

Charles R Rosenfeld

List of Publications by Year in descending order

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102
papers

4,625
citations

87723

38
h-index

102304

66
g-index

109
all docs

109
docs citations

109
times ranked

2565
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistent high blood pressure and renal dysfunction in preterm infants during childhood. <i>Pediatric Research</i> , 2023, 93, 217-225.	1.1	1
2	Placental clearance not synthesis tempers exaggerated pro-inflammatory cytokine response in neonates exposed to chorioamnionitis. <i>Pediatric Research</i> , 2023, 93, 675-681.	1.1	4
3	Association of antenatal steroids with surfactant administration in moderate preterm infants born to women with diabetes mellitus and/or hypertension. <i>Journal of Perinatology</i> , 2022, 42, 993-1000.	0.9	1
4	Autism spectrum disorders in extremely preterm infants and placental pathology findings: a matched case-control study. <i>Pediatric Research</i> , 2021, 89, 1825-1831.	1.1	6
5	Discontinuing Nasal Continuous Positive Airway Pressure in Infants 32 Weeks of Gestational Age: A Randomized Control Trial. <i>Journal of Pediatrics</i> , 2021, 230, 93-99.e3.	0.9	4
6	Quality improvement project designed to reduce disproportionate growth in extremely low gestational age neonates: cognitive neurodevelopmental outcome at 18-41 months. <i>Journal of Perinatology</i> , 2021, 41, 1050-1058.	0.9	2
7	Association of antenatal steroids with neonatal mortality and morbidity in preterm infants born to mothers with diabetes mellitus and hypertension. <i>Journal of Perinatology</i> , 2021, 41, 1660-1668.	0.9	5
8	Carotid smooth muscle contractility changes after severe burn. <i>Scientific Reports</i> , 2021, 11, 18094.	1.6	1
9	Impact of multiple placental pathologies on neonatal death, bronchopulmonary dysplasia, and neurodevelopmental impairment in preterm infants. <i>Pediatric Research</i> , 2020, 87, 885-891.	1.1	19
10	Association of age of initiation and type of complementary foods with body mass index and weight-for-length at 12 months of age in preterm infants. <i>Journal of Perinatology</i> , 2020, 40, 1394-1404.	0.9	6
11	Optimizing individual nutrition in preterm very low birth weight infants: double-blinded randomized controlled trial. <i>Journal of Perinatology</i> , 2020, 40, 655-665.	0.9	16
12	Adjustable feedings plus accurate serial length measurements decrease discharge weight-length disproportion in very preterm infants: quality improvement project. <i>Journal of Perinatology</i> , 2019, 39, 1131-1139.	0.9	12
13	Decrease in the frequency of treatment for patent ductus arteriosus after implementation of consensus guidelines: a 15-year experience. <i>Journal of Perinatology</i> , 2019, 39, 1569-1576.	0.9	5
14	Data electronically extracted from the electronic health record require validation. <i>Journal of Perinatology</i> , 2019, 39, 468-474.	0.9	8
15	Placental clearance/synthesis of neurobiomarkers GFAP and UCH-L1 in healthy term neonates and those with moderate-severe neonatal encephalopathy. <i>Pediatric Research</i> , 2019, 86, 500-504.	1.1	3
16	Adrenal insufficiency in neonates undergoing cardiopulmonary bypass and postoperative hypothalamic-pituitary-adrenal function after prophylactic glucocorticoids. <i>Journal of Perinatology</i> , 2019, 39, 640-647.	0.9	4
17	Screening and Serial Neutrophil Counts Do Not Contribute to the Recognition or Diagnosis of Late-Onset Neonatal Sepsis. <i>Journal of Pediatrics</i> , 2019, 205, 105-111.e2.	0.9	8
18	Valid serial length measurements in preterm infants permit characterization of growth patterns. <i>Journal of Perinatology</i> , 2018, 38, 1694-1701.	0.9	8

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19	Extreme Preterm Infant Rates of Overweight and Obesity at School Age in the SUPPORT Neuroimaging and Neurodevelopmental Outcomes Cohort. <i>Journal of Pediatrics</i> , 2018, 200, 132-139.e3.	0.9	23
20	Fetal-placental crosstalk occurs through fetal cytokine synthesis and placental clearance. <i>Placenta</i> , 2018, 69, 1-8.	0.7	13
21	Lenticulostriate vasculopathy in preterm infants: a new classification, clinical associations and neurodevelopmental outcome. <i>Journal of Perinatology</i> , 2018, 38, 1370-1378.	0.9	12
22	Biomarkers of adiposity are elevated in preterm very-low-birth-weight infants at 1, 2, and 3 y of age. <i>Pediatric Research</i> , 2017, 81, 780-786.	1.1	12
23	Augmented H2S production via cystathionine-beta-synthase upregulation plays a role in pregnancy-associated uterine vasodilation. <i>Biology of Reproduction</i> , 2017, 96, 664-672.	1.2	41
24	Regulation of the Placental Circulation. , 2017, , 114-121.e2.		1
25	Lenticulostriate vasculopathy in neonates: Is it a marker of cerebral insult? Critical review of the literature. <i>Early Human Development</i> , 2015, 91, 423-426.	0.8	14
26	Lenticulostriate vasculopathy in neonates: Perspective of the radiologist. <i>Early Human Development</i> , 2015, 91, 431-435.	0.8	9
27	Maternal high-fat diet is associated with impaired fetal lung development. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L360-L368.	1.3	44
28	Placental pathology is associated with severity of neonatal encephalopathy and adverse developmental outcomes following hypothermia. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 213, 849.e1-849.e7.	0.7	76
29	Estrogen Replacement Therapy in Ovariectomized Nonpregnant Ewes Stimulates Uterine Artery Hydrogen Sulfide Biosynthesis by Selectively Up-Regulating Cystathionine Î²-Synthase Expression. <i>Endocrinology</i> , 2015, 156, 2288-2298.	1.4	37
30	Large Conductance Ca ²⁺ -Activated K ⁺ Channels Modulate Uterine Î±1-Adrenergic Sensitivity in Ovine Pregnancy. <i>Reproductive Sciences</i> , 2014, 21, 456-464.	1.1	6
31	Prolonged uterine artery nitric oxide synthase inhibition modestly alters basal uteroplacental vasodilation in the last third of ovine pregnancy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1196-H1203.	1.5	16
32	Serial Neutrophil Values Facilitate Predicting the Absence of Neonatal Early-Onset Sepsis. <i>Journal of Pediatrics</i> , 2014, 164, 522-528.e3.	0.9	36
33	Biomarkers for Severity of Neonatal Hypoxic-Ischemic Encephalopathy and Outcomes in Newborns Receiving Hypothermia Therapy. <i>Journal of Pediatrics</i> , 2014, 164, 468-474.e1.	0.9	182
34	Pregnancy increases myometrial artery myogenic tone via NOS- or COX-independent mechanisms. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R368-R375.	0.9	17
35	Defining the differential sensitivity to norepinephrine and angiotensin II in the ovine uterine vasculature. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R59-R67.	0.9	8
36	Differential Sensitivity to Angiotensin II and Norepinephrine in Human Uterine Arteries. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 138-147.	1.8	18

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37	Large Conductance Ca ²⁺ -Activated and Voltage-Activated K ⁺ Channels Contribute to the Rise and Maintenance of Estrogen-Induced Uterine Vasodilation and Maintenance of Blood Pressure. <i>Endocrinology</i> , 2012, 153, 6012-6020.	1.4	13
38	Renal function and systolic blood pressure in very-low-birth-weight infants 1–3 years of age. <i>Pediatric Nephrology</i> , 2012, 27, 2285-2291.	0.9	28
39	Elevated systolic blood pressure in preterm very-low-birth-weight infants 3 years of life. <i>Pediatric Nephrology</i> , 2011, 26, 1115-1121.	0.9	37
40	Regulation of the Placental Circulation. , 2011, , 121-127.		0
41	Regulation of the cGMP-cPKG pathway and large-conductance Ca ²⁺ -activated K ⁺ channels in uterine arteries during the ovine ovarian cycle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E222-E228.	1.8	22
42	Pregnancy modifies the large conductance Ca ²⁺ -activated K ⁺ channel and cGMP-dependent signaling pathway in uterine vascular smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1878-H1887.	1.5	46
43	Large Conductance Ca ²⁺ -Activated K ⁺ Channels Contribute to Vascular Function in Nonpregnant Human Uterine Arteries. <i>Reproductive Sciences</i> , 2008, 15, 651-660.	1.1	22
44	Interrater Reliability and Effect of State on Blood Pressure Measurements in Infants 1 to 3 Years of Age. <i>Pediatrics</i> , 2008, 122, e590-e594.	1.0	16
45	Meconium Increases Type 1 Angiotensin II Receptor Expression and Alveolar Cell Death. <i>Pediatric Research</i> , 2008, 63, 251-256.	1.1	16
46	Vascular development in early ovine gestation: carotid smooth muscle function, phenotype, and biochemical markers. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R323-R333.	0.9	18
47	The Renin-Angiotensin System in Conscious Newborn Sheep: Metabolic Clearance Rate and Activity. <i>Pediatric Research</i> , 2007, 61, 681-686.	1.1	11
48	Prevalence of Spontaneous Closure of the Ductus Arteriosus in Neonates at a Birth Weight of 1000 Grams or Less. <i>Pediatrics</i> , 2006, 117, 1113-1121.	1.0	354
49	Estrogen regulates β 1-subunit expression in Ca ²⁺ -activated K ⁺ channels in arteries from reproductive tissues. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H1417-H1427.	1.5	44
50	Large-Conductance Ca ²⁺ -Dependent K ⁺ Channels Regulate Basal Uteroplacental Blood Flow in Ovine Pregnancy. <i>Journal of the Society for Gynecologic Investigation</i> , 2005, 12, 402-408.	1.9	37
51	Vessel-Specific Regulation of Angiotensin II Receptor Subtypes During Ovine Development. <i>Pediatric Research</i> , 2005, 57, 124-132.	1.1	13
52	Effects of Systemic and Local Phenylephrine and Arginine Vasopressin Infusions in Conscious Postnatal Sheep. <i>Pediatric Research</i> , 2005, 58, 58-65.	1.1	4
53	Angiotensin II mediates uterine vasoconstriction through β -stimulation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H126-H134.	1.5	13
54	Hospital Survival of Very-Low-Birth-Weight Neonates from 1977 to 2000. <i>Journal of Perinatology</i> , 2004, 24, 343-350.	0.9	51

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55	Are Complete Blood Cell Counts Useful in the Evaluation of Asymptomatic Neonates Exposed to Suspected Chorioamnionitis?. <i>Pediatrics</i> , 2004, 113, 1173-1180.	1.0	63
56	Regulation of the Placental Circulation. , 2004, , 97-103.		4
57	Estrogen Selectively Up-Regulates eNOS and nNOS in Reproductive Arteries By Transcriptional Mechanisms. <i>Journal of the Society for Gynecologic Investigation</i> , 2003, 10, 205-215.	1.9	19
58	Estrogen selectively up-regulates eNOS and nNOS in reproductive arteries by transcriptional mechanisms. <i>Journal of the Society for Gynecologic Investigation</i> , 2003, 10, 205-215.	1.9	55
59	Mechanisms modulating estrogen-induced uterine vasodilation. <i>Vascular Pharmacology</i> , 2002, 38, 115-125.	1.0	68
60	Mechanisms regulating angiotensin II responsiveness by the uteroplacental circulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R1025-R1040.	0.9	42
61	Ca ²⁺ -activated K ⁺ channels modulate basal and E ₂ ¹² -induced rises in uterine blood flow in ovine pregnancy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H422-H431.	1.5	56
62	Determinants of blood pressure in very low birth weight neonates: lack of effect of antenatal steroids. <i>Early Human Development</i> , 2000, 59, 37-50.	0.8	40
63	Angiotensin II indirectly vasoconstricts the ovine uterine circulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 278, R337-R344.	0.9	18
64	Calcium-activated potassium channels and nitric oxide coregulate estrogen-induced vasodilation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H319-H328.	1.5	103
65	Regulation of types I and III NOS in ovine uterine arteries by daily and acute estrogen exposure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H2134-H2142.	1.5	52
66	Ontogeny of Vascular Angiotensin II Receptor Subtype Expression in Ovine Development. <i>Pediatric Research</i> , 1999, 45, 414-424.	1.1	41
67	Differential development of umbilical and systemic arteries. II. Contractile proteins. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 274, R1815-R1823.	0.9	13
68	The Small for Gestational Age Infant: Accelerated or Delayed Pulmonary Maturation? Increased or Decreased Survival?. <i>Pediatrics</i> , 1995, 95, 534-538.	1.0	126
69	Angiotensin II metabolic clearance rate and pressor responses in nonpregnant and pregnant women. <i>American Journal of Obstetrics and Gynecology</i> , 1994, 171, 668-679.	0.7	60
70	Prediction of the severity of meconium aspiration syndrome. <i>American Journal of Obstetrics and Gynecology</i> , 1993, 169, 61-70.	0.7	60
71	Ontogeny of angiotensin II vascular smooth muscle receptors in ovine fetal aorta and placental and uterine arteries. <i>American Journal of Obstetrics and Gynecology</i> , 1993, 168, 1562-1569.	0.7	17
72	Angiotensin II vascular smooth-muscle receptors are not down-regulated in near-term pregnant sheep. <i>American Journal of Obstetrics and Gynecology</i> , 1991, 165, 1641-1648.	0.7	46

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73	Symptomatic patent ductus arteriosus in very-low-birth-weight infants: 1987-1989. <i>Early Human Development</i> , 1991, 27, 65-77.	0.8	46
74	Neonatal intracranial hemorrhage: I. changing pattern in inborn low-birth-weight infants. <i>Early Human Development</i> , 1990, 23, 117-128.	0.8	19
75	Prenatal Care Evaluation and Cohort Analyses. <i>Pediatrics</i> , 1990, 85, 195-204.	1.0	25
76	Why Use Indomethacin?. <i>Pediatrics</i> , 1990, 86, 146-147.	1.0	0
77	Mechanisms for attenuated pressor responses to $\hat{\alpha}$ -agonists in ovine pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 1988, 159, 252-261.	0.7	38
78	The Concentration of the 35-kDa Surfactant Apoprotein in Amniotic Fluid from Normal and Diabetic Pregnancies. <i>Pediatric Research</i> , 1988, 24, 728-734.	1.1	63
79	Vasopressin and Catecholamine Secretion during Metabolic Acidemia in the Ovine Fetus. <i>Pediatric Research</i> , 1987, 21, 38-43.	1.1	19
80	Failure to Detect a Stimulatory Effect of Estradiol-17 $\hat{\beta}$ 2 on Ovine Fetal Lung Maturation. <i>Pediatric Research</i> , 1987, 22, 145-149.	1.1	10
81	Risk Factors for the Occurrence of Pregnancy-Induced Hypertension. <i>Clinical and Experimental Hypertension Part B, Hypertension in Pregnancy</i> , 1987, 6, 281-297.	0.2	2
82	Systemic and uterine responses to $\hat{\alpha}$ -adrenergic stimulation in pregnant and nonpregnant ewes. <i>American Journal of Obstetrics and Gynecology</i> , 1986, 155, 897-904.	0.7	114
83	Fetal responses to maternal infusions of angiotensin II. <i>American Journal of Obstetrics and Gynecology</i> , 1986, 154, 195-203.	0.7	10
84	Urinary Arginine Vasopressin: Pattern of Excretion in the Neonatal Period. <i>Pediatric Research</i> , 1986, 20, 103-108.	1.1	39
85	Incidence and risk factors for symptomatic patent ductus arteriosus among inborn very-low-birth-weight infants. <i>Early Human Development</i> , 1985, 12, 39-48.	0.8	40
86	Systemic and uterine responsiveness to angiotensin II and norepinephrine in estrogen-treated nonpregnant sheep. <i>American Journal of Obstetrics and Gynecology</i> , 1985, 153, 417-425.	0.7	38
87	Hemodynamic effects of indomethacin in chronically instrumented pregnant sheep. <i>American Journal of Obstetrics and Gynecology</i> , 1985, 151, 484-494.	0.7	37
88	Estrogen-induced refractoriness to the pressor effects of infused angiotensin II. <i>American Journal of Obstetrics and Gynecology</i> , 1984, 148, 429-435.	0.7	55
89	Neutropenia in high-risk neonates. <i>Journal of Pediatrics</i> , 1984, 105, 982-986.	0.9	94
90	MECHANISM OF ARGININE VASOPRESSIN RELEASE IN THE SHEEP FETUS. <i>Pediatric Research</i> , 1982, 16, 504-506.	1.1	49

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91	Regional Blood Flows in Newborn Lambs During Endotracheal Continuous Airway Pressure and Continuous Negative Pressure Breathing. <i>Pediatric Research</i> , 1981, 15, 874-878.	1.1	22
92	Ovine Fetoplacental Sulfoconjugation and Aromatization of Dehydroepiandrosterone*. <i>Endocrinology</i> , 1980, 106, 1971-1979.	1.4	31
93	The neonatal blood count in health and disease.I. Reference values for neutrophilic cells. <i>Journal of Pediatrics</i> , 1979, 95, 89-98.	0.9	715
94	Circulatory responses to systemic infusions of estrone and estradiol-17 β in nonpregnant, oophorectomized ewes. <i>American Journal of Obstetrics and Gynecology</i> , 1978, 132, 442-448.	0.7	17
95	The effect of systemic infusions of dehydroisoandrosterone on the distribution of uterine blood flow in ovine pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 1978, 130, 385-390.	0.7	9
96	Circulatory response to systemic infusion of norepinephrine in the pregnant ewe. <i>American Journal of Obstetrics and Gynecology</i> , 1977, 127, 376-383.	0.7	101
97	The differential leukocyte count in the assessment and outcome of early-onset neonatal group B streptococcal disease. <i>Journal of Pediatrics</i> , 1977, 91, 632-637.	0.9	154
98	Effect of estradiol-17 β on blood flow to reproductive and nonreproductive tissues in pregnant ewes. <i>American Journal of Obstetrics and Gynecology</i> , 1976, 124, 618-629.	0.7	147
99	Effects of epinephrine on distribution of blood flow in the pregnant ewe. <i>American Journal of Obstetrics and Gynecology</i> , 1976, 124, 156-163.	0.7	161
100	Circulatory Changes in the Reproductive Tissues of Ewes during Pregnancy. <i>Gynecologic and Obstetric Investigation</i> , 1974, 5, 252-268.	0.7	161
101	Effect of Estradiol-17, β on the Magnitude and Distribution of Uterine Blood Flow in Nonpregnant, Oophorectomized Ewes. <i>Pediatric Research</i> , 1973, 7, 139-148.	1.1	97
102	Differential Responses to Systemic and Local Angiotensin II Infusions in Conscious Postnatal Sheep. , 0,		1