

Mark Kharim Orcullo Santillan

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

1,423
citations

331259

21
h-index

360668

35
g-index

85
all docs

85
docs citations

85
times ranked

1912
citing authors

#	ARTICLE	IF	CITATIONS
1	Vasopressin in Preeclampsia. <i>Hypertension</i> , 2014, 64, 852-859.	1.3	106
2	Association between maternal pre-pregnancy obesity and preterm birth according to maternal age and race or ethnicity: a population-based study. <i>Lancet Diabetes and Endocrinology</i> , 2019, 7, 707-714.	5.5	105
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	The association between hospital obstetrical volume and maternal postpartum complications. <i>American Journal of Obstetrics and Gynecology</i> , 2012, 207, 42.e1-42.e17.	0.7	68
7	Pregnant mice lacking indoleamine 2,3-dioxygenase exhibit preeclampsia phenotypes. <i>Physiological Reports</i> , 2015, 3, e12257.	0.7	65
8	National Estimates of e-Cigarette Use Among Pregnant and Nonpregnant Women of Reproductive Age in the United States, 2014-2017. <i>JAMA Pediatrics</i> , 2019, 173, 600.	3.3	61
9	Aspirin inhibits expression of sFLT1 from human cytotrophoblasts induced by hypoxia, via cyclo-oxygenase 1. <i>Placenta</i> , 2015, 36, 446-453.	0.7	59
10	Arginine vasopressin infusion is sufficient to model clinical features of preeclampsia in mice. <i>JCI Insight</i> , 2018, 3, .	2.3	55
11	“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
12	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
13	Research Recommendations From the National Institutes of Health Workshop on Predicting, Preventing, and Treating Preeclampsia. <i>Hypertension</i> , 2019, 73, 757-766.	1.3	38
14	Noninvasive fetal genome sequencing: a primer. <i>Prenatal Diagnosis</i> , 2013, 33, 547-554.	1.1	34
15	Vasopressin: the missing link for preeclampsia?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R1062-R1064.	0.9	34
16	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
17	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
18	Forceps Delivery Volumes in Teaching and Nonteaching Hospitals. <i>Academic Medicine</i> , 2014, 89, 71-76.	0.8	30

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19	Angiotensin AT _{1A} receptors expressed in vasopressin-producing cells of the supraoptic nucleus contribute to osmotic control of vasopressin. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R770-R780.	0.9	29
20	Regulators of G protein signaling in cardiovascular function during pregnancy. <i>Physiological Genomics</i> , 2018, 50, 590-604.	1.0	26
21	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
22	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
23	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
24	The Serotonin-Immune Axis in Preeclampsia. <i>Current Hypertension Reports</i> , 2021, 23, 37.	1.5	24
25	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
26	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
27	Endothelial PPAR ³ (Peroxisome Proliferator-Activated Receptor-3) Protects From Angiotensin II-Induced Endothelial Dysfunction in Adult Offspring Born From Pregnancies Complicated by Hypertension. <i>Hypertension</i> , 2019, 74, 173-183.	1.3	18
28	From molecules to medicine: A future cure for preeclampsia?. <i>Drug News and Perspectives</i> , 2009, 22, 531.	1.9	14
29	Noninvasive fetal genome sequencing: Opportunities and challenges. <i>American Journal of Medical Genetics, Part A</i> , 2012, 158A, 2382-2384.	0.7	13
30	Placenta-Specific Protein 1: A Potential Key to Many Oncofetal-Placental OB/GYN Research Questions. <i>Obstetrics and Gynecology International</i> , 2014, 2014, 1-5.	0.5	13
31	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
32	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
33	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
34	Introduction to the American Heart Association's Hypertension Strategically Focused Research Network. <i>Hypertension</i> , 2016, 67, 674-680.	1.3	10
35	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
36	Manipulating CD4+ T Cell Pathways to Prevent Preeclampsia. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 811417.	2.0	10

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37	Single Umbilical Artery: Does Side Matter?. <i>Fetal Diagnosis and Therapy</i> , 2012, 32, 201-208.	0.6	9
38	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
39	Rheumatologic Medication Use During Pregnancy. <i>Obstetrics and Gynecology</i> , 2020, 135, 1161-1176.	1.2	6
40	Cell encapsulation as a potential nondietary therapy for maternal phenylketonuria. <i>American Journal of Obstetrics and Gynecology</i> , 2009, 201, 289.e1-289.e6.	0.7	4
41	Breaking a Mother's Heart. <i>Hypertension</i> , 2016, 67, 1119-1120.	1.3	4
42	Association between maternal prepregnancy body mass index and risk of preterm birth in more than 1 million Asian American mothers. <i>Journal of Diabetes</i> , 2021, 13, 364-374.	0.8	3
43	Umbilical Cord Blood Leptin and IL-6 in the Presence of Maternal Diabetes or Chorioamnionitis. <i>Frontiers in Endocrinology</i> , 2022, 13, 836541.	1.5	3
44	The Effect of a Novel Glycoprotein IIb/IIIa Antagonist, SR 121566A, on Platelet Aggregation and Activation in Rhesus Monkeys. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2001, 7, 10-15.	0.7	2
45	Abstract P321: Differential Leptin Levels are Associated with Hypertensive Disorders of Pregnancy and Adverse Pregnancy Outcomes. <i>Hypertension</i> , 2016, 68, .	1.3	2
46	Barriers and Solutions to Developing and Maintaining Research Networks during a Pandemic: An example from the iELEVATE Perinatal Network. <i>Journal of Clinical and Translational Science</i> , 0, , 1-22.	0.3	2
47	Placenta-specific protein 1 (PLAC1) expression is significantly down-regulated in preeclampsia via a hypoxia-mediated mechanism. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2021, , 1-7.	0.7	1
48	Arterial stiffness but not physical activity levels and vascular endothelial function are altered in early/mid pregnancy in women who develop preeclampsia. <i>FASEB Journal</i> , 2018, 32, 715.13.	0.2	1
49	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
50	Effect of positioning on blood pressure measurement in pregnancy. <i>Pregnancy Hypertension</i> , 2022, 27, 110-114.	0.6	1
51	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
52	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
53	Elevated Urinary Arginine Vasopressin Concentrations during Preeclamptic Pregnancies do not Persist Postpartum. <i>FASEB Journal</i> , 2022, 36, .	0.2	1
54	Team Science: American Heart Association's Hypertension Strategically Focused Research Network Experience. <i>Hypertension</i> , 2021, 77, 1857-1866.	1.3	0

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55	Abstract 286: Immune Dysfunction in a Vasopressin-Induced Mouse Model of Preeclampsia. Hypertension, 2014, 64, .	1.3	0
56	Glia Maturation Factor Stimulates Release of Proinflammatory Mediators from Mast Cells. FASEB Journal, 2015, 29, LB82.	0.2	0
57	Early Prediction of Preeclampsia: Hope for Early Intervention?. Current Women's Health Reviews, 2015, 11, 120-126.	0.1	0
58	The relationship between obesity, pregnancy, and levels of indoleamine 2,3-dioxygenase. Proceedings in Obstetrics and Gynecology, 2016, 5, 1-2.	0.1	0
59	Does leptin predict successful induction of labor?. Proceedings in Obstetrics and Gynecology, 2016, 5, 1-2.	0.1	0
60	Abstract P323: Arginine Vasopressin and Indoleamine 2,3 Dioxygenase: The Early Immunovascular Interface in Preeclampsia. Hypertension, 2016, 68, .	1.3	0
61	Abstract 033: Differential Vasopressin Receptor Expression on CD4+ T Cells from Mouse and Human Preeclamptic Pregnancies. Hypertension, 2016, 68, .	1.3	0
62	Evaluating the association of physical activity and weight gain in pregnancy. Proceedings in Obstetrics and Gynecology, 2018, 8, 1-2.	0.1	0
63	Impact of vasopressin receptors on regulation of immune response in preeclampsia. Proceedings in Obstetrics and Gynecology, 2018, 8, 1-2.	0.1	0
64	Reduced Placental Expression of Regulator of Gâ€Protein Signalingâ€ (RGS2) and Preeclampsia. FASEB Journal, 2018, 32, 911.6.	0.2	0
65	Vasopressin infusion throughout pregnancy causes placental pathology in mice consistent with preeclampsia. FASEB Journal, 2018, 32, 676.11.	0.2	0
66	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
67	Reduced renal responsiveness to vasopressin during preeclampsia. FASEB Journal, 2019, 33, 865.4.	0.2	0
68	Novel Mechanisms of Preeclampsia Prevention via SGK1. FASEB Journal, 2019, 33, 865.10.	0.2	0
69	Effects of Maternal Hypertensive Disorders on the Expression of Arginine Vasopressin Receptors in Offspring. FASEB Journal, 2019, 33, 593.4.	0.2	0
70	Elevations in Endothelinâ€1 Predate and are Strongly Diagnostic for the Development of Human Preeclampsia. FASEB Journal, 2019, 33, 865.2.	0.2	0
71	Effect of Aspirin on Placental Gene Expression in Preeclampsia. FASEB Journal, 2019, 33, 865.14.	0.2	0
72	Reduced Postpartum Cognitive Function in Young Women with a History of Preeclampsia: Association with Blood Pressure Variability. FASEB Journal, 2020, 34, 1-1.	0.2	0

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73	Non-Invasive Fetal Genome Sequencing: Opportunities and Challenges. , 2020, , 185-187.		0
74	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
75	Arginine Vasopressin is not elevated in Early Pregnancy Loss. FASEB Journal, 2022, 36, .	0.2	0
76	Effect of Parity on Cardiovagal Baroreflex Sensitivity and Blood Pressure Variability in Sequential Pregnancies and Postpartum. FASEB Journal, 2022, 36, .	0.2	0
77	Differences in blood pressure readings in pregnancy based on method of measurement. Proceedings in Obstetrics and Gynecology, 2022, 11, .	0.1	0
78	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
79	Difference in Blood Pressure Measurements in Pregnant Women when using the Gold Standard Method versus Clinical Measurements. FASEB Journal, 2022, 36, .	0.2	0
80	Cord Blood Metabolomics and Autism Spectrum Disorder. FASEB Journal, 2022, 36, .	0.2	0
81	Abstract 9: The Vasopressin Pro-Segment Copeptin: A Novel, First Trimester Predictor of Preeclampsia. Hypertension, 2013, 62, .	1.3	0
82	Abstract 091: Chronic Vasopressin Infusion: A Novel, Clinically Significant, and <i>Pregnancy-Specific</i> Mouse Model of Preeclampsia. Hypertension, 2014, 64, .	1.3	0