	Interleukin 1Î² modulates hepatic synthesis of Î±1-acid glycoprotein in the fetal rat. FEBS Letters, 1990, 263, 109-112.	1.3	5

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73	Separation and characterization of the main methylated nucleobases from nuclear, cytoplasmic and poly (A)+ RNA by high-performance liquid chromatography and mass spectrometry. Biomedical Applications, 1994, 661, 193-204.	1.7	4
74	Identification and semi-relative quantification of intact glycoforms of human chorionic gonadotropin alpha and beta subunits by nano liquid chromatography-Orbitrap mass spectrometry. Journal of Chromatography A, 2021, 1640, 461945.	1.8	4
75	Fetal-sex determination of human placental tissues. Placenta, 2018, 61, 103-105.	0.7	3
76	Mining of combined human placental gene expression data across pregnancy, applied to PPAR signaling pathway. Placenta, 2020, 99, 157-165.	0.7	2
77	Influence of Liposomesâ€™ and Lipoplexesâ€™ Physicochemical Characteristics on Their Uptake Rate and Mechanisms by the Placenta. International Journal of Molecular Sciences, 2022, 23, 6299.	1.8	2
78	Activation of PPARÎ³ by human CMV for de novo replication impairs invasiveness of cytotrophoblast from early placenta. Retrovirology, 2009, 6, O2.	0.9	0
79	13-HODE is the major PPARÎ³ ligand secreted by human cytotrophoblasts upon infection by HCMV. Placenta, 2014, 35, A63-A64.	0.7	0
80	New insights into the mechanism of PPARÎ³ regulation of trophoblast invasion and placental vascularisation. Placenta, 2014, 35, A10-A11.	0.7	0
81	Comparative expression of lysyl oxidases in early and late first trimester placentas and their implication in villous trophoblast differentiation. Placenta, 2014, 35, A109.	0.7	0
82	Everything you ever wanted to know about hCG. Placenta, 2014, 35, A4.	0.7	0
83	Impact Of shear stress on the endocrine function of human trophoblast. Placenta, 2014, 35, A105-A106.	0.7	0
84	Placental expression and role of lysyl oxidases (LOX) in the differentiation of human trophoblasts: A LOX Story?. Placenta, 2016, 45, 97.	0.7	0
85	The E352Q PPARÎ³ mutation is associated with decreased transcriptional activity: impact on placental development?. Placenta, 2017, 57, 297.	0.7	0
86	Activity of NADPH oxidase in human placenta during the first trimester of pregnancy: new insights. Placenta, 2017, 57, 296.	0.7	0
87	Human chorionic gonadotropin. , 2020, , 31-43.		0
88	Abstract 2762: Common DNA methylation patterns in cancer and placental cells involved in migration and invasion, immune escape, and angiogenesis induction. , 2016, , .		0