Florian Herse

List of Publications by Year
in descending order

81 papers	3,515 citations	126708 33 h-index	149479 56 g-index
81 all docs	81 docs citations	81 times ranked	3629 citing authors

#	Article	IF	Citations
1	Dysregulation of the Circulating and Tissue-Based Renin-Angiotensin System in Preeclampsia. Hypertension, 2007, 49, 604-611.	1.3	235
2	Autoantibodies to the Angiotensin Type I Receptor in Response to Placental Ischemia and Tumor Necrosis Factor Î± in Pregnant Rats. Hypertension, 2008, 52, 1168-1172.	1.3	153
3	CD19 ⁺ CD5 ⁺ Cells as Indicators of Preeclampsia. Hypertension, 2012, 59, 861-868.	1.3	122
4	Angiotensin II Type 1 Receptor Antibodies and Increased Angiotensin II Sensitivity in Pregnant Rats. Hypertension, 2011, 58, 77-84.	1.3	121
5	IL-17-mediated oxidative stress is an important stimulator of AT1-AA and hypertension during pregnancy. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R353-R358.	0.9	114
6	Agonistic Angiotensin II Type 1 Receptor Autoantibodies in Postpartum Women With a History of Preeclampsia. Hypertension, 2007, 49, 612-617.	1.3	113
7	Hypertension in Response to Placental Ischemia During Pregnancy. Hypertension, 2011, 57, 865-871.	1.3	107
8	Administration of Interleukin-17 Soluble Receptor C Suppresses T _H 17 Cells, Oxidative Stress, and Hypertension in Response to Placental Ischemia During Pregnancy. Hypertension, 2013, 62, 1068-1073.	1.3	99
9	Interfering with Gal-1â€“mediated angiogenesis contributes to the pathogenesis of preeclampsia. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11451-11456.	3.3	93
10	Prevalence of Agonistic Autoantibodies Against the Angiotensin II Type 1 Receptor and Soluble fms-Like Tyrosine Kinase 1 in a Gestational Ageâ€“Matched Case Study. Hypertension, 2009, 53, 393-398.	1.3	87
11	Dietary n-3 Polyunsaturated Fatty Acids and Direct Renin Inhibition Improve Electrical Remodeling in a Model of High Human Renin Hypertension. Hypertension, 2008, 51, 540-546.	1.3	83
12	Endothelin-1, Oxidative Stress, and Endogenous Angiotensin II. Hypertension, 2013, 62, 886-892.	1.3	82
13	Angiotensin <scp>II</scp> Type 1 Receptor Autoantibody (<scp>AT</scp>1â€<scp>AA</scp>)â€Mediated Pregnancy Hypertension. American Journal of Reproductive Immunology, 2013, 69, 413-418.	1.2	81
14	Potential Relevance of Î±1-Adrenergic Receptor Autoantibodies in Refractory Hypertension. PLoS ONE, 2008, 3, e3742.	1.1	79
15	Uterine Vascular Function in a Transgenic Preeclampsia Rat Model. Hypertension, 2008, 51, 547-553.	1.3	74
16	CD74-Downregulation of Placental Macrophage-Trophoblastic Interactions in Preeclampsia. Circulation Research, 2016, 119, 55-68.	2.0	73
17	A Recently Evolved Novel Trophoblast-Enriched Secreted Form of fms-Like Tyrosine Kinase-1 Variant Is Up-Regulated in Hypoxia and Preeclampsia. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 2524-2530.	1.8	71
18	IL-10 supplementation increases Tregs and decreases hypertension in the RUPP rat model of preeclampsia. Hypertension in Pregnancy, 2015, 34, 291-306.	0.5	68

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19	An increased population of regulatory T cells improves the pathophysiology of placental ischemia in a rat model of preeclampsia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R884-R891.	0.9	68
20	Hypertension in Response to AT1-AA: Role of Reactive Oxygen Species in Pregnancy-Induced Hypertension. American Journal of Hypertension, 2011, 24, 835-840.	1.0	67
21	AT1-receptor autoantibodies and uteroplacental RAS in pregnancy and pre-eclampsia. Journal of Molecular Medicine, 2008, 86, 697-703.	1.7	66
22	Activating autoantibodies to the angiotensin II type I receptor play an important role in mediating hypertension in response to adoptive transfer of CD4⁺ T lymphocytes from placental ischemic rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R1197-R1201.	0.9	65
23	Inhibition of Trophoblast-Induced Spiral Artery Remodeling Reduces Placental Perfusion in Rat Pregnancy. Hypertension, 2010, 56, 304-310.	1.3	64
24	Effects of Circulating and Local Uteroplacental Angiotensin II in Rat Pregnancy. Hypertension, 2010, 56, 311-318.	1.3	64
25	Reduced uterine perfusion pressure T-helper 17 cells cause pathophysiology associated with preeclampsia during pregnancy. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R1192-R1199.	0.9	61
26	Disturbed Placental Imprinting in Preeclampsia Leads to Altered Expression of DLX5, a Human-Specific Early Trophoblast Marker. Circulation, 2017, 136, 1824-1839.	1.6	58
27	Cytochrome P450 Subfamily 2J Polypeptide 2 Expression and Circulating Epoxyeicosatrienoic Metabolites in Preeclampsia. Circulation, 2012, 126, 2990-2999.	1.6	57
28	The Pediatric Cell Atlas: Defining the Growth Phase of Human Development at Single-Cell Resolution. Developmental Cell, 2019, 49, 10-29.	3.1	57
29	Circulating and Placental Growth-Differentiation Factor 15 in Preeclampsia and in Pregnancy Complicated by Diabetes Mellitus. Hypertension, 2009, 54, 106-112.	1.3	55
30	Heparin Strongly Induces Soluble Fms-Like Tyrosine Kinase 1 Release In Vivo and In Vitroâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2972-2974.	1.1	49
31	Increased Apoptosis, Altered Oxygen Signaling, and Antioxidant Defenses in First-Trimester Pregnancies with High-Resistance Uterine Artery BloodÂFlow. American Journal of Pathology, 2015, 185, 2731-2741.	1.9	42
32	Placentalâ€Specific Overexpression of sFltâ€1 Alters Trophoblast Differentiation and Nutrient Transporter Expression in an IUGR Mouse Model. Journal of Cellular Biochemistry, 2017, 118, 1316-1329.	1.2	36
33	Placental Fractalkine Is Up-Regulated in Severe Early-Onset Preeclampsia. American Journal of Pathology, 2015, 185, 1334-1343.	1.9	35
34	Circulating and Uteroplacental Adipocytokine Concentrations in Preeclampsia. Reproductive Sciences, 2009, 16, 584-590.	1.1	33
35	Vitamin D supplementation improves pathophysiology in a rat model of preeclampsia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R346-R354.	0.9	33
36	Placental expression of sFlt-1 and PlGF in early preeclampsia vs. early IUGR vs. age-matched healthy pregnancies. Hypertension in Pregnancy, 2017, 36, 151-160.	0.5	33

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37	Diabetes Mellitus in Pregnancy Leads to Growth Restriction and Epigenetic Modification of the Srebf2 Gene in Rat Fetuses. Hypertension, 2018, 71, 911-920.	1.3	30
38	Trophoblasts Reduce the Vascular Smooth Muscle Cell Proatherogenic Response. Hypertension, 2008, 51, 554-559.	1.3	29
39	CD4+ T Cells Play a Critical Role in Mediating Hypertension in Response to Placental Ischemia. Journal of Hypertension: Open Access, 2013, 02, .	0.2	28
40	Regulatory T Cells Ameliorate Intrauterine Growth Retardation in a Transgenic Rat Model for Preeclampsia. Hypertension, 2015, 65, 1298-1306.	1.3	27
41	Statins Reverse Postpartum Cardiovascular Dysfunction in a Rat Model of Preeclampsia. Hypertension, 2020, 75, 202-210.	1.3	27
42	Nitric oxideâ€“sensitive guanylyl cyclase stimulation improves experimental heart failure with preserved ejection fraction. JCI Insight, 2018, 3, .	2.3	27
43	Amyloid-Î² Peptides Activate Î± ₁ -Adrenergic Cardiovascular Receptors. Hypertension, 2013, 62, 966-972.	1.3	26
44	RNA interference therapeutics targeting angiotensinogen ameliorate preeclamptic phenotype in rodent models. Journal of Clinical Investigation, 2020, 130, 2928-2942.	3.9	25
45	Downregulation of p53 drives autophagy during human trophoblast differentiation. Cellular and Molecular Life Sciences, 2018, 75, 1839-1855.	2.4	24
46	Aldosterone, Salt, and Potassium Intakes as Predictors of Pregnancy Outcome, Including Preeclampsia. Hypertension, 2019, 74, 391-398.	1.3	24
47	Human sFLT1 Leads to Severe Changes in Placental Differentiation and Vascularization in a Transgenic hsFLT1/rtTA FGR Mouse Model. Frontiers in Endocrinology, 2019, 10, 165.	1.5	24
48	Interleukin-4 supplementation improves the pathophysiology of hypertension in response to placental ischemia in RUPP rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 316, R165-R171.	0.9	24
49	Increased Angiotensin II in the Mesometrial Triangle of a Transgenic Rat Model of Preeclampsia. Hypertension, 2010, 55, 562-566.	1.3	22
50	Adipose Tissue-Derived Soluble Fms-Like Tyrosine Kinase 1 Is an Obesity-Relevant Endogenous Paracrine Adipokine. Hypertension, 2011, 58, 37-42.	1.3	22
51	Proliferation of endogenous regulatory T cells improve the pathophysiology associated with placental ischaemia of pregnancy. American Journal of Reproductive Immunology, 2017, 78, e12724.	1.2	22
52	Cardiovascular Biomarker Midregional Proatrial Natriuretic Peptide During and After Preeclamptic Pregnancies. Hypertension, 2012, 59, 395-401.	1.3	21
53	Placental fractalkine mediates adhesion of THP-1 monocytes to villous trophoblast. Histochemistry and Cell Biology, 2015, 143, 565-574.	0.8	21
54	Placental DAPK1 and autophagy marker LC3B-II are dysregulated by TNF-Î± in a gestational age-dependent manner. Histochemistry and Cell Biology, 2017, 147, 695-705.	0.8	20

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55	Placental CX3CL1 is Deregulated by Angiotensin II and Contributes to a Pro-Inflammatory Trophoblast-Monocyte Interaction. International Journal of Molecular Sciences, 2019, 20, 641.	1.8	19
56	Maternal Angiotensin Increases Placental Leptin in Early Gestation via an Alternative Renin-Angiotensin System Pathway. Hypertension, 2021, 77, 1723-1736.	1.3	19
57	Circulating Maternal sFLT1 (Soluble fms-Like Tyrosine Kinase-1) Is Sufficient to Impair Spiral Arterial Remodeling in a Preeclampsia Mouse Model. Hypertension, 2021, 78, 1067-1079.	1.3	19
58	Blockade of CD40 ligand for intercellular communication reduces hypertension, placental oxidative stress, and AT₁-AA in response to adoptive transfer of CD4⁺ T lymphocytes from RUPP rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1243-R1250.	0.9	17
59	Î±1A-Adrenergic Receptor-Directed Autoimmunity Induces Left Ventricular Damage and Diastolic Dysfunction in Rats. PLoS ONE, 2010, 5, e9409.	1.1	15
60	Vitamin D supplementation reduces some AT₁-AA-induced downstream targets implicated in preeclampsia including hypertension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R125-R131.	0.9	15
61	Increased placental sFlt-1 but unchanged PlGF expression in late-onset preeclampsia. Hypertension in Pregnancy, 2017, 36, 175-185.	0.5	15
62	Cardiovascular Programming During and After Diabetic Pregnancy: Role of Placental Dysfunction and IUGR. Frontiers in Endocrinology, 2019, 10, 215.	1.5	15
63	Expression of the protein phosphatase 1 inhibitor KEPI is downregulated in breast cancer cell lines and tissues and involved in the regulation of the tumor suppressor EGR1 via the MEK-ERK pathway. Biological Chemistry, 2007, 388, 489-95.	1.2	14
64	Natural Killer Cell Reduction and Uteroplacental Vasculopathy. Hypertension, 2016, 68, 964-973.	1.3	14
65	Modeling Superimposed Preeclampsia Using Ang II (Angiotensin II) Infusion in Pregnant Stroke-Prone Spontaneously Hypertensive Rats. Hypertension, 2018, 72, 208-218.	1.3	14
66	Cardiovascular risk markers in pregnancies complicated by diabetes mellitus or preeclampsia. Pregnancy Hypertension, 2012, 2, 403-410.	0.6	12
67	Soluble (pro)renin receptor in preeclampsia and diabetic pregnancies. Journal of the American Society of Hypertension, 2017, 11, 644-652.	2.3	12
68	Soluble B7â€H4 blood serum levels are elevated in women at high risk for preeclampsia in the first trimester, as well as in patients with confirmed preeclampsia. American Journal of Reproductive Immunology, 2018, 80, e12988.	1.2	11
69	Speckle Tracking Echocardiography: New Ways of Translational Approaches in Preeclampsia to Detect Cardiovascular Dysfunction. International Journal of Molecular Sciences, 2020, 21, 1162.	1.8	9
70	Effects of empagliflozin and target-organ damage in a novel rodent model of heart failure induced by combined hypertension and diabetes. Scientific Reports, 2020, 10, 14061.	1.6	8
71	Relaxin Treatment in an Ang-II-Based Transgenic Preeclamptic-Rat Model. PLoS ONE, 2016, 11, e0150743.	1.1	8
72	Vitamin D depletion does not affect key aspects of the preeclamptic phenotype in a transgenic rodent model for preeclampsia. Journal of the American Society of Hypertension, 2016, 10, 597-607.e1.	2.3	6

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73	Diabetic pregnancy as a novel risk factor for cardiac dysfunction in the offspringâ€"the heart as a target for fetal programming in rats. Diabetologia, 2021, 64, 2829-2842.	2.9	6
74	Continuous Blood Glucose Monitoring Reveals Enormous Circadian Variations in Pregnant Diabetic Rats. Frontiers in Endocrinology, 2018, 9, 271.	1.5	5
75	High-sensitivity cardiac troponin I in women with a history of early-onset preeclampsia. Journal of Hypertension, 2020, 38, 1948-1954.	0.3	5
76	Intrauterine Exposure to Diabetic Milieu Does Not Induce Diabetes and Obesity in Male Adulthood in a Novel Rat Model. Hypertension, 2021, 77, 202-215.	1.3	4
77	Cortisol Dose-Dependently Impairs Migration and Tube-like Formation in a Trophoblast Cell Line and Modulates Inflammatory and Angiogenic Genes. Biomedicines, 2021, 9, 980.	1.4	4
78	Kidney Injury Caused by Preeclamptic Pregnancy Recovers Postpartum in a Transgenic Rat Model. International Journal of Molecular Sciences, 2021, 22, 3762.	1.8	3
79	Preexisting hypertension and pregnancy-induced hypertension reveal molecular differences in placental proteome in rodents. Physiological Genomics, 2021, 53, 259-268.	1.0	3
80	Regulatory antibodies against GPCR in women ten years after early-onset preeclampsia. Frontiers in Bioscience - Landmark, 2019, 24, 1462-1476.	3.0	1
81	Convergent Evolution Within CEA Gene Families in Mammals: Hints for Species-Specific Selection Pressures. , 2016, , 37-53.		1