

# James L Graham

## List of Publications by Year in descending order

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81  
papers

4,030  
citations

147566

31  
h-index

118652

62  
g-index

81  
all docs

81  
docs citations

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times ranked

5474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac NF- $\kappa$ B Acetylation Increases While Nrf2-Related Gene Expression and Mitochondrial Activity Are Impaired during the Progression of Diabetes in UCD-T2DM Rats. <i>Antioxidants</i> , 2022, 11, 927.	2.2	4
2	Chronic hindbrain administration of oxytocin elicits weight loss in male diet-induced obese mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R471-R487.	0.9	10
3	Sympathetic innervation of interscapular brown adipose tissue is not required for hindbrain administration of oxytocin to stimulate brown adipose tissue (BAT) thermogenesis and elicit weight loss in DIO mice. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
4	Sympathetic innervation of interscapular brown adipose tissue is not required for hindbrain administration of oxytocin to stimulate brown adipose tissue (BAT) thermogenesis and reduce weight gain and adiposity in DIO rats. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
5	Moderate Intensity Exercise Causes a Shift in the Relative Importance of the Endothelium-Dependent Relaxing Factors in Mesenteric Arteries of Male UC Davis Type-2 Diabetes Mellitus (UCD-T2DM) Rats. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
6	Potential of Acetylcholine-Induced Relaxation of Aorta in Male UC Davis Type 2 Diabetes Mellitus (UCD-T2DM) Rats: Sex-Specific Responses. <i>Frontiers in Physiology</i> , 2021, 12, 616317.	1.3	12
7	Hyperpolarized NMR study of the impact of pyruvate dehydrogenase kinase inhibition on the pyruvate dehydrogenase and TCA flux in type 2 diabetic rat muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 1761-1773.	1.3	2
8	Effects of Combined Oxytocin and Beta-3 Receptor Agonist (CL 316243) Treatment on Body Weight and Adiposity in Male Diet-Induced Obese Rats. <i>Frontiers in Physiology</i> , 2021, 12, 725912.	1.3	10
9	Hindbrain Administration of Oxytocin Reduces Food Intake, Weight Gain and Activates Catecholamine Neurons in the Hindbrain Nucleus of the Solitary Tract in Rats. <i>Journal of Clinical Medicine</i> , 2021, 10, 5078.	1.0	6
10	A multicenter analytical performance evaluation of a multiplexed immunoarray for the simultaneous measurement of biomarkers of micronutrient deficiency, inflammation and malarial antigenemia. <i>PLoS ONE</i> , 2021, 16, e0259509.	1.1	3
11	Progression of diabetes is associated with changes in the ileal transcriptome and ileal colon morphology in the UC Davis Type 2 Diabetes Mellitus rat. <i>Physiological Reports</i> , 2021, 9, e15102.	0.7	9
12	Novel idebenone analogs block Shc <sup>TM</sup> s access to insulin receptor to improve insulin sensitivity. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110823.	2.5	3
13	Moringa Isothiocyanate-rich Seed Extract Delays the Onset of Diabetes in UC Davis Type-2 Diabetes Mellitus Rats. <i>Scientific Reports</i> , 2020, 10, 8861.	1.6	8
14	Xenometabolite signatures in the UC Davis type 2 diabetes mellitus rat model revealed using a metabolomics platform enriched with microbe-derived metabolites. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, G157-G169.	1.6	13
15	Role of angiotensin-like protein 3 in sugar-induced dyslipidemia in rhesus macaques: suppression by fish oil or RNAi. <i>Journal of Lipid Research</i> , 2020, 61, 376-386.	2.0	13
16	Mesenteric arterial dysfunction in the UC Davis Type 2 Diabetes Mellitus rat model is dependent on pre-diabetic versus diabetic status and is sexually dimorphic. <i>European Journal of Pharmacology</i> , 2020, 879, 173089.	1.7	6
17	Evaluation of Orally Administered Atorvastatin on Plasma Lipid and Biochemistry Profiles in Hypercholesterolemic Hispaniolan Amazon Parrots ( <i>Amazona ventralis</i> ). , 2020, 34, 32.		5
18	Exaggerated cardiovascular responses to muscle contraction and tendon stretch in UCD type-2 diabetes mellitus rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H479-H486.	1.5	21

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19	Ileal interposition surgery targets the hepatic TGF $\beta$ <sup>2</sup> pathway, influencing gluconeogenesis and mitochondrial bioenergetics in the UCD $\rightarrow$ T2DM rat model of diabetes. <i>FASEB Journal</i> , 2019, 33, 11270-11283.	0.2	2
20	Acute suppression of insulin resistance-associated hepatic miR-29 in vivo improves glycemic control in adult mice. <i>Physiological Genomics</i> , 2019, 51, 379-389.	1.0	33
21	Fructose-induced hypertriglyceridemia in rhesus macaques is attenuated with fish oil or ApoC3 RNA interference. <i>Journal of Lipid Research</i> , 2019, 60, 805-818.	2.0	19
22	Low plasma adropin concentrations increase risks of weight gain and metabolic dysregulation in response to a high-sugar diet in male nonhuman primates. <i>Journal of Biological Chemistry</i> , 2019, 294, 9706-9719.	1.6	45
23	Effects of Estrogen Replacement on ACh $\rightarrow$ Induced Relaxation in Mesenteric Arteries of Prediabetic Ovariectomized Rats. <i>FASEB Journal</i> , 2019, 33, 512.11.	0.2	0
24	Contributions of Material Properties and Structure to Increased Bone Fragility for a Given Bone Mass in the UCD-T2DM Rat Model of Type 2 Diabetes. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1066-1075.	3.1	57
25	Adipose depot-specific effects of ileal interposition surgery in UCD-T2D rats: unexpected implications for obesity and diabetes. <i>Biochemical Journal</i> , 2018, 475, 649-662.	1.7	8
26	Diabetes-associated alterations in the cecal microbiome and metabolome are independent of diet or environment in the UC Davis Type 2 Diabetes Mellitus Rat model. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E961-E972.	1.8	18
27	Intranasal oxytocin reduces weight gain in diet-induced obese prairie voles. <i>Physiology and Behavior</i> , 2018, 196, 67-77.	1.0	16
28	The Aortic function of Male UC Davis Type 2 Diabetes Mellitus (UCD-T2DM) Rats: Possible Involvement of Intermediate Conductance Potassium Channels (IKca). <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, OR9-1.	0.0	0
29	Impaired Mesenteric Arterial Function of Male UC Davis Type 2 Diabetes Mellitus (UCD $\rightarrow$ T2DM) Rats: Possible Involvement of Small Conductance Calcium $\rightarrow$ activated Potassium Channels (SKca). <i>FASEB Journal</i> , 2018, 32, 569.2.	0.2	0
30	Type 2 Diabetic Rats Develop Exercise Pressor Reflex Dysfunction Over Time: New Insight Into Aging With Diabetes. <i>FASEB Journal</i> , 2018, 32, 725.10.	0.2	0
31	The Development and Progression of Mechanical Allodynia in UC, Davis Type 2 Diabetic Rats. <i>FASEB Journal</i> , 2018, 32, lb474.	0.2	0
32	The Aortic Function of Female UC Davis Type 2 Diabetes Mellitus (UCD $\rightarrow$ T2DM) Rats. <i>FASEB Journal</i> , 2018, 32, 569.1.	0.2	0
33	Podocyte $\rightarrow$ specific soluble epoxide hydrolase deficiency in mice attenuates acute kidney injury. <i>FEBS Journal</i> , 2017, 284, 1970-1986.	2.2	23
34	Chronic hindbrain administration of oxytocin is sufficient to elicit weight loss in diet-induced obese rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 313, R357-R371.	0.9	47
35	Transgenic mice with ectopic expression of constitutively active TLR4 in adipose tissues do not show impaired insulin sensitivity. <i>Immunity, Inflammation and Disease</i> , 2017, 5, 526-540.	1.3	1
36	Protein tyrosine phosphatase Shp2 deficiency in podocytes attenuates lipopolysaccharide-induced proteinuria. <i>Scientific Reports</i> , 2017, 7, 461.	1.6	24

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37	Perinatal triphenyl phosphate exposure accelerates type 2 diabetes onset and increases adipose accumulation in UCD-type 2 diabetes mellitus rats. <i>Reproductive Toxicology</i> , 2017, 68, 119-129.	1.3	45
38	Host diabetes status is the major regulator of gut microbiome in the UCD-T2DM Rat. <i>FASEB Journal</i> , 2017, 31, .	0.2	0
39	INTRAPERITONEAL DEXTROSE ADMINISTRATION AS AN ALTERNATIVE EMERGENCY TREATMENT FOR HYPOGLYCEMIC YEARLING CALIFORNIA SEA LIONS ( <i>ZALOPHUS CALIFORNIANUS</i> ). <i>Journal of Zoo and Wildlife Medicine</i> , 2016, 47, 76-82.	0.3	5
40	Plasma amino acid and metabolite signatures tracking diabetes progression in the UCD-T2DM rat model. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E958-E969.	1.8	24
41	Chronic CNS oxytocin signaling preferentially induces fat loss in high-fat diet-fed rats by enhancing satiety responses and increasing lipid utilization. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R640-R658.	0.9	82
42	EFFECTS OF EXERCISE ON THE PLASMA LIPID PROFILE IN HISPANIOLAN AMAZON PARROTS ( <i>AMAZONA</i> ). <i>Tj ETQq0 0 0 rgBT /Overlock Medicine</i> , 2016, 47, 760-769.	0.3	13
43	Chronic oxytocin administration inhibits food intake, increases energy expenditure, and produces weight loss in fructose-fed obese rhesus monkeys. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R431-R438.	0.9	141
44	Alterations in intervertebral disc composition, matrix homeostasis and biomechanical behavior in the UCD-T2DM rat model of type 2 diabetes. <i>Journal of Orthopaedic Research</i> , 2015, 33, 738-746.	1.2	85
45	Effect of DDT exposure on lipids and energy balance in obese Sprague-Dawley rats before and after weight loss. <i>Toxicology Reports</i> , 2015, 2, 990-995.	1.6	10
46	Influence of dietary protein level on body composition and energy expenditure in calorically restricted overweight cats. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2015, 99, 474-482.	1.0	10
47	Early Effects of Neutering on Energy Expenditure in Adult Male Cats. <i>PLoS ONE</i> , 2014, 9, e89557.	1.1	19
48	Administration of pioglitazone alone or with alogliptin delays diabetes onset in UCD-T2DM rats. <i>Journal of Endocrinology</i> , 2014, 221, 133-144.	1.2	12
49	Fish Oil Supplementation Ameliorates Fructose-Induced Hypertriglyceridemia and Insulin Resistance in Adult Male Rhesus Macaques. <i>Journal of Nutrition</i> , 2014, 144, 5-11.	1.3	47
50	Deterioration of plasticity and metabolic homeostasis in the brain of the UCD-T2DM rat model of naturally occurring type-2 diabetes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1313-1323.	1.8	39
51	Bile-acid-mediated decrease in endoplasmic reticulum stress: a potential contributor to the metabolic benefits of ileal interposition surgery in UCD-T2DM rats. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 443-56.	1.2	50
52	Loss of coupling between calcium influx, energy consumption and insulin secretion associated with development of hyperglycaemia in the UCD-T2DM rat model of type 2 diabetes. <i>Diabetologia</i> , 2013, 56, 803-813.	2.9	17
53	Maternal Ileal Interposition Surgery Confers Metabolic Improvements to Offspring Independent of Effects on Maternal Body Weight in UCD-T2DM Rats. <i>Obesity Surgery</i> , 2013, 23, 2042-2049.	1.1	7
54	Protein Tyrosine Phosphatase 1B Regulates Pyruvate Kinase M2 Tyrosine Phosphorylation. <i>Journal of Biological Chemistry</i> , 2013, 288, 17360-17371.	1.6	46

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55	Pharmacological inhibition of soluble epoxide hydrolase provides cardioprotection in hyperglycemic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H853-H862.	1.5	23
56	Consumption of fructose-sweetened beverages for 10 weeks reduces net fat oxidation and energy expenditure in overweight/obese men and women. <i>European Journal of Clinical Nutrition</i> , 2012, 66, 201-208.	1.3	112
57	Vertical Sleeve Gastrectomy Improves Glucose and Lipid Metabolism and Delays Diabetes Onset in UCD-T2DM Rats. <i>Endocrinology</i> , 2012, 153, 3620-3632.	1.4	69
58	Hepatic Src Homology Phosphatase 2 Regulates Energy Balance in Mice. <i>Endocrinology</i> , 2012, 153, 3158-3169.	1.4	47
59	Glucose sensing by gut endocrine cells and activation of the vagal afferent pathway is impaired in a rodent model of type 2 diabetes mellitus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R657-R666.	0.9	69
60	Consumption of fructose- but not glucose-sweetened beverages for 10 weeks increases circulating concentrations of uric acid, retinol binding protein-4, and gamma-glutamyl transferase activity in overweight/obese humans. <i>Nutrition and Metabolism</i> , 2012, 9, 68.	1.3	117
61	Does Diabetes Cause the Intervertebral Disc to Degenerate?. <i>Spine Journal</i> , 2012, 12, S74-S75.	0.6	2
62	Subcutaneous administration of leptin normalizes fasting plasma glucose in obese type 2 diabetic UCD-T2DM rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14670-14675.	3.3	75
63	Fructose-Fed Rhesus Monkeys: A Nonhuman Primate Model of Insulin Resistance, Metabolic Syndrome, and Type 2 Diabetes. <i>Clinical and Translational Science</i> , 2011, 4, 243-252.	1.5	119
64	Circulating Concentrations of Monocyte Chemoattractant Protein-1, Plasminogen Activator Inhibitor-1, and Soluble Leukocyte Adhesion Molecule-1 in Overweight/Obese Men and Women Consuming Fructose- or Glucose-Sweetened Beverages for 10 Weeks. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E2034-E2038.	1.8	59
65	Ablation of a galectin preferentially expressed in adipocytes increases lipolysis, reduces adiposity, and improves insulin sensitivity in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18696-18701.	3.3	73
66	Altering Pyrroloquinoline Quinone Nutritional Status Modulates Mitochondrial, Lipid, and Energy Metabolism in Rats. <i>PLoS ONE</i> , 2011, 6, e21779.	1.1	67
67	Relationships between breakfast consumption, insulin resistance, and BMI in adult men and women. <i>FASEB Journal</i> , 2011, 25, lb267.	0.2	0
68	Chronic Administration of the Glucagon-Like Peptide-1 Analog, Liraglutide, Delays the Onset of Diabetes and Lowers Triglycerides in UCD-T2DM Rats. <i>Diabetes</i> , 2010, 59, 2653-2661.	0.3	63
69	Dietary fructose accelerates the development of diabetes in UCD-T2DM rats: amelioration by the antioxidant, l-ipoic acid. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1343-R1350.	0.9	44
70	Supplementation with EPA or fish oil for 11 months lowers circulating lipids, but does not delay the onset of diabetes in UC Davis-type 2 diabetes mellitus rats. <i>British Journal of Nutrition</i> , 2010, 104, 1628-1634.	1.2	8
71	Ileal Interposition Surgery Improves Glucose and Lipid Metabolism and Delays Diabetes Onset in the UCD-T2DM Rat. <i>Gastroenterology</i> , 2010, 138, 2437-2446.e1.	0.6	100
72	Inhibition of Protein Tyrosine Phosphatase-1B with Antisense Oligonucleotides Improves Insulin Sensitivity and Increases Adiponectin Concentrations in Monkeys. <i>Endocrinology</i> , 2009, 150, 1670-1679.	1.4	60

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73	Maternal influence of prolyl endopeptidase on fat mass of adult progeny. International Journal of Obesity, 2009, 33, 1013-1022.	1.6	14
74	Consuming fructose-sweetened, not glucose-sweetened, beverages increases visceral adiposity and lipids and decreases insulin sensitivity in overweight/obese humans. Journal of Clinical Investigation, 2009, 119, 1322-1334.	3.9	1,394
75	Development and characterization of a novel rat model of type 2 diabetes mellitus: the UC Davis type 2 diabetes mellitus UCD-T2DM rat. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1782-R1793.	0.9	88
76	Synergistic Impairment of Glucose Homeostasis in ob/ob Mice Lacking Functional Serotonin 2C Receptors. Endocrinology, 2008, 149, 955-961.	1.4	50
77	Consumption of fructose-sweetened beverages for 10 weeks increases postprandial triacylglycerol and apolipoprotein-B concentrations in overweight and obese women. British Journal of Nutrition, 2008, 100, 947-952.	1.2	112
78	Fructose Consumption and Moderate Zinc Deficiency Influence Growth and Adipocyte Metabolism in Young Rats Prone to Adult-Onset Obesity. Biological Trace Element Research, 2007, 118, 53-64.	1.9	2
79	Administration of Lispro Insulin with Meals Improves Glycemic Control, Increases Circulating Leptin, and Suppresses Ghrelin, Compared with Regular/NPH Insulin in Female Patients with Type 1 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 485-491.	1.8	33
80	Effects of Hypothalamic Neurodegeneration on Energy Balance. PLoS Biology, 2005, 3, e415.	2.6	159
81	17 $\beta$ -Estradiol Treatment Improves Acetylcholine-Induced Relaxation of Mesenteric Arteries in Ovariectomized UC Davis Type 2 Diabetes Mellitus Rats in Prediabetic State. Frontiers in Physiology, 0, 13, .	1.3	1