

Linda A Gallo

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

3,948
citations

136950

32
h-index

138484

58
g-index

107
all docs

107
docs citations

107
times ranked

4704
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing SGLT2 as a therapeutic target for diabetes: Basic physiology and consequences. <i>Diabetes and Vascular Disease Research</i> , 2015, 12, 78-89.	2.0	298
2	The Impact of Isolation Measures Due to COVID-19 on Energy Intake and Physical Activity Levels in Australian University Students. <i>Nutrients</i> , 2020, 12, 1865.	4.1	231
3	Normal Lactational Environment Restores Nephron Endowment and Prevents Hypertension after Placental Restriction in the Rat. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 1688-1696.	6.1	197
4	Growth restriction before or after birth reduces nephron number and increases blood pressure in male rats. <i>Kidney International</i> , 2008, 74, 187-195.	5.2	162
5	Review: Placental mitochondrial function and structure in gestational disorders. <i>Placenta</i> , 2017, 54, 2-9.	1.5	151
6	Uteroplacental insufficiency causes a nephron deficit, modest renal insufficiency but no hypertension with ageing in female rats. <i>Journal of Physiology</i> , 2009, 587, 2635-2646.	2.9	128
7	Functional development of the meso- and metanephros. <i>Pediatric Nephrology</i> , 1999, 13, 171-178.	1.7	127
8	Prenatal corticosterone exposure results in altered AT ₁ /AT ₂ , nephron deficit and hypertension in the rat offspring. <i>Journal of Physiology</i> , 2007, 579, 503-513.	2.9	125
9	Once daily administration of the SGLT2 inhibitor, empagliflozin, attenuates markers of renal fibrosis without improving albuminuria in diabetic db/db mice. <i>Scientific Reports</i> , 2016, 6, 26428.	3.3	119
10	Programming of maternal and offspring disease: impact of growth restriction, fetal sex and transmission across generations. <i>Journal of Physiology</i> , 2016, 594, 4727-4740.	2.9	112
11	Compensatory Renal Growth after Unilateral Nephrectomy in the Ovine Fetus. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 406-410.	6.1	107
12	Influenza Virus and Glycemic Variability in Diabetes: A Killer Combination?. <i>Frontiers in Microbiology</i> , 2017, 8, 861.	3.5	91
13	Developmental programming of a reduced nephron endowment: more than just a baby's birth weight. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F1-F9.	2.7	90
14	Short- and long-term effects of exposure to natural and synthetic glucocorticoids during development. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 979-989.	1.9	76
15	Uteroplacental restriction in the rat impairs fetal growth in association with alterations in placental growth factors including PTHrP. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R1620-R1627.	1.8	71
16	Prenatal glucocorticoid exposure in the sheep alters renal development in utero: implications for adult renal function and blood pressure control. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R500-R509.	1.8	69
17	Maternal alcohol intake around the time of conception causes glucose intolerance and insulin insensitivity in rat offspring, which is exacerbated by a postnatal high-fat diet. <i>FASEB Journal</i> , 2015, 29, 2690-2701.	0.5	57
18	Review: Placental transport and metabolism of energy substrates in maternal obesity and diabetes. <i>Placenta</i> , 2017, 54, 59-67.	1.5	56

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19	Placental O-GlcNAc-transferase expression and interactions with the glucocorticoid receptor are sex specific and regulated by maternal corticosterone exposure in mice. <i>Scientific Reports</i> , 2017, 7, 2017.	3.3	50
20	Mitochondrial Dysfunction and Signaling in Diabetic Kidney Disease: Oxidative Stress and Beyond. <i>Seminars in Nephrology</i> , 2018, 38, 101-110.	1.6	50
21	Short-term exercise training early in life restores deficits in pancreatic β -cell mass associated with growth restriction in adult male rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 301, E931-E940.	3.5	48
22	Cardio-renal and metabolic adaptations during pregnancy in female rats born small: implications for maternal health and second generation fetal growth. <i>Journal of Physiology</i> , 2012, 590, 617-630.	2.9	48
23	Deficiency in Apoptosis-Inducing Factor Recapitulates Chronic Kidney Disease via Aberrant Mitochondrial Homeostasis. <i>Diabetes</i> , 2016, 65, 1085-1098.	0.6	47
24	A design-based method for estimating glomerular number in the developing kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F1448-F1453.	2.7	42
25	Normal lactational environment restores cardiomyocyte number after uteroplacental insufficiency: implications for the preterm neonate. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R1101-R1110.	1.8	42
26	Compensatory responses to nephron deficiency: Adaptive or maladaptive?. <i>Nephrology</i> , 2014, 19, 119-128.	1.6	39
27	Renal developmental defects resulting from in utero hypoxia are associated with suppression of ureteric β -catenin signaling. <i>Kidney International</i> , 2015, 87, 975-983.	5.2	39
28	Dexamethasone and sex regulate placental glucocorticoid receptor isoforms in mice. <i>Journal of Endocrinology</i> , 2017, 234, 89-100.	2.6	37
29	Prenatal Exposure to Dexamethasone in the Mouse Alters Cardiac Growth Patterns and Increases Pulse Pressure in Aged Male Offspring. <i>PLoS ONE</i> , 2013, 8, e69149.	2.5	36
30	Transgenerational programming of fetal nephron deficits and sex-specific adult hypertension in rats. <i>Reproduction, Fertility and Development</i> , 2014, 26, 1032.	0.4	35
31	Adverse prenatal environment and kidney development: implications for programming of adult disease. <i>Reproduction</i> , 2014, 147, R189-R198.	2.6	35
32	Targeted mitochondrial therapy using MitoQ shows equivalent renoprotection to angiotensin converting enzyme inhibition but no combined synergy in diabetes. <i>Scientific Reports</i> , 2017, 7, 15190.	3.3	34
33	Glycemic Variability in Diabetes Increases the Severity of Influenza. <i>MBio</i> , 2020, 11, .	4.1	32
34	Excess prenatal corticosterone exposure results in albuminuria, sex-specific hypotension, and altered heart rate responses to restraint stress in aged adult mice. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F1065-F1073.	2.7	29
35	Late gestational hypoxia and a postnatal high salt diet programs endothelial dysfunction and arterial stiffness in adult mouse offspring. <i>Journal of Physiology</i> , 2016, 594, 1451-1463.	2.9	29
36	Periconceptual alcohol exposure causes female-specific perturbations to trophoblast differentiation and placental formation in the rat. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	29

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37	Transgenerational metabolic outcomes associated with uteroplacental insufficiency. <i>Journal of Endocrinology</i> , 2013, 217, 105-118.	2.6	28
38	Deletion of bone-marrow-derived receptor for AGEs (RAGE) improves renal function in an experimental mouse model of diabetes. <i>Diabetologia</i> , 2014, 57, 1977-1985.	6.3	26
39	Pregnancy in aged rats that were born small: cardiorenal and metabolic adaptations and second-generation fetal growth. <i>FASEB Journal</i> , 2012, 26, 4337-4347.	0.5	25
40	Maternal corticosterone exposure in the mouse programs sex-specific renal adaptations in the renin-angiotensin-aldosterone system in 6-month offspring. <i>Physiological Reports</i> , 2016, 4, e12754.	1.7	25
41	Sex-Specific Metabolic Outcomes in Offspring of Female Rats Born Small or Exposed to Stress During Pregnancy. <i>Endocrinology</i> , 2016, 157, 4104-4120.	2.8	25
42	Maternal exercise in rats upregulates the placental insulin-like growth factor system with diet- and sex-specific responses: minimal effects in mothers born growth restricted. <i>Journal of Physiology</i> , 2018, 596, 5947-5964.	2.9	25
43	Advanced Glycation End Products (AGEs) and Chronic Kidney Disease: Does the Modern Diet AGE the Kidney?. <i>Nutrients</i> , 2022, 14, 2675.	4.1	25
44	Cross-fostering and improved lactation ameliorates deficits in endocrine pancreatic morphology in growth-restricted adult male rat offspring. <i>Journal of Developmental Origins of Health and Disease</i> , 2010, 1, 234-244.	1.4	24
45	Long-Term Alteration in Maternal Blood Pressure and Renal Function After Pregnancy in Normal and Growth-Restricted Rats. <i>Hypertension</i> , 2012, 60, 206-213.	2.7	24
46	Maternal adaptations and inheritance in the transgenerational programming of adult disease. <i>Cell and Tissue Research</i> , 2012, 349, 863-880.	2.9	24
47	Transgenerational programming of nephron deficits and hypertension. <i>Seminars in Cell and Developmental Biology</i> , 2020, 103, 94-103.	5.0	24
48	A decline in planned, but not spontaneous, preterm birth rates in a large Australian tertiary maternity centre during COVID-19 mitigation measures. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2022, 62, 62-70.	1.0	24
49	Renal Dysfunction Is Associated With a Reduced Contribution of Nitric Oxide and Enhanced Vasoconstriction After a Congenital Renal Mass Reduction in Sheep. <i>Circulation</i> , 2015, 131, 280-288.	1.6	23
50	Perinatal exposure to high dietary advanced glycation end products in transgenic NOD8.3 mice leads to pancreatic beta cell dysfunction. <i>Islets</i> , 2018, 10, 10-24.	1.8	23
51	Uteroplacental insufficiency reduces rat plasma leptin concentrations and alters placental leptin transporters: ameliorated with enhanced milk intake and nutrition. <i>Journal of Physiology</i> , 2017, 595, 3389-3407.	2.9	22
52	Transgenerational left ventricular hypertrophy and hypertension in offspring after uteroplacental insufficiency in male rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 884-890.	1.9	21
53	Tapping into Mitochondria to Find Novel Targets for Diabetes Complications. <i>Current Drug Targets</i> , 2016, 17, 1341-1349.	2.1	21
54	Exercise early in life in rats born small does not normalize reductions in skeletal muscle PGC-1 α in adulthood. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E1221-E1230.	3.5	20

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55	High glucose levels increase influenza-associated damage to the pulmonary epithelial-endothelial barrier. <i>ELife</i> , 2020, 9, .	6.0	20
56	Reduced renal reserve and increased cardiac output in adult female sheep uninephrectomized as fetuses. <i>Kidney International</i> , 2005, 67, 822-828.	5.2	19
57	Exercise improves metabolic function and alters the microbiome in rats with gestational diabetes. <i>FASEB Journal</i> , 2020, 34, 1728-1744.	0.5	19
58	Prenatal alcohol consumption and placental outcomes: a systematic review and meta-analysis of clinical studies. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 225, 607.e1-607.e22.	1.3	19
59	Developmental programming: Variations in early growth and adult disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013, 40, 795-802.	1.9	18
60	Maternal obesity in females born small: Pregnancy complications and offspring disease risk. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 8-17.	3.3	18
61	Maternal growth restriction and stress exposure in rats differentially alters expression of components of the placental glucocorticoid barrier and nutrient transporters. <i>Placenta</i> , 2017, 59, 30-38.	1.5	18
62	Maternal corticosterone in the mouse alters oxidative stress markers, antioxidant function and mitochondrial content in placentas of female fetuses. <i>Journal of Physiology</i> , 2019, 597, 3053-3067.	2.9	18
63	Prolonged prenatal hypoxia selectively disrupts collecting duct patterning and postnatal function in male mouse offspring. <i>Journal of Physiology</i> , 2018, 596, 5873-5889.	2.9	17
64	Exercise initiated during pregnancy in rats born growth restricted alters placental mTOR and nutrient transporter expression. <i>Journal of Physiology</i> , 2019, 597, 1905-1918.	2.9	17
65	Differential mRNA Expression and Glucocorticoid-Mediated Regulation of TRPM6 and TRPM7 in the Heart and Kidney throughout Murine Pregnancy and Development. <i>PLoS ONE</i> , 2015, 10, e0117978.	2.5	17
66	Effect of Pregnancy for Females Born Small on Later Life Metabolic Disease Risk. <i>PLoS ONE</i> , 2012, 7, e45188.	2.5	15
67	Haemodynamic characteristics of hypertension induced by prenatal cortisol exposure in sheep. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009, 36, 981-987.	1.9	14
68	Blunted Sodium Excretion in Response to a Saline Load in 5 Year Old Female Sheep Following Fetal Uninephrectomy. <i>PLoS ONE</i> , 2012, 7, e47528.	2.5	14
69	Adrenal, metabolic and cardiovascular renal dysfunction develops after pregnancy in rats born small or stressed by physiological measurements during pregnancy. <i>Journal of Physiology</i> , 2016, 594, 6055-6068.	2.9	14
70	Fetal renal and blood pressure responses to steroid infusion after early prenatal treatment with dexamethasone. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R62-R66.	1.8	13
71	Comparative aspects of fetal renal development. <i>Equine Veterinary Journal</i> , 1997, 29, 51-58.	1.7	13
72	Fetal uninephrectomy in male sheep alters the systemic and renal responses to angiotensin II infusion and AT1R blockade. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, F319-F326.	2.7	13

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73	Maternal exercise and growth restriction in rats alters placental angiogenic factors and blood space area in a sex-specific manner. <i>Placenta</i> , 2018, 74, 47-54.	1.5	12
74	Maternal hypoxia developmentally programs low podocyte endowment in male, but not female offspring. <i>Anatomical Record</i> , 2020, 303, 2668-2678.	1.4	12
75	FOETAL FLUID BALANCE AND HORMONE STATUS FOLLOWING NEPHRECTOMY IN THE FOETAL SHEEP. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1999, 26, 857-864.	1.9	11
76	Lengths of nephron tubule segments and collecting ducts in the CD-1 mouse kidney: an ontogeny study. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F976-F983.	2.7	11
77	Validation of non-invasive transcutaneous measurement for glomerular filtration rate in lean and obese C57BL / 6J mice. <i>Nephrology</i> , 2020, 25, 575-581.	1.6	11
78	Sotagliflozin, a Dual SGLT1/2 Inhibitor, Improves Cardiac Outcomes in a Normoglycemic Mouse Model of Cardiac Pressure Overload. <i>Frontiers in Physiology</i> , 2021, 12, 738594.	2.8	11
79	Angiotensin receptor blockade in juvenile male rat offspring: Implications for long-term cardio-renal health. <i>Pharmacological Research</i> , 2018, 134, 320-331.	7.1	10
80	Reducing Pup Litter Size Alters Early Postnatal Calcium Homeostasis and Programs Adverse Adult Cardiovascular and Bone Health in Male Rats. <i>Nutrients</i> , 2019, 11, 118.	4.1	10
81	EFFECT OF ARGININE VASOPRESSIN AND PARATHYROID HORMONE-RELATED PROTEIN ON RENAL FUNCTION IN THE OVINE FOETUS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1993, 20, 569-577.	1.9	9
82	Embryo transfer cannot delineate between the maternal pregnancy environment and germ line effects in the transgenerational transmission of disease in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R607-R618.	1.8	9
83	The role of T-cell immunity in COVID-19 severity amongst people living with type II diabetes. <i>FEBS Journal</i> , 2021, 288, 5042-5054.	4.7	9
84	THE EFFECT OF GRADED HAEMORRHAGE ON ERYTHROPOIETIN PRODUCTION IN THE IMMATURE OVINE FOETUS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1992, 19, 503-508.	1.9	8
85	BLOOD VOLUME MEASUREMENTS IN THE NEONATAL LAMB: VALIDATION OF A METHOD USING [51Cr]-LABELLED RED CELLS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1994, 21, 577-581.	1.9	8
86	Uteroplacental insufficiency temporally exacerbates salt-induced hypertension associated with a reduced natriuretic response in male rat offspring. <i>Journal of Physiology</i> , 2018, 596, 5859-5872.	2.9	8
87	Periconceptional ethanol exposure alters the stress axis in adult female but not male rat offspring. <i>Stress</i> , 2019, 22, 347-357.	1.8	8
88	Maternal gut microbiota displays minor changes in overweight and obese women with GDM. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 2131-2139.	2.6	8
89	Pregnant growth restricted female rats have bone gains during late gestation which contributes to second generation adolescent and adult offspring having normal bone health. <i>Bone</i> , 2015, 74, 199-207.	2.9	7
90	CHANGES IN BLOOD AND RED CELL VOLUME IN THE NEONATAL LAMB AND THE EFFECT OF INSULIN-LIKE GROWTH FACTOR I. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1996, 23, 134-139.	1.9	6

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91	Modeling heart failure risk in diabetes and kidney disease: limitations and potential applications of transverse aortic constriction in high-fat-fed mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R858-R869.	1.8	6
92	Moderate prenatal ethanol exposure in the rat promotes kidney cell apoptosis, nephron deficits, and sex-specific kidney dysfunction in adult offspring. <i>Anatomical Record</i> , 2020, 303, 2632-2645.	1.4	6
93	Genetic characterization of early renal changes in a novel mouse model of diabetic kidney disease. <i>Kidney International</i> , 2019, 96, 918-926.	5.2	5
94	Advanced glycation end products as predictors of renal function in youth with type 1 diabetes. <i>Scientific Reports</i> , 2021, 11, 9422.	3.3	4
95	Adherence to Dietary and Physical Activity Guidelines in Australian Undergraduate Biomedical Students and Associations with Body Composition and Metabolic Health: A Cross-Sectional Study. <i>Nutrients</i> , 2021, 13, 3500.	4.1	4
96	Maternal exercise alters rat fetoplacental stress response: Minimal effects of maternal growth restriction and high-fat feeding. <i>Placenta</i> , 2021, 104, 57-70.	1.5	3
97	Alterations to Placental Glucocorticoid Receptor Expression with Alcohol Consumption. <i>Reproductive Sciences</i> , 2021, 28, 1390-1402.	2.5	3
98	A meta-analysis on the role of pre-existing chronic disease in the cardiac complications of SARS-CoV-2 infection. <i>IScience</i> , 2021, 24, 102264.	4.1	3
99	Type I Diabetes Mellitus Increases the Cardiovascular Complications of Influenza Virus Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 714440.	3.9	3
100	Exercise alters cardiovascular and renal pregnancy adaptations in female rats born small on a high-fat diet. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R404-R416.	1.8	2
101	The Developmental Origins of Renal Dysfunction. , 2016, , 291-314.		0
102	Dietary AGEs in the Development and Progression of Chronic Kidney Disease. , 2017, , 213-224.		0
103	2225-PUB: Direct Actions of the Dual SGLT1/2 Inhibitor Sotagliflozin on Functional Recovery following Global Ischemia in Diabetic and Healthy Mouse Hearts. <i>Diabetes</i> , 2020, 69, 2225-PUB.	0.6	0