Denise C Cornelius

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The SS ^{LepR} mutant rat represents a novel model to study obesity-induced renal injury before puberty. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 322, R299-R308.	1.8	4
2	Treatment with rapamycin reduces progressive proteinuria while inducing hyperglycemia in obese Dahl saltâ€sensitive leptinâ€receptor mutant rats prior to puberty. FASEB Journal, 2022, 36, .	0.5	0
3	Decreasing Insulin Resistance Reduces Early Progressive Proteinuria by Decreasing Renal Hyperfiltration and Inflammation in Obese Dahl Salt‧ensitive Rats. FASEB Journal, 2022, 36, .	0.5	0
4	NLRP3 Inhibition Improves Maternal Blood Pressure, Inflammation, and Vascular Function During Placental Ischemia. FASEB Journal, 2022, 36, .	0.5	0
5	IL17 administration in the Absence of T cells Results in Hypertension, NK cell Activation, and Reduced Pup Weight at Birth, but No Changes in Blood Pressure or Weight at Maturation of Offspring. FASEB Journal, 2022, 36, .	0.5	Ο
6	ILâ€⊋5 Supplementation Induces M2 Macrophage Polarization, Reduces Blood Pressure, and Improves Fetal Weight in Placental Ischemic Rats. FASEB Journal, 2022, 36, .	0.5	0
7	Preeclampsia and COVID-19: the Role of Inflammasome Activation. Current Hypertension Reports, 2022, 24, 341-348.	3.5	4
8	CD4+ T cells cause renal and placental mitochondrial oxidative stress as mechanisms of hypertension in response to placental ischemia. American Journal of Physiology - Renal Physiology, 2021, 320, F47-F54.	2.7	15
9	Vascular endothelial mitochondrial oxidative stress in response to preeclampsia: a role for angiotension II type 1 autoantibodies. American Journal of Obstetrics & Gynecology MFM, 2021, 3, 100275.	2.6	10
10	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. Biology of Sex Differences, 2021, 12, 4.	4.1	6
11	72 IL-17 stimulates B cells to secrete AT1-AA in hypertension and multi-organ tissue dysfunction during pregnancy. American Journal of Obstetrics and Gynecology, 2021, 224, S51.	1.3	Ο
12	NLRP3 Plays a Causative Role in Vascular and Renal Dysfunction and Hypertension in Placental Ischemic Pregnancy. FASEB Journal, 2021, 35, .	0.5	0
13	Neutralization of Natural Killer Cell Associated Cytokines Improves Vascular Function and Reduces Blood Pressure in Placental Ischemic Rats. FASEB Journal, 2021, 35, .	0.5	Ο
14	ILâ€25 reduces early progression of renal injury in obese Dahl saltâ€sensitive rats via inducing renal M2aâ€macrophages and suppressing M1â€macrophages. FASEB Journal, 2021, 35, .	0.5	0
15	Progesterone-induced blocking factor improves blood pressure, inflammation, and pup weight in response to reduced uterine perfusion pressure (RUPP). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R719-R727.	1.8	14
16	ILâ€17 causes hypertension and multiâ€organ tissue dysfunction which is attenuated with blockade of agonistic autoantibodies to the angiotensin II type I (AT1â€AA) receptor during pregnancy. FASEB Journal, 2021, 35, .	0.5	0
17	Sex Differences in Macrophage Polarization During the Early Progression of Renal Disease in Obese Dahl Saltâ€5ensitive Rats Prior to Puberty. FASEB Journal, 2021, 35,	0.5	1
18	Administration of MIP3â€elpha neutralizing antibody reduces the renal infiltration of dendritic cells and Th17s and attenuates progressive proteinuria in obese Dahl saltâ€sensitive rats. FASEB Journal, 2021, 35	0.5	1

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19	Elevations in arterial pressure are associated with increases in plasma angiotensin III and angiotensin 1â€9 in female obese SS rats prior to puberty. FASEB Journal, 2021, 35, .	0.5	0
20	Progesterone and PIBF: new insights into treatment options for preeclampsia. FASEB Journal, 2021, 35, .	0.5	0
21	The role of tumor necrosis factor in triggering activation of natural killer cell, multi-organ mitochondrial dysfunction and hypertension during pregnancy. Pregnancy Hypertension, 2021, 24, 65-72.	1.4	14
22	Interferon Î ³ neutralization reduces blood pressure, uterine artery resistance index, and placental oxidative stress in placental ischemic rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 321, R112-R124.	1.8	7
23	Tumor Necrosis Factor-alpha Blockade Improves Uterine Artery Resistance, Maternal Blood Pressure, and Fetal Growth in Placental Ischemic Rats. Pregnancy Hypertension, 2021, 25, 39-47.	1.4	9
24	Platelet Inhibition Prevents NLRP3 Inflammasome Activation and Sepsis-Induced Kidney Injury. International Journal of Molecular Sciences, 2021, 22, 10330.	4.1	16
25	Adoptive transfer of placental ischemiaâ€stimulated natural killer cells causes a preeclampsiaâ€like phenotype in pregnant rats. American Journal of Reproductive Immunology, 2021, 85, e13386.	1.2	13
26	Progesterone Induced Blocking Factor Reduces Hypertension and Placental Mitochondrial Dysfunction in Response to sFlt-1 during Pregnancy. Cells, 2021, 10, 2817.	4.1	7
27	Characterization of Mitochondrial Bioenergetics in Preeclampsia. Journal of Clinical Medicine, 2021, 10, 5063.	2.4	13
28	Treatment With Lisinopril Prevents the Early Progression of Glomerular Injury in Obese Dahl Salt-Sensitive Rats Independent of Lowering Arterial Pressure. Frontiers in Physiology, 2021, 12, 765305.	2.8	7
29	Blockade of endogenous angiotensin II type I receptor agonistic autoantibody activity improves mitochondrial reactive oxygen species and hypertension in a rat model of preeclampsia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R256-R262.	1.8	26
30	17-Hydroxyprogesterone caproate improves T cells and NK cells in response to placental ischemia; new mechanisms of action for an old drug. Pregnancy Hypertension, 2020, 19, 226-232.	1.4	16
31	Treatment With Gemfibrozil Prevents the Progression of Chronic Kidney Disease in Obese Dahl Salt-Sensitive Rats. Frontiers in Physiology, 2020, 11, 566403.	2.8	2
32	Autophagy in preeclampsia: A new target?. EBioMedicine, 2020, 57, 102864.	6.1	8
33	Tumor necrosis factor alpha (TNF-α) blockade improves natural killer cell (NK) activation, hypertension, and mitochondrial oxidative stress in a preclinical rat model of preeclampsia. Hypertension in Pregnancy, 2020, 39, 399-404.	1.1	19
34	Depletion of macrophages slows the early progression of renal injury in obese Dahl salt-sensitive leptin receptor mutant rats. American Journal of Physiology - Renal Physiology, 2020, 318, F1489-F1499.	2.7	11
35	NLRP3 inflammasome inhibition attenuates sepsis-induced platelet activation and prevents multi-organ injury in cecal-ligation puncture. PLoS ONE, 2020, 15, e0234039.	2.5	44
36	Altered renal hemodynamics is associated with glomerular lipid accumulation in obese Dahl salt-sensitive leptin receptor mutant rats. American Journal of Physiology - Renal Physiology, 2020, 318, F911-F921.	2.7	14

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37	240: Mitochondrial oxidative stress and respiration in Tumor Necrosis Alpha induced hypertension in normal pregnant rats. American Journal of Obstetrics and Gynecology, 2020, 222, S166.	1.3	0
38	Interleukin-17 signaling mediates cytolytic natural killer cell activation in response to placental ischemia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R1036-R1046.	1.8	20
39	The Early Progression of Renal Injury in Obese Dahl Saltâ€Sensitive Rats is Associated with Increased M2 Macrophage Infiltration. FASEB Journal, 2020, 34, 1-1.	0.5	1
40	Placental Ischemia Stimulated Natural Killer Cells Play a Direct Role in Causing Hypertension and Intrauterine Growth Restriction in Pregnant Rats. FASEB Journal, 2020, 34, 1-1.	0.5	0
41	Abstract P2O/: Mitochondrial Dysfunction And Natural Killer Cell Activation Stimulated By II-1/ Signaling From Th17 Cells In Response To Placental Ischemia During Pregnancy; Sarah Fitzgerald, Evangeline Deer, Owen Herrock, Tarek Ibrahim, Lorena Amaral, Denise Cornelius And Babbette Lamarca; ¹ Department Of Pharmacology, University Of Mississippi Medical Center Hypertension,	2.7	0
42	2020, 76, . ILâ€17 Signaling Mediates Cytolytic Natural Killer Cell Activation in Placentalâ€Ischemic Rats. FASEB Journal, 2020, 34, 1-1.	0.5	0
43	Progesterone induced blocking factor improves blood pressure, mitochondrial dysfunction and reactive oxygen species in response to sFltâ€l induced hypertension during pregnancy. FASEB Journal, 2020, 34, 1-1.	0.5	0
44	Abstract MP15: Treatment With IL-25 Slows The Early Progression Of Proteinuria In Obese Dahl Salt-sensitive Rats. Hypertension, 2020, 76, .	2.7	0
45	Abstract P222: Progesterone Induced Blocking Factor Decreases Hypertension, Mitochondrial Dysfunction And Reactive Oxygen Species In Response To Elevated Sflt-1 During Pregnancy. Hypertension, 2020, 76, .	2.7	0
46	Abstract P213: Placental Ischemia-Stimulated Natural Killer Cells Contribute To Hypertension, Vascular Dysfunction, And Intrauterine Growth Restriction In Pregnant Rats. Hypertension, 2020, 76, .	2.7	0
47	Inflammatory mediators: a causal link to hypertension during preeclampsia. British Journal of Pharmacology, 2019, 176, 1914-1921.	5.4	59
48	A Plate-based Cytotoxicity Assay for the Assessment of Rat Placental Natural Killer Cell Cytolytic Function. Journal of Visualized Experiments, 2019, , .	0.3	1
49	<scp>NLRP</scp> 3 inflammasome activation in platelets in response to sepsis. Physiological Reports, 2019, 7, e14073.	1.7	43
50	109: Etanercept improves natural killer cell activation and hypertension in a preclinical rat model of pre-eclampsia. American Journal of Obstetrics and Gynecology, 2019, 220, S86-S87.	1.3	1
51	The Role of Sex Differences in Inflammation and Autoimmune Diseases. , 2019, , 205-217.		2
52	Placental CD4+ T cells isolated from preeclamptic women cause preeclampsia-like symptoms in pregnant nude-athymic rats. Pregnancy Hypertension, 2019, 15, 7-11.	1.4	13
53	Natural killer cells contribute to mitochondrial dysfunction in response to placental ischemia in reduced uterine perfusion pressure rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 316, R441-R447.	1.8	14
54	Chronic infusion of interleukinâ€17 promotes hypertension, activation of cytolytic natural killer cells, and vascular dysfunction in pregnant rats. Physiological Reports, 2019, 7, e14038.	1.7	27

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55	1816. Critical Care Medicine, 2019, 47, 881.	0.9	ο
56	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.	1.8	24
57	Decidual natural killer cells: A critical pregnancy mediator altered in preeclampsia. EBioMedicine, 2019, 39, 31-32.	6.1	10
58	Impact of obesity as an independent risk factor for the development of renal injury: implications from rat models of obesity. American Journal of Physiology - Renal Physiology, 2019, 316, F316-F327.	2.7	21
59	Renal natural killer cell activation and mitochondrial oxidative stress; new mechanisms in AT1-AA mediated hypertensive pregnancy. Pregnancy Hypertension, 2019, 15, 72-77.	1.4	32
60	Abstract P1110: Tumor Necrosis Factor Alpha Blockade Improves Natural Killer Cell Activation, Hypertension, and Mitochondrial Oxidative Stress in a Preclinical Rat Model of Preeclampsia. Hypertension, 2019, 74, .	2.7	1
61	Interleukinâ€4 supplementation improves the proinflammatory cell ratios, autoantibodies and blood pressure in response to placental ischemia. FASEB Journal, 2019, 33, 865.18.	0.5	0
62	Suppression of T H 17 Cells Blunts Preeclampsiaâ€Associated Cytolytic Natural Killer Cells during Pregnancy. FASEB Journal, 2019, 33, 865.17.	0.5	0
63	Depletion of macrophages with clodronate partially reduces the progression renal injury in obese Dahl saltâ€sensitive rats during prepubertal obesity. FASEB Journal, 2019, 33, 573.5.	0.5	0
64	Abstract P101: Interleukin 17 Signaling Mediates Cytolytic Natural Killer Cell Activation in Response to Placental Ischemia. Hypertension, 2019, 74, .	2.7	0
65	Abstract 017: Cytolytic Natural Killer Cells Play a Direct Role in Causing Hypertension and Intrauterine Growth Restriction in Pregnant Rats. Hypertension, 2019, 74, .	2.7	0
66	23: Interleukin-4 supplementation improves the pathophysiology of preeclampsia in response to placental ischemia. American Journal of Obstetrics and Gynecology, 2018, 218, S19.	1.3	0
67	Preeclampsia: From Inflammation to Immunoregulation. Plasmatology, 2018, 11, 1179545X1775232.	0.4	120
68	AT1-AA (Angiotensin II Type 1 Receptor Agonistic Autoantibody) Blockade Prevents Preeclamptic Symptoms in Placental Ischemic Rats. Hypertension, 2018, 71, 886-893.	2.7	56
69	Phosphatidylserine expressing platelet microparticle levels at hospital presentation are decreased in sepsis non-survivors and correlate with thrombocytopenia. Thrombosis Research, 2018, 168, 138-144.	1.7	8
70	Prevention of the progression of renal injury in diabetic rodent models with preexisting renal disease with chronic endothelin A receptor blockade. American Journal of Physiology - Renal Physiology, 2018, 315, F977-F985.	2.7	24
71	Role of Mitochondrial Dysfunction and Reactive Oxygen Species in Mediating Hypertension in the Reduced Uterine Perfusion Pressure Rat Model of Preeclampsia. Hypertension, 2018, 72, 703-711.	2.7	112
72	Placental ischemia-stimulated T-helper 17 cells induce preeclampsia-associated cytolytic natural killer cells during pregnancy. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R336-R343.	1.8	31

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73	Role of Cerebral Vascular Dysfunction on Alzheimerâ€Like Cognitive Deficits in Diabetic T2DN rats. FASEB Journal, 2018, 32, .	0.5	0
74	Progesterone induced blocking factor improves fetal growth restriction possibly by reducing inflammation and placental cytolytic NK cells in response to placental ischemia during pregnancy. FASEB Journal, 2018, 32, 729.5.	0.5	0
75	Placental Ischemiaâ€&timulated T H 17 Cells Induce Preeclampsiaâ€Associated Cytolytic Natural Killer Cells During Pregnancy. FASEB Journal, 2018, 32, 729.6.	0.5	0
76	Sex Differences in the Development of Renal Injury in Obese Dahl Saltâ€6ensitive Leptin Receptor Mutant Rats During Prepubertal Obesity. FASEB Journal, 2018, 32, 906.5.	0.5	1
77	The Role of Interleukinâ€2 (ILâ€2) in Natural Killer Cell (NK) Activation and Hypertension in a Preclinical Rat Model of Preeclampsia. FASEB Journal, 2018, 32, 911.1.	0.5	1
78	Abstract P265: Early Renal Hyperfiltration In Obese Dahl Salt-Sensitive Leptin Receptor Mutant Rats is Associated With Glomerular Leukocyte Extravasation and Renal Disease. Hypertension, 2018, 72, .	2.7	0
79	Abstract P307: Renal Natural Killer Cell Activation and Mitochondrial Oxidative Stress; New Mechanisms in AT1-AA Mediated Hypertensive Pregnancy. Hypertension, 2018, 72, .	2.7	0
80	Abstract 128: Interleukin-17 Mediates Hypertension, Intrauterine Growth Restriction, Cytolytic Natural Killer Cells and Vascular Dysfunction in Pregnant Rats. Hypertension, 2018, 72, .	2.7	0
81	882: A role for natural killer cells in the pathophysiology of preeclampsia. American Journal of Obstetrics and Gynecology, 2017, 216, S503-S504.	1.3	0
82	Vitamin D supplementation reduces some AT ₁ -AA-induced downstream targets implicated in preeclampsia including hypertension. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R125-R131.	1.8	15
83	Natural killer cells in placentation and cancer: Implications for hypertension during pregnancy. Placenta, 2017, 56, 59-64.	1.5	6
84	Natural killer cells mediate pathophysiology in response to reduced uterine perfusion pressure. Clinical Science, 2017, 131, 2753-2762.	4.3	44
85	Continued Investigation Into 17-OHPC. Hypertension, 2017, 70, 1250-1255.	2.7	20
86	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
87	Plasma syndecan-1 levels identify a cohort of patients with severe sepsis at high risk for intubation after large-volume intravenous fluid resuscitation. Journal of Critical Care, 2016, 36, 125-129.	2.2	84
88	Identifying immune mechanisms mediating the hypertension during preeclampsia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R1-R9.	1.8	74
89	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.	1.8	61
90	Vitamin D supplementation improves pathophysiology in a rat model of preeclampsia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R346-R354.	1.8	33

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91	Placental Ischemia and Resultant Phenotype in Animal Models of Preeclampsia. Current Hypertension Reports, 2016, 18, 38.	3.5	52
92	5 17-Hydroxyprogesterone caproate improves fetal growth restriction possibly by reducing sFlt-1 and placental cytolytic NK cells in the reduced uterine perfusion pressure (RUPP) rat model of preeclampsia. Pregnancy Hypertension, 2016, 6, 139.	1.4	0
93	The role of inflammation in the pathology of preeclampsia. Clinical Science, 2016, 130, 409-419.	4.3	379
94	181: Administration of 17-hydroxyprogesterone caproate in mid-gestation improves fetal growth possibly by reducing sFlt-1 and placental cytolytic NK cells in the Reduced Uterine Perfusion Pressure (RUPP) rat model of Preeclampsia. American Journal of Obstetrics and Gynecology, 2016, 214, S113.	1.3	0
95	Blockade of CD40 ligand for intercellular communication reduces hypertension, placental oxidative stress, and AT ₁ -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.	1.8	17
96	Preeclampsia: long-term consequences for vascular health. Vascular Health and Risk Management, 2015, 11, 403.	2.3	116
97	17-Hydroxyprogesterone Caproate Significantly Improves Clinical Characteristics of Preeclampsia in the Reduced Uterine Perfusion Pressure Rat Model. Hypertension, 2015, 65, 225-231.	2.7	51
98	IL-10 supplementation increases Tregs and decreases hypertension in the RUPP rat model of preeclampsia. Hypertension in Pregnancy, 2015, 34, 291-306.	1.1	68
99	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.	1.8	68
100	[35-OR]. Pregnancy Hypertension, 2015, 5, 17.	1.4	3
101	T Cellâ€Dependent B Cell Activation Mediates Pathophysiology in Reponse to CD4 + T Cells from Reduced Uterine Perfusion Pregnant Rats. FASEB Journal, 2015, 29, 810.4.	0.5	0
102	Agonistic Autoantibodies to the Angiotensin II Type 1 Receptor Enhance ANGII Binding on Vascular Endothelial Cells. FASEB Journal, 2015, 29, 810.12.	0.5	0
103	Early Administration of 17â€Hydroxyprogesterone Caproate to Reduced Uterine Perfusion Pressure (RUPP) Rat Model of Preeclampsia Improves Inflammation, Uterine artery Vasoconstriction and Blood Pressure During Pregnancy. FASEB Journal, 2015, 29, 810.6.	0.5	0
104	Early Development of Glomerular Injury in Dahl Salt‣ensitive (SS) Rats with Metabolic Syndrome Independent of Diabetes and Hypertension. FASEB Journal, 2015, 29, 964.8.	0.5	0
105	Placental Ischemiaâ€Induced T H 17 Cells Mediate the Pathophysiology Associated with Preeclampsia. FASEB Journal, 2015, 29, 667.6.	0.5	0
106	Hypertension, inflammation and T lymphocytes are increased in a rat model of HELLP syndrome. Hypertension in Pregnancy, 2014, 33, 41-54.	1.1	31
107	CD4 ⁺ T Cells Are Important Mediators of Oxidative Stress That Cause Hypertension in Response to Placental Ischemia. Hypertension, 2014, 64, 1151-1158.	2.7	37
108	Copeptin. Hypertension, 2014, 64, 1189-1191.	2.7	10

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109	Progesterone supplementation attenuates hypertension andÂthe autoantibody to the angiotensin II type I receptor inÂresponse to elevated interleukin-6 during pregnancy. American Journal of Obstetrics and Gynecology, 2014, 211, 158.e1-158.e6.	1.3	26
110	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.	2.7	99
111	Elucidating Immune Mechanisms Causing Hypertension During Pregnancy. Physiology, 2013, 28, 225-233.	3.1	78
112	Blunting Circulating TH17 cells Decreases Hypertension and Oxidative Stress in Response to Placental Ischemia. FASEB Journal, 2013, 27, 1115.4.	0.5	0
113	Endothelin-1 is not a Mechanism of IL-17 Induced Hypertension during Pregnancy. Medical Journal of Obstetrics and Cynecology, 2013, 1, .	0.2	10
114	Vitamin D Supplementation Suppresses Hypoxia-Stimulated Placental Cytokine Secretion, Hypertension and CD4 T Cell Stimulation in Response to Placental Ischemia. Medical Journal of Obstetrics and Gynecology, 2013, 1, .	0.2	8
115	Genetic Characterization of Trichomonas vaginalis Isolates by Use of Multilocus Sequence Typing. Journal of Clinical Microbiology, 2012, 50, 3293-3300.	3.9	34
116	Genetic Relatedness of Trichomonas vaginalis Reference and Clinical Isolates. American Journal of Tropical Medicine and Hygiene, 2010, 83, 1283-1286.	1.4	5
117	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. Exploration of Medicine, 0, , 99-111.	1.5	6