

James L Graham

List of Publications by Year in descending order

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81
papers

4,030
citations

147801

31
h-index

118850

62
g-index

81
all docs

81
docs citations

81
times ranked

5474
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2009, 119, 1322-1334.	8.2	1,394
2	Effects of Hypothalamic Neurodegeneration on Energy Balance. <i>PLoS Biology</i> , 2005, 3, e415.	5.6	159
3	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.	1.8	141
4	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.	3.1	119
5	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.	3.0	117
6	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> , 2008, 100, 947-952.	2.3	112
7	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.	2.9	112
8	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.	1.3	100
9	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> , 2008, 295, R1782-R1793.	1.8	88
10	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.	2.3	85
11	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.	1.8	82
12	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.	7.1	75
13	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.	7.1	73
14	Vertical Sleeve Gastrectomy Improves Glucose and Lipid Metabolism and Delays Diabetes Onset in UCD-T2DM Rats. <i>Endocrinology</i> , 2012, 153, 3620-3632.	2.8	69
15	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.	1.8	69
16	Altering Pyrroloquinoline Quinone Nutritional Status Modulates Mitochondrial, Lipid, and Energy Metabolism in Rats. <i>PLoS ONE</i> , 2011, 6, e21779.	2.5	67
17	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.	0.6	63
18	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.	2.8	60

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19	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.	3.6	59
20	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.	2.8	57
21	Synergistic Impairment of Glucose Homeostasis in ob/ob Mice Lacking Functional Serotonin 2C Receptors. <i>Endocrinology</i> , 2008, 149, 955-961.	2.8	50
22	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.	2.4	50
23	Hepatic Src Homology Phosphatase 2 Regulates Energy Balance in Mice. <i>Endocrinology</i> , 2012, 153, 3158-3169.	2.8	47
24	Fish Oil Supplementation Ameliorates Fructose-Induced Hypertriglyceridemia and Insulin Resistance in Adult Male Rhesus Macaques. <i>Journal of Nutrition</i> , 2014, 144, 5-11.	2.9	47
25	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.	1.8	47
26	Protein Tyrosine Phosphatase 1B Regulates Pyruvate Kinase M2 Tyrosine Phosphorylation. <i>Journal of Biological Chemistry</i> , 2013, 288, 17360-17371.	3.4	46
27	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.	2.9	45
28	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.	3.4	45
29	Dietary fructose accelerates the development of diabetes in UCD-T2DM rats: amelioration by the antioxidant, 1 α -lipoic acid. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1343-R1350.	1.8	44
30	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.	3.8	39
31	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> , 2006, 91, 485-491.	3.6	33
32	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.	2.3	33
33	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.	3.5	24
34	Protein tyrosine phosphatase Shp2 deficiency in podocytes attenuates lipopolysaccharide-induced proteinuria. <i>Scientific Reports</i> , 2017, 7, 461.	3.3	24
35	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.	3.2	23
36	Podocyte-specific soluble epoxide hydrolase deficiency in mice attenuates acute kidney injury. <i>FEBS Journal</i> , 2017, 284, 1970-1986.	4.7	23

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37	Exaggerated cardiovascular responses to muscle contraction and tendon stretch in UCD type-2 diabetes mellitus rats. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H479-H486.	3.2	21
38	Early Effects of Neutering on Energy Expenditure in Adult Male Cats. PLoS ONE, 2014, 9, e89557.	2.5	19
39	Fructose-induced hypertriglyceridemia in rhesus macaques is attenuated with fish oil or ApoC3 RNA interference. Journal of Lipid Research, 2019, 60, 805-818.	4.2	19
40	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. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E961-E972.	3.5	18
41	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. Diabetologia, 2013, 56, 803-813.	6.3	17
42	Intranasal oxytocin reduces weight gain in diet-induced obese prairie voles. Physiology and Behavior, 2018, 196, 67-77.	2.1	16
43	Maternal influence of prolyl endopeptidase on fat mass of adult progeny. International Journal of Obesity, 2009, 33, 1013-1022.	3.4	14
44	EFFECTS OF EXERCISE ON THE PLASMA LIPID PROFILE IN HISPANIOLAN AMAZON PARROTS (<i>AMAZONA Tj ETQq0 0 0 rgBT /Overlock Medicine, 2016, 47, 760-769.	0.6	13
45	Xenometabolite signatures in the UC Davis type 2 diabetes mellitus rat model revealed using a metabolomics platform enriched with microbe-derived metabolites. American Journal of Physiology - Renal Physiology, 2020, 319, G157-G169.	3.4	13
46	Role of angiopoietin-like protein 3 in sugar-induced dyslipidemia in rhesus macaques: suppression by fish oil or RNAi. Journal of Lipid Research, 2020, 61, 376-386.	4.2	13
47	Administration of pioglitazone alone or with alogliptin delays diabetes onset in UCD-T2DM rats. Journal of Endocrinology, 2014, 221, 133-144.	2.6	12
48	Potential of Acetylcholine-Induced Relaxation of Aorta in Male UC Davis Type 2 Diabetes Mellitus (UCD-T2DM) Rats: Sex-Specific Responses. Frontiers in Physiology, 2021, 12, 616317.	2.8	12
49	Effect of DDT exposure on lipids and energy balance in obese Sprague-Dawley rats before and after weight loss. Toxicology Reports, 2015, 2, 990-995.	3.3	10
50	Influence of dietary protein level on body composition and energy expenditure in calorically restricted overweight cats. Journal of Animal Physiology and Animal Nutrition, 2015, 99, 474-482.	2.2	10
51	Chronic hindbrain administration of oxytocin elicits weight loss in male diet-induced obese mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R471-R487.	1.8	10
52	Effects of Combined Oxytocin and Beta-3 Receptor Agonist (CL 316243) Treatment on Body Weight and Adiposity in Male Diet-Induced Obese Rats. Frontiers in Physiology, 2021, 12, 725912.	2.8	10
53	Progression of diabetes is associated with changes in the ileal transcriptome and ilealâ€œolon morphology in the UC Davis Type 2 Diabetes Mellitus rat. Physiological Reports, 2021, 9, e15102.	1.7	9
54	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. British Journal of Nutrition, 2010, 104, 1628-1634.	2.3	8

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55	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.	3.7	8
56	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.	3.3	8
57	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.	2.1	7
58	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.	3.5	6
59	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.	2.4	6
60	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.	0.6	5
61	Evaluation of Orally Administered Atorvastatin on Plasma Lipid and Biochemistry Profiles in Hypercholesterolemic Hispaniolan Amazon Parrots (<i>Amazona ventralis</i>). , 2020, 34, 32.		5
62	Cardiac NF- κ 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.	5.1	4
63	Novel idebenone analogs block Shc TM s access to insulin receptor to improve insulin sensitivity. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110823.	5.6	3
64	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.	2.5	3
65	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> , 2007, 118, 53-64.	3.5	2
66	Does Diabetes Cause the Intervertebral Disc to Degenerate?. <i>Spine Journal</i> , 2012, 12, S74-S75.	1.3	2
67	Ileal interposition surgery targets the hepatic TGF β ² pathway, influencing gluconeogenesis and mitochondrial bioenergetics in the UCD-T2DM rat model of diabetes. <i>FASEB Journal</i> , 2019, 33, 11270-11283.	0.5	2
68	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.	2.8	2
69	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.	2.7	1
70	17 β -Estradiol Treatment Improves Acetylcholine-Induced Relaxation of Mesenteric Arteries in Ovariectomized UC Davis Type 2 Diabetes Mellitus Rats in Prediabetic State. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	1
71	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, .	0.5	0
72	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, .	0.5	0

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73	Moderate Intensity Exercise Causes a Shift in the Relative Importance of the Endotheliumâ€Dependent Relaxing Factors in Mesenteric Arteries of Male UC Davis Typeâ€2 Diabetes Mellitus (UCDâ€T2DM) Rats. FASEB Journal, 2021, 35, .	0.5	0
74	Relationships between breakfast consumption, insulin resistance, and BMI in adult men and women. FASEB Journal, 2011, 25, lb267.	0.5	0
75	Host diabetes status is the major regulator of gut microbiome in the UCDâ€T2DM Rat. FASEB Journal, 2017, 31, .	0.5	0
76	The Aortic function of Male UC Davis Type 2 Diabetes Mellitus (UCD-T2DM) Rats: Possible Involvement of Intermediate Conductance Potassium Channels (IKca). Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR9-1.	0.0	0
77	Impaired Mesenteric Arterial Function of Male UC Davis Type 2 Diabetes Mellitus (UCDâ€T2DM) Rats: Possible Involvement of Small Conductance Calciumâ€activated Potassium Channels (SKca). FASEB Journal, 2018, 32, 569.2.	0.5	0
78	Type 2 Diabetic Rats Develop Exercise Pressor Reflex Dysfunction Over Time: New Insight Into Aging With Diabetes. FASEB Journal, 2018, 32, 725.10.	0.5	0
79	The Development and Progression of Mechanical Allodynia in UC, Davis Type 2 Diabetic Rats. FASEB Journal, 2018, 32, lb474.	0.5	0
80	The Aortic Function of Female UC Davis Type 2 Diabetes Mellitus (UCDâ€T2DM) Rats. FASEB Journal, 2018, 32, 569.1.	0.5	0
81	Effects of Estrogen Replacement on AChâ€Induced Relaxation in Mesenteric Arteries of Prediabetic Ovariectomized Rats. FASEB Journal, 2019, 33, 512.11.	0.5	0