Mark Kharim Orcullo Santillan

List of Publications by Year
in descending order

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	RNA profiles reveal signatures of future health and disease in pregnancy. Nature, 2022, 601, 422-427.	13.7	90
2	Effect of positioning on blood pressure measurement in pregnancy. Pregnancy Hypertension, 2022, 27, 110-114.	0.6	1
3	Association between plasma leptin and cesarean section after induction of labor: a case control study. BMC Pregnancy and Childbirth, 2022, 22, 29.	0.9	1
4	Reduced Maternal Circulating Cellâ€Free Mitochondrial DNA Is Associated With the Development of Preeclampsia. Journal of the American Heart Association, 2022, 11, e021726.	1.6	11
5	Umbilical Cord Blood Leptin and IL-6 in the Presence of Maternal Diabetes or Chorioamnionitis. Frontiers in Endocrinology, 2022, 13, 836541.	1.5	3
6	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
7	Postpartum ambulatory and home blood pressure monitoring in women with history of preeclampsia: Diagnostic agreement and detection of masked hypertension. Pregnancy Hypertension, 2022, 29, 23-29.	0.6	1
8	Arginine Vasopressin is not elevated in Early Pregnancy Loss. FASEB Journal, 2022, 36, .	0.2	0
9	Effect of Parity on Cardiovagal Baroreflex Sensitivity and Blood Pressure Variability in Sequential Pregnancies and Postpartum. FASEB Journal, 2022, 36, .	0.2	0
10	Differences in blood pressure readings in pregnancy based on method of measurement. Proceedings in Obstetrics and Gynecology, 2022, 11, .	0.1	0
11	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
12	Elevated Urinary Arginine Vasopressin Concentrations during Preeclamptic Pregnancies do not Persist Postpartum. FASEB Journal, 2022, 36, .	0.2	1
13	Difference in Blood Pressure Measurements in Pregnant Women when using the Gold Standard Method versus Clinical Measurements. FASEB Journal, 2022, 36, .	0.2	0
14	Cord Blood Metabolomics and Autism Spectrum Disorder. FASEB Journal, 2022, 36, .	0.2	0
15	Association between maternal prepregnancy body mass index and risk of preterm birth in more than 1 million Asian American mothers. Journal of Diabetes, 2021, 13, 364-374.	0.8	3
16	Prevalence and Distribution of Electronic Cigarette Use Before and During Pregnancy Among Women in 38 States of the United States. Nicotine and Tobacco Research, 2021, 23, 1459-1467.	1.4	12
17	Team Science: American Heart Associationâ€™s Hypertension Strategically Focused Research Network Experience. Hypertension, 2021, 77, 1857-1866.	1.3	0
18	Twenty-Four-Hour Blood Pressure Variability Is Associated With Lower Cognitive Performance in Young Women With a Recent History of Preeclampsia. American Journal of Hypertension, 2021, 34, 1291-1299.	1.0	10

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19	The Serotonin-Immune Axis in Preeclampsia. Current Hypertension Reports, 2021, 23, 37.	1.5	24
20	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
21	Association of Maternal Sexually Transmitted Infections With Risk of Preterm Birth in the United States. JAMA Network Open, 2021, 4, e2133413.	2.8	26
22	Manipulating CD4+ T Cell Pathways to Prevent Preeclampsia. Frontiers in Bioengineering and Biotechnology, 2021, 9, 811417.	2.0	10
23	Trimester-specific plasma exosome microRNA expression profiles in preeclampsia. Journal of Maternal-Fetal and Neonatal Medicine, 2020, 33, 3116-3124.	0.7	32
24	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. Hypertension, 2020, 75, 569-579.	1.3	24
25	Association of Maternal Prepregnancy Diabetes and Gestational Diabetes Mellitus With Congenital Anomalies of the Newborn. Diabetes Care, 2020, 43, 2983-2990.	4.3	77
26	Beat-to-Beat Blood Pressure Variability in the First Trimester Is Associated With the Development of Preeclampsia in a Prospective Cohort. Hypertension, 2020, 76, 1800-1807.	1.3	11
27	Rheumatologic Medication Use During Pregnancy. Obstetrics and Gynecology, 2020, 135, 1161-1176.	1.2	6
28	Neurodevelopmental Outcomes of Prenatal Preeclampsia Exposure. Trends in Neurosciences, 2020, 43, 253-268.	4.2	91
29	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
30	Non-Invasive Fetal Genome Sequencing: Opportunities and Challenges. , 2020, , 185-187.		0
31	Microvascular Endothelial Glycocalyx Function in Human Pregnancy and Postpartum in Women with a History of Preeclampsia. FASEB Journal, 2020, 34, 1-1.	0.2	1
32	Association between maternal pre-pregnancy obesity and preterm birth according to maternal age and race or ethnicity: a population-based study. Lancet Diabetes and Endocrinology,the, 2019, 7, 707-714.	5.5	105
33	The Preconception Period analysis of Risks and Exposures Influencing health and Development (PrePARED) consortium. Paediatric and Perinatal Epidemiology, 2019, 33, 490-502.	0.8	18
34	Research Recommendations From the National Institutes of Health Workshop on Predicting, Preventing, and Treating Preeclampsia. Hypertension, 2019, 73, 757-766.	1.3	38
35	Endothelial PPARÎ³ (Peroxisome Proliferatorâ€“Activated Receptor-Î³) Protects From Angiotensin Iâ€“Induced Endothelial Dysfunction in Adult Offspring Born From Pregnancies Complicated by Hypertension. Hypertension, 2019, 74, 173-183.	1.3	18
36	Levels of tin and organotin compounds in human urine samples from Iowa, United States. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 884-890.	0.9	7

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37	National Estimates of e-Cigarette Use Among Pregnant and Nonpregnant Women of Reproductive Age in the United States, 2014-2017. JAMA Pediatrics, 2019, 173, 600.	3.3	61
38	Reduced renal responsiveness to vasopressin during preeclampsia. FASEB Journal, 2019, 33, 865.4.	0.2	0
39	Novel Mechanisms of Preeclampsia Prevention via SGK1. FASEB Journal, 2019, 33, 865.10.	0.2	0
40	Effects of Maternal Hypertensive Disorders on the Expression of Arginine Vasopressin Receptors in Offspring. FASEB Journal, 2019, 33, 593.4.	0.2	0
41	Elevations in Endothelinâ€1 Predate and are Strongly Diagnostic for the Development of Human Preeclampsia. FASEB Journal, 2019, 33, 865.2.	0.2	0
42	Effect of Aspirin on Placental Gene Expression in Preeclampsia. FASEB Journal, 2019, 33, 865.14.	0.2	0
43	Elevated vasopressin in pregnant mice induces T-helper subset alterations consistent with human preeclampsia. Clinical Science, 2018, 132, 419-436.	1.8	39
44	Arginine vasopressin infusion is sufficient to model clinical features of preeclampsia in mice. JCI Insight, 2018, 3, .	2.3	55
45	Angiotensin AT_{1A}receptors expressed in vasopressin-producing cells of the supraoptic nucleus contribute to osmotic control of vasopressin. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R770-R780.	0.9	29
46	Regulators of G protein signaling in cardiovascular function during pregnancy. Physiological Genomics, 2018, 50, 590-604.	1.0	26
47	Evaluating the association of physical activity and weight gain in pregnancy. Proceedings in Obstetrics and Gynecology, 2018, 8, 1-2.	0.1	0
48	Impact of vasopressin receptors on regulation of immune response in preeclampsia. Proceedings in Obstetrics and Gynecology, 2018, 8, 1-2.	0.1	0
49	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
50	Reduced Placental Expression of Regulator of Gâ€Protein Signalingâ€2 (RGS2) and Preeclampsia. FASEB Journal, 2018, 32, 911.6.	0.2	0
51	Vasopressin infusion throughout pregnancy causes placental pathology in mice consistent with preeclampsia. FASEB Journal, 2018, 32, 676.11.	0.2	0
52	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
53	Introduction to the American Heart Associationâ€™s Hypertension Strategically Focused Research Network. Hypertension, 2016, 67, 674-680.	1.3	10
54	Breaking a Motherâ€™s Heart. Hypertension, 2016, 67, 1119-1120.	1.3	4

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55	Mast Cells Release Chemokine CCL2 in Response to Parkinsonian Toxin 1-Methyl-4-Phenyl-Pyridinium (MPP+). Neurochemical Research, 2016, 41, 1042-1049.	1.6	25
56	The relationship between obesity, pregnancy, and levels of indoleamine 2,3-dioxygenase. Proceedings in Obstetrics and Gynecology, 2016, 5, 1-2.	0.1	0
57	Does leptin predict successful induction of labor?. Proceedings in Obstetrics and Gynecology, 2016, 5, 1-2.	0.1	0
58	Abstract P323: Arginine Vasopressin and Indoleamine 2,3 Dioxygenase: The Early Immunovascular Interface in Preeclampsia. Hypertension, 2016, 68, .	1.3	0
59	Abstract 033: Differential Vasopressin Receptor Expression on CD4+ T Cells from Mouse and Human Preeclamptic Pregnancies. Hypertension, 2016, 68, .	1.3	0
60	Abstract P321: Differential Leptin Levels are Associated with Hypertensive Disorders of Pregnancy and Adverse Pregnancy Outcomes. Hypertension, 2016, 68, .	1.3	2
61	Pregnant mice lacking indoleamine 2,3-dioxygenase exhibit preeclampsia phenotypes. Physiological Reports, 2015, 3, e12257.	0.7	65
62	Changes in antimÃ¼llerian hormone levels in early pregnancy are associated with preterm birth. Fertility and Sterility, 2015, 104, 347-355.e3.	0.5	22
63	Vasopressin: the missing link for preeclampsia?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1062-R1064.	0.9	34
64	Aspirin inhibits expression of sFLT1 from human cytotrophoblasts induced by hypoxia, via cyclo-oxygenase 1. Placenta, 2015, 36, 446-453.	0.7	59
65	Dopaminergic Toxin 1-Methyl-4-Phenylpyridinium, Proteins Î±-Synuclein and Glia Maturation Factor Activate Mast Cells and Release Inflammatory Mediators. PLoS ONE, 2015, 10, e0135776.	1.1	33
66	Glia Maturation Factor Stimulates Release of Proinflammatory Mediators from Mast Cells. FASEB Journal, 2015, 29, LB82.	0.2	0
67	Early Prediction of Preeclampsia: Hope for Early Intervention?. Current Women's Health Reviews, 2015, 11, 120-126.	0.1	0
68	Placenta-Specific Protein 1: A Potential Key to Many Oncofetal-Placental OB/GYN Research Questions. Obstetrics and Gynecology International, 2014, 2014, 1-5.	0.5	13
69	Vasopressin in Preeclampsia. Hypertension, 2014, 64, 852-859.	1.3	106
70	â€œCollection of a lifetime: A practical approach to developing a longitudinal collection of women's healthcare biological samplesâ€• European Journal of Obstetrics, Gynecology and Reproductive Biology, 2014, 179, 94-99.	0.5	39
71	Forceps Delivery Volumes in Teaching and Nonteaching Hospitals. Academic Medicine, 2014, 89, 71-76.	0.8	30
72	Abstract 286: Immune Dysfunction in a Vasopressin-Induced Mouse Model of Preeclampsia. Hypertension, 2014, 64, .	1.3	0

#	Article	IF	Citations
73	Abstract 091: Chronic Vasopressin Infusion: A Novel, Clinically Significant, and Pregnancy-Specific Mouse Model of Preeclampsia. Hypertension, 2014, 64, .	1.3	0
74	Noninvasive fetal genome sequencing: a primer. Prenatal Diagnosis, 2013, 33, 547-554.	1.1	34
75	Abstract 9: The Vasopressin Pro-Segment Copeptin: A Novel, First Trimester Predictor of Preeclampsia. Hypertension, 2013, 62, .	1.3	0
76	Single Umbilical Artery: Does Side Matter?. Fetal Diagnosis and Therapy, 2012, 32, 201-208.	0.6	9
77	Nonâ€invasive fetal genome sequencing: Opportunities and challenges. American Journal of Medical Genetics, Part A, 2012, 158A, 2382-2384.	0.7	13
78	The association between hospital obstetrical volume and maternal postpartum complications. American Journal of Obstetrics and Gynecology, 2012, 207, 42.e1-42.e17.	0.7	68
79	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
80	From molecules to medicine: A future cure for preeclampsia?. Drug News and Perspectives, 2009, 22, 531.	1.9	14
81	The Effect of a Novel Glycoprotein IIb/IIIa Antagonist, SR 121566A, on Platelet Aggregation and Activation in Rhesus Monkeys. Clinical and Applied Thrombosis/Hemostasis, 2001, 7, 10-15.	0.7	2
82	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