

# James L Graham

## List of Publications by Citations

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75  
papers

3,148  
citations

28  
h-index

55  
g-index

81  
ext. papers

3,667  
ext. citations

4.2  
avg, IF

4.42  
L-index

#	Paper	IF	Citations
75	Consuming fructose-sweetened, not glucose-sweetened, beverages increases visceral adiposity and lipids and decreases insulin sensitivity in overweight/obese humans. <i>Journal of Clinical Investigation</i> , <b>2009</b> , 119, 1322-34	15.9	1121
74	Effects of hypothalamic neurodegeneration on energy balance. <i>PLoS Biology</i> , <b>2005</b> , 3, e415	9.7	138
73	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> , <b>2015</b> , 308, R431-8	3.2	110
72	Fructose-fed rhesus monkeys: a nonhuman primate model of insulin resistance, metabolic syndrome, and type 2 diabetes. <i>Clinical and Translational Science</i> , <b>2011</b> , 4, 243-52	4.9	103
71	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> , <b>2012</b> , 9, 68	4.6	101
70	Consumption of fructose-sweetened beverages for 10 weeks increases postprandial triacylglycerol and apolipoprotein-B concentrations in overweight and obese women. <i>British Journal of Nutrition</i> , <b>2008</b> , 100, 947-52	3.6	93
69	Ileal interposition surgery improves glucose and lipid metabolism and delays diabetes onset in the UCD-T2DM rat. <i>Gastroenterology</i> , <b>2010</b> , 138, 2437-46, 2446.e1	13.3	85
68	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> , <b>2012</b> , 66, 201-8	5.2	84
67	Development and characterization of a novel rat model of type 2 diabetes mellitus: the UC Davis type 2 diabetes mellitus UCD-T2DM rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2008</b> , 295, R1782-93	3.2	72
66	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> , <b>2011</b> , 108, 14670-5	11.5	64
65	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> , <b>2012</b> , 302, R657-66	3.2	62
64	Vertical sleeve gastrectomy improves glucose and lipid metabolism and delays diabetes onset in UCD-T2DM rats. <i>Endocrinology</i> , <b>2012</b> , 153, 3620-32	4.8	62
63	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> , <b>2016</b> , 310, R640-58	3.2	62
62	Altering pyrroloquinoline quinone nutritional status modulates mitochondrial, lipid, and energy metabolism in rats. <i>PLoS ONE</i> , <b>2011</b> , 6, e21779	3.7	56
61	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> , <b>2015</b> , 33, 738-46	3.8	54
60	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> , <b>2010</b> , 59, 2653-61	0.9	53
59	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> , <b>2011</b> , 108, 18696-701	11.5	52

58	Inhibition of protein tyrosine phosphatase-1B with antisense oligonucleotides improves insulin sensitivity and increases adiponectin concentrations in monkeys. <i>Endocrinology</i> , <b>2009</b> , 150, 1670-9	4.8	50
57	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> , <b>2013</b> , 6, 443-56	4.1	47
56	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> , <b>2011</b> , 96, E2034-8	5.6	46
55	Synergistic impairment of glucose homeostasis in ob/ob mice lacking functional serotonin 2C receptors. <i>Endocrinology</i> , <b>2008</b> , 149, 955-61	4.8	45
54	Fish oil supplementation ameliorates fructose-induced hypertriglyceridemia and insulin resistance in adult male rhesus macaques. <i>Journal of Nutrition</i> , <b>2014</b> , 144, 5-11	4.1	44
53	Protein tyrosine phosphatase 1B regulates pyruvate kinase M2 tyrosine phosphorylation. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 17360-71	5.4	41
52	Dietary fructose accelerates the development of diabetes in UCD-T2DM rats: amelioration by the antioxidant, alpha-lipoic acid. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2010</b> , 298, R1343-50	3.2	37
51	Hepatic Src homology phosphatase 2 regulates energy balance in mice. <i>Endocrinology</i> , <b>2012</b> , 153, 3158-69	4.8	35
50	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> , <b>2017</b> , 313, R3572-R3713	3.3	34
49	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> , <b>2014</b> , 1842, 1313-23	6.9	32
48	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> , <b>2018</b> , 33, 1066-1075	6.3	30
47	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. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2006</b> , 91, 485-91	5.6	28
46	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> , <b>2019</b> , 294, 9706-9719	5.4	23
45	Perinatal triphenyl phosphate exposure accelerates type 2 diabetes onset and increases adipose accumulation in UCD-type 2 diabetes mellitus rats. <i>Reproductive Toxicology</i> , <b>2017</b> , 68, 119-129	3.4	20
44	Pharmacological inhibition of soluble epoxide hydrolase provides cardioprotection in hyperglycemic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 303, H853-62	5.2	19
43	Plasma amino acid and metabolite signatures tracking diabetes progression in the UCD-T2DM rat model. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2016</b> , 310, E958-69	6	19
42	Acute suppression of insulin resistance-associated hepatic miR-29 in vivo improves glycemic control in adult mice. <i>Physiological Genomics</i> , <b>2019</b> , 51, 379-389	3.6	18
41	Podocyte-specific soluble epoxide hydrolase deficiency in mice attenuates acute kidney injury. <i>FEBS Journal</i> , <b>2017</b> , 284, 1970-1986	5.7	15

40	Protein tyrosine phosphatase Shp2 deficiency in podocytes attenuates lipopolysaccharide-induced proteinuria. <i>Scientific Reports</i> , <b>2017</b> , 7, 461	4.9	15
39	Fructose-induced hypertriglyceridemia in rhesus macaques is attenuated with fish oil or ApoC3 RNA interference. <i>Journal of Lipid Research</i> , <b>2019</b> , 60, 805-818	6.3	13
38	Early effects of neutering on energy expenditure in adult male cats. <i>PLoS ONE</i> , <b>2014</b> , 9, e89557	3.7	13
37	Intranasal oxytocin reduces weight gain in diet-induced obese prairie voles. <i>Physiology and Behavior</i> , <b>2018</b> , 196, 67-77	3.5	12
36	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> , <b>2019</b> , 317, H479-H486	5.2	12
35	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> , <b>2013</b> , 56, 803-13	10.3	12
34	Maternal influence of prolyl endopeptidase on fat mass of adult progeny. <i>International Journal of Obesity</i> , <b>2009</b> , 33, 1013-22	5.5	11
33	EFFECTS OF EXERCISE ON THE PLASMA LIPID PROFILE IN HISPANIOLAN AMAZON PARROTS (AMAZONA VENTRALIS) WITH NATURALLY OCCURRING HYPERCHOLESTEROLEMIA. <i>Journal of Zoo and Wildlife Medicine</i> , <b>2016</b> , 47, 760-769	0.9	10
32	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> , <b>2020</b> , 61, 376-386	6.3	9
31	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> , <b>2018</b> , 315, E961-E972	6	9
30	Effect of DDT exposure on lipids and energy balance in obese Sprague-Dawley rats before and after weight loss. <i>Toxicology Reports</i> , <b>2015</b> , 2, 990-995	4.8	8
29	Administration of pioglitazone alone or with alogliptin delays diabetes onset in UCD-T2DM rats. <i>Journal of Endocrinology</i> , <b>2014</b> , 221, 133-44	4.7	8
28	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> , <b>2010</b> , 104, 1628-34	3.6	7
27	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> , <b>2015</b> , 99, 474-82	2.6	6
26	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> , <b>2020</b> , 319, G157-G169	5.1	6
25	Adipose depot-specific effects of ileal interposition surgery in UCD-T2D rats: unexpected implications for obesity and diabetes. <i>Biochemical Journal</i> , <b>2018</b> , 475, 649-662	3.8	6
24	Maternal ileal interposition surgery confers metabolic improvements to offspring independent of effects on maternal body weight in UCD-T2DM rats. <i>Obesity Surgery</i> , <b>2013</b> , 23, 2042-9	3.7	6
23	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> , <b>2021</b> , 320, R471-R487	3.2	4

22	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> , <b>2021</b> , 12, 725912	4.6	4
21	Moringa Isothiocyanate-rich Seed Extract Delays the Onset of Diabetes in UC Davis Type-2 Diabetes Mellitus Rats. <i>Scientific Reports</i> , <b>2020</b> , 10, 8861	4.9	3
20	INTRAPERITONEAL DEXTROSE ADMINISTRATION AS AN ALTERNATIVE EMERGENCY TREATMENT FOR HYPOGLYCEMIC YEARLING CALIFORNIA SEA LIONS (ZALOPHUS CALIFORNIANUS). <i>Journal of Zoo and Wildlife Medicine</i> , <b>2016</b> , 47, 76-82	0.9	3
19	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> , <b>2021</b> , 12, 616317	4.6	3
18	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> , <b>2020</b> , 879, 173089	5.3	2
17	Does Diabetes Cause the Intervertebral Disc to Degenerate?. <i>Spine Journal</i> , <b>2012</b> , 12, S74-S75	4	2
16	Fructose consumption and moderate zinc deficiency influence growth and adipocyte metabolism in young rats prone to adult-onset obesity. <i>Biological Trace Element Research</i> , <b>2007</b> , 118, 53-64	4.5	2
15	Evaluation of Orally Administered Atorvastatin on Plasma Lipid and Biochemistry Profiles in Hypercholesterolemic Hispaniolan Amazon Parrots () <b>2020</b> , 34, 32-40		2
14	Ileal interposition surgery targets the hepatic TGF- $\beta$ pathway, influencing gluconeogenesis and mitochondrial bioenergetics in the UCD-T2DM rat model of diabetes. <i>FASEB Journal</i> , <b>2019</b> , 33, 11270-11283	9.9	1
13	Novel idebenone analogs block Shc $\beta$ access to insulin receptor to improve insulin sensitivity. <i>Biomedicine and Pharmacotherapy</i> , <b>2020</b> , 132, 110823	7.5	1
12	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> , <b>2021</b> , 473, 1761-1773	4.6	1
11	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> , <b>2022</b> , 11, 927	7.1	1
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> , <b>2021</b> , 16, e0259509	3.7	0
9	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> , <b>2021</b> , 9, e15102	2.6	0
8	Transgenic mice with ectopic expression of constitutively active TLR4 in adipose tissues do not show impaired insulin sensitivity. <i>Immunity, Inflammation and Disease</i> , <b>2017</b> , 5, 526-540	2.4	
7	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> , <b>2018</b> , WCP2018, OR9-1	0	
6	Impaired Mesenteric Arterial Function of Male UC Davis Type 2 Diabetes Mellitus (UCD-T2DM) Rats: Possible Involvement of Small Conductance Calcium-activated Potassium Channels (SKca). <i>FASEB Journal</i> , <b>2018</b> , 32, 569.2	0.9	
5	Type 2 Diabetic Rats Develop Exercise Pressor Reflex Dysfunction Over Time: New Insight Into Aging With Diabetes. <i>FASEB Journal</i> , <b>2018</b> , 32, 725.10	0.9	

- 4 The Development and Progression of Mechanical Allodynia in UC, Davis Type 2 Diabetic Rats. *FASEB Journal*, **2018**, 32, lb474 0.9
- 3 The Aortic Function of Female UC Davis Type 2 Diabetes Mellitus (UCD-T2DM) Rats. *FASEB Journal*, **2018**, 32, 569.1 0.9
- 2 Effects of Estrogen Replacement on ACh-Induced Relaxation in Mesenteric Arteries of Prediabetic Ovariectomized Rats. *FASEB Journal*, **2019**, 33, 512.11 0.9
- 1 Relationships between breakfast consumption, insulin resistance, and BMI in adult men and women. *FASEB Journal*, **2011**, 25, lb267 0.9