

Donna A Santillan

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

1,558
citations

331259

21
h-index

329751

37
g-index

101
all docs

101
docs citations

101
times ranked

2164
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive Whole-Genome Sequencing of a Human Fetus. <i>Science Translational Medicine</i> , 2012, 4, 137ra76.	5.8	348
2	Vasopressin in Preeclampsia. <i>Hypertension</i> , 2014, 64, 852-859.	1.3	106
3	Neurodevelopmental Outcomes of Prenatal Preeclampsia Exposure. <i>Trends in Neurosciences</i> , 2020, 43, 253-268.	4.2	91
4	RNA profiles reveal signatures of future health and disease in pregnancy. <i>Nature</i> , 2022, 601, 422-427.	13.7	90
5	Association of Maternal Prepregnancy Diabetes and Gestational Diabetes Mellitus With Congenital Anomalies of the Newborn. <i>Diabetes Care</i> , 2020, 43, 2983-2990.	4.3	77
6	Pregnant mice lacking indoleamine 2,3-dioxygenase exhibit preeclampsia phenotypes. <i>Physiological Reports</i> , 2015, 3, e12257.	0.7	65
7	Loss of MLL PHD Finger 3 Is Necessary for MLL-ENL-Induced Hematopoietic Stem Cell Immortalization. <i>Cancer Research</i> , 2008, 68, 6199-6207.	0.4	56
8	The MLL fusion gene, MLL-AF4, regulates cyclin-dependent kinase inhibitor CDKN1B (p27 ^{kip1}) expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14028-14033.	3.3	53
9	“Collection of a lifetime: A practical approach to developing a longitudinal collection of women's healthcare biological samples” <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014, 179, 94-99.	0.5	39
10	Elevated vasopressin in pregnant mice induces T-helper subset alterations consistent with human preeclampsia. <i>Clinical Science</i> , 2018, 132, 419-436.	1.8	39
11	Noninvasive fetal genome sequencing: a primer. <i>Prenatal Diagnosis</i> , 2013, 33, 547-554.	1.1	34
12	Vasopressin: the missing link for preeclampsia?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R1062-R1064.	0.9	34
13	Dopaminergic Toxin 1-Methyl-4-Phenylpyridinium, Proteins α -Synuclein and Glia Maturation Factor Activate Mast Cells and Release Inflammatory Mediators. <i>PLoS ONE</i> , 2015, 10, e0135776.	1.1	33
14	Trimester-specific plasma exosome microRNA expression profiles in preeclampsia. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, 33, 3116-3124.	0.7	32
15	Forceps Delivery Volumes in Teaching and Nonteaching Hospitals. <i>Academic Medicine</i> , 2014, 89, 71-76.	0.8	30
16	Protective immunization in mice against group B streptococci using encapsulated C5a peptidase. <i>American Journal of Obstetrics and Gynecology</i> , 2008, 198, 114.e1-114.e6.	0.7	29
17	Aggregation of Human Mesenchymal Stromal Cells Eliminates Their Ability to Suppress Human T Cells. <i>Frontiers in Immunology</i> , 2020, 11, 143.	2.2	28
18	Association of Maternal Sexually Transmitted Infections With Risk of Preterm Birth in the United States. <i>JAMA Network Open</i> , 2021, 4, e2133413.	2.8	26

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19	Bromodomain and Histone Acetyltransferase Domain Specificities Control Mixed Lineage Leukemia Phenotype. <i>Cancer Research</i> , 2006, 66, 10032-10039.	0.4	25
20	Mast Cells Release Chemokine CCL2 in Response to Parkinsonian Toxin 1-Methyl-4-Phenyl-Pyridinium (MPP+). <i>Neurochemical Research</i> , 2016, 41, 1042-1049.	1.6	25
21	Reduced mRNA Expression of RGS2 (Regulator of G Protein Signaling-2) in the Placenta Is Associated With Human Preeclampsia and Sufficient to Cause Features of the Disorder in Mice. <i>Hypertension</i> , 2020, 75, 569-579.	1.3	24
22	The Serotonin-Immune Axis in Preeclampsia. <i>Current Hypertension Reports</i> , 2021, 23, 37.	1.5	24
23	Changes in antimüllerian hormone levels in early pregnancy are associated with preterm birth. <i>Fertility and Sterility</i> , 2015, 104, 347-355.e3.	0.5	22
24	Cullin-5, a ubiquitin ligase scaffold protein, is significantly underexpressed in endometrial adenocarcinomas and is a target of miR-182. <i>Oncology Reports</i> , 2016, 35, 2461-2465.	1.2	22
25	Nature vs. Nurture: Defining the Effects of Mesenchymal Stromal Cell Isolation and Culture Conditions on Resiliency to Palmitate Challenge. <i>Frontiers in Immunology</i> , 2019, 10, 1080.	2.2	21
26	Origins of neonatal leptin deficiency in preterm infants. <i>Pediatric Research</i> , 2019, 85, 1016-1023.	1.1	20
27	Efficacy of polymeric encapsulated C5a peptidase-based group B streptococcus vaccines in a murine model. <i>American Journal of Obstetrics and Gynecology</i> , 2011, 205, 249.e1-249.e8.	0.7	19
28	The Preconception Period analysis of Risks and Exposures Influencing health and Development (PrePARED) consortium. <i>Paediatric and Perinatal Epidemiology</i> , 2019, 33, 490-502.	0.8	18
29	Prevalence and Distribution of Electronic Cigarette Use Before and During Pregnancy Among Women in 38 States of the United States. <i>Nicotine and Tobacco Research</i> , 2021, 23, 1459-1467.	1.4	12
30	Retroviral transduction model of mixed lineage leukemia fused to CREB binding protein. <i>Current Opinion in Hematology</i> , 2001, 8, 218-223.	1.2	11
31	Beat-to-Beat Blood Pressure Variability in the First Trimester Is Associated With the Development of Preeclampsia in a Prospective Cohort. <i>Hypertension</i> , 2020, 76, 1800-1807.	1.3	11
32	Reduced Maternal Circulating Cell-Free Mitochondrial DNA Is Associated With the Development of Preeclampsia. <i>Journal of the American Heart Association</i> , 2022, 11, e021726.	1.6	11
33	Twenty-Four-Hour Blood Pressure Variability Is Associated With Lower Cognitive Performance in Young Women With a Recent History of Preeclampsia. <i>American Journal of Hypertension</i> , 2021, 34, 1291-1299.	1.0	10
34	Single Umbilical Artery: Does Side Matter?. <i>Fetal Diagnosis and Therapy</i> , 2012, 32, 201-208.	0.6	9
35	Advantages of Tyrosine Kinase Anti-Angiogenic Cediranib over Bevacizumab: Cell Cycle Abrogation and Synergy with Chemotherapy. <i>Pharmaceuticals</i> , 2021, 14, 682.	1.7	8
36	Levels of tin and organotin compounds in human urine samples from Iowa, United States. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 884-890.	0.9	7

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37	Defining normal IgG changes throughout pregnancy. Proceedings in Obstetrics and Gynecology, 2013, 3, 1-2.	0.1	5
38	Cell encapsulation as a potential nondietary therapy for maternal phenylketonuria. American Journal of Obstetrics and Gynecology, 2009, 201, 289.e1-289.e6.	0.7	4
39	The effects of preeclampsia on signaling to hematopoietic progenitor cells. Proceedings in Obstetrics and Gynecology, 2013, 3, 1-11.	0.1	4
40	Postpartum Nipple Symptoms: Risk Factors and Dermatologic Characterization. Breastfeeding Medicine, 2021, 16, 215-221.	0.8	3
41	The influence of fetal sex on patterns of change in anti-Mullerian hormone during pregnancy. Proceedings in Obstetrics and Gynecology, 2012, 2, 1-2.	0.1	3
42	Preeclampsia and MicroRNAs. Proceedings in Obstetrics and Gynecology, 2013, 3, 1-10.	0.1	3
43	Umbilical Cord Blood Leptin and IL-6 in the Presence of Maternal Diabetes or Chorioamnionitis. Frontiers in Endocrinology, 2022, 13, 836541.	1.5	3
44	157: Single umbilical artery: Does side matter?. American Journal of Obstetrics and Gynecology, 2007, 197, S56.	0.7	2
45	[49-OR]. Pregnancy Hypertension, 2015, 5, 25-26.	0.6	2
46	Evaluation of the VNTR region in the IDO promoter in women with preeclampsia. Proceedings in Obstetrics and Gynecology, 2013, 3, 1-2.	0.1	2
47	Abstract P321: Differential Leptin Levels are Associated with Hypertensive Disorders of Pregnancy and Adverse Pregnancy Outcomes. Hypertension, 2016, 68, .	1.3	2
48	Barriers and Solutions to Developing and Maintaining Research Networks during a Pandemic: An example from the iELEVATE Perinatal Network. Journal of Clinical and Translational Science, 0, , 1-22.	0.3	2
49	515: Pulse wave velocity and copeptin: prediction and the possible early etiology of preeclampsia. American Journal of Obstetrics and Gynecology, 2015, 212, S258.	0.7	1
50	Placenta-specific protein 1 (PLAC1) expression is significantly down-regulated in preeclampsia via a hypoxia-mediated mechanism. Journal of Maternal-Fetal and Neonatal Medicine, 2021, , 1-7.	0.7	1
51	Global fetal DNA methylation and birth outcomes in obese women. Proceedings in Obstetrics and Gynecology, 2015, 4, 1-2.	0.1	1
52	Elevated Chemokine C-C motif ligand 2 (CCL2) early in pregnancy is associated with increased risk of preeclampsia in obese parturients. Proceedings in Obstetrics and Gynecology, 2016, 6, 1-2.	0.1	1
53	Arterial stiffness but not physical activity levels and vascular endothelial function are altered in early/mid pregnancy in women who develop preeclampsia. FASEB Journal, 2018, 32, 715.13.	0.2	1
54	Introducing e-consents in a clinical setting. Proceedings in Obstetrics and Gynecology, 2018, 8, 1-2.	0.1	1

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55	Microvascular Endothelial Glycocalyx Function in Human Pregnancy and Postpartum in Women with a History of Preeclampsia. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
56	Effect of positioning on blood pressure measurement in pregnancy. <i>Pregnancy Hypertension</i> , 2022, 27, 110-114.	0.6	1
57	Association between plasma leptin and cesarean section after induction of labor: a case control study. <i>BMC Pregnancy and Childbirth</i> , 2022, 22, 29.	0.9	1
58	Postpartum ambulatory and home blood pressure monitoring in women with history of preeclampsia: Diagnostic agreement and detection of masked hypertension. <i>Pregnancy Hypertension</i> , 2022, 29, 23-29.	0.6	1
59	Elevated Urinary Arginine Vasopressin Concentrations during Preeclamptic Pregnancies do not Persist Postpartum. <i>FASEB Journal</i> , 2022, 36, .	0.2	1
60	Differences in H3K4me3 and chromatin accessibility contribute to altered T α cell receptor signaling in neonatal na $\text{A}^{-\text{ve}}$ CD4^{+} T cells. <i>Immunology and Cell Biology</i> , 2022, 100, 562-579.	1.0	1
61	391: Development of a novel non-dietary therapy for maternal phenylketonuria. <i>American Journal of Obstetrics and Gynecology</i> , 2007, 197, S118.	0.7	0
62	13: Cell encapsulation technology as a useful non-dietary therapy for maternal phenylketonuria. <i>American Journal of Obstetrics and Gynecology</i> , 2008, 199, S7.	0.7	0
63	664: Development of an artificial organ system to prevent maternal PKU syndrome. <i>American Journal of Obstetrics and Gynecology</i> , 2013, 208, S280.	0.7	0
64	429: Microparticles surface functionalized with mannose generate strong initial IgG responses against Group B Streptococcus. <i>American Journal of Obstetrics and Gynecology</i> , 2014, 210, S217.	0.7	0
65	465: Adherence to the updated guidelines for the prevention of perinatal group b streptococcal disease. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 212, S237-S238.	0.7	0
66	466: Significant differences in the indoleamine 2,3 dioxygenase promoter in preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 212, S238.	0.7	0
67	12812 Understanding the causes and treatments of nipple pain secondary to breastfeeding. <i>Journal of the American Academy of Dermatology</i> , 2020, 83, AB110.	0.6	0
68	MLL-AF4 Down-Regulates CDKN1B (P27) Independent of Cell Cycle Progression.. <i>Blood</i> , 2004, 104, 2563-2563.	0.6	0
69	MLL Partner Gene Domains Contribute Critical Functional Specificity to Immortalization and Differentiation of Hematopoietic Progenitors.. <i>Blood</i> , 2004, 104, 2555-2555.	0.6	0
70	Anti-M β llerian Hormone concentration levels in maternal plasma during the first, second and third trimester of pregnancy. <i>Proceedings in Obstetrics and Gynecology</i> , 2012, 2, 1-2.	0.1	0
71	Flow mediated vasodilation predicts the development of gestational diabetes mellitus. <i>Proceedings in Obstetrics and Gynecology</i> , 2013, 3, 1-2.	0.1	0
72	Abstract 286: Immune Dysfunction in a Vasopressin-Induced Mouse Model of Preeclampsia. <i>Hypertension</i> , 2014, 64, .	1.3	0

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73	Adherence to the updated guidelines for the prevention of perinatal Group B streptococcal disease. Proceedings in Obstetrics and Gynecology, 2015, 4, 1-2.	0.1	0
74	Glia Maturation Factor Stimulates Release of Proinflammatory Mediators from Mast Cells. FASEB Journal, 2015, 29, LB82.	0.2	0
75	Abstract P094: Vasopressin Infusion in Mice During Pregnancy Results in Immune Alterations Consistent with Human Preeclampsia. Hypertension, 2015, 66, .	1.3	0
76	The relationship between obesity, pregnancy, and levels of indoleamine 2,3-dioxygenase. Proceedings in Obstetrics and Gynecology, 2016, 5, 1-2.	0.1	0
77	Does leptin predict successful induction of labor?. Proceedings in Obstetrics and Gynecology, 2016, 5, 1-2.	0.1	0
78	Abstract P323: Arginine Vasopressin and Indoleamine 2,3 Dioxygenase: The Early Immunovascular Interface in Preeclampsia. Hypertension, 2016, 68, .	1.3	0
79	Abstract 033: Differential Vasopressin Receptor Expression on CD4+ T Cells from Mouse and Human Preeclamptic Pregnancies. Hypertension, 2016, 68, .	1.3	0
80	Evaluating the association of physical activity and weight gain in pregnancy. Proceedings in Obstetrics and Gynecology, 2018, 8, 1-2.	0.1	0
81	Impact of vasopressin receptors on regulation of immune response in preeclampsia. Proceedings in Obstetrics and Gynecology, 2018, 8, 1-2.	0.1	0
82	Reduced Placental Expression of Regulator of G-protein Signaling 2 (RGS2) and Preeclampsia. FASEB Journal, 2018, 32, 911.6.	0.2	0
83	Vasopressin infusion throughout pregnancy causes placental pathology in mice consistent with preeclampsia. FASEB Journal, 2018, 32, 676.11.	0.2	0
84	Arginine Vasopressin Infusion In C57BL/6J Mice Induces Changes In The Placenta Transcriptome That Parallel Changes Observed In Placenta From Human Preeclampsia. FASEB Journal, 2018, 32, 911.4.	0.2	0
85	Novel Mechanisms of Preeclampsia Prevention via SGK1. FASEB Journal, 2019, 33, 865.10.	0.2	0
86	Elevations in Endothelin-1 Predate and are Strongly Diagnostic for the Development of Human Preeclampsia. FASEB Journal, 2019, 33, 865.2.	0.2	0
87	Effect of Aspirin on Placental Gene Expression in Preeclampsia. FASEB Journal, 2019, 33, 865.14.	0.2	0
88	Serum concentration of matrix metalloproteinase-1 in patients with preterm labor compared to gestational age matched controls. Proceedings in Obstetrics and Gynecology, 2022, 11, .	0.1	0
89	Development and Utility of a Novel Intergenerational Health Knowledgebase. FASEB Journal, 2022, 36, .	0.2	0
90	Arginine Vasopressin is not elevated in Early Pregnancy Loss. FASEB Journal, 2022, 36, .	0.2	0

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91	Effect of Parity on Cardiovagal Baroreflex Sensitivity and Blood Pressure Variability in Sequential Pregnancies and Postpartum. FASEB Journal, 2022, 36, .	0.2	0
92	Differences in blood pressure readings in pregnancy based on method of measurement. Proceedings in Obstetrics and Gynecology, 2022, 11, .	0.1	0
93	Differences in Outcomes in Obese (â%¥30), Morbidly Obese (â%¥40), and Super Morbidly Obese (â%¥50) Pregnancies. FASEB Journal, 2022, 36, .	0.2	0
94	Difference in Blood Pressure Measurements in Pregnant Women when using the Gold Standard Method versus Clinical Measurements. FASEB Journal, 2022, 36, .	0.2	0
95	Cord Blood Metabolomics and Autism Spectrum Disorder. FASEB Journal, 2022, 36, .	0.2	0
96	Abstract 9: The Vasopressin Pro-Segment Copeptin: A Novel, First Trimester Predictor of Preeclampsia. Hypertension, 2013, 62, .	1.3	0
97	Abstract 091: Chronic Vasopressin Infusion: A Novel, Clinically Significant, and <i>Pregnancy-Specific</i> Mouse Model of Preeclampsia. Hypertension, 2014, 64, .	1.3	0