

Roger Cone

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8776422/publications.pdf>

Version: 2024-02-01

76
papers

21,252
citations

46918

47
h-index

74018

75
g-index

82
all docs

82
docs citations

82
times ranked

11998
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted Disruption of the Melanocortin-4 Receptor Results in Obesity in Mice. <i>Cell</i> , 1997, 88, 131-141.	13.5	2,796
2	Leptin activates anorexigenic POMC neurons through a neural network in the arcuate nucleus. <i>Nature</i> , 2001, 411, 480-484.	13.7	2,008
3	Role of melanocortinerbic neurons in feeding and the agouti obesity syndrome. <i>Nature</i> , 1997, 385, 165-168.	13.7	1,765
4	The cloning of a family of genes that encode the melanocortin receptors. <i>Science</i> , 1992, 257, 1248-1251.	6.0	1,552
5	Anatomy and regulation of the central melanocortin system. <i>Nature Neuroscience</i> , 2005, 8, 571-578.	7.1	1,315
6	Agouti protein is an antagonist of the melanocyte-stimulating-hormone receptor. <i>Nature</i> , 1994, 371, 799-802.	13.7	999
7	Localization of the melanocortin-4 receptor (MC4-R) in neuroendocrine and autonomic control circuits in the brain.. <i>Molecular Endocrinology</i> , 1994, 8, 1298-1308.	3.7	896
8	Identification of a receptor for gamma melanotropin and other proopiomelanocortin peptides in the hypothalamus and limbic system.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 8856-8860.	3.3	673
9	Genome-wide association study identifies eight risk loci and implicates metabo-psychiatric origins for anorexia nervosa. <i>Nature Genetics</i> , 2019, 51, 1207-1214.	9.4	641
10	A Unique Metalolic Sysdrone Causes Obesity in the Melanocortin-3 Receptor-Deficient Mouse. <i>Endocrinology</i> , 2000, 141, 3518-3521.	1.4	637
11	Cloning and expression of human and rat Dt dopamine receptors. <i>Nature</i> , 1990, 347, 76-80.	13.7	580
12	Integration of NPY, AGRP, and Melanocortin Signals in the Hypothalamic Paraventricular Nucleus. <i>Neuron</i> , 1999, 24, 155-163.	3.8	569
13	Exocrine Gland Dysfunction in MC5-R-Deficient Mice: Evidence for Coordinated Regulation of Exocrine Gland Function by Melanocortin Peptides. <i>Cell</i> , 1997, 91, 789-798.	13.5	466
14	Cyclic lactam .alpha.-melanotropin analogs of Ac-Nle4-cyclo[Asp5,D-Phe7,Lys10]-.alpha.-melanocyte-stimulating hormone-(4-10)-NH2 with bulky aromatic amino acids at position 7 show high antagonist potency and selectivity at specific melanocortin receptors. <i>Journal of Medicinal Chemistry</i> , 1995, 38, 3454-3461.	2.9	353
15	Melanocortin-4 receptor is required for acute homeostatic responses to increased dietary fat. <i>Nature Neuroscience</i> , 2001, 4, 605-611.	7.1	302
16	A genome-wide association study of anorexia nervosa. <i>Molecular Psychiatry</i> , 2014, 19, 1085-1094.	4.1	282
17	The Central Melanocortin System Can Directly Regulate Serum Insulin Levels*. <i>Endocrinology</i> , 2000, 141, 3072-3079.	1.4	267
18	Fasting Induces a Large, Leptin-Dependent Increase in the Intrinsic Action Potential Frequency of Orexigenic Arcuate Nucleus Neuropeptide Y/Agouti-Related Protein Neurons. <i>Endocrinology</i> , 2005, 146, 1043-1047.	1.4	253

#	ARTICLE	IF	CITATIONS
19	The melanocortin receptors: agonists, antagonists, and the hormonal control of pigmentation. <i>Endocrine Reviews</i> , 1996, 51, 287-317; discussion 318.	7.1	238
20	Role of the central melanocortin system in cachexia. <i>Cancer Research</i> , 2001, 61, 1432-8.	0.4	234
21	Independent and Additive Effects of Central POMC and Leptin Pathways on Murine Obesity. <i>Science</i> , 1997, 278, 1641-1644.	6.0	223
22	Role of leptin and melanocortin signaling in uremia-associated cachexia. <i>Journal of Clinical Investigation</i> , 2005, 115, 1659-1665.	3.9	218
23	Characterization of the Neuroanatomical Distribution of Agouti-Related Protein Immunoreactivity in the Rhesus Monkey and the Rat*. <i>Endocrinology</i> , 1999, 140, 1408-1415.	1.4	205
24	A non-epistatic interaction of agouti and extension in the fox, <i>Vulpes vulpes</i> . <i>Nature Genetics</i> , 1997, 15, 311-315.	9.4	204
25	Evaluation of a melanocortin-4 receptor (MC4R) agonist (Setmelanotide) in MC4R deficiency. <i>Molecular Metabolism</i> , 2017, 6, 1321-1329.	3.0	200
26	Molecular and pharmacological characterization of dominant black coat color in sheep. <i>Mammalian Genome</i> , 1999, 10, 39-43.	1.0	194
27	A Colorimetric Assay for Measuring Activation of Gs- and Gq-Coupled Signaling Pathways. <i>Analytical Biochemistry</i> , 1995, 226, 349-354.	1.1	192
28	A Unique Metalloic Sysdrone Causes Obesity in the Melanocortin-3 Receptor-Deficient Mouse. , 0, .		182
29	G-protein-independent coupling of MC4R to Kir7.1 in hypothalamic neurons. <i>Nature</i> , 2015, 520, 94-98.	13.7	152
30	RM-493, a Melanocortin-4 Receptor (MC4R) Agonist, Increases Resting Energy Expenditure in Obese Individuals. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 1639-1645.	1.8	147
31	Structure Activity Studies of the Melanocortin-4 Receptor by in Vitro Mutagenesis:â€™% Identification of Agouti-Related Protein (AGRP), Melanocortin Agonist and Synthetic Peptide Antagonist Interaction Determinants. <i>Biochemistry</i> , 2001, 40, 6164-6179.	1.2	146
32	The Melanocortin-4 Receptor Is Expressed in Enteroendocrine L Cells and Regulates the Release of Peptide YY and Glucagon-like Peptide 1 In Vivo. <i>Cell Metabolism</i> , 2014, 20, 1018-1029.	7.2	139
33	Developmental Control of the Melanocortin-4 Receptor by MRAP2 Proteins in Zebrafish. <i>Science</i> , 2013, 341, 278-281.	6.0	136
34	Leptin signaling regulates glucose homeostasis, but not adipostasis, in the zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3084-3089.	3.3	136
35	Differential Role of Melanocortin Receptor Subtypes in Cachexia. <i>Endocrinology</i> , 2003, 144, 1513-1523.	1.4	124
36	Altered Expression of Agouti-Related Protein and Its Colocalization with Neuropeptide Y in the Arcuate Nucleus of the Hypothalamus during Lactation*. <i>Endocrinology</i> , 1999, 140, 2645-2650.	1.4	121

#	ARTICLE	IF	CITATIONS
37	The Melanocortin-3 Receptor Is Required for Entrainment to Meal Intake. <i>Journal of Neuroscience</i> , 2008, 28, 12946-12955.	1.7	120
38	60 YEARS OF POMC: Regulation of feeding and energy homeostasis by $\hat{\pm}$ -MSH. <i>Journal of Molecular Endocrinology</i> , 2016, 56, T157-T174.	1.1	118
39	Genetic Models of Obesity and Energy Balance in the Mouse. <i>Annual Review of Genetics</i> , 2000, 34, 687-745.	3.2	110
40	The regulation of food intake by selective stimulation of the type 3 melanocortin receptor (MC3R). <i>Peptides</i> , 2006, 27, 259-264.	1.2	100
41	Determination of the melanocortin-4 receptor structure identifies Ca ²⁺ as a cofactor for ligand binding. <i>Science</i> , 2020, 368, 428-433.	6.0	89
42	A Ligand-Mimetic Model for Constitutive Activation of the Melanocortin-1 Receptor. <i>Molecular Endocrinology</i> , 1998, 12, 592-604.	3.7	80
43	Mahogany (mg) stimulates feeding and increases basal metabolic rate independent of its suppression of agouti. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 12707-12712.	3.3	77
44	Body weight homeostat that regulates fat mass independently of leptin in rats and mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 427-432.	3.3	74
45	Central Melanocortins and the Regulation of Weight During Acute and Chronic Disease. <i>Endocrine Reviews</i> , 2001, 56, 359-376.	7.1	74
46	Regulation of Thyrotropin-Releasing Hormone-Expressing Neurons in Paraventricular Nucleus of the Hypothalamus by Signals of Adiposity. <i>Molecular Endocrinology</i> , 2010, 24, 2366-2381.	3.7	72
47	Characterization of melanocortin receptor subtype expression in murine adipose tissues and in the 3T3-L1 cell line. , 0, .		68
48	Melanocortin-3 receptor regulates the normal fasting response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1489-98.	3.3	67
49	MC3R links nutritional state to childhood growth and the timing of puberty. <i>Nature</i> , 2021, 599, 436-441.	13.7	59
50	Knockout models resulting in the development of obesity. <i>Trends in Genetics</i> , 2001, 17, S50-S54.	2.9	49
51	Altered Expression of Agouti-Related Protein and Its Colocalization with Neuropeptide Y in the Arcuate Nucleus of the Hypothalamus during Lactation. , 0, .		49
52	Regulation of energy rheostasis by the melanocortin-3 receptor. <i>Science Advances</i> , 2018, 4, eaat0866.	4.7	40
53	Agouti-Related Protein 2 Is a New Player in the Teleost Stress Response System. <i>Current Biology</i> , 2019, 29, 2009-2019.e7.	1.8	35
54	Behind melanocortin antagonist overexpression in the zebrafish brain: A behavioral and transcriptomic approach. <i>Hormones and Behavior</i> , 2016, 82, 87-100.	1.0	34

#	ARTICLE	IF	CITATIONS
55	The melanocortin-3 receptor is a pharmacological target for the regulation of anorexia. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	31
56	Novel hypophysiotropic AgRP2 neurons and pineal cells revealed by BAC transgenesis in zebrafish. <i>Scientific Reports</i> , 2017, 7, 44777.	1.6	30
57	Shared genetic risk between eating disorder and substance use related phenotypes: Evidence from genome-wide association studies. <i>Addiction Biology</i> , 2021, 26, e12880.	1.4	28
58	The Role of the Melanocortin Receptor in Cachexia. <i>Annals of the New York Academy of Sciences</i> , 2003, 994, 258-266.	1.8	25
59	A genome-wide association study of anorexia nervosa suggests a risk locus implicated in dysregulated leptin signaling. <i>Scientific Reports</i> , 2017, 7, 3847.	1.6	23
60	Obesity-associated mutant melanocortin receptors with normal G α coupling frequently exhibit other discoverable pharmacological and biochemical defects. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12795.	1.2	21
61	Histone deacetylase 6 inhibition restores leptin sensitivity and reduces obesity. <i>Nature Metabolism</i> , 2022, 4, 44-59.	5.1	20
62	G protein-coupled receptors differentially regulate glycosylation and activity of the inwardly rectifying potassium channel Kir7.1. <i>Journal of Biological Chemistry</i> , 2018, 293, 17739-17753.	1.6	14
63	Late onset obesity in mice with targeted deletion of potassium inward rectifier Kir7.1 from cells expressing the melanocortin receptor. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12670.	1.2	13
64	Structure-Based Design of Melanocortin 4 Receptor Ligands Based on the SHU-9119-hMC4R Cocrystal Structure. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 357-369.	2.9	12
65	Loss of the melanocortin-4 receptor in mice causes dilated cardiomyopathy. <i>ELife</i> , 2017, 6, .	2.8	12
66	Network dynamics of hypothalamic feeding neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	11
67	Membrane orientation and oligomerization of the melanocortin receptor accessory protein 2. <i>Journal of Biological Chemistry</i> , 2020, 295, 16370-16379.	1.6	10
68	Leptin Grows Up and Gets a Neural Network. <i>Neuron</i> , 2011, 71, 4-6.	3.8	8
69	A cellular basis for the munchies. <i>Nature</i> , 2015, 519, 38-40.	13.7	7
70	Organization of neural systems expressing melanocortin receptors in the mouse brain: Evidence for sexual dimorphism. <i>Journal of Comparative Neurology</i> , 2022, 530, 2835-2851.	0.9	7
71	Characterization of MC4R Regulation of the Kir7.1 Channel Using the Tl+ Flux Assay. <i>Methods in Molecular Biology</i> , 2018, 1684, 211-222.	0.4	6
72	Deletion of the Feeding-Induced Hepatokine TSK Ameliorates the Melanocortin Obesity Syndrome. <i>Diabetes</i> , 2021, 70, 2081-2091.	0.3	6

#	ARTICLE	IF	CITATIONS
73	Demonstration of a Common DPhe ⁷ to DNal(2â€²) ⁷ Peptide Ligand Antagonist Switch for Melanocortin-3 and Melanocortin-4 Receptors Identifies the Systematic Mischaracterization of the Pharmacological Properties of Melanocortin Peptides. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 5990-6000.	2.9	6
74	Functional variants of the melanocortin-4 receptor associated with the Odontoceti and Mysticeti suborders of cetaceans. <i>Scientific Reports</i> , 2017, 7, 5684.	1.6	4
75	Regulation of orexigenic AgRP neurons: A third way?. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 339-340.	3.1	3
76	Cardiac Phenotype and Tissue Sodium Content in Adolescents With Defects in the Melanocortin System. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 2606-2616.	1.8	3