Andrew A Butler

List of Publications by Year
in descending order

92 papers	11,136 citations	61857 43 h-index	49773 87 g-index
96 all docs	96 docs citations	96 times ranked	10213 citing authors

#	Article	IF	Citations
1	Role of adropin in reducing arterial stiffness in type 2 diabetes. FASEB Journal, 2022, 36, .	0.2	0
2	The Importance of Keeping Time in the Liver. Endocrinology, 2021, 162, .	1.4	8
3	Adropin correlates with aging-related neuropathology in humans and improves cognitive function in aging mice. Npj Aging and Mechanisms of Disease, 2021, 7, 23.	4.5	18
4	Adropin and insulin resistance: Integration of endocrine, circadian, and stress signals regulating glucose metabolism. Obesity, 2021, 29, 1799-1801.	1.5	13
5	Adropin transgenesis improves recognition memory in diet-induced obese LDLR-deficient C57BL/6J mice. Peptides, 2021, 146, 170678.	1.2	4
6	Neurovascular protection by adropin in experimental ischemic stroke through an endothelial nitric oxide synthase-dependent mechanism. Redox Biology, 2021, 48, 102197.	3.9	17
7	Hepatocyte expression of the micropeptide adropin regulates the liver fasting response and is enhanced by caloric restriction. Journal of Biological Chemistry, 2020, 295, 13753-13768.	1.6	19
8	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.	2.0	13
9	The peptide hormone adropin regulates signal transduction pathways controlling hepatic glucose metabolism in a mouse model of diet-induced obesity. Journal of Biological Chemistry, 2019, 294, 13366-13377.	1.6	52
10	Fructose-induced hypertriglyceridemia in rhesus macaques is attenuated with fish oil or ApoC3 RNA interference. Journal of Lipid Research, 2019, 60, 805-818.	2.0	19
11	Low plasma adropin concentrations increase risks of weight gain and metabolic dysregulation in response to a high-sugar diet in male nonhuman primates. Journal of Biological Chemistry, 2019, 294, 9706-9719.	1.6	45
12	Obestatin and adropin in Praderâ€Willi syndrome and nonsyndromic obesity: Associations with weight, BMIâ€z, and HOMAâ€IR. Pediatric Obesity, 2019, 14, e12493.	1.4	11
13	Doubled lifespan and patientâ€like pathologies in progeria mice fed highâ€fat diet. Aging Cell, 2019, 18, e12852.	3.0	23
14	Adropin: An endocrine link between the biological clock and cholesterol homeostasis. Molecular Metabolism, 2018, 8, 51-64.	3.0	69
15	Melanocortinâ€3 Receptors Expressed on Agoutiâ€Related Peptide Neurons Inhibit Feeding Behavior in Female Mice. Obesity, 2018, 26, 1849-1855.	1.5	5
16	Melanotan II causes hypothermia in mice by activation of mast cells and stimulation of histamine 1 receptors. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E357-E366.	1.8	7
17	Melanocortin-3 receptors expressed in Nkx2.1(+ve) neurons are sufficient for controlling appetitive responses to hypocaloric conditioning. Scientific Reports, 2017, 7, 44444.	1.6	17
18	A Life without Hunger: The Ups (and Downs) to Modulating Melanocortin-3 Receptor Signaling. Frontiers in Neuroscience, 2017, 11, 128.	1.4	25

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19	Inverse association between carbohydrate consumption and plasma adropin concentrations in humans. Obesity, 2016, 24, 1731-1740.	1.5	36
20	Melanocortin-3 receptors in the limbic system mediate feeding-related motivational responses during weight loss. Molecular Metabolism, 2016, 5, 566-579.	3.0	21
21	Adropin â€“ a circulating factor in metabolic control or a drop in the ocean?. Expert Review of Endocrinology and Metabolism, 2016, 11, 239-241.	1.2	5
22	Differential Responses of Plasma Adropin Concentrations To Dietary Glucose or Fructose Consumption In Humans. Scientific Reports, 2015, 5, 14691.	1.6	28
23	Segregation of Clock and Non-Clock Regulatory Functions of REV-ERB. Cell Metabolism, 2015, 22, 197-198.	7.2	7
24	Therapeutic effects of adropin on glucose tolerance and substrate utilization in diet-induced obese mice with insulin resistance. Molecular Metabolism, 2015, 4, 310-324.	3.0	132
25	SIRT1 in the Ventromedial Hypothalamus: A Nutrient Sensor Input Into the Internal Timekeeper. Endocrinology, 2015, 156, 1936-1938.	1.4	0
26	Unravelling the mysterious roles of melanocortin-3 receptors in metabolic homeostasis and obesity using mouse genetics. International Journal of Obesity Supplements, 2014, 4, S37-S44.	12.5	15
27	Assessing Interactions Between Ghsr and Mc3r Reveals a Role for AgRP in the Expression of Food Anticipatory Activity in Male Mice. Endocrinology, 2014, 155, 4843-4855.	1.4	18
28	Neural melanocortin receptors in obesity and related metabolic disorders. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 482-494.	1.8	94
29	Blocking Lactate Export by Inhibiting the Myc Target MCT1 Disables Glycolysis and Glutathione Synthesis. Cancer Research, 2014, 74, 908-920.	0.4	291
30	Regulation of Substrate Oxidation Preferences in Muscle by the Peptide Hormone Adropin. Diabetes, 2014, 63, 3242-3252.	0.3	86
31	Fasting plasma adropin concentrations correlate with fat consumption in human females. Obesity, 2014, 22, 1056-1063.	1.5	36
32	Biphasic Effect of Melanocortin Agonists on Metabolic Rate and Body Temperature. Cell Metabolism, 2014, 20, 333-345.	7.2	31
33	Hypothalamic malonyl-CoA and the control of food intake. Physiology and Behavior, 2013, 122, 17-24.	1.0	42
34	Melanocortin-3 Receptors and Metabolic Homeostasis. Progress in Molecular Biology and Translational Science, 2013, 114, 109-146.	0.9	31
35	More News About NUCB2/Nesfatin-1: A New Factor in the Hypothalamic Control of Glucose Homeostasis?: FIG. 1.. Diabetes, 2012, 61, 1920-1922.	0.3	3
36	Adropin Deficiency Is Associated With Increased Adiposity and Insulin Resistance. Obesity, 2012, 20, 1394-1402.	1.5	198

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37	Regulation of circadian behaviour and metabolism by synthetic REV-ERB agonists. Nature, 2012, 485, 62-68.	13.7	638
38	Low Circulating Adropin Concentrations with Obesity and Aging Correlate with Risk Factors for Metabolic Disease and Increase after Gastric Bypass Surgery in Humans. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 3783-3791.	1.8	145
39	Melanocortinâ€3 receptors are involved in adaptation to restricted feeding. Genes, Brain and Behavior, 2012, 11, 291-302.	1.1	48
40	Identification of SR3335 (ML-176): A Synthetic RORÎ± Selective Inverse Agonist. ACS Chemical Biology, 2011, 6, 218-222.	1.6	114
41	Homeostastic and non-homeostatic functions of melanocortin-3 receptors in the control of energy balance and metabolism. Physiology and Behavior, 2011, 104, 546-554.	1.0	26
42	Ovariectomy and genes encoding core circadian regulatory proteins in murine bone. Osteoporosis International, 2011, 22, 1633-1639.	1.3	8
43	Genetic Dissection of the Functions of the Melanocortin-3 Receptor, a Seven-transmembrane G-protein-coupled Receptor, Suggests Roles for Central and Peripheral Receptors in Energy Homeostasis. Journal of Biological Chemistry, 2011, 286, 40771-40781.	1.6	53
44	Melanocortin signaling in the CNS directly regulates circulating cholesterol. Nature Neuroscience, 2010, 13, 877-882.	7.1	86
45	A Recurring Problem With the Analysis of Energy Expenditure in Genetic Models Expressing Lean and Obese Phenotypes. Diabetes, 2010, 59, 323-329.	0.3	238
46	Central nervous system melanocortinâ€3 receptors are required for synchronizing metabolism during entrainment to restricted feeding during the light cycle. FASEB Journal, 2010, 24, 862-872.	0.2	43
47	Protein Malnutrition during Pregnancy in C57BL/6J Mice Results in Offspring with Altered Circadian Physiology before Obesity. Endocrinology, 2010, 151, 1570-1580.	1.4	64
48	The role of melanocortin neuronal pathways in circadian biology: a new homeostatic output involving melanocortinâ€3 receptors?. Obesity Reviews, 2009, 10, 14-24.	3.1	18
49	Analysis of the therapeutic functions of novel melanocortin receptor agonists in MC3R- and MC4R-deficient C57BL/6J mice. Peptides, 2009, 30, 1892-1900.	1.2	73
50	Obesity accelerates thymic aging. Blood, 2009, 114, 3803-3812.	0.6	253
51	A derivative of the melanocortin receptor antagonist SHU9119 (PG932) increases food intake when administered peripherally. Peptides, 2008, 29, 104-111.	1.2	18
52	Identification of Adropin as a Secreted Factor Linking Dietary Macronutrient Intake with Energy Homeostasis and Lipid Metabolism. Cell Metabolism, 2008, 8, 468-481.	7.2	369
53	Counterintuitive Effects of Double-Heterozygous Null Melanocortin-4 Receptor and Leptin Genes on Diet-Induced Obesity and Insulin Resistance in C57BL/6J Mice. Endocrinology, 2008, 149, 174-184.	1.4	26
54	The Melanocortin-3 Receptor Is Required for Entrainment to Meal Intake. Journal of Neuroscience, 2008, 28, 12946-12955.	1.7	120

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55	Presynaptic Melanocortin-4 Receptors on Vagal Afferent Fibers Modulate the Excitability of Rat Nucleus Tractus Solitarius Neurons. Journal of Neuroscience, 2008, 28, 4957-4966.	1.7	88
56	Serotonin 2C Receptor Agonists Improve Type 2 Diabetes via Melanocortin-4 Receptor Signaling Pathways. Cell Metabolism, 2007, 6, 398-405.	7.2	200
57	Role of Adiponectin and Inflammation in Insulin Resistance of Mc3r and Mc4r Knockout Mice. Obesity, 2007, 15, 2664-2672.	1.5	43
58	The central melanocortin system directly controls peripheral lipid metabolism. Journal of Clinical Investigation, 2007, 117, 3475-3488.	3.9	341
59	The melanocortin system and energy balance. Peptides, 2006, 27, 281-290.	1.2	161
60	Serotonin Reciprocally Regulates Melanocortin Neurons to Modulate Food Intake. Neuron, 2006, 51, 239-249.	3.8	345
61	Central receptors mediating the cardiovascular actions of melanocyte stimulating hormones. Journal of Hypertension, 2006, 24, 2239-2246.	0.3	80
62	Diet-Genotype Interactions in the Development of the Obese, Insulin-Resistant Phenotype of C57BL/6J Mice Lacking Melanocortin-3 or -4 Receptors. Endocrinology, 2006, 147, 2183-2196.	1.4	128
63	Double Leptin and Melanocortin-4 Receptor Gene Mutations Have an Additive Effect on Fat Mass and Are Associated with Reduced Effects of Leptin on Weight Loss and Food Intake. Endocrinology, 2005, 146, 4257-4265.	1.4	40
64	Impaired Coordination of Nutrient Intake and Substrate Oxidation in Melanocortin-4 Receptor Knockout Mice. Endocrinology, 2004, 145, 243-252.	1.4	94
65	Knockout Studies Defining Different Roles for Melanocortin Receptors in Energy Homeostasis. Annals of the New York Academy of Sciences, 2003, 994, 240-245.	1.8	100
66	Differential Role of Melanocortin Receptor Subtypes in Cachexia. Endocrinology, 2003, 144, 1513-1523.	1.4	124
67	A Role for the Endogenous Opioid Î²-Endorphin in Energy Homeostasis. Endocrinology, 2003, 144, 1753-1760.	1.4	150
68	Genetic disruption of Î³-melanocyteâ€“stimulating hormone signaling leads to salt-sensitive hypertension in the mouse. Journal of Clinical Investigation, 2003, 111, 1251-1258.	3.9	39
69	Genetic disruption of Î³-melanocyteâ€“stimulating hormone signaling leads to salt-sensitive hypertension in the mouse. Journal of Clinical Investigation, 2003, 111, 1251-1258.	3.9	58
70	Insulin-Like Growth Factor-I: Compartmentalization Within the Somatotropic Axis?. Physiology, 2002, 17, 82-85.	1.6	14
71	The melanocortin receptors: Lessons from knockout models. Neuropeptides, 2002, 36, 77-84.	0.9	199
72	Melanocortin pathway: animal models of obesity and disease. Annales D'Endocrinologie, 2002, 63, 121-4.	0.6	7

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73	Control of Growth by the Somatropic Axis: Growth Hormone and the Insulin-Like Growth Factors Have Related and Independent Roles. Annual Review of Physiology, 2001, 63, 141-164.	5.6	303
74	What is the role of circulating IGF-I?. Trends in Endocrinology and Metabolism, 2001, 12, 48-52.	3.1	157
75	Melanocortin-4 receptor is required for acute homeostatic responses to increased dietary fat. Nature Neuroscience, 2001, 4, 605-611.	7.1	302
76	Knockout models resulting in the development of obesity. Trends in Genetics, 2001, 17, S50-S54.	2.9	49
77	The Somatomedin Hypothesis: 2001. Endocrine Reviews, 2001, 22, 53-74.	8.9	1,045
78	A Unique Metalolic Sysdrone Causes Obesity in the Melanocortin-3 Receptor-Deficient Mouse. Endocrinology, 2000, 141, 3518-3521.	1.4	637
79	The Central Melanocortin System Can Directly Regulate Serum Insulin Levels*. Endocrinology, 2000, 141, 3072-3079.	1.4	267
80	Disproportionate Inhibition of Feeding in <i>A^y</i> Mice by Certain Stressors: A Cautionary Note. Neuroendocrinology, 2000, 72, 126-132.	1.2	45
81	Insulin-like Growth Factors in Pediatric Health and Disease. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 4355-4361.	1.8	40
82	Normal growth and development in the absence of hepatic insulin-like growth factor I. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7324-7329.	3.3	1,291
83	IGF-I Receptor Function. , 1999, , 143-163.		19
84	Insulin-like growth factor-I receptor signal transduction: at the interface between physiology and cell biology. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 121, 19-26.	0.7	219
85	Stimulation of tumor growth by recombinant human insulin-like growth factor-I (IGF-I) is dependent on the dose and the level of IGF-I receptor expression. Cancer Research, 1998, 58, 3021-7.	0.4	50
86	In Vivo Regulation of CrkII and CrkL Proto-oncogenes in the Uterus by Insulin-like Growth Factor-I. Journal of Biological Chemistry, 1997, 272, 27660-27664.	1.6	27
87	Growth hormone (GH) status regulates GH receptor and GH binding protein mRNA in a tissue- and transcript-specific manner but has no effect on insulin-like growth factor-I receptor mRNA in the rat. Molecular and Cellular Endocrinology, 1996, 116, 181-189.	1.6	26
88	IGF-I and IGF-binding protein-3 in plasma of GH-deficient rats. Journal of Endocrinology, 1996, 150, 67-76.	1.2	7
89	The effects of octreotide on GH receptor and IGF-I expression in the GH-deficient rat. Journal of Endocrinology, 1996, 149, 223-231.	1.2	24
90	Growth hormone (GH) and insulin-like growth factor-I (IGF-I) treatment of the GH-deficient dwarf rat: differential effects on IGF-I transcription start site expression in hepatic and extrahepatic tissues and lack of effect on type I IGF receptor mRNA expression. Molecular and Cellular Endocrinology, 1994, 101, 321-330.	1.6	27

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91	A Unique Metalolic Sysdrone Causes Obesity in the Melanocortin-3 Receptor-Deficient Mouse. , 0, .		182
92	Minireview: Tissue-Specific Versus Generalized Gene Targeting of the igf1 and igf1r Genes and Their Roles in Insulin-Like Growth Factor Physiology. , 0, .		53