

# Denise C Cornelius

## List of Publications by Year in Descending Order

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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.

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	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
82	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
81	Characterization of Mitochondrial Bioenergetics in Preeclampsia. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	3
80	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
79	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
78	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
77	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
76	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
75	Vascular endothelial mitochondrial oxidative stress in response to preeclampsia: a role for angiotension II type 1 autoantibodies. <i>American Journal of Obstetrics &amp; Gynecology MFM</i> , <b>2021</b> , 3, 100275	7.4	4
74	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
73	Interferon $\beta$ 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
72	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
71	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
70	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
69	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
68	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
67	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	

66	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	
65	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
64	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	
63	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
62	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
61	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
60	Autophagy in preeclampsia: A new target?. <i>EBioMedicine</i> , <b>2020</b> , 57, 102864	8.8	2
59	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
58	NLRP3 inflammasome activation in platelets in response to sepsis. <i>Physiological Reports</i> , <b>2019</b> , 7, e14073	3.6	25
57	The Role of Sex Differences in Inflammation and Autoimmune Diseases <b>2019</b> , 205-217		1
56	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
55	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
54	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
53	Inflammatory mediators: a causal link to hypertension during preeclampsia. <i>British Journal of Pharmacology</i> , <b>2019</b> , 176, 1914-1921	8.6	36
52	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
51	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	
50	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	
49	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	

48	1816. <i>Critical Care Medicine</i> , <b>2019</b> , 47, 881	1.4	
47	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
46	Decidual natural killer cells: A critical pregnancy mediator altered in preeclampsia. <i>EBioMedicine</i> , <b>2019</b> , 39, 31-32	8.8	8
45	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
44	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
43	Preeclampsia: From Inflammation to Immunoregulation. <i>Plasmatology</i> , <b>2018</b> , 11, 1179545X17752325	1.8	70
42	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
41	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
40	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
39	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
38	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	
37	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	
36	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
35	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
34	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
33	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
32	Natural killer cells in placentation and cancer: Implications for hypertension during pregnancy. <i>Placenta</i> , <b>2017</b> , 56, 59-64	3.4	4
31	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

30	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
29	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
28	The role of inflammation in the pathology of preeclampsia. <i>Clinical Science</i> , <b>2016</b> , 130, 409-19	6.5	258
27	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
26	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
25	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
24	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
23	Placental Ischemia and Resultant Phenotype in Animal Models of Preeclampsia. <i>Current Hypertension Reports</i> , <b>2016</b> , 18, 38	4.7	38
22	[35-OR]. <i>Pregnancy Hypertension</i> , <b>2015</b> , 5, 17	2.6	2
21	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
20	Preeclampsia: long-term consequences for vascular health. <i>Vascular Health and Risk Management</i> , <b>2015</b> , 11, 403-15	4.4	93
19	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
18	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
17	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
16	T Cell-Dependent B Cell Activation Mediates Pathophysiology in Response to CD4+ T Cells from Reduced Uterine Perfusion Pregnant Rats. <i>FASEB Journal</i> , <b>2015</b> , 29, 810.4	0.9	
15	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	
14	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	
13	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	

12	Placental Ischemia-Induced TH17 Cells Mediate the Pathophysiology Associated with Preeclampsia. <i>FASEB Journal</i> , <b>2015</b> , 29, 667-6	0.9	
11	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
10	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
9	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
8	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
7	Elucidating immune mechanisms causing hypertension during pregnancy. <i>Physiology</i> , <b>2013</b> , 28, 225-33	9.8	52
6	Endothelin-1 is not a Mechanism of IL-17 Induced Hypertension during Pregnancy <b>2013</b> , 1,		10
5	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
4	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	
3	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
2	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
1	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