

Denovan Begg

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,233
citations

218677

26
h-index

233421

45
g-index

66
all docs

66
docs citations

66
times ranked

3484
citing authors

#	ARTICLE	IF	CITATIONS
1	Green tea, black tea, and epigallocatechin modify body composition, improve glucose tolerance, and differentially alter metabolic gene expression in rats fed a high-fat diet. <i>Nutrition Research</i> , 2009, 29, 784-793.	2.9	185
2	Mice lacking angiotensin-converting enzyme have increased energy expenditure, with reduced fat mass and improved glucose clearance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6531-6536.	7.1	162
3	The endocrinology of food intake. <i>Nature Reviews Endocrinology</i> , 2013, 9, 584-597.	9.6	148
4	Regulation of gastric emptying rate and its role in nutrient-induced GLP-1 secretion in rats after vertical sleeve gastrectomy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E424-E432.	3.5	143
5	Insulin controls food intake and energy balance via NPY neurons. <i>Molecular Metabolism</i> , 2017, 6, 574-584.	6.5	111
6	Angiotensin converting enzyme inhibition lowers body weight and improves glucose tolerance in C57BL/6J mice maintained on a high fat diet. <i>Physiology and Behavior</i> , 2009, 98, 192-197.	2.1	87
7	Amygdala NPY Circuits Promote the Development of Accelerated Obesity under Chronic Stress Conditions. <i>Cell Metabolism</i> , 2019, 30, 111-128.e6.	16.2	83
8	Short-term docosapentaenoic acid (22:5n-3) supplementation increases tissue docosapentaenoic acid, DHA and EPA concentrations in rats. <i>British Journal of Nutrition</i> , 2010, 103, 32-37.	2.3	82
9	The heritability of melatonin secretion and sensitivity to bright nocturnal light in twins. <i>Psychoneuroendocrinology</i> , 2006, 31, 867-875.	2.7	68
10	Roux-en-Y Gastric Bypass Surgery But Not Vertical Sleeve Gastrectomy Decreases Bone Mass in Male Rats. <i>Endocrinology</i> , 2013, 154, 2015-2024.	2.8	60
11	Disturbances of thirst and fluid balance associated with aging. <i>Physiology and Behavior</i> , 2017, 178, 28-34.	2.1	52
12	Reversal of Diet-Induced Obesity Increases Insulin Transport into Cerebrospinal Fluid and Restores Sensitivity to the Anorexic Action of Central Insulin in Male Rats. <i>Endocrinology</i> , 2013, 154, 1047-1054.	2.8	47
13	Angiotensin-converting enzyme inhibition reverses diet-induced obesity, insulin resistance and inflammation in C57BL/6J mice. <i>International Journal of Obesity</i> , 2012, 36, 233-243.	3.4	46
14	Interactions between the central nervous system and pancreatic islet secretions: a historical perspective. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2013, 37, 53-60.	1.6	45
15	Effect of vertical sleeve gastrectomy in melanocortin receptor 4-deficient rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E103-E110.	3.5	41
16	Improvements in hippocampal-dependent memory and microglial infiltration with calorie restriction and gastric bypass surgery, but not with vertical sleeve gastrectomy. <i>International Journal of Obesity</i> , 2014, 38, 349-356.	3.4	41
17	Angiotensin converting enzyme inhibition from birth reduces body weight and body fat in Sprague-Dawley rats. <i>Physiology and Behavior</i> , 2008, 93, 820-825.	2.1	36
18	The continued need for animals to advance brain research. <i>Neuron</i> , 2021, 109, 2374-2379.	8.1	36

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19	Hypertension induced by ω -3 polyunsaturated fatty acid deficiency is alleviated by $\hat{\omega}$ -linolenic acid regardless of dietary source. <i>Hypertension Research</i> , 2010, 33, 808-813.	2.7	35
20	Effect of Guanylate Cyclase-C Activity on Energy and Glucose Homeostasis. <i>Diabetes</i> , 2014, 63, 3798-3804.	0.6	34
21	The Central Insulin System and Energy Balance. <i>Handbook of Experimental Pharmacology</i> , 2012, , 111-129.	1.8	32
22	High-fat diet changes the temporal profile of GLP-1 receptor-mediated hypophagia in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R68-R77.	1.8	32
23	Loss of melanocortin-4 receptor function attenuates HPA responses to psychological stress. <i>Psychoneuroendocrinology</i> , 2014, 42, 98-105.	2.7	32
24	Abnormal dose-response melatonin suppression by light in bipolar type I patients compared with healthy adult subjects. <i>Acta Neuropsychiatrica</i> , 2009, 21, 246-255.	2.1	29
25	Insulin Detemir Is Transported From Blood to Cerebrospinal Fluid and Has Prolonged Central Anorectic Action Relative to NPH Insulin. <i>Diabetes</i> , 2015, 64, 2457-2466.	0.6	27
26	CCK increases the transport of insulin into the brain. <i>Physiology and Behavior</i> , 2016, 165, 392-397.	2.1	27
27	Failure of conjugated linoleic acid supplementation to enhance biosynthesis of docosahexaenoic acid from $\hat{\omega}$ -linolenic acid in healthy human volunteers. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2007, 76, 121-130.	2.2	26
28	Female primary and secondary psychopathic variants show distinct endocrine and psychophysiological profiles. <i>Psychoneuroendocrinology</i> , 2019, 104, 7-17.	2.7	26
29	The Effect of Intrahippocampal Insulin Infusion on Spatial Cognitive Function and Markers of Neuroinflammation in Diet-induced Obesity. <i>Frontiers in Endocrinology</i> , 2018, 9, 752.	3.5	25
30	Omega-3 polyunsaturated fatty acid supplementation reduces hypertension in TGR(mRen-2)27 rats. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2008, 78, 67-72.	2.2	24
31	The regulation of food intake by insulin in the central nervous system. <i>Journal of Neuroendocrinology</i> , 2021, 33, e12952.	2.6	24
32	Regulation of the Motivation to Eat. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 27, 15-34.	1.7	23
33	Dietary Protein Level Interacts With $\hat{\omega}$ -3 Polyunsaturated Fatty Acid Deficiency to Induce Hypertension. <i>American Journal of Hypertension</i> , 2010, 23, 125-128.	2.0	21
34	Reductions in water and sodium intake by aged male and female rats. <i>Nutrition Research</i> , 2012, 32, 865-872.	2.9	21
35	Insulin Transport into the Brain and Cerebrospinal Fluid. <i>Vitamins and Hormones</i> , 2015, 98, 229-248.	1.7	21
36	Neurokinin 3 Receptor Antagonism Ameliorates Key Metabolic Features in a Hyperandrogenic PCOS Mouse Model. <i>Endocrinology</i> , 2021, 162, .	2.8	19

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37	Moderate voluntary exercise attenuates the metabolic syndrome in melanocortin-4 receptor-deficient rats showing central dopaminergic dysregulation. <i>Molecular Metabolism</i> , 2015, 4, 692-705.	6.5	18
38	Effect of peripheral administration of cholecystokinin on food intake in apolipoprotein AIV knockout mice. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, G1336-G1342.	3.4	17
39	Insulin increases central apolipoprotein E levels as revealed by an improved technique for collection of cerebrospinal fluid from rats. <i>Journal of Neuroscience Methods</i> , 2012, 209, 106-112.	2.5	17
40	Suppression of endotoxin-induced fever in near-term pregnant rats is mediated by brain nitric oxide. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R2174-R2178.	1.8	16
41	Hypothalamic gene expression in ̳-3 PUFA-deficient male rats before, and following, development of hypertension. <i>Hypertension Research</i> , 2012, 35, 381-387.	2.7	16
42	Calorie restricted rats do not increase metabolic rate post-LPS, but do seek out warmer ambient temperatures to behaviourally induce a fever. <i>Physiology and Behavior</i> , 2012, 107, 762-772.	2.1	16
43	How and why do gastrointestinal peptides influence food intake?. <i>Physiology and Behavior</i> , 2018, 193, 218-222.	2.1	16
44	Angiotensin-converting enzyme inhibition reduces food intake and weight gain and improves glucose tolerance in melanocortin-4 receptor deficient female rats. <i>Physiology and Behavior</i> , 2013, 121, 43-48.	2.1	13
45	Food for Thought: Revisiting the Complexity of Food Intake. <i>Cell Metabolism</i> , 2015, 22, 348-351.	16.2	13
46	Antagonists of the renin-angiotensin system and the prevention of obesity. <i>Current Opinion in Investigational Drugs</i> , 2009, 10, 1069-77.	2.3	12
47	Attenuation of benzodiazepine withdrawal anxiety in the rat by serotonin antagonists. <i>Behavioural Brain Research</i> , 2005, 161, 286-290.	2.2	11
48	MGAT2 deficiency and vertical sleeve gastrectomy have independent metabolic effects in the mouse. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E1065-E1072.	3.5	11
49	Thirst deficits in aged rats are reversed by dietary omega-3 fatty acid supplementation. <i>Neurobiology of Aging</i> , 2012, 33, 2422-2430.	3.1	10
50	The role of adrenal or testicular hormones in voluntary ethanol and NaCl intake of crowded and individually housed rats. <i>Physiology and Behavior</i> , 2008, 93, 408-413.	2.1	8
51	Sodium appetite in adult rats following ̳-3 polyunsaturated fatty acid deficiency in early development. <i>Appetite</i> , 2010, 55, 393-397.	3.7	8
52	Hedonic and Homeostatic Overlap following Fat Ingestion. <i>Cell Metabolism</i> , 2013, 18, 459-460.	16.2	8
53	The Effect of Dietary Fat and Sucrose on Cognitive Functioning in Mice Lacking Insulin Signaling in Neuropeptide Y Neurons. <i>Frontiers in Physiology</i> , 2022, 13, 841935.	2.8	8
54	An investigation of the effect of immediate and extended release venlafaxine on nocturnal melatonin and cortisol release in healthy adult volunteers. <i>Human Psychopharmacology</i> , 2008, 23, 129-137.	1.5	7

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55	Physiological and subjective validation of a novel stress procedure: The Simple Singing Stress Procedure. <i>Behavior Research Methods</i> , 2021, 53, 1478-1487.	4.0	7
56	Central nitric oxide synthase inhibition restores behaviorally mediated lipopolysaccharide induced fever in near-term rats. <i>Physiology and Behavior</i> , 2008, 94, 630-634.	2.1	6
57	Inhibition of the Renin-Angiotensin System Reduces Gene Expression of Inflammatory Mediators in Adipose Tissue Independent of Energy Balance. <i>Frontiers in Endocrinology</i> , 2021, 12, 682726.	3.5	6
58	Dietary repletion with ̳3 fatty acid or with COX inhibition reverses cognitive effects in F3 ̳3 fatty-acid-deficient mice. <i>Comparative Medicine</i> , 2014, 64, 106-9.	1.0	6
59	The problem of obesity: is there a role for antagonists of the renin-angiotensin system?. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2007, 16 Suppl 1, 359-67.	0.4	6
60	Impaired Fluid Intake, but Not Sodium Appetite, in Aged Rats Is Mediated by the Cyclooxygenase-Prostaglandin E2 Pathway. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 19.	3.4	5
61	The effect of insulin receptor deletion in neuropeptide Y neurons on hippocampal dependent cognitive function in aging mice. <i>Journal of Integrative Neuroscience</i> , 2022, 21, 006.	1.7	5
62	Endocrine and ingestive behavioral responses to fluid deprivation in sheep chronically exposed to ethanol. <i>Physiology and Behavior</i> , 2009, 96, 637-645.	2.1	1
63	Using the cerebrospinal fluid to understand ingestive behavior. <i>Physiology and Behavior</i> , 2017, 178, 172-178.	2.1	1
64	Polyphenol Rich Sugarcane Extract Reduces Body Weight in C57/BL6J Mice Fed a High Fat, High Carbohydrate Diet. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5163.	2.5	1