

# Denise C Cornelius

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5616739/denise-c-cornelius-publications-by-citations.pdf>

**Version:** 2024-04-20

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.

83

papers

1,553

citations

21

h-index

38

g-index

119

ext. papers

2,043

ext. citations

3.6

avg, IF

5.08

L-index

#	Paper	IF	Citations
83	The role of inflammation in the pathology of preeclampsia. <i>Clinical Science</i> , <b>2016</b> , 130, 409-19	6.5	258
82	Preeclampsia: long-term consequences for vascular health. <i>Vascular Health and Risk Management</i> , <b>2015</b> , 11, 403-15	4.4	93
81	Administration of interleukin-17 soluble receptor C suppresses TH17 cells, oxidative stress, and hypertension in response to placental ischemia during pregnancy. <i>Hypertension</i> , <b>2013</b> , 62, 1068-73	8.5	78
80	Role of Mitochondrial Dysfunction and Reactive Oxygen Species in Mediating Hypertension in the Reduced Uterine Perfusion Pressure Rat Model of Preeclampsia. <i>Hypertension</i> , <b>2018</b> , 72, 703-711	8.5	76
79	Preeclampsia: From Inflammation to Immunoregulation. <i>Plasmatology</i> , <b>2018</b> , 11, 1179545X17752325	1.8	70
78	Identifying immune mechanisms mediating the hypertension during preeclampsia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2016</b> , 311, R1-9	3.2	60
77	Plasma syndecan-1 levels identify a cohort of patients with severe sepsis at high risk for intubation after large-volume intravenous fluid resuscitation. <i>Journal of Critical Care</i> , <b>2016</b> , 36, 125-129	4	57
76	IL-10 supplementation increases Tregs and decreases hypertension in the RUPP rat model of preeclampsia. <i>Hypertension in Pregnancy</i> , <b>2015</b> , 34, 291-306	2	55
75	Elucidating immune mechanisms causing hypertension during pregnancy. <i>Physiology</i> , <b>2013</b> , 28, 225-33	9.8	52
74	An increased population of regulatory T cells improves the pathophysiology of placental ischemia in a rat model of preeclampsia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2015</b> , 309, R884-91	3.2	52
73	17-hydroxyprogesterone caproate significantly improves clinical characteristics of preeclampsia in the reduced uterine perfusion pressure rat model. <i>Hypertension</i> , <b>2015</b> , 65, 225-31	8.5	42
72	Placental Ischemia and Resultant Phenotype in Animal Models of Preeclampsia. <i>Current Hypertension Reports</i> , <b>2016</b> , 18, 38	4.7	38
71	Inflammatory mediators: a causal link to hypertension during preeclampsia. <i>British Journal of Pharmacology</i> , <b>2019</b> , 176, 1914-1921	8.6	36
70	Reduced uterine perfusion pressure T-helper 17 cells cause pathophysiology associated with preeclampsia during pregnancy. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2016</b> , 311, R1192-R1199	3.2	36
69	AT1-AA (Angiotensin II Type 1 Receptor Agonistic Autoantibody) Blockade Prevents Preeclamptic Symptoms in Placental Ischemic Rats. <i>Hypertension</i> , <b>2018</b> , 71, 886-893	8.5	33
68	CD4+ T cells are important mediators of oxidative stress that cause hypertension in response to placental ischemia. <i>Hypertension</i> , <b>2014</b> , 64, 1151-8	8.5	32
67	Genetic characterization of <i>Trichomonas vaginalis</i> isolates by use of multilocus sequence typing. <i>Journal of Clinical Microbiology</i> , <b>2012</b> , 50, 3293-300	9.7	31

66	Natural killer cells mediate pathophysiology in response to reduced uterine perfusion pressure. <i>Clinical Science</i> , <b>2017</b> , 131, 2753-2762	6.5	29
65	Hypertension, inflammation and T lymphocytes are increased in a rat model of HELLP syndrome. <i>Hypertension in Pregnancy</i> , <b>2014</b> , 33, 41-54	2	26
64	NLRP3 inflammasome activation in platelets in response to sepsis. <i>Physiological Reports</i> , <b>2019</b> , 7, e14073	3.6	25
63	Vitamin D supplementation improves pathophysiology in a rat model of preeclampsia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2016</b> , 310, R346-54	3.2	24
62	NLRP3 inflammasome inhibition attenuates sepsis-induced platelet activation and prevents multi-organ injury in cecal-ligation puncture. <i>PLoS ONE</i> , <b>2020</b> , 15, e0234039	3.7	20
61	Progesterone supplementation attenuates hypertension and the autoantibody to the angiotensin II type I receptor in response to elevated interleukin-6 during pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , <b>2014</b> , 211, 158.e1-6	6.4	19
60	Prevention of the progression of renal injury in diabetic rodent models with preexisting renal disease with chronic endothelin A receptor blockade. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 315, F977-F985	4.3	18
59	Proliferation of endogenous regulatory T cells improve the pathophysiology associated with placental ischaemia of pregnancy. <i>American Journal of Reproductive Immunology</i> , <b>2017</b> , 78, e12724	3.8	18
58	Renal natural killer cell activation and mitochondrial oxidative stress; new mechanisms in AT1-AA mediated hypertensive pregnancy. <i>Pregnancy Hypertension</i> , <b>2019</b> , 15, 72-77	2.6	18
57	Placental ischemia-stimulated T-helper 17 cells induce preeclampsia-associated cytolytic natural killer cells during pregnancy. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2018</b> , 315, R336-R343	3.2	17
56	Impact of obesity as an independent risk factor for the development of renal injury: implications from rat models of obesity. <i>American Journal of Physiology - Renal Physiology</i> , <b>2019</b> , 316, F316-F327	4.3	15
55	Continued Investigation Into 17-OHPC: Results From the Preclinical RUPP Rat Model of Preeclampsia. <i>Hypertension</i> , <b>2017</b> , 70, 1250-1255	8.5	14
54	Blockade of endogenous angiotensin II type I receptor agonistic autoantibody activity improves mitochondrial reactive oxygen species and hypertension in a rat model of preeclampsia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2020</b> , 318, R256-R262	3.2	14
53	Vitamin D supplementation reduces some AT1-AA-induced downstream targets implicated in preeclampsia including hypertension. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2017</b> , 312, R125-R131	3.2	13
52	Interleukin-4 supplementation improves the pathophysiology of hypertension in response to placental ischemia in RUPP rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 316, R165-R171	3.2	13
51	Chronic infusion of interleukin-17 promotes hypertension, activation of cytolytic natural killer cells, and vascular dysfunction in pregnant rats. <i>Physiological Reports</i> , <b>2019</b> , 7, e14038	2.6	11
50	Interleukin-17 signaling mediates cytolytic natural killer cell activation in response to placental ischemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2020</b> , 318, R1036-R1046	3.2	11
49	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. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2015</b> , 309, R1243-50	3.2	11

48	Natural killer cells contribute to mitochondrial dysfunction in response to placental ischemia in reduced uterine perfusion pressure rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 316, R441-R447	3.2	10
47	Endothelin-1 is not a Mechanism of IL-17 Induced Hypertension during Pregnancy <b>2013</b> , 1,		10
46	Vitamin D Supplementation Suppresses Hypoxia-Stimulated Placental Cytokine Secretion, Hypertension and CD4 T Cell Stimulation in Response to Placental Ischemia <b>2013</b> , 1,		8
45	17-Hydroxyprogesterone caproate improves T cells and NK cells in response to placental ischemia; new mechanisms of action for an old drug. <i>Pregnancy Hypertension</i> , <b>2020</b> , 19, 226-232	2.6	8
44	Tumor necrosis factor alpha (TNF- $\alpha$ ) blockade improves natural killer cell (NK) activation, hypertension, and mitochondrial oxidative stress in a preclinical rat model of preeclampsia. <i>Hypertension in Pregnancy</i> , <b>2020</b> , 39, 399-404	2	8
43	Decidual natural killer cells: A critical pregnancy mediator altered in preeclampsia. <i>EBioMedicine</i> , <b>2019</b> , 39, 31-32	8.8	8
42	Placental CD4 T cells isolated from preeclamptic women cause preeclampsia-like symptoms in pregnant nude-athymic rats. <i>Pregnancy Hypertension</i> , <b>2019</b> , 15, 7-11	2.6	7
41	Progesterone-induced blocking factor improves blood pressure, inflammation, and pup weight in response to reduced uterine perfusion pressure (RUPP). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2021</b> , 320, R719-R727	3.2	7
40	Adoptive transfer of placental ischemia-stimulated natural killer cells causes a preeclampsia-like phenotype in pregnant rats. <i>American Journal of Reproductive Immunology</i> , <b>2021</b> , 85, e13386	3.8	6
39	Altered renal hemodynamics is associated with glomerular lipid accumulation in obese Dahl salt-sensitive leptin receptor mutant rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 318, F911-F921	4.3	5
38	Genetic relatedness of <i>Trichomonas vaginalis</i> reference and clinical isolates. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2010</b> , 83, 1283-6	3.2	5
37	CD4+ T cells cause renal and placental mitochondrial oxidative stress as mechanisms of hypertension in response to placental ischemia. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 320, F47-F54	4.3	5
36	Natural killer cells in placentation and cancer: Implications for hypertension during pregnancy. <i>Placenta</i> , <b>2017</b> , 56, 59-64	3.4	4
35	The role of tumor necrosis factor in triggering activation of natural killer cell, multi-organ mitochondrial dysfunction and hypertension during pregnancy. <i>Pregnancy Hypertension</i> , <b>2021</b> , 24, 65-72	2.6	4
34	Vascular endothelial mitochondrial oxidative stress in response to preeclampsia: a role for angiotensin II type 1 autoantibodies. <i>American Journal of Obstetrics &amp; Gynecology MFM</i> , <b>2021</b> , 3, 100275	7.4	4
33	Phosphatidylserine expressing platelet microparticle levels at hospital presentation are decreased in sepsis non-survivors and correlate with thrombocytopenia. <i>Thrombosis Research</i> , <b>2018</b> , 168, 138-144	8.2	4
32	Characterization of Mitochondrial Bioenergetics in Preeclampsia. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	3
31	Tumor Necrosis Factor-alpha Blockade Improves Uterine Artery Resistance, Maternal Blood Pressure, and Fetal Growth in Placental Ischemic Rats. <i>Pregnancy Hypertension</i> , <b>2021</b> , 25, 39-47	2.6	3

30	[35-OR]. <i>Pregnancy Hypertension</i> , <b>2015</b> , 5, 17	2.6	2
29	Depletion of macrophages slows the early progression of renal injury in obese Dahl salt-sensitive leptin receptor mutant rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 318, F1489-F1499	4.3	2
28	Autophagy in preeclampsia: A new target?. <i>EBioMedicine</i> , <b>2020</b> , 57, 102864	8.8	2
27	Interferon $\gamma$ neutralization reduces blood pressure, uterine artery resistance index, and placental oxidative stress in placental ischemic rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2021</b> , 321, R112-R124	3.2	2
26	The Role of Sex Differences in Inflammation and Autoimmune Diseases <b>2019</b> , 205-217		1
25	Abstract P1110: Tumor Necrosis Factor Alpha Blockade Improves Natural Killer Cell Activation, Hypertension, and Mitochondrial Oxidative Stress in a Preclinical Rat Model of Preeclampsia. <i>Hypertension</i> , <b>2019</b> , 74,	8.5	1
24	Sex Differences in the Development of Renal Injury in Obese Dahl Salt-Sensitive Leptin Receptor Mutant Rats During Prepubertal Obesity. <i>FASEB Journal</i> , <b>2018</b> , 32, 906.5	0.9	1
23	The Role of Interleukin-2 (IL-2) in Natural Killer Cell (NK) Activation and Hypertension in a Preclinical Rat Model of Preeclampsia. <i>FASEB Journal</i> , <b>2018</b> , 32, 911.1	0.9	1
22	Sex Differences in Macrophage Polarization During the Early Progression of Renal Disease in Obese Dahl Salt-Sensitive Rats Prior to Puberty. <i>FASEB Journal</i> , <b>2021</b> , 35,	0.9	1
21	Administration of MIP3-alpha neutralizing antibody reduces the renal infiltration of dendritic cells and Th17s and attenuates progressive proteinuria in obese Dahl salt-sensitive rats. <i>FASEB Journal</i> , <b>2021</b> , 35,	0.9	1
20	Placental CD4+ T cells from preeclamptic patients cause autoantibodies to the angiotensin II type I receptor and hypertension in a pregnant rat model of preeclampsia. <i>Exploration of Medicine</i> , 99-111	1.1	1
19	Treatment With Lisinopril Prevents the Early Progression of Glomerular Injury in Obese Dahl Salt-Sensitive Rats Independent of Lowering Arterial Pressure.. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 765305	4.6	0
18	The Early Progression of Renal Injury in Obese Dahl Salt-Sensitive Rats is Associated with Increased M2 Macrophage Infiltration. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	0
17	Treatment With Gemfibrozil Prevents the Progression of Chronic Kidney Disease in Obese Dahl Salt-Sensitive Rats. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 566403	4.6	0
16	Investigation of interleukin-2-mediated changes in blood pressure, fetal growth restriction, and innate immune activation in normal pregnant rats and in a preclinical rat model of preeclampsia. <i>Biology of Sex Differences</i> , <b>2021</b> , 12, 4	9.3	0
15	IL-17 Signaling Mediates Cytolytic Natural Killer Cell Activation in Placental-Ischemic Rats. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	
14	Progesterone induced blocking factor improves blood pressure, mitochondrial dysfunction and reactive oxygen species in response to sFlt-1 induced hypertension during pregnancy. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	
13	Progesterone induced blocking factor improves fetal growth restriction possibly by reducing inflammation and placental cytolytic NK cells in response to placental ischemia during pregnancy. <i>FASEB Journal</i> , <b>2018</b> , 32, 729.5	0.9	

12	Placental Ischemia-Stimulated TH17 Cells Induce Preeclampsia-Associated Cytolytic Natural Killer Cells During Pregnancy. <i>FASEB Journal</i> , <b>2018</b> , 32, 729.6	0.9
11	Interleukin-4 supplementation improves the proinflammatory cell ratios, autoantibodies and blood pressure in response to placental ischemia. <i>FASEB Journal</i> , <b>2019</b> , 33, 865.18	0.9
10	Suppression of TH17 Cells Blunts Preeclampsia-Associated Cytolytic Natural Killer Cells during Pregnancy. <i>FASEB Journal</i> , <b>2019</b> , 33, 865.17	0.9
9	Depletion of macrophages with clodronate partially reduces the progression renal injury in obese Dahl salt-sensitive rats during prepubertal obesity. <i>FASEB Journal</i> , <b>2019</b> , 33, 573.5	0.9
8	Placental Ischemia Stimulated Natural Killer Cells Play a Direct Role in Causing Hypertension and Intrauterine Growth Restriction in Pregnant Rats. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9
7	T Cell-Dependent B Cell Activation Mediates Pathophysiology in Reponse to CD4+ T Cells from Reduced Uterine Perfusion Pregnant Rats. <i>FASEB Journal</i> , <b>2015</b> , 29, 810.4	0.9
6	Agonistic Autoantibodies to the Angiotensin II Type 1 Receptor Enhance ANGII Binding on Vascular Endothelial Cells. <i>FASEB Journal</i> , <b>2015</b> , 29, 810.12	0.9
5	Early Administration of 17-Hydroxyprogesterone Caproate to Reduced Uterine Perfusion Pressure (RUPP) Rat Model of Preeclampsia Improves Inflammation, Uterine artery Vasoconstriction and Blood Pressure During Pregnancy. <i>FASEB Journal</i> , <b>2015</b> , 29, 810.6	0.9
4	Early Development of Glomerular Injury in Dahl Salt-Sensitive (SS) Rats with Metabolic Syndrome Independent of Diabetes and Hypertension. <i>FASEB Journal</i> , <b>2015</b> , 29, 964.8	0.9
3	Placental Ischemia-Induced TH17 Cells Mediate the Pathophysiology Associated with Preeclampsia. <i>FASEB Journal</i> , <b>2015</b> , 29, 667.6	0.9
2	Blunting Circulating TH17 cells Decreases Hypertension and Oxidative Stress in Response to Placental Ischemia. <i>FASEB Journal</i> , <b>2013</b> , 27, 1115.4	0.9
1	1816. <i>Critical Care Medicine</i> , <b>2019</b> , 47, 881	1.4