Margaret J Morris

List of Publications by Citations

251 papers	9,891 citations	54 h-index	89 g-index
269 ext. papers	11,225 ext. citations	4.9 avg, IF	6.5 L-index

#	Paper	IF	Citations
251	Chronic high-fat diet in fathers programs β-cell dysfunction in female rat offspring. *Nature*, **2010**, 467, 963-6	50.4	1043
250	Changes in gut microbiota in rats fed a high fat diet correlate with obesity-associated metabolic parameters. *PLoS ONE*, **2015**, 10, e0126931	3.7	261
249	Neurochemical evidence of cardiac sympathetic activation and increased central nervous system norepinephrine turnover in severe congestive heart failure. *Journal of the American College of Cardiology*, **1994**, 23, 570-8	15.1	249
248	Maternal and postnatal overnutrition differentially impact appetite regulators and fuel metabolism. *Endocrinology*, **2008**, 149, 5348-56	4.8	205
247	Chronic early life stress induced by limited bedding and nesting (LBN) material in rodents: critical considerations of methodology, outcomes and translational potential. *Stress*, **2017**, 20, 421-448	3	169
246	Early-Life Stress, HPA Axis Adaptation, and Mechanisms Contributing to Later Health Outcomes. *Frontiers in Endocrinology*, **2014**, 5, 73	5.7	165
245	The link between stress and feeding behaviour. *Neuropharmacology*, **2012**, 63, 97-110	5.5	162
244	Estrogen deficiency causes central leptin insensitivity and increased hypothalamic neuropeptide Y. *International Journal of Obesity*, **2001**, 25, 1680-8	5.5	157
243	Short exposure to a diet rich in both fat and sugar or sugar alone impairs place, but not object recognition memory in rats. *Brain, Behavior, and Immunity*, **2014**, 37, 134-41	16.6	156
242	Why is obesity such a problem in the 21st century? The intersection of palatable food, cues and reward pathways, stress, and cognition. *Neuroscience and Biobehavioral Reviews*, **2015**, 58, 36-45	9	153
241	Elevated anxiety and depressive-like behavior in a rat model of genetic generalized epilepsy suggesting common causation. *Experimental Neurology*, **2008**, 209, 254-60	5.7	145
240	Increases in plasma neuropeptide Y concentrations during sympathetic activation in man. *Journal of the Autonomic Nervous System*, **1986**, 17, 143-9		141
239	Hypothalamic neuroendocrine circuitry is programmed by maternal obesity: interaction with postnatal nutritional environment. *PLoS ONE*, **2009**, 4, e6259	3.7	136
238	Diet-Induced Cognitive Deficits: The Role of Fat and Sugar, Potential Mechanisms and Nutritional Interventions. *Nutrients*, **2015**, 7, 6719-38	6.7	127
237	Palatable cafeteria diet ameliorates anxiety and depression-like symptoms following an adverse early environment. *Psychoneuroendocrinology*, **2010**, 35, 717-28	5	124
236	Established maternal obesity in the rat reprograms hypothalamic appetite regulators and leptin signaling at birth. *International Journal of Obesity*, **2009**, 33, 115-22	5.5	120
235	Early postnatal stress confers enduring vulnerability to limbic epileptogenesis. *Epilepsia*, **2007**, 48, 2079-85	5.4	115

234	Effect of short-term cigarette smoke exposure on body weight, appetite and brain neuropeptide Y in mice. *Neuropsychopharmacology*, **2005**, 30, 713-9	8.7	105
233	Paternal high-fat diet consumption induces common changes in the transcriptomes of retroperitoneal adipose and pancreatic islet tissues in female rat offspring. *FASEB Journal*, **2014**, 28, 1830-41	0.9	104
232	Voluntary exercise and palatable high-fat diet both improve behavioural profile and stress responses in male rats exposed to early life stress: role of hippocampus. *Psychoneuroendocrinology*, **2010**, 35, 1553-64	5	104
231	Short-term exposure to a diet high in fat and sugar, or liquid sugar, selectively impairs hippocampal-dependent memory, with differential impacts on inflammation. *Behavioural Brain Research*, **2016**, 306, 1-7	3.4	99
230	Effect of I.C.V. injection of AT4 receptor ligands, NLE1-angiotensin IV and LVV-hemorphin 7, on spatial learning in rats. *Neuroscience*, **2004**, 124, 341-9	3.9	99
229	Early dietary intervention: long-term effects on blood pressure, brain neuropeptide Y, and adiposity markers. *American Journal of Physiology - Endocrinology and Metabolism*, **2005**, 288, E1236-43	6	98
228	Ontogeny of alpha 1 and alpha 2-adrenoceptors in rat brain. *Brain Research*, **1980**, 190, 268-71	3.7	95
227	Adaptive responses in hypothalamic neuropeptide Y in the face of prolonged high-fat feeding in the rat. *Journal of Neurochemistry*, **2004**, 88, 909-16	6	89
226	Maternal overnutrition impacts offspring adiposity and brain appetite markers-modulation by postweaning diet. *Journal of Neuroendocrinology*, **2010**, 22, 905-14	3.8	88
225	Potentiation of cholinergic transmission in the rat hippocampus by angiotensin IV and LVV-hemorphin-7. *Neuropharmacology*, **2001**, 40, 618-23	5.5	88
224	The role of reward circuitry and food addiction in the obesity epidemic: An update. *Biological Psychology*, **2018**, 131, 31-42	3.2	81
223	Inhibitory effect of apelin-12 on nocturnal food intake in the rat. *Nutritional Neuroscience*, **2003**, 6, 163-7	3.6	77
222	Long-term postpartum anxiety and depression-like behavior in mother rats subjected to maternal separation are ameliorated by palatable high fat diet. *Behavioural Brain Research*, **2010**, 208, 72-9	3.4	75
221	NAD Repletion Rescues Female Fertility during Reproductive Aging. *Cell Reports*, **2020**, 30, 1670-1681.e7	10.6	74
220	Cigarette smoke exposure reprograms the hypothalamic neuropeptide Y axis to promote weight loss. *American Journal of Respiratory and Critical Care Medicine*, **2006**, 173, 1248-54	10.2	74
219	Impact of adolescent sucrose access on cognitive control, recognition memory, and parvalbumin immunoreactivity. *Learning and Memory*, **2015**, 22, 215-24	2.8	72
218	What obesity research tells us about epigenetic mechanisms. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20110337	5.8	72
217	A review of fundamental principles for animal models of DOHaD research: an Australian perspective. *Journal of Developmental Origins of Health and Disease*, **2016**, 7, 449-472	2.4	72

216	The acceleration of amygdala kindling epileptogenesis by chronic low-dose corticosterone involves both mineralocorticoid and glucocorticoid receptors. *Psychoneuroendocrinology*, **2007**, 32, 834-42	5	71
215	Region-specific neuropeptide Y overflows at rest and during sympathetic activation in humans. *Hypertension*, **1997**, 29, 137-43	8.5	69
214	Improved lactational nutrition and postnatal growth ameliorates impairment of glucose tolerance by uteroplacental insufficiency in male rat offspring. *Endocrinology*, **2008**, 149, 3067-76	4.8	68
213	Plasma neuropeptide Y concentration is increased after hemorrhage in conscious rats: relative contributions of sympathetic nerves and the adrenal medulla. *Journal of Cardiovascular Pharmacology*, **1987**, 9, 541-5	3.1	68
212	Enhanced inhibitory feeding response to alpha-melanocyte stimulating hormone in the diet-induced obese rat. *Brain Research*, **2001**, 892, 130-7	3.7	66
211	Plasma catecholamines and neuropeptide-Y as indices of sympathetic nerve activity in normotensive and stroke-prone spontaneously hypertensive rats. *Journal of Cardiovascular Pharmacology*, **1986**, 8, 1113-21	3.1	65
210	Cafeteria diet and probiotic therapy: cross talk among memory, neuroplasticity, serotonin receptors and gut microbiota in the rat. *Molecular Psychiatry*, **2018**, 23, 351-361	15.1	62
209	Effects of maternal diet and exercise during pregnancy on glucose metabolism in skeletal muscle and fat of weanling rats. *PLoS ONE*, **2015**, 10, e0120980	3.7	62
208	Early life stress enhancement of limbic epileptogenesis in adult rats: mechanistic insights. *PLoS ONE*, **2011**, 6, e24033	3.7	60
207	The mechanism of carbamazepine aggravation of absence seizures. *Journal of Pharmacology and Experimental Therapeutics*, **2006**, 319, 790-8	4.7	60
206	The long non-coding RNA NEAT1 is responsive to neuronal activity and is associated with hyperexcitability states. *Scientific Reports*, **2017**, 7, 40127	4.9	59
205	Diet-induced obesity impairs endothelium-derived hyperpolarization via altered potassium channel signaling mechanisms. *PLoS ONE*, **2011**, 6, e16423	3.7	58
204	The effect of short-term exposure to energy-matched diets enriched in fat or sugar on memory, gut microbiota and markers of brain inflammation and plasticity. *Brain, Behavior, and Immunity*, **2016**, 57, 304-313	16.6	57
203	Obesity up-regulates intermediate conductance calcium-activated potassium channels and myoendothelial gap junctions to maintain endothelial vasodilator function. *Journal of Pharmacology and Experimental Therapeutics*, **2010**, 335, 284-93	4.7	56
202	Anxiolytic effects of rapid amygdala kindling, and the influence of early life experience in rats. *Behavioural Brain Research*, **2009**, 203, 81-7	3.4	55
201	Differential responses of orexigenic neuropeptides to fasting in offspring of obese mothers. *Obesity*, **2009**, 17, 1356-62	8	55
200	Effects of increasing gestation, cortisol and maternal undernutrition on hypothalamic neuropeptide Y expression in the sheep fetus. *Journal of Neuroendocrinology*, **1998**, 10, 51-7	3.8	55
199	Chronic low-dose corticosterone supplementation enhances acquired epileptogenesis in the rat amygdala kindling model of TLE. *Neuropsychopharmacology*, **2005**, 30, 1610-6	8.7	54

198	Release of substance P in the nucleus tractus solitarius measured by in vivo microdialysis: response to stimulation of the aortic depressor nerves in rabbit. *Neuroscience Letters*, **1988**, 94, 131-7	3.3	54
197	alpha 1- and alpha 2-adrenoceptors in rat cerebral cortex: effect of frontal lobotomy. *Naunyn-Schmiedebergls Archives of Pharmacology*, **1981**, 316, 42-4	3.4	52
196	Extended exposure to a palatable cafeteria diet alters gene expression in brain regions implicated in reward, and withdrawal from this diet alters gene expression in brain regions associated with stress. *Behavioural Brain Research*, **2014**, 265, 132-41	3.4	51
195	Early undernutrition leads to long-lasting reductions in body weight and adiposity whereas increased intake increases cardiac fibrosis in male rats. *Journal of Nutrition*, **2008**, 138, 1622-7	4.1	49
194	Cardiac sympathetic nerve biology and brain monoamine turnover in panic disorder. *Annals of the New York Academy of Sciences*, **2004**, 1018, 505-14	6.5	49
193	Detrimental metabolic effects of combining long-term cigarette smoke exposure and high-fat diet in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 293, E1564-71	6	47
192	Neuropeptide Y suppresses absence seizures in a genetic rat model. *Brain Research*, **2005**, 1033, 151-6	3.7	46
191	The feeding response to melanin-concentrating hormone is attenuated by antagonism of the NPY Y(1)-receptor in the rat. *Endocrinology*, **2002**, 143, 191-7	4.8	46
190	Specific changes in hypothalamic alpha-adrenoceptors in young spontaneously hypertensive rats. *Hypertension*, **1981**, 3, 516-20	8.5	46
189	Head to Head Comparison of Short-Term Treatment with the NAD(+) Precursor Nicotinamide Mononucleotide (NMN) and 6 Weeks of Exercise in Obese Female Mice. *Frontiers in Pharmacology*, **2016**, 7, 258	5.6	46
188	A genetic epilepsy rat model displays endophenotypes of psychosis. *Neurobiology of Disease*, **2010**, 39, 116-25	7.5	45
187	Long-term cigarette smoke exposure increases uncoupling protein expression but reduces energy intake. *Brain Research*, **2008**, 1228, 81-8	3.7	45
186	Validation of a method for localised microinjection of drugs into thalamic subregions in rats for epilepsy pharmacological studies. *Journal of Neuroscience Methods*, **2005**, 146, 191-7	3	45
185	Systemic upregulation of NADPH oxidase in diet-induced obesity in rats. *Redox Report*, **2011**, 16, 223-9	5.9	43
184	Differential effects of diet-induced obesity on BKCa {beta}1-subunit expression and function in rat skeletal muscle arterioles and small cerebral arteries. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 301, H29-40	5.2	43
183	Extra-adipocyte leptin release in human obesity and its relation to sympathoadrenal function. *American Journal of Physiology - Endocrinology and Metabolism*, **2004**, 286, E744-52	6	43
182	Many peptides that are present in the external zone of the median eminence are not secreted into the hypophysial portal blood of sheep. *Neuroendocrinology*, **1993**, 57, 765-75	5.6	43
181	Dietary-induced obesity disrupts trace fear conditioning and decreases hippocampal reelin expression. *Brain, Behavior, and Immunity*, **2015**, 43, 68-75	16.6	42

180	Early life maternal separation stress augmentation of limbic epileptogenesis: the role of corticosterone and HPA axis programming. *Psychoneuroendocrinology*, **2014**, 42, 124-33	5	42
179	Altered feeding patterns in rats exposed to a palatable cafeteria diet: increased snacking and its implications for development of obesity. *PLoS ONE*, **2013**, 8, e60407	3.7	42
178	Diet, inflammation and the gut microbiome: Mechanisms for obesity-associated cognitive impairment. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2020**, 1866, 165767	6.9	41
177	Brain neuropeptide Y and CCK and peripheral adipokine receptors: temporal response in obesity induced by palatable diet. *International Journal of Obesity*, **2008**, 32, 249-58	5.5	41
176	Rhythmic neuronal activity in S2 somatosensory and insular cortices contribute to the initiation of absence-related spike-and-wave discharges. *Epilepsia*, **2012**, 53, 1948-58	6.4	39
175	Plasma neuropeptide y levels rise in patients undergoing exercise tests for the investigation of chest pain. *Clinical and Experimental Pharmacology and Physiology*, **1986**, 13, 437-40	3	39
174	Neurological and stress related effects of shifting obese rats from a palatable diet to chow and lean rats from chow to a palatable diet. *Physiology and Behavior*, **2012**, 105, 1052-7	3.5	38
173	Nicotinamide mononucleotide (NMN) supplementation ameliorates the impact of maternal obesity in mice: comparison with exercise. *Scientific Reports*, **2017**, 7, 15063	4.9	38
172	Neuropeptide Y (NPY) delays the oestrogen-induced luteinizing hormone (LH) surge in the ovariectomized ewe: further evidence that NPY has a predominant negative effect on LH secretion in the ewe. *Journal of Neuroendocrinology*, **2003**, 15, 1011-20	3.8	38
171	Differential motivational profiles following adolescent sucrose access in male and female rats. *Physiology and Behavior*, **2016**, 157, 13-9	3.5	37
170	Central and peripheral contributions to obesity-associated hypertension: impact of early overnourishment. *Experimental Physiology*, **2005**, 90, 697-702	2.4	37
169	Interaction between maternal obesity and post-natal over-nutrition on skeletal muscle metabolism. *Nutrition, Metabolism and Cardiovascular Diseases*, **2012**, 22, 269-76	4.5	36
168	Cafeteria diet impairs expression of sensory-specific satiety and stimulus-outcome learning. *Frontiers in Psychology*, **2014**, 5, 852	3.4	35
167	Effects of vagal and splanchnic section on food intake, weight, serum leptin and hypothalamic neuropeptide Y in rat. *Autonomic Neuroscience: Basic and Clinical*, **2001**, 92, 28-36	2.4	35
166	On the TRAIL of obesity and diabetes. *Trends in Endocrinology and Metabolism*, **2013**, 24, 578-87	8.8	34
165	The mechanisms mediating the antiepileptic effects of the ketogenic diet, and potential opportunities for improvement with metabolism-altering drugs. *Seizure: the Journal of the British Epilepsy Association*, **2017**, 52, 15-19	3.2	32
164	A diet high in fat and sugar reverses anxiety-like behaviour induced by limited nesting in male rats: Impacts on hippocampal markers. *Psychoneuroendocrinology*, **2016**, 68, 202-9	5	31
163	Integration of reward signalling and appetite regulating peptide systems in the control of food-cue responses. *British Journal of Pharmacology*, **2015**, 172, 5225-38	8.6	31

162	Neuropeptide Y suppresses absence seizures in a genetic rat model primarily through effects on Y receptors. *European Journal of Neuroscience*, **2007**, 25, 1136-43	3.5	31
161	Feeding responses to a melanocortin agonist and antagonist in obesity induced by a palatable high-fat diet. *Brain Research*, **2005**, 1039, 137-45	3.7	31
160	NPY Y1 receptors exert opposite effects on corticotropin releasing factor and noradrenaline overflow from the rat hypothalamus in vitro. *Brain Research*, **2001**, 890, 32-7	3.7	31
159	Maternal cigarette smoke exposure contributes to glucose intolerance and decreased brain insulin action in mice offspring independent of maternal diet. *PLoS ONE*, **2011**, 6, e27260	3.7	31
158	Paternal High Fat Diet in Rats Leads to Renal Accumulation of Lipid and Tubular Changes in Adult Offspring. *Nutrients*, **2016**, 8,	6.7	31
157	Sex-specific effects of daily exposure to sucrose on spatial memory performance in male and female rats, and implications for estrous cycle stage. *Physiology and Behavior*, **2016**, 162, 52-60	3.5	30
156	Regulation of hypothalamic NPY by diet and smoking. *Peptides*, **2007**, 28, 384-9	3.8	30
155	Effect of adrenalectomy and corticosterone replacement on prepulse inhibition and locomotor activity in mice. *British Journal of Pharmacology*, **2004**, 142, 543-50	8.6	30
154	Effects of paternal obesity on growth and adiposity of male rat offspring. *American Journal of Physiology - Endocrinology and Metabolism*, **2017**, 312, E117-E125	6	29
153	Hypoxic postconditioning reduces microglial activation, astrocyte and caspase activity, and inflammatory markers after hypoxia-ischemia in the neonatal rat brain. *Pediatric Research*, **2015**, 77, 757-64	3.2	29
152	Exendin-4 is effective against metabolic disorders induced by intrauterine and postnatal overnutrition in rodents. *Diabetologia*, **2014**, 57, 614-22	10.3	29
151	Repeatedly stressed rats have enhanced vulnerability to amygdala kindling epileptogenesis. *Psychoneuroendocrinology*, **2013**, 38, 263-70	5	29
150	Leucine improves glucose and lipid status in offspring from obese dams, dependent on diet type, but not caloric intake. *Journal of Neuroendocrinology*, **2012**, 24, 1356-64	3.8	29
149	Late-onset exercise in female rat offspring ameliorates the detrimental metabolic impact of maternal obesity. *Endocrinology*, **2013**, 154, 3610-21	4.8	28
148	Unaltered TNF-alpha production by macrophages and monocytes in diet-induced obesity in the rat. *Journal of Inflammation*, **2005**, 2, 2	6.7	28
147	Modulation of neuropeptide Y overflow by leptin in the rat hypothalamus, cerebral cortex and medulla. *NeuroReport*, **1998**, 9, 1575-80	1.7	28
146	Central serotonergic mechanisms in cardiovascular regulation. *Cardiovascular Drugs and Therapy*, **1990**, 4 Suppl 1, 27-32	3.9	28
145	Environmental enrichment imparts disease-modifying and transgenerational effects on genetically-determined epilepsy and anxiety. *Neurobiology of Disease*, **2016**, 93, 129-36	7.5	27

144	Maternal obesity impairs brain glucose metabolism and neural response to hyperglycemia in male rat offspring. *Journal of Neurochemistry*, **2014**, 129, 297-303	6	26
143	Voluntary post weaning exercise restores metabolic homeostasis in offspring of obese rats. *Nutrition, Metabolism and Cardiovascular Diseases*, **2013**, 23, 574-81	4.5	25
142	The beneficial effects of early short-term exercise in the offspring of obese mothers are accompanied by alterations in the hypothalamic gene expression of appetite regulators and FTO (fat mass and obesity associated) gene. *Journal of Neuroendocrinology*, **2013**, 25, 742-52	3.8	25
141	Neuropeptide Y and [Leu31,Pro34]neuropeptide Y potentiate potassium-induced noradrenaline release in the paraventricular nucleus of the aged rat. *Brain Research*, **1997**, 750, 301-4	3.7	25
140	Influence of leptin on neurotransmitter overflow from the rat brain in vitro. *Regulatory Peptides*, **2002**, 103, 67-74		25
139	Does neuropeptide Y contribute to the anorectic action of amylin?. *Peptides*, **2001**, 22, 541-6	3.8	25
138	Neuropeptide Y potentiation of potassium-induced noradrenaline release in the hypothalamic paraventricular nucleus of the rat in vivo. *Brain Research*, **1995**, 690, 108-11	3.7	25
137	Impacts of Diet and Exercise on Maternal Gut Microbiota Are Transferred to Offspring. *Frontiers in Endocrinology*, **2018**, 9, 716	5.7	25
136	Dietary obesity increases NO and inhibits BKCa-mediated, endothelium-dependent dilation in rat cremaster muscle artery: association with caveolins and caveolae. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 302, H2464-76	5.2	24
135	Leptin reduces food intake but does not alter weight regain following food deprivation in the rat. *International Journal of Obesity*, **2003**, 27, 48-54	5.5	24
134	Microinjection of kainic acid into the rostral ventrolateral medulla causes hypertension and release of neuropeptide Y-like immunoreactivity from rabbit spinal cord. *Clinical and Experimental Pharmacology and Physiology*, **1987**, 14, 127-32	3	24
133	Effects of enalapril and hydrochlorothiazide on blood pressure, renin-angiotensin system, and atrial natriuretic factor in essential hypertension: a double blind factorial cross-over study. *Australian and New Zealand Journal of Medicine*, **1986**, 16, 475-80		23
132	Effects of long-term cycling between palatable cafeteria diet and regular chow on intake, eating patterns, and response to saccharin and sucrose. *Physiology and Behavior*, **2015**, 139, 80-8	3.5	22
131	Increased caveolae density and caveolin-1 expression accompany impaired NO-mediated vasorelaxation in diet-induced obesity. *Histochemistry and Cell Biology*, **2013**, 139, 309-21	2.4	22
130	Oxcarbazepine, not its active metabolite, potentiates GABAA activation and aggravates absence seizures. *Epilepsia*, **2009**, 50, 83-7	6.4	22
129	Role of MC4 receptors in the depressor and bradycardic effects of alpha-MSH in the nucleus tractus solitarii of the rat. *NeuroReport*, **2003**, 14, 703-7	1.7	22
128	The relationship of changes in leptin, neuropeptide Y and reproductive hormones to antipsychotic induced weight gain. *Human Psychopharmacology*, **2003**, 18, 551-7	2.3	22
127	Catecholamine release in the rat hypothalamic paraventricular nucleus in response to haemorrhage, desipramine and potassium. *Brain Research*, **1994**, 665, 5-12	3.7	22

126	Early hypothalamic FTO overexpression in response to maternal obesity--potential contribution to postweaning hyperphagia. *PLoS ONE*, **2011**, 6, e25261	3.7	22
125	Daily access to sucrose impairs aspects of spatial memory tasks reliant on pattern separation and neural proliferation in rats. *Learning and Memory*, **2016**, 23, 386-90	2.8	21
124	Maternal obesity increases inflammation and exacerbates damage following neonatal hypoxic-ischaemic brain injury in rats. *Brain, Behavior, and Immunity*, **2017**, 63, 186-196	16.6	21
123	Cardiovascular and metabolic effects of obesity. *Clinical and Experimental Pharmacology and Physiology*, **2008**, 35, 416-9	3	20
122	Is the CCK2 receptor essential for normal regulation of body weight and adiposity?. *European Journal of Neuroscience*, **2006**, 24, 1427-33	3.5	20
121	Regional sympathetic effects of low-dose clonidine in heart failure. *Hypertension*, **2003**, 41, 553-7	8.5	20
120	Variation in plasma leptin levels in response to fasting in Antarctic fur seals (Arctocephalus gazella). *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2002**, 172, 27-34	2.2	20
119	Aggravation of absence seizures by carbamazepine in a genetic rat model does not induce neuronal c-Fos activation. *Clinical Neuropharmacology*, **2005**, 28, 60-5	1.4	20
118	Evidence for an interaction between neuropeptide Y and the melanocortin-4 receptor on feeding in the rat. *Neuropharmacology*, **2002**, 42, 792-7	5.5	20
117	Specific increase in renal alpha 1-adrenergic receptors following unilateral renal denervation. *Journal of Receptors and Signal Transduction*, **1985**, 5, 133-46		20
116	Early life influences on obesity risk: maternal overnutrition and programming of obesity. *Expert Review of Endocrinology and Metabolism*, **2009**, 4, 625-637	4.1	19
115	Exaggerated feeding response to central galanin-like peptide administration in diet-induced obese rats. *Neuropeptides*, **2005**, 39, 333-6	3.3	19
114	Enduring Effects of Early Life Stress on Firing Patterns of Hippocampal and Thalamocortical Neurons in Rats: Implications for Limbic Epilepsy. *PLoS ONE*, **2013**, 8, e66962	3.7	19
113	Lipids, lipoprotein distribution and depressive symptoms: the Multi-Ethnic Study of Atherosclerosis. *Translational Psychiatry*, **2016**, 6, e962	8.6	19
112	Intermittent cafeteria diet identifies fecal microbiome changes as a predictor of spatial recognition memory impairment in female rats. *Translational Psychiatry*, **2020**, 10, 36	8.6	18
111	Niclosamide reduces glucagon sensitivity via hepatic PKA inhibition in obese mice: Implications for glucose metabolism improvements in type 2 diabetes. *Scientific Reports*, **2017**, 7, 40159	4.9	17
110	Cross-talk among metabolic parameters, esophageal microbiota, and host gene expression following chronic exposure to an obesogenic diet. *Scientific Reports*, **2017**, 7, 45753	4.9	17
109	Hyperpalatability and the Generation of Obesity: Roles of Environment, Stress Exposure and Individual Difference. *Current Obesity Reports*, **2018**, 7, 6-18	8.4	17

108	Early Life Stress Induced by Limited Nesting Material Produces Metabolic Resilience in Response to a High-Fat and High-Sugar Diet in Male Rats. *Frontiers in Endocrinology*, **2015**, 6, 138	5.7	17
107	Maternal smoking-A contributor to the obesity epidemic?. *Obesity Research and Clinical Practice*, **2007**, 1, I-II	5.4	17
106	Transitory reduction in angiotensin AT2 receptor expression levels in postinfarct remodelling in rat myocardium. *Clinical and Experimental Pharmacology and Physiology*, **2004**, 31, 512-7	3	17
105	Differences in the central hypotensive actions of alpha-methyldopa and clonidine in the spontaneously hypertensive rat: contribution of neurons arising from the B3 and the C1 areas of the rostral ventrolateral medulla. *Journal of Cardiovascular Pharmacology*, **1990**, 15, 118-23	3.1	17
104	Long-term behavioural effects of maternal obesity in C57BL/6J mice. *Physiology and Behavior*, **2019**, 199, 306-313	3.5	17
103	The lung inflammation and skeletal muscle wasting induced by subchronic cigarette smoke exposure are not altered by a high-fat diet in mice. *PLoS ONE*, **2013**, 8, e80471	3.7	16
102	Rats eat a cafeteria-style diet to excess but eat smaller amounts and less frequently when tested with chow. *PLoS ONE*, **2014**, 9, e93506	3.7	16
101	Obesity-induced sperm DNA methylation changes at satellite repeats are reprogrammed in rat offspring. *Asian Journal of Andrology*, **2016**, 18, 930-936	2.8	16
100	Alternating or continuous exposure to cafeteria diet leads to similar shifts in gut microbiota compared to chow diet. *Molecular Nutrition and Food Research*, **2017**, 61, 1500815	5.9	15
99	Parental programming: how can we improve study design to discern the molecular mechanisms?. *BioEssays*, **2013**, 35, 787-93	4.1	15
98	Neuropeptide Y in cortisol-induced hypertension in male volunteers. *Clinical and Experimental Pharmacology and Physiology*, **1994**, 21, 435-8	3	15
97	The effects of dietary fibre on glucose tolerance in healthy males. *Australian and New Zealand Journal of Medicine*, **1979**, 9, 154-8		15
96	Daily Exposure to Sucrose Impairs Subsequent Learning About Food Cues: A Role for Alterations in Ghrelin Signaling and Dopamine D2 Receptors. *Neuropsychopharmacology*, **2016**, 41, 1357-65	8.7	14
95	The Relationship Between Dietary Macronutrients and Hepatic Telomere Length in Aging Mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 446-449	6.4	13
94	Postprandial oxidative stress is increased after a phytonutrient-poor food but not after a kilojoule-matched phytonutrient-rich food. *Nutrition Research*, **2014**, 34, 391-400	4	13
93	Focal administration of neuropeptide Y into the S2 somatosensory cortex maximally suppresses absence seizures in a genetic rat model. *Epilepsia*, **2012**, 53, 477-84	6.4	13
92	Early life stress and post-weaning high fat diet alter tyrosine hydroxylase regulation and AT1 receptor expression in the adrenal gland in a sex dependent manner. *Neurochemical Research*, **2013**, 38, 826-33	4.6	13
91	Increased endogenous noradrenaline and neuropeptide Y release from the hypothalamus of streptozotocin diabetic rats. *Brain Research*, **2004**, 1006, 100-6	3.7	13

90	Age-related changes in neuropeptide Y content in brain and peripheral tissues of spontaneously hypertensive rats. *Clinical and Experimental Pharmacology and Physiology*, **1994**, 21, 335-8	3	13
89	Renin, antidiuretic hormone and the kidney in water restriction and rehydration. *Journal of Physiology*, **1979**, 294, 181-93	3.9	13
88	The oesophageal microbiome: an unexplored link in obesity-associated oesophageal adenocarcinoma. *FEMS Microbiology Ecology*, **2016**, 92,	4.3	13
87	More Flavor for Flavonoid-Based Interventions?. *Trends in Molecular Medicine*, **2017**, 23, 293-295	11.5	12
86	Pattern of access to cafeteria-style diet determines fat mass and degree of spatial memory impairments in rats. *Scientific Reports*, **2019**, 9, 13516	4.9	12
85	Gene therapy mediated seizure suppression in Genetic Generalised Epilepsy: Neuropeptide Y overexpression in a rat model. *Neurobiology of Disease*, **2018**, 113, 23-32	7.5	12
84	NPY and NPY Y1 receptor effects on noradrenaline overflow from the rat brain in vitro. *Regulatory Peptides*, **2004**, 120, 107-12		12
83	Do pressor neurons in the ventrolateral medulla release amines and neuropeptides?. *Canadian Journal of Physiology and Pharmacology*, **1987**, 65, 1598-604	2.4	12
82	Palatable Western-style Cafeteria Diet as a Reliable Method for Modeling Diet-induced Obesity in Rodents. *Journal of Visualized Experiments*, **2019**,	1.6	11
81	Leptin's metabolic and immune functions can be uncoupled at the ligand/receptor interaction level. *Cellular and Molecular Life Sciences*, **2015**, 72, 629-644	10.3	11
80	Effect of diet-induced obesity on BK(Ca) function in contraction and dilation of rat isolated middle cerebral artery. *Vascular Pharmacology*, **2014**, 61, 10-5	5.9	11
79	Noradrenaline, but not neuropeptide Y, is elevated in cerebrospinal fluid from the third cerebral ventricle following audiovisual stress in gonadectomised rams and ewes. *Neuroendocrinology*, **2002**, 76, 373-80	5.6	11
78	Complementary changes in plasma atrial natriuretic peptide and antidiuretic hormone concentrations in response to volume expansion and haemorrhage: studies in conscious normotensive and spontaneously hypertensive rats. *Clinical and Experimental Pharmacology and Physiology*, **1987**, 14, 283-9	3	11
77	The role of hippocampal estradiol in synaptic plasticity and memory: A systematic review. *Frontiers in Neuroendocrinology*, **2020**, 56, 100818	8.9	11
76	Sugar Consumption Produces Effects Similar to Early Life Stress Exposure on Hippocampal Markers of Neurogenesis and Stress Response. *Frontiers in Molecular Neuroscience*, **2015**, 8, 86	6.1	11
75	Environmental enrichment delays limbic epileptogenesis and restricts pathologic synaptic plasticity. *Epilepsia*, **2016**, 57, 484-94	6.4	11
74	Niclosamide blocks glucagon phosphorylation of Ser552 on β-catenin in primary rat hepatocytes via PKA signalling. *Biochemical Journal*, **2016**, 473, 1247-55	3.8	11
73	Unravelling the impacts of western-style diets on brain, gut microbiota and cognition. *Neuroscience and Biobehavioral Reviews*, **2021**, 128, 233-243	9	11

72	The effect of early-life stress and chronic high-sucrose diet on metabolic outcomes in female rats. *Stress*, **2015**, 18, 524-37	3	10
71	Diltiazem and atenolol in essential hypertension: additivity of effects on blood pressure and cardiac conduction with combination therapy. *Journal of Hypertension*, **1990**, 8, 1015-9	1.9	10
70	Glucagon phosphorylates serine 552 of β-catenin leading to increased expression of cyclin D1 and c-Myc in the isolated rat liver. *Archives of Physiology and Biochemistry*, **2015**, 121, 88-96	2.2	9
69	Maternal obesity regulates gene expression in the hearts of offspring. *Nutrition, Metabolism and Cardiovascular Diseases*, **2015**, 25, 881-8	4.5	9
68	Minocycline-induced microbiome alterations predict cafeteria diet-induced spatial recognition memory impairments in rats. *Translational Psychiatry*, **2020**, 10, 92	8.6	9
67	Polymer brush based fluorescent immunosensor for direct monitoring of interleukin-1β in rat blood. *Analyst, The*, **2019**, 144, 5682-5690	5	9
66	Long-term valproate treatment increases brain neuropeptide Y expression and decreases seizure expression in a genetic rat model of absence epilepsy. *PLoS ONE*, **2013**, 8, e73505	3.7	9
65	Mechanisms behind early life nutrition and adult disease outcome. *World Journal of Diabetes*, **2011**, 2, 127-32	4.7	9
64	Constipation and sleep behaviour disorder associate with processing speed and attention in males with Parkinson's disease over five years follow-up. *Scientific Reports*, **2020**, 10, 19014	4.9	8
63	Fluctuating and constant valproate administration gives equivalent seizure control in rats with genetic and acquired epilepsy. *Seizure: the Journal of the British Epilepsy Association*, **2011**, 20, 72-9	3.2	8
62	In vitro studies of endogenous noradrenaline and NPY overflow from the rat hypothalamus during maturation and ageing. *Naunyn-Schmiedebergls Archives of Pharmacology*, **1998**, 357, 218-24	3.4	8
61	Involvement of neuropeptide Y in glucose sensing in the dorsal hypothalamus of streptozotocin diabetic rats - in vitro and in vivo studies of transmitter release. *Diabetologia*, **2002**, 45, 1332-9	10.3	8
60	Erythrocyte Ca2+ handling in the spontaneously hypertensive rat, effect of vanadate ions. *Life Sciences*, **1994**, 54, 267-74	6.8	8
59	Role of renal nerve activity, plasma catecholamines and plasma vasopressin in cardiovascular responses to intracisternal neurotoxins in the rabbit. *Journal of the Autonomic Nervous System*, **1986**, 17, 109-20		8
58	Mechanisms Underlying the Cognitive and Behavioural Effects of Maternal Obesity. *Nutrients*, **2021**, 13,	6.7	8
57	Reviewing the effects of dietary salt on cognition: mechanisms and future directions. *Asia Pacific Journal of Clinical Nutrition*, **2019**, 28, 6-14	1	8
56	Impacts of obesity, maternal obesity and nicotinamide mononucleotide supplementation on sperm quality in mice. *Reproduction*, **2019**, 158, 169-179	3.8	7
55	Vascular and brain neuropeptide Y in banded and spontaneously hypertensive rats. *Peptides*, **2004**, 25, 1313-9	3.8	7

54	Neuropeptide Y-like immunoreactivity of plasma during hypoglycaemia in man. *Journal of the Autonomic Nervous System*, **1989**, 26, 85-8		7
53	Midline B3 serotonin nerves in rat medulla are involved in hypotensive effect of methyldopa. *Journal of Cardiovascular Pharmacology*, **1986**, 8, 381-5	3.1	7
52	Administration of Nicotinamide Mononucleotide (NMN) Reduces Metabolic Impairment in Male Mouse Offspring from Obese Mothers. *Cells*, **2020**, 9,	7.9	7
51	Red blood cell ionized calcium concentration in spontaneous hypertension: modulation in vivo by the calcium antagonist PN 200.110. *Clinical and Experimental Pharmacology and Physiology*, **1988**, 15, 257-60	3	6
50	Evidence of Altered Peripheral Nerve Function in a Rodent Model of Diet-Induced Prediabetes. *Biomedicines*, **2020**, 8,	4.8	6
49	The impact of poor diet and early life stress on memory status. *Current Opinion in Behavioral Sciences*, **2016**, 9, 144-151	4	6
48	Hypoxic postconditioning improves behavioural deficits at 6 weeks following hypoxic-ischemic brain injury in neonatal rats. *Behavioural Brain Research*, **2017**, 333, 27-34	3.4	5
47	Relationship of Lipids and Lipid-Lowering Medications With Cognitive Function: The Multi-Ethnic Study of Atherosclerosis. *American Journal of Epidemiology*, **2018**, 187, 767-776	3.8	5
46	In vivo and in vitro effects of isradipine on cytosolic Ca2+ concentration in erythrocytes from spontaneously hypertensive rats. *American Journal of Hypertension*, **1992**, 5, 887-91	2.3	5
45	Embryonic hypothalamic tissue transplanted to the IVth ventricle of newborn Brattleboro rats. *Neuroscience Letters*, **1984**, 52, 269-74	3.3	5
44	Male Rat Offspring Are More Impacted by Maternal Obesity Induced by Cafeteria Diet than Females-Additive Effect of Postweaning Diet.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	5
43	An efficient new assay for measuring zebrafish anxiety: Tall tanks that better characterize between-individual differences. *Journal of Neuroscience Methods*, **2021**, 356, 109138	3	5
42	Exercise-induced benefits on glucose handling in a model of diet-induced obesity are reduced by concurrent nicotinamide mononucleotide. *American Journal of Physiology - Endocrinology and Metabolism*, **2021**, 321, E176-E189	6	5
41	Behavioural effects of high fat diet in adult Nrg1 type III transgenic mice. *Behavioural Brain Research*, **2020**, 377, 112217	3.4	5
40	Multigenerational obesity-induced perturbations in oocyte-secreted factor signalling can be ameliorated by exercise and nicotinamide mononucleotide. *Human Reproduction Open*, **2018**, 2018, hoy010	6.1	5
39	Acute effect of carbamazepine on corticothalamic 5-9-Hz and thalamocortical spindle (10-16-Hz) oscillations in the rat. *European Journal of Neuroscience*, **2014**, 39, 788-99	3.5	4
38	Gene expression in rat models for inter-generational transmission of islet dysfunction and obesity. *Genomics Data*, **2014**, 2, 351-3		4
37	Altered in vivo catecholamine release in the hypothalamic paraventricular nucleus of the aged rat. *Naunyn-Schmiedebergls Archives of Pharmacology*, **1996**, 353, 161-7	3.4	4

36	Central alpha-adrenoceptors and blood pressure regulation in the rat. *Clinical and Experimental Pharmacology and Physiology*, **1982**, 9, 303-7	3	4
35	Non-CpG methylation biases bisulphite PCR towards low or unmethylated mitochondrial DNA: recommendations for the field. *Environmental Epigenetics*, **2020**, 6, dvaa001	2.4	4
34	Treadmill exercise has minimal impact on obesogenic diet-related gut microbiome changes but alters adipose and hypothalamic gene expression in rats. *Nutrition and Metabolism*, **2020**, 17, 71	4.6	4
33	Lack of effect of age on the cardiovascular response to neuropeptide Y injection in the rat nucleus tractus solitarius. *Clinical and Experimental Pharmacology and Physiology*, **1997**, 24, 162-5	3	3
32	Effect of fimbria-fornix lesion on 125I-angiotensin IV (Ang IV) binding in the guinea pig hippocampus. *Brain Research*, **2003**, 979, 7-14	3.7	3
31	The Relative Value of Measures of Omega-3 Index, Perceived Stress, Cortisol and Sleep Time in Identifying Depression Among a Cohort of Australian Adolescents. *International Journal of Child Health and Nutrition*, **2015**, 4, 40-49	1.5	3
30	Mitochondrial uncoupler SHC517 reverses obesity in mice without affecting food intake. *Metabolism: Clinical and Experimental*, **2021**, 117, 154724	12.7	3
29	Transcriptomic signature of early life stress in male rat prefrontal cortex. *Neurobiology of Stress*, **2021**, 14, 100316	7.6	3
28	A scalable, fully automated approach for regional quantification of immunohistochemical staining of astrocytes in the rat brain. *Journal of Neuroscience Methods*, **2021**, 348, 108994	3	3
27	Behavioural effects of high fat diet exposure starting in late adolescence in neuregulin 1 transmembrane domain mutant mice. *Behavioural Brain Research*, **2019**, 373, 112074	3.4	2
26	A descriptive study of women presenting to an obstetric triage unit with no prenatal care. *Journal of Obstetrics and Gynaecology Canada*, **2014**, 36, 216-222	1.3	2
25	Leptin regulation of expression of neuropeptide Y and its receptor. *Biochemical Society Transactions*, **1998**, 26, S203	5.1	2
24	Postnatal development of rat alpha- and beta-adrenergic receptors: A comparison between tissues. *International Journal of Developmental Neuroscience*, **1983**, 1, 35-42	2.7	2
23	The selective estrogen receptor modulator tamoxifen protects against subtle cognitive decline and early markers of injury 24h after hippocampal silent infarct in male Sprague-Dawley rats. *Hormones and Behavior*, **2021**, 134, 105016	3.7	2
22	Executive function in obesity and anorexia nervosa: Opposite ends of a spectrum of disordered feeding behaviour?. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2021**, 111, 110395	5.5	2
21	Minocycline for the treatment of mental health and neurological conditions: study protocol of a systematic review and meta-analysis. *BMJ Open*, **2020**, 10, e035080	3	1
20	The effect of bariatric surgery on serum TRAIL and osteoprotegerin levels in obesity complicated by glucose disorders. *E-SPEN Journal*, **2014**, 9, e210-e214		1
19	Plasma atrial natriuretic peptide is increased during atrial pacing in conscious rabbits. *Clinical and Experimental Pharmacology and Physiology*, **1987**, 14, 59-63	3	1

18	Neuropeptide Y affects thalamic reticular nucleus neuronal firing and network synchronization associated with suppression of spike-wave discharges. *Epilepsia*, **2018**, 59, 1444-1454	6.4	1
17	Chronic exposure to cafeteria-style diet in rats alters sweet taste preference and reduces motivation for, but not likingSof sucrose. *Appetite*, **2022**, 168, 105742	4.5	1
16	Hippocampal silent infarct leads to subtle cognitive decline that is associated with inflammation and gliosis at twenty-four hours after injury in a rat model. *Behavioural Brain Research*, **2021**, 401, 113089	3.4	1
15	Cardiovascular Disease Risk Factors Profile Among Australian Vegetarian and Nonvegetarian Teenagers. *American Journal of Lifestyle Medicine*, **2021**, 15, 313-321	1.9	1
14	Lipoprotein (a) and the risk of elevated depressive symptoms: The Multi-Ethnic Study of Atherosclerosis. *Journal of Psychiatric Research*, **2021**, 133, 119-124	5.2	1
13	Transgenerational effects of obesogenic diets in rodents: A meta-analysis. *Obesity Reviews*, **2022**, 23, e13342	10.6	1
12	The influence of maternal unhealthy diet on maturation of offspring gut microbiota in rat.. *Animal Microbiome*, **2022**, 4, 31	4.1	1
11	Fizzing out: No effect of acute carbohydrate consumption on mood. *Neuroscience and Biobehavioral Reviews*, **2019**, 104, 56-57	9	0
10	Tamoxifen offers long-term neuroprotection after hippocampal silent infarct in male rats. *Hormones and Behavior*, **2021**, 136, 105085	3.7	0
9	Peripheral Neuropathy Phenotyping in Rat Models of Type 2 Diabetes Mellitus: Evaluating Uptake of the Neurodiab Guidelines and Identifying Future Directions.. *Diabetes and Metabolism Journal*, **2022**, 46, 198-221	5	0
8	Developmental delay and late onset HBSL pathology in hypomorphic Dars1 mice.. *Neurochemical Research*, **2022**, 1	4.6	0
7	Adolescent exposure to a solid high-fat, high-sugar cafeteriaSdiet leads to more pronounced changes in metabolic measures and gut microbiome composition than liquid sugar in female rats.. *Appetite*, **2022**, 172, 105973	4.5	0
6	Peripheral adrenoceptors after sino-aortic denervation. *Clinical and Experimental Pharmacology and Physiology*, **1983**, 10, 341-4	3	
5	Absence of an insulin-evoked Fos response in C1 neurons from diabetic rats. *FASEB Journal*, **2008**, 22, 152-152	0.9	
4	Effects of High Fat Diet Induced Obesity on Mitochondrial Biogenesis and Function Impact of Exercise or Nicotinamide Mononucleotide (NMN). *FASEB Journal*, **2015**, 29, 777.8	0.9	
3	Increased NO-dependent dilation of rat arterioles in diet-induced obesity. *FASEB Journal*, **2010**, 24, lb537	0.9	
2	Overnutrition in Mothers and Appetite Regulators in Offspring **2011**, 1745-1757		
1	Mendacity: The Tendency to Lie or Deceive. A Cautionary Tale in Obesity Research, Stigma, and Headlining. *Frontiers in Endocrinology*, **2020**, 11, 598713	5.7	