

Linda A Gallo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104
papers

2,996
citations

29
h-index

51
g-index

107
ext. papers

3,515
ext. citations

4.4
avg, IF

5.44
L-index

#	Paper	IF	Citations
104	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	3.2	1
103	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	6.1	3
102	Advanced glycation end products as predictors of renal function in youth with type 1 diabetes. <i>Scientific Reports</i> , 2021 , 11, 9422	4.9	1
101	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	6.4	1
100	Maternal gut microbiota displays minor changes in overweight and obese women with GDM. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 2131-2139	4.5	3
99	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> , 2021 ,	1.7	4
98	Maternal exercise alters rat fetoplacental stress response: Minimal effects of maternal growth restriction and high-fat feeding. <i>Placenta</i> , 2021 , 104, 57-70	3.4	1
97	Alterations to Placental Glucocorticoid Receptor Expression with Alcohol Consumption. <i>Reproductive Sciences</i> , 2021 , 28, 1390-1402	3	1
96	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	5.7	1
95	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	4.6	2
94	Type I Diabetes Mellitus Increases the Cardiovascular Complications of Influenza Virus Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 714440	5.9	0
93	Glycemic Variability in Diabetes Increases the Severity of Influenza. <i>MBio</i> , 2020 , 11,	7.8	24
92	Validation of non-invasive transcutaneous measurement for glomerular filtration rate in lean and obese C57BL/6J mice. <i>Nephrology</i> , 2020 , 25, 575-581	2.2	5
91	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,	6.7	112
90	Maternal hypoxia developmentally programs low podocyte endowment in male, but not female offspring. <i>Anatomical Record</i> , 2020 , 303, 2668-2678	2.1	8
89	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	2.1	4
88	High glucose levels increase influenza-associated damage to the pulmonary epithelial-endothelial barrier. <i>ELife</i> , 2020 , 9,	8.9	11

87	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	0.9	
86	Exercise improves metabolic function and alters the microbiome in rats with gestational diabetes. <i>FASEB Journal</i> , 2020 , 34, 1728-1744	0.9	9
85	Transgenerational programming of nephron deficits and hypertension. <i>Seminars in Cell and Developmental Biology</i> , 2020 , 103, 94-103	7.5	14
84	Genetic characterization of early renal changes in a novel mouse model of diabetic kidney disease. <i>Kidney International</i> , 2019 , 96, 918-926	9.9	1
83	Periconceptional alcohol exposure causes female-specific perturbations to trophoblast differentiation and placental formation in the rat. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	15
82	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	3.9	10
81	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,	6.7	6
80	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	3.9	10
79	Periconceptional ethanol exposure alters the stress axis in adult female but not male rat offspring. <i>Stress</i> , 2019 , 22, 347-357	3	6
78	Prolonged prenatal hypoxia selectively disrupts collecting duct patterning and postnatal function in male mouse offspring. <i>Journal of Physiology</i> , 2018 , 596, 5873-5889	3.9	13
77	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	3.9	7
76	Mitochondrial Dysfunction and Signaling in Diabetic Kidney Disease: Oxidative Stress and Beyond. <i>Seminars in Nephrology</i> , 2018 , 38, 101-110	4.8	29
75	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	3.9	16
74	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	3.2	5
73	Angiotensin receptor blockade in juvenile male rat offspring: Implications for long-term cardio-renal health. <i>Pharmacological Research</i> , 2018 , 134, 320-331	10.2	3
72	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	2	11
71	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	3.4	11
70	Dexamethasone and sex regulate placental glucocorticoid receptor isoforms in mice. <i>Journal of Endocrinology</i> , 2017 , 234, 89-100	4.7	25

- 69 Uteroplacental insufficiency reduces rat plasma leptin concentrations and alters placental leptin transporters: ameliorated with enhanced milk intake and nutrition. *Journal of Physiology*, **2017**, 595, 3389-3407^{3.9} 18
- 68 Review: Placental transport and metabolism of energy substrates in maternal obesity and diabetes. *Placenta*, **2017**, 54, 59-67 3.4 40
- 67 Review: Placental mitochondrial function and structure in gestational disorders. *Placenta*, **2017**, 54, 2-9 3.4 108
- 66 Maternal growth restriction and stress exposure in rats differentially alters expression of components of the placental glucocorticoid barrier and nutrient transporters. *Placenta*, **2017**, 59, 30-38 3.4 10
- 65 Placental O-GlcNAc-transferase expression and interactions with the glucocorticoid receptor are sex specific and regulated by maternal corticosterone exposure in mice. *Scientific Reports*, **2017**, 7, 20174-9 3.9 35
- 64 Targeted mitochondrial therapy using MitoQ shows equivalent renoprotection to angiotensin converting enzyme inhibition but no combined synergy in diabetes. *Scientific Reports*, **2017**, 7, 15190 4.9 28
- 63 Influenza Virus and Glycemic Variability in Diabetes: A Killer Combination?. *Frontiers in Microbiology*, **2017**, 8, 861 5.7 72
- 62 Dietary AGEs in the Development and Progression of Chronic Kidney Disease **2017**, 213-224
- 61 Once daily administration of the SGLT2 inhibitor, empagliflozin, attenuates markers of renal fibrosis without improving albuminuria in diabetic db/db mice. *Scientific Reports*, **2016**, 6, 26428 4.9 86
- 60 Sex-Specific Metabolic Outcomes in Offspring of Female Rats Born Small or Exposed to Stress During Pregnancy. *Endocrinology*, **2016**, 157, 4104-4120 4.8 22
- 59 Lengths of nephron tubule segments and collecting ducts in the CD-1 mouse kidney: an ontogeny study. *American Journal of Physiology - Renal Physiology*, **2016**, 311, F976-F983 4.3 8
- 58 Maternal obesity in females born small: Pregnancy complications and offspring disease risk. *Molecular Nutrition and Food Research*, **2016**, 60, 8-17 5.9 14
- 57 Late gestational hypoxia and a postnatal high salt diet programs endothelial dysfunction and arterial stiffness in adult mouse offspring. *Journal of Physiology*, **2016**, 594, 1451-63 3.9 23
- 56 Deficiency in Apoptosis-Inducing Factor Recapitulates Chronic Kidney Disease via Aberrant Mitochondrial Homeostasis. *Diabetes*, **2016**, 65, 1085-98 0.9 34
- 55 Tapping into Mitochondria to Find Novel Targets for Diabetes Complications. *Current Drug Targets*, **2016**, 17, 1341-9 3 15
- 54 The Developmental Origins of Renal Dysfunction **2016**, 291-314
- 53 Programming of maternal and offspring disease: impact of growth restriction, fetal sex and transmission across generations. *Journal of Physiology*, **2016**, 594, 4727-40 3.9 87
- 52 Adrenal, metabolic and cardio-renal dysfunction develops after pregnancy in rats born small or stressed by physiological measurements during pregnancy. *Journal of Physiology*, **2016**, 594, 6055-6068 3.9 13

51	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	2.6	22
50	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, 2690-701	0.9	46
49	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, F1065-73	4.3	26
48	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	4.7	5
47	Probing SGLT2 as a therapeutic target for diabetes: basic physiology and consequences. <i>Diabetes and Vascular Disease Research</i> , 2015 , 12, 78-89	3.3	214
46	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, 280-8	16.7	19
45	Renal developmental defects resulting from in utero hypoxia are associated with suppression of ureteric Eatenin signaling. <i>Kidney International</i> , 2015 , 87, 975-83	9.9	30
44	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	3.7	13
43	Adverse prenatal environment and kidney development: implications for programming of adult disease. <i>Reproduction</i> , 2014 , 147, R189-98	3.8	29
42	Deletion of bone-marrow-derived receptor for AGEs (RAGE) improves renal function in an experimental mouse model of diabetes. <i>Diabetologia</i> , 2014 , 57, 1977-85	10.3	21
41	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, R607-18	3.2	8
40	Transgenerational programming of fetal nephron deficits and sex-specific adult hypertension in rats. <i>Reproduction, Fertility and Development</i> , 2014 , 26, 1032-43	1.8	31
39	Compensatory responses to nephron deficiency: adaptive or maladaptive?. <i>Nephrology</i> , 2014 , 19, 119-282.2		33
38	Transgenerational left ventricular hypertrophy and hypertension in offspring after uteroplacental insufficiency in male rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014 , 41, 884-90	3	19
37	Transgenerational metabolic outcomes associated with uteroplacental insufficiency. <i>Journal of Endocrinology</i> , 2013 , 217, 105-18	4.7	27
36	Developmental programming: variations in early growth and adult disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013 , 40, 795-802	3	14
35	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	3.7	29
34	Maternal adaptations and inheritance in the transgenerational programming of adult disease. <i>Cell and Tissue Research</i> , 2012 , 349, 863-80	4.2	20

33	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, 617-30	3.9	45
32	Short- and long-term effects of exposure to natural and synthetic glucocorticoids during development. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012 , 39, 979-89	3	65
31	Effect of pregnancy for females born small on later life metabolic disease risk. <i>PLoS ONE</i> , 2012 , 7, e45188	3.7	15
30	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	3.7	10
29	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, E1221-30	6	18
28	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, R1101-10	3.2	39
27	Pregnancy in aged rats that were born small: cardiorenal and metabolic adaptations and second-generation fetal growth. <i>FASEB Journal</i> , 2012 , 26, 4337-47	0.9	22
26	Long-term alteration in maternal blood pressure and renal function after pregnancy in normal and growth-restricted rats. <i>Hypertension</i> , 2012 , 60, 206-13	8.5	22
25	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, E931-40	6	42
24	A design-based method for estimating glomerular number in the developing kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, F1448-53	4.3	36
23	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, F319-26	4.3	12
22	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, R500-9	3.2	53
21	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, 234-44	2.4	23
20	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, F1-9	4.3	75
19	Uteroplacental insufficiency causes a nephron deficit, modest renal insufficiency but no hypertension with ageing in female rats. <i>Journal of Physiology</i> , 2009 , 587, 2635-46	3.9	117
18	Haemodynamic characteristics of hypertension induced by prenatal cortisol exposure in sheep. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 981-7	3	14
17	Growth restriction before or after birth reduces nephron number and increases blood pressure in male rats. <i>Kidney International</i> , 2008 , 74, 187-95	9.9	138
16	Prenatal corticosterone exposure results in altered AT1/AT2, nephron deficit and hypertension in the rat offspring. <i>Journal of Physiology</i> , 2007 , 579, 503-13	3.9	107

15	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, 1688-96	12.7	183
14	Reduced renal reserve and increased cardiac output in adult female sheep uninephrectomized as fetuses. <i>Kidney International</i> , 2005 , 67, 822-8	9.9	17
13	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, R62-6	3.2	11
12	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, R1620-7	3.2	62
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	12.7	93
10	Foetal fluid balance and hormone status following nephrectomy in the foetal sheep. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1999 , 26, 857-64	3	11
9	Functional development of the meso- and metanephros. <i>Pediatric Nephrology</i> , 1999 , 13, 171-8	3.2	115
8	Comparative aspects of fetal renal development. <i>Equine Veterinary Journal</i> , 1997 , 29, 51-8	2.4	7
7	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, 134-9	3	6
6	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, 577-81	3	6
5	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, 569-77	3	8
4	The effect of graded haemorrhage on erythropoietin production in the immature ovine foetus. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1992 , 19, 503-8	3	7
3	Dietary Ages and their Role in Health and Disease		9
2	The impact of isolation measures due to COVID-19 on energy intake and physical activity levels in Australian university students		11
1	Preterm birth rates in a large tertiary Australian maternity centre during COVID-19 mitigation measures		2