

# Helgi Birgir Schiöth

## List of Publications by Year in descending order

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362  
papers

24,550  
citations

10986

71  
h-index

10158

140  
g-index

367  
all docs

367  
docs citations

367  
times ranked

25982  
citing authors

#	ARTICLE	IF	CITATIONS
1	The G-Protein-Coupled Receptors in the Human Genome Form Five Main Families. Phylogenetic Analysis, Paralogon Groups, and Fingerprints. <i>Molecular Pharmacology</i> , 2003, 63, 1256-1272.	2.3	2,525
2	Trends in GPCR drug discovery: new agents, targets and indications. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 829-842.	46.4	1,773
3	Structural diversity of G protein-coupled receptors and significance for drug discovery. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 339-357.	46.4	1,251
4	HMDB 5.0: the Human Metabolome Database for 2022. <i>Nucleic Acids Research</i> , 2022, 50, D622-D631.	14.5	736
5	Trends in the exploitation of novel drug targets. <i>Nature Reviews Drug Discovery</i> , 2011, 10, 579-590.	46.4	720
6	The Repertoire of G-Protein-Coupled Receptors in Fully Sequenced Genomes. <i>Molecular Pharmacology</i> , 2005, 67, 1414-1425.	2.3	518
7	Mapping the human membrane proteome: a majority of the human membrane proteins can be classified according to function and evolutionary origin. <i>BMC Biology</i> , 2009, 7, 50.	3.8	497
8	International Union of Basic and Clinical Pharmacology. XCIV. Adhesion G Protein-Coupled Receptors. <i>Pharmacological Reviews</i> , 2015, 67, 338-367.	16.0	392
9	Comprehensive repertoire and phylogenetic analysis of the G protein-coupled receptors in human and mouse. <i>Genomics</i> , 2006, 88, 263-273.	2.9	354
10	Trends in kinase drug discovery: targets, indications and inhibitor design. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 839-861.	46.4	340
11	The Obesity Gene, FTO, Is of Ancient Origin, Up-Regulated during Food Deprivation and Expressed in Neurons of Feeding-Related Nuclei of the Brain. <i>Endocrinology</i> , 2008, 149, 2062-2071.	2.8	309
12	The Druggable Genome: Evaluation of Drug Targets in Clinical Trials Suggests Major Shifts in Molecular Class and Indication. <i>Annual Review of Pharmacology and Toxicology</i> , 2014, 54, 9-26.	9.4	262
13	Seven evolutionarily conserved human rhodopsin G protein-coupled receptors lacking close relatives. <i>FEBS Letters</i> , 2003, 554, 381-388.	2.8	237
14	The GRAFS classification system of G-protein coupled receptors in comparative perspective. <i>General and Comparative Endocrinology</i> , 2005, 142, 94-101.	1.8	230
15	Loss of Function Mutations of the Human Melanocortin 1 Receptor Are Common and Are Associated with Red Hair. <i>Biochemical and Biophysical Research Communications</i> , 1999, 260, 488-491.	2.1	227
16	The human and mouse repertoire of the adhesion family of G-protein-coupled receptors. <i>Genomics</i> , 2004, 84, 23-33.	2.9	214
17	The Solute Carrier Families Have a Remarkably Long Evolutionary History with the Majority of the Human Families Present before Divergence of Bilaterian Species. <i>Molecular Biology and Evolution</i> , 2011, 28, 1531-1541.	8.9	182
18	Advances in kinase targeting: current clinical use and clinical trials. <i>Trends in Pharmacological Sciences</i> , 2014, 35, 604-620.	8.7	178

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19	The G protein-coupled receptor subset of the rat genome. <i>BMC Genomics</i> , 2007, 8, 338.	2.8	170
20	Recent developments of HDAC inhibitors: Emerging indications and novel molecules. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 4577-4597.	2.4	168
21	The Melanocortin System in Fugu: Determination of POMC/AGRP/MCR Gene Repertoire and Synteny, As Well As Pharmacology and Anatomical Distribution of the MCRs. <i>Molecular Biology and Evolution</i> , 2004, 21, 563-579.	8.9	164
22	Molecular Cloning, Pharmacological Characterization, and Brain Mapping of the Melanocortin 4 Receptor in the Goldfish: Involvement in the Control of Food Intake. <i>Endocrinology</i> , 2003, 144, 2336-2349.	2.8	161
23	G Protein-Coupled Receptor Deorphanizations. <i>Annual Review of Pharmacology and Toxicology</i> , 2013, 53, 127-146.	9.4	156
24	The Origin of GPCRs: Identification of Mammalian like Rhodopsin, Adhesion, Glutamate and Frizzled GPCRs in Fungi. <i>PLoS ONE</i> , 2012, 7, e29817.	2.5	152
25	Major pharmacological distinction of the ACTH receptor from other melanocortin receptors. <i>Life Sciences</i> , 1996, 59, 797-801.	4.3	151
26	The solute carrier (SLC) complement of the human genome: Phylogenetic classification reveals four major families. <i>FEBS Letters</i> , 2008, 582, 3811-3816.	2.8	150
27	Candidate mechanisms underlying the association between sleep-wake disruptions and Alzheimer's disease. <i>Sleep Medicine Reviews</i> , 2017, 31, 102-111.	8.5	149
28	Independent HHsearch, Needleman-Wunsch-Based, and Motif Analyses Reveal the Overall Hierarchy for Most of the G Protein-Coupled Receptor Families. <i>Molecular Biology and Evolution</i> , 2011, 28, 2471-2480.	8.9	145
29	Brain Insulin Signaling and Alzheimer's Disease: Current Evidence and Future Directions. <i>Molecular Neurobiology</i> , 2012, 46, 4-10.	4.0	145
30	The central melanocortin system regulates food intake in goldfish. <i>Regulatory Peptides</i> , 2003, 115, 101-113.	1.9	139
31	Sex differences in COVID-19: the role of androgens in disease severity and progression. <i>Endocrine</i> , 2021, 71, 3-8.	2.3	133
32	Genome wide analysis reveals association of a FTO gene variant with epigenetic changes. <i>Genomics</i> , 2012, 99, 132-137.	2.9	132
33	Acute Sleep Loss Induces Tissue-Specific Epigenetic and Transcriptional Alterations to Circadian Clock Genes in Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E1255-E1261.	3.6	132
34	Discovery of novel melanocortin4 receptor selective MSH analogues. <i>British Journal of Pharmacology</i> , 1998, 124, 75-82.	5.4	129
35	ACTH- and $\pm$ -MSH-induced grooming, stretching, yawning and penile erection in male rats: Site of action in the brain and role of melanocortin receptors. <i>Brain Research Bulletin</i> , 2000, 51, 425-431.	3.0	127
36	Characterisation of melanocortin receptor subtypes by radioligand binding analysis. <i>European Journal of Pharmacology</i> , 1995, 288, 311-317.	2.6	125

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37	Evolutionary origin of amino acid transporter families SLC32, SLC36 and SLC38 and physiological, pathological and therapeutic aspects. <i>Molecular Aspects of Medicine</i> , 2013, 34, 571-585.	6.4	125
38	Many obesity-associated SNPs strongly associate with DNA methylation changes at proximal promoters and enhancers. <i>Genome Medicine</i> , 2015, 7, 103.	8.2	124
39	Selective Antagonist for the Melanocortin 4 Receptor (HS014) Increases Food Intake in Free-Feeding Rats. <i>Biochemical and Biophysical Research Communications</i> , 1998, 245, 90-93.	2.1	121
40	The Adhesion GPCRs: A unique family of G protein-coupled receptors with important roles in both central and peripheral tissues. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 2104-2119.	5.4	119
41	Evidence for Expression of Melanocortin-1 Receptor in Human Sebocytes In Vitro and In Situ. <i>Journal of Investigative Dermatology</i> , 2002, 118, 533-539.	0.7	118
42	Evolutionary conservation of the structural, pharmacological, and genomic characteristics of the melanocortin receptor subtypes. <i>Peptides</i> , 2005, 26, 1886-1900.	2.4	116
43	Self-reported sleep disturbance is associated with Alzheimer's disease risk in men. <i>Alzheimer's and Dementia</i> , 2015, 11, 1090-1097.	0.8	116
44	A systematic review of resting-state functional-MRI studies in anorexia nervosa: Evidence for functional connectivity impairment in cognitive control and visuospatial and body-signal integration. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 71, 578-589.	6.1	112
45	There exist at least 30 human G-protein-coupled receptors with long Ser/Thr-rich N-termini. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 725-734.	2.1	109
46	One melanocortin-4 and two melanocortin-5 receptors from zebrafish show remarkable conservation in structure and pharmacology. <i>Journal of Neurochemistry</i> , 2002, 82, 6-18.	3.9	107
47	The Secretin GPCRs Descended from the Family of Adhesion GPCRs. <i>Molecular Biology and Evolution</i> , 2008, 26, 71-84.	8.9	107
48	Hypothalamic FTO is associated with the regulation of energy intake not feeding reward. <i>BMC Neuroscience</i> , 2009, 10, 129.	1.9	107
49	Major gender difference in association of FTO gene variant among severely obese children with obesity and obesity related phenotypes. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 476-482.	2.1	105
50	The G Protein-Coupled Receptor Subset of the Chicken Genome. <i>PLoS Computational Biology</i> , 2006, 2, e54.	3.2	104
51	The physiological role of melanocortin receptors. <i>Vitamins and Hormones</i> , 2001, 63, 195-232.	1.7	100
52	BDNF DNA methylation changes as a biomarker of psychiatric disorders: literature review and open access database analysis. <i>Behavioral and Brain Functions</i> , 2016, 12, 17.	3.3	100
53	Pharmacological Characterization of Loss of Function Mutations of the Human Melanocortin 1 Receptor That Are Associated with Red Hair. <i>Journal of Investigative Dermatology</i> , 2004, 123, 917-923.	0.7	98
54	Differential influence of a selective melanocortin MC4 receptor antagonist (HS014) on melanocortin-induced behavioral effects in rats. <i>European Journal of Pharmacology</i> , 1998, 362, 95-101.	3.5	95

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55	Collagen Metabolism Is a Novel Target of the Neuropeptide $\alpha$ -Melanocyte-stimulating Hormone. <i>Journal of Biological Chemistry</i> , 2004, 279, 6959-6966.	3.4	91
56	A debate on current eating disorder diagnoses in light of neurobiological findings: is it time for a spectrum model?. <i>BMC Psychiatry</i> , 2012, 12, 76.	2.6	90
57	The amphioxus ( <i>Branchiostoma floridae</i> ) genome contains a highly diversified set of G protein-coupled receptors. <i>BMC Evolutionary Biology</i> , 2008, 8, 9.	3.2	87
58	Novel human G protein-coupled receptors with long N-terminals containing GPS domains and Ser/Thr-rich regions. <i>FEBS Letters</i> , 2002, 531, 407-414.	2.8	86
59	Acute sleep loss results in tissue-specific alterations in genome-wide DNA methylation state and metabolic fuel utilization in humans. <i>Science Advances</i> , 2018, 4, eaar8590.	10.3	86
60	Gene Structure of the Goldfish Agouti-Signaling Protein: A Putative Role in the Dorsal-Ventral Pigment Pattern of Fish. <i>Endocrinology</i> , 2005, 146, 1597-1610.	2.8	85
61	Experimenter gender and replicability in science. <i>Science Advances</i> , 2018, 4, e1701427.	10.3	85
62	Selectivity of Cyclic [d-Nal7] and [d-Phe7] Substituted MSH Analogues for the Melanocortin Receptor Subtypes. <i>Peptides</i> , 1997, 18, 1009-1013.	2.4	84
63	Genome-wide analysis reveals DNA methylation markers that vary with both age and obesity. <i>Gene</i> , 2014, 548, 61-67.	2.2	83
64	Association of feather colour with constitutively active melanocortin 1 receptors in chicken. <i>FEBS Journal</i> , 2003, 270, 1441-1449.	0.2	82
65	The gene repertoire and the common evolutionary history of glutamate, pheromone (V2R), taste(1) and other related G protein-coupled receptors. <i>Gene</i> , 2005, 362, 70-84.	2.2	81
66	Redundancy of a Functional Melanocortin 1 Receptor in the Anti-inflammatory Actions of Melanocortin Peptides: Studies in the Recessive Yellow ( <i>e/e</i> ) Mouse Suggest an Important Role for Melanocortin 3 Receptor. <i>Journal of Immunology</i> , 2003, 170, 3323-3330.	0.8	80
67	Dietary fat quality impacts genome-wide DNA methylation patterns in a cross-sectional study of Greek preadolescents. <i>European Journal of Human Genetics</i> , 2015, 23, 654-662.	2.8	80
68	General Principles of Neuronal Co-transmission: Insights From Multiple Model Systems. <i>Frontiers in Neural Circuits</i> , 2018, 12, 117.	2.8	80
69	Evidence for involvement of the melanocortin MC4 receptor in the effects of leptin on food intake and body weight. <i>European Journal of Pharmacology</i> , 1998, 360, 15-19.	3.5	78
70	Determinants of Shortened, Disrupted, and Mistimed Sleep and Associated Metabolic Health Consequences in Healthy Humans. <i>Diabetes</i> , 2015, 64, 1073-1080.	0.6	77
71	Intranasal insulin in Alzheimer's disease: Food for thought. <i>Neuropharmacology</i> , 2018, 136, 196-201.	4.1	77
72	The Dispanins: A Novel Gene Family of Ancient Origin That Contains 14 Human Members. <i>PLoS ONE</i> , 2012, 7, e31961.	2.5	74

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73	The Melanocortin 4 Receptor Mediates Leptin Stimulation of Luteinizing Hormone and Prolactin Surges in Steroid-Primed Ovariectomized Rats. <i>Biochemical and Biophysical Research Communications</i> , 1999, 257, 860-864.	2.1	73
74	A Multilab Replication of the Ego Depletion Effect. <i>Social Psychological and Personality Science</i> , 2021, 12, 14-24.	3.9	73
75	Cloning, tissue distribution, pharmacology and three-dimensional modelling of melanocortin receptors 4 and 5 in rainbow trout suggest close evolutionary relationship of these subtypes. <i>Biochemical Journal</i> , 2004, 380, 475-486.	3.7	72
76	Chemical probes to potently and selectively inhibit endocannabinoid cellular reuptake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5006-E5015.	7.1	72
77	Long term orexigenic effect of a novel melanocortin 4 receptor selective antagonist. <i>British Journal of Pharmacology</i> , 1999, 126, 27-34.	5.4	70
78	Selective melanocortin MC4 receptor blockage reduces immobilization stress-induced anorexia in rats. <i>European Journal of Pharmacology</i> , 1999, 369, 11-15.	3.5	70
79	Melanocortins and reproduction. <i>Brain Research Reviews</i> , 2002, 38, 340-350.	9.0	69
80	Increased mRNA levels of tyrosine hydroxylase and dopamine transporter in the VTA of male rats after chronic food restriction. <i>European Journal of Neuroscience</i> , 2006, 23, 180-186.	2.6	69
81	Autoradiographic discrimination of melanocortin receptors indicates that the MC3 subtype dominates in the medial rat brain. <i>Brain Research</i> , 1998, 810, 161-171.	2.2	68
82	Kiwi genome provides insights into evolution of a nocturnal lifestyle. <i>Genome Biology</i> , 2015, 16, 147.	8.8	68
83	Synaptic changes induced by melanocortin signalling. <i>Nature Reviews Neuroscience</i> , 2014, 15, 98-110.	10.2	66
84	Nine new human Rhodopsin family G-protein coupled receptors: identification, sequence characterisation and evolutionary relationship. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1722, 235-246.	2.4	65
85	The obesity gene, TMEM18, is of ancient origin, found in majority of neuronal cells in all major brain regions and associated with obesity in severely obese children. <i>BMC Medical Genetics</i> , 2010, 11, 58.	2.1	65
86	The role of G protein-coupled receptors in the early evolution of neurotransmission and the nervous system. <i>Journal of Experimental Biology</i> , 2015, 218, 562-571.	1.7	65
87	Advances in the development of new biomarkers for Alzheimer's disease. <i>Translational Neurodegeneration</i> , 2022, 11, 25.	8.0	65
88	Modeling of the three-dimensional structure of the human melanocortin 1 receptor, using an automated method and docking of a rigid cyclic melanocyte-stimulating hormone core peptide. <i>Journal of Molecular Graphics and Modelling</i> , 1997, 15, 307-317.	2.4	64
89	Differential effects of melanocortin peptides on ingestive behaviour in rats: evidence against the involvement of MC3 receptor in the regulation of food intake. <i>Neuroscience Letters</i> , 2000, 283, 1-4.	2.1	64
90	Trends in Antidiabetic Drug Discovery: FDA Approved Drugs, New Drugs in Clinical Trials and Global Sales. <i>Frontiers in Pharmacology</i> , 2021, 12, 807548.	3.5	64

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91	Cloning of two melanocortin (MC) receptors in spiny dogfish. <i>FEBS Journal</i> , 2004, 271, 4320-4331.	0.2	63
92	The melanocortin receptor subtypes in chicken have high preference to ACTH-derived peptides. <i>British Journal of Pharmacology</i> , 2004, 143, 626-637.	5.4	63
93	Feed-forward mechanisms: Addiction-like behavioral and molecular adaptations in overeating. <i>Frontiers in Neuroendocrinology</i> , 2012, 33, 127-139.	5.2	63
94	Soluble ligands as drug targets. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 695-710.	46.4	63
95	Evidence That Orexigenic Effects of Melanocortin 4 Receptor Antagonist HS014 Are Mediated by Neuropeptide Y. <i>Biochemical and Biophysical Research Communications</i> , 1998, 248, 245-249.	2.1	62
96	Long-term administration of MC4 receptor antagonist HS014 causes hyperphagia and obesity in rats. <i>NeuroReport</i> , 1999, 10, 707-711.	1.2	62
97	Identification of novel splice variants of Adhesion G protein-coupled receptors. <i>Gene</i> , 2007, 387, 38-48.	2.2	62
98	Memory impairment induced by IL-1 $\beta$ is reversed by $\pm$ -MSH through central melanocortin-4 receptors. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 817-822.	4.1	61
99	Acute Sleep Deprivation Increases Serum Levels of Neuron-Specific Enolase (NSE) and S100 Calcium Binding Protein B (S-100B) in Healthy Young Men. <i>Sleep</i> , 2014, 37, 195-198.	1.1	60
100	Complexity of neural mechanisms underlying overconsumption of sugar in scheduled feeding: Involvement of opioids, orexin, oxytocin and NPY. <i>Peptides</i> , 2009, 30, 226-233.	2.4	59
101	Evidence That Physiological Levels of Circulating Leptin Exert a Stimulatory Effect on Luteinizing Hormone and Prolactin Surges in Rats. <i>Biochemical and Biophysical Research Communications</i> , 1999, 263, 162-165.	2.1	58
102	Functional characterization of two melanocortin (MC) receptors in lamprey showing orthology to the MC1 and MC4 receptor subtypes. <i>BMC Evolutionary Biology</i> , 2007, 7, 101.	3.2	58
103	Expression profile of the entire family of AdhesionG protein-coupled receptors in mouse and rat. <i>BMC Neuroscience</i> , 2008, 9, 43.	1.9	57
104	Heterologous Expression, Biosynthetic Studies, and Ecological Function of the Selective Gq $\alpha$ 6 Signaling Inhibitor FR900359. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 836-840.	13.8	57
105	The role of the melanocortin system and the melanocortin-4 receptor in ring dove ( <i>Streptopelia</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 100	2.2	56
106	Presence of melanocortin (MC4) receptor in spiny dogfish suggests an ancient vertebrate origin of central melanocortin system. <i>FEBS Journal</i> , 2003, 270, 213-221.	0.2	56
107	Food deprivation increases the expression of melanocortin-4 receptor in the liver of barfin flounder, <i>Verasper moseri</i> . <i>General and Comparative Endocrinology</i> , 2008, 155, 280-287.	1.8	56
108	Two hours of evening reading on a self-luminous tablet vs. reading a physical book does not alter sleep after daytime bright light exposure. <i>Sleep Medicine</i> , 2016, 23, 111-118.	1.6	56

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109	Melanocortin peptides affect the motivation to feed in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>General and Comparative Endocrinology</i> , 2009, 160, 134-138.	1.8	55
110	Glutamate, aspartate and nucleotide transporters in the SLC17 family form four main phylogenetic clusters: evolution and tissue expression. <i>BMC Genomics</i> , 2010, 11, 17.	2.8	54
111	The early origin of melanocortin receptors, agouti-related peptide, agouti signalling peptide, and melanocortin receptor-accessory proteins, with emphasis on pufferfishes, elephant shark, lampreys, and amphioxus. <i>European Journal of Pharmacology</i> , 2011, 660, 61-69.	3.5	54
112	Neurological manifestations of COVID-19: A comprehensive literature review and discussion of mechanisms. <i>Journal of Neuroimmunology</i> , 2021, 358, 577658.	2.3	52
113	Deletions of the N-terminal regions of the human melanocortin receptors. <i>FEBS Letters</i> , 1997, 410, 223-228.	2.8	51
114	Inflammatory markers in late pregnancy in association with postpartum depression – A nested case-control study. <i>Psychoneuroendocrinology</i> , 2017, 79, 146-159.	2.7	51
115	Origin of the prolactin-releasing hormone (PRLH) receptors: Evidence of coevolution between PRLH and a redundant neuropeptide Y receptor during vertebrate evolution. <i>Genomics</i> , 2005, 85, 688-703.	2.9	50
116	Long evolutionary conservation and considerable tissue specificity of several atypical solute carrier transporters. <i>Gene</i> , 2011, 478, 11-18.	2.2	50
117	Remarkable similarities between the hemichordate ( <i>Saccoglossus kowalevskii</i> ) and vertebrate GPCR repertoire. <i>Gene</i> , 2013, 526, 122-133.	2.2	50
118	Obesity-Linked Homologues TfAP-2 and Twz Establish Meal Frequency in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2014, 10, e1004499.	3.5	50
119	Epigenomics of Total Acute Sleep Deprivation in Relation to Genome-Wide DNA Methylation Profiles and RNA Expression. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 334-342.	2.0	50
120	Lower inflammatory markers in women with antenatal depression brings the M1/M2 balance into focus from a new direction. <i>Psychoneuroendocrinology</i> , 2017, 80, 15-25.	2.7	48
121	Binding of cyclic and linear MSH core peptides to the melanocortin receptor subtypes. <i>European Journal of Pharmacology</i> , 1997, 319, 369-373.	3.5	47
122	The G protein-coupled receptor subset of the dog genome is more similar to that in humans than rodents. <i>BMC Genomics</i> , 2009, 10, 24.	2.8	47
123	Acute sleep deprivation in healthy young men: Impact on population diversity and function of circulating neutrophils. <i>Brain, Behavior, and Immunity</i> , 2014, 41, 162-172.	4.1	47
124	Molecular cloning, characterization and brain mapping of the melanocortin 5 receptor in the goldfish. <i>Journal of Neurochemistry</i> , 2003, 87, 1354-1367.	3.9	46
125	What model organisms and interactomics can reveal about the genetics of human obesity. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3819-3834.	5.4	45
126	Roles of the melanocortin-4 receptor in antipyretic and hyperthermic actions of centrally administered $\pm$ -MSH. <i>Brain Research</i> , 2004, 1001, 150-158.	2.2	44



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127	Alpha-Melanocyte-Stimulating Hormone through Melanocortin-4 Receptor Inhibits Nitric Oxide Synthase and Cyclooxygenase Expression in the Hypothalamus of Male Rats. <i>Neuroendocrinology</i> , 2004, 79, 278-286.	2.5	44
128	Sleep restriction alters plasma endocannabinoids concentrations before but not after exercise in humans. <i>Psychoneuroendocrinology</i> , 2016, 74, 258-268.	2.7	43
129	An obesity-associated risk allele within the <i>FTO</i> gene affects human brain activity for areas important for emotion, impulse control and reward in response to food images. <i>European Journal of Neuroscience</i> , 2016, 43, 1173-1180.	2.6	43
130	Epigenetic Changes in the CRH Gene are Related to Severity of Suicide Attempt and a General Psychiatric Risk Score in Adolescents. <i>EBioMedicine</i> , 2018, 27, 123-133.	6.1	43
131	Orphan Drugs and Their Impact on Pharmaceutical Development. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 525-535.	8.7	43
132	Remarkable synteny conservation of melanocortin receptors in chicken, human, and other vertebrates. <i>Genomics</i> , 2003, 81, 504-509.	2.9	42
133	High Affinity Agonistic Metal Ion Binding Sites within the Melanocortin 4 Receptor Illustrate Conformational Change of Transmembrane Region 3. <i>Journal of Biological Chemistry</i> , 2003, 278, 51521-51526.	3.4	42
134	The GPCR repertoire in the demosponge <i>Amphimedon queenslandica</i> : insights into the GPCR system at the early divergence of animals. <i>BMC Evolutionary Biology</i> , 2014, 14, 270.	3.2	42
135	Fat Mass and Obesity-Associated Gene ( <i>FTO</i> ) Is Linked to Higher Plasma Levels of the Hunger Hormone Ghrelin and Lower Serum Levels of the Satiety Hormone Leptin in Older Adults. <i>Diabetes</i> , 2014, 63, 3955-3959.	0.6	42
136	Associations of self-reported sleep disturbance and duration with academic failure in community-dwelling Swedish adolescents: Sleep and academic performance at school. <i>Sleep Medicine</i> , 2015, 16, 87-93.	1.6	42
137	Analysis of the network of feeding neuroregulators using the Allen Brain Atlas. <i>Neuroscience and Biobehavioral Reviews</i> , 2008, 32, 945-956.	6.1	41
138	BDNF Polymorphisms Are Linked to Poorer Working Memory Performance, Reduced Cerebellar and Hippocampal Volumes and Differences in Prefrontal Cortex in a Swedish Elderly Population. <i>PLoS ONE</i> , 2014, 9, e82707.	2.5	40
139	Subliminal versus supraliminal stimuli activate neural responses in anterior cingulate cortex, fusiform gyrus and insula: a meta-analysis of fMRI studies. <i>BMC Psychology</i> , 2014, 2, 52.	2.1	40
140	Dissection of the Anti-Inflammatory Effect of the Core and C-Terminal (KPV) $\pm$ -Melanocyte-Stimulating Hormone Peptides. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 306, 631-637.	2.5	39
141	Association between shift work history and performance on the trail making test in middle-aged and elderly humans: the EpiHealth study. <i>Neurobiology of Aging</i> , 2016, 45, 23-29.	3.1	39
142	Agouti-related peptide prevents steroid-induced luteinizing hormone and prolactin surges in female rats. <i>NeuroReport</i> , 2001, 12, 687-690.	1.2	38
143	The melanin-concentrating hormone receptor 2 (MCH-R2) mediates the effect of MCH to control body color for background adaptation in the barfin flounder. <i>General and Comparative Endocrinology</i> , 2007, 151, 210-219.	1.8	38
144	The common <i>FTO</i> variant rs9939609 is not associated with BMI in a longitudinal study on a cohort of Swedish men born 1920-1924. <i>BMC Medical Genetics</i> , 2009, 10, 131.	2.1	38

#	ARTICLE	IF	CITATIONS
145	Functional specialization in nucleotide sugar transporters occurred through differentiation of the gene cluster EamA (DUF6) before the radiation of Viridiplantae. <i>BMC Evolutionary Biology</i> , 2011, 11, 123.	3.2	37
146	Agouti-Related Proteins (AGRPs) and Agouti-Signaling Peptide (ASIP) in Fish and Chicken. <i>Annals of the New York Academy of Sciences</i> , 2005, 1040, 363-367.	3.8	36
147	Differential expressions of melanocortin receptor subtypes in melanophores and xanthophores of barfin flounder. <i>General and Comparative Endocrinology</i> , 2010, 168, 133-142.	1.8	35
148	Subliminal food images compromise superior working memory performance in women with restricting anorexia nervosa. <i>Consciousness and Cognition</i> , 2012, 21, 751-763.	1.5	35
149	Evolutionary hierarchy of vertebrate-like heterotrimeric G protein families. <i>Molecular Phylogenetics and Evolution</i> , 2015, 91, 27-40.	2.7	35
150	Resting-state brain connectivity changes in obese women after Roux-en-Y gastric bypass surgery: A longitudinal study. <i>Scientific Reports</i> , 2017, 7, 6616.	3.3	35
151	Avian Melanocortin System: $\alpha$ -MSH May Act as an Autocrine/Paracrine Hormone. <i>Annals of the New York Academy of Sciences</i> , 2003, 994, 366-372.	3.8	34
152	Feeding responses to a melanocortin agonist and antagonist in obesity induced by a palatable high-fat diet. <i>Brain Research</i> , 2005, 1039, 137-145.	2.2	34
153	The evolutionary history and tissue mapping of GPR123: specific CNS expression pattern predominantly in thalamic nuclei and regions containing large pyramidal cells. <i>Journal of Neurochemistry</i> , 2007, 100, 1129-1142.	3.9	34
154	microRNA-192 suppresses the expression of the farnesoid X receptor. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G1044-G1051.	3.4	34
155	Corticotropin-releasing factor (CRF) induced anorexia is not influenced by a melanocortin 4 receptor blockage. <i>Peptides</i> , 1999, 20, 509-513.	2.4	33
156	Watching TV and Food Intake: The Role of Content. <i>PLoS ONE</i> , 2014, 9, e100602.	2.5	33
157	Selective properties of C- and N-terminals and core residues of the melanocyte-stimulating hormone on binding to the human melanocortin receptor subtypes. <i>European Journal of Pharmacology</i> , 1998, 349, 359-366.	3.5	32
158	Melanocortin receptor agonist transiently increases oxygen consumption in rats. <i>NeuroReport</i> , 2001, 12, 3703-3708.	1.2	32
159	Classification, Nomenclature, and Structural Aspects of Adhesion GPCRs. <i>Handbook of Experimental Pharmacology</i> , 2016, 234, 15-41.	1.8	32
160	Methylation of HPA axis related genes in men with hypersexual disorder. <i>Psychoneuroendocrinology</i> , 2017, 80, 67-73.	2.7	32
161	The Role of Working Memory for Cognitive Control in Anorexia Nervosa versus Substance Use Disorder. <i>Frontiers in Psychology</i> , 2017, 8, 1651.	2.1	32
162	Growth hormone secretagogue receptor signalling affects high-fat intake independently of plasma levels of ghrelin and $\text{LEAP-2}$ , in a 4-day binge eating model. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12785.	2.6	32

#	ARTICLE	IF	CITATIONS
163	Chimeric Melanocortin MC1 and MC3 Receptors: Identification of Domains Participating in Binding of Melanocyte-Stimulating Hormone Peptides. <i>Molecular Pharmacology</i> , 1998, 54, 154-161.	2.3	31
164	Comparison of the current RefSeq, Ensembl and EST databases for counting genes and gene discovery. <i>FEBS Letters</i> , 2005, 579, 690-698.	2.8	31
165	The Adhesion GPCR GPR125 is specifically expressed in the choroid plexus and is upregulated following brain injury. <i>BMC Neuroscience</i> , 2008, 9, 97.	1.9	31
166	Defining the gene repertoire and spatiotemporal expression profiles of adhesion G protein-coupled receptors in zebrafish. <i>BMC Genomics</i> , 2015, 16, 62.	2.8	31
167	Chenodeoxycholic acid significantly impacts the expression of miRNAs and genes involved in lipid, bile acid and drug metabolism in human hepatocytes. <i>Life Sciences</i> , 2016, 156, 47-56.	4.3	31
168	A Genetic Risk Score Is Associated with Weight Loss Following Roux-en Y Gastric Bypass Surgery. <i>Obesity Surgery</i> , 2016, 26, 2183-2189.	2.1	31
169	A resting-state fMRI study of obese females between pre- and postprandial states before and after bariatric surgery. <i>European Journal of Neuroscience</i> , 2017, 45, 333-341.	2.6	31
170	The Adhesion GPCRs; Gene Repertoire, Phylogeny and Evolution. <i>Advances in Experimental Medicine and Biology</i> , 2010, 706, 1-13.	1.6	30
171	Pharmacological comparison of rat and human melanocortin 3 and 4 receptors in vitro. <i>Regulatory Peptides</i> , 2002, 106, 7-12.	1.9	29
172	Inverse association of high-fat diet preference and anxiety-like behavior: a putative role for urocortin 2. <i>Genes, Brain and Behavior</i> , 2009, 8, 193-202.	2.2	29
173	Resting-State Brain and the FTO Obesity Risk Allele: Default Mode, Sensorimotor, and Salience Network Connectivity Underlying Different Somatosensory Integration and Reward Processing between Genotypes. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 52.	2.0	29
174	Altered cerebellar-insular-parietal-cingular subnetwork in adolescents in the earliest stages of anorexia nervosa: a network-based statistic analysis. <i>Translational Psychiatry</i> , 2018, 8, 127.	4.8	29
175	Formation of new genes explains lower intron density in mammalian Rhodopsin G protein-coupled receptors. <i>Molecular Phylogenetics and Evolution</i> , 2007, 43, 864-880.	2.7	28
176	Î±-Melanocyte-stimulating hormone (Î±-MSH) reverses impairment of memory reconsolidation induced by interleukin-1 beta (IL-1 beta) hippocampal infusions. <i>Peptides</i> , 2010, 31, 2141-2144.	2.4	28
177	Expression of Functional Melanocortin 1 Receptors in Insect Cells. <i>Biochemical and Biophysical Research Communications</i> , 1996, 221, 807-814.	2.1	27
178	Identification of domains responsible for specific membrane transport and ligand specificity of the ACTH receptor (MC2R). <i>Molecular and Cellular Endocrinology</i> , 2010, 321, 175-183.	3.2	27
179	Anxiety Disorders are Associated with Low Socioeconomic Status in Women but Not in Men. <i>Women's Health Issues</i> , 2017, 27, 302-307.	2.0	27
180	Limbic-thalamo-cortical projections and reward-related circuitry integrity affects eating behavior: A longitudinal DTI study in adolescents with restrictive eating disorders. <i>PLoS ONE</i> , 2017, 12, e0172129.	2.5	27

#	ARTICLE	IF	CITATIONS
181	Brain and Cognitive Development in Adolescents with Anorexia Nervosa: A Systematic Review of fMRI Studies. <i>Nutrients</i> , 2019, 11, 1907.	4.1	27
182	Pharmacological treatment of migraine: Drug classes, mechanisms of action, clinical trials and new treatments. <i>British Journal of Pharmacology</i> , 2021, 178, 4588-4607.	5.4	27
183	G Protein-Coupled Receptors in Regulation of Body Weight. <i>CNS and Neurological Disorders - Drug Targets</i> , 2006, 5, 241-249.	1.4	27
184	Genetic algorithm for large-scale maximum parsimony phylogenetic analysis of proteins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1725, 19-29.	2.4	26
185	Melanocortin receptor subtypes in interrenal cells and corticotropic activity of $\beta$ -melanocyte-stimulating hormones in barfin flounder, <i>Verasper moseri</i> . <i>General and Comparative Endocrinology</i> , 2011, 170, 558-568.	1.8	26
186	Recurrent Sleep Fragmentation Induces Insulin and Neuroprotective Mechanisms in Middle-Aged Flies. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 180.	3.4	26
187	The Drosophila ETV5 Homologue Ets96B: Molecular Link between Obesity and Bipolar Disorder. <i>PLoS Genetics</i> , 2016, 12, e1006104.	3.5	26
188	CCAP regulates feeding behavior via the NPF pathway in Drosophila adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7401-7408.	7.1	26
189	Insights into the Origin of Nematode Chemosensory GPCRs: Putative Orthologs of the Srw Family Are Found across Several Phyla of Protostomes. <i>PLoS ONE</i> , 2014, 9, e93048.	2.5	26
190	The role of hypothalamic peptide gene expression in alcohol self-administration behavior. <i>Peptides</i> , 2007, 28, 2361-2371.	2.4	25
191	Dibutyl Phthalate Exposure Disrupts Evolutionarily Conserved Insulin and Glucagon-Like Signaling in Drosophila Males. <i>Endocrinology</i> , 2016, 157, 2309-2321.	2.8	25
192	A single night of sleep loss impairs objective but not subjective working memory performance in a sex-dependent manner. <i>Journal of Sleep Research</i> , 2019, 28, e12651.	3.2	25
193	Association of TMEM18 variants with BMI and waist circumference in children and correlation of mRNA expression in the PFC with body weight in rats. <i>European Journal of Human Genetics</i> , 2012, 20, 192-197.	2.8	24
194	Altered thalamo-cortical and occipital-parietal-temporal-frontal white matter connections in patients with anorexia and bulimia nervosa: a systematic review of diffusion tensor imaging studies. <i>Journal of Psychiatry and Neuroscience</i> , 2019, 44, 324-339.	2.4	24
195	Characterisation of D117A and H260A mutations in the melanocortin 1 receptor. <i>Molecular and Cellular Endocrinology</i> , 1997, 126, 213-219.	3.2	23
196	Functional Role, Structure, and Evolution of the Melanocortin-4 Receptor. <i>Annals of the New York Academy of Sciences</i> , 2003, 994, 74-83.	3.8	23
197	Polymorphisms in FTO and near TMEM18 associate with type 2 diabetes and predispose to younger age at diagnosis of diabetes. <i>Gene</i> , 2013, 527, 462-468.	2.2	23
198	Ghrelin effects expression of several genes associated with depression-like behavior. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 56, 227-234.	4.8	23

#	ARTICLE	IF	CITATIONS
199	Effect of repeated administration of prolactin releasing peptide on feeding behavior in rats. <i>Brain Research</i> , 2002, 955, 207-213.	2.2	22
200	Role of MC4 receptors in the depressor and bradycardic effects of $\hat{\pm}$ -MSH in the nucleus tractus solitarii of the rat. <i>NeuroReport</i> , 2003, 14, 703-707.	1.2	22
201	High Diversity in Functional Properties of Melanocortin 1 Receptor (MC1R) in Divergent Primate Species Is More Strongly Associated with Phylogeny than Coat Color. <i>Molecular Biology and Evolution</i> , 2007, 24, 2001-2008.	8.9	22
202	Mining the gene repertoire and ESTs for G protein-coupled receptors with evolutionary perspective. <i>Acta Physiologica</i> , 2007, 190, 21-31.	3.8	22
203	Scrutinizing the FTO locus: compelling evidence for a complex, long-range regulatory context. <i>Human Genetics</i> , 2015, 134, 1183-1193.	3.8	22
204	One-night sleep deprivation induces changes in the DNA methylation and serum activity indices of stearoyl-CoA desaturase in young healthy men. <i>Lipids in Health and Disease</i> , 2016, 15, 137.	3.0	22
205	A genetic risk score is differentially associated with migraine with and without aura. <i>Human Genetics</i> , 2017, 136, 999-1008.	3.8	22
206	Significantly altered peripheral blood cell DNA methylation profile as a result of immediate effect of metformin use in healthy individuals. <i>Clinical Epigenetics</i> , 2018, 10, 156.	4.1	22
207	Olesoxime in neurodegenerative diseases: Scrutinising a promising drug candidate. <i>Biochemical Pharmacology</i> , 2019, 168, 305-318.	4.4	22
208	Low neuroticism and cognitive performance are differently associated to overweight and obesity: A cross-sectional and longitudinal UK Biobank study. <i>Psychoneuroendocrinology</i> , 2019, 101, 167-174.	2.7	22
209	Identification of synergistic and antagonistic actions of environmental pollutants: Bisphenols A, S and F in the presence of DEP, DBP, BADGE and BADGE $\hat{\cdot}$ 2HCl in three component mixtures. <i>Science of the Total Environment</i> , 2021, 767, 144286.	8.0	22
210	Thyrotropin releasing hormone (TRH) selectively binds and activates the melanocortin 1 receptor. <i>Peptides</i> , 1999, 20, 395-400.	2.4	21
211	Further evidence for ancient role of ACTH peptides at melanocortin (MC) receptors; pharmacology of dogfish and lamprey peptides at dogfish MC receptors. <i>Peptides</i> , 2007, 28, 798-805.	2.4	21
212	A targeted analysis reveals relevant shifts in the methylation and transcription of genes responsible for bile acid homeostasis and drug metabolism in non-alcoholic fatty liver disease. <i>BMC Genomics</i> , 2016, 17, 462.	2.8	21
213	A MIR4646 associated methylation locus is hypomethylated in adolescent depression. <i>Journal of Affective Disorders</i> , 2017, 220, 117-128.	4.1	21
214	Activation of central melanocortin-4 receptor suppresses lipopolysaccharide-induced fever in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 284, R1595-R1603.	1.8	20
215	Methylation Levels of SLC23A2 and NCOR2 Genes Correlate with Spinal Muscular Atrophy Severity. <i>PLoS ONE</i> , 2015, 10, e0121964.	2.5	20
216	IL-1 $\hat{\beta}$ reduces GluA1 phosphorylation and its surface expression during memory reconsolidation and $\hat{\pm}$ -melanocyte-stimulating hormone can modulate these effects. <i>Neuropharmacology</i> , 2018, 128, 314-323.	4.1	20

#	ARTICLE	IF	CITATIONS
217	The Cognitive Effects of Statins are Modified by Age. <i>Scientific Reports</i> , 2020, 10, 6187.	3.3	20
218	High efficacy of onabotulinumtoxinA treatment in patients with comorbid migraine and depression: a meta-analysis. <i>Journal of Translational Medicine</i> , 2021, 19, 133.	4.4	20
219	Dissecting the Molecular Mechanisms Surrounding Post-COVID-19 Syndrome and Neurological Features. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4275.	4.1	20
220	Novel selective melanocortin 4 receptor antagonist induces food intake after peripheral administration. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 399-405.	2.1	19
221	Identification of somatostatin receptor type 5 gene polymorphisms associated with acromegaly. <i>European Journal of Endocrinology</i> , 2011, 165, 517-525.	3.7	19
222	Comprehensive analysis of localization of 78 solute carrier genes throughout the subsections of the rat gastrointestinal tract. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 702-707.	2.1	19
223	Insulin to treat Alzheimer's disease: just follow your nose?. <i>Expert Review of Clinical Pharmacology</i> , 2012, 5, 17-20.	3.1	19
224	The <i>Drosophila</i> ortholog of TMEM18 regulates insulin and glucagon-like signaling. <i>Journal of Endocrinology</i> , 2016, 229, 233-243.	2.6	19
225	High leptin levels are associated with migraine with aura. <i>Cephalalgia</i> , 2017, 37, 435-441.	3.9	19
226	Evidence that genes involved in hedgehog signaling are associated with both bipolar disorder and high BMI. <i>Translational Psychiatry</i> , 2019, 9, 315.	4.8	19
227	Opportunities and challenges for drug discovery in modulating Adhesion G protein-coupled receptor (GPCR) functions. <i>Expert Opinion on Drug Discovery</i> , 2020, 15, 1291-1307.	5.0	19
228	meQTL and ncRNA functional analyses of 102 GWAS-SNPs associated with depression implicate HACE1 and SHANK2 genes. <i>Clinical Epigenetics</i> , 2020, 12, 99.	4.1	19
229	Personality, lifestyle and job satisfaction: causal association between neuroticism and job satisfaction using Mendelian randomisation in the UK biobank cohort. <i>Translational Psychiatry</i> , 2020, 10, 11.	4.8	19
230	Detailed Analysis of Variants in FTO in Association with Body Composition in a Cohort of 70-Year-Olds Suggests a Weakened Effect among Elderly. <i>PLoS ONE</i> , 2011, 6, e20158.	2.5	19
231	HPA axis dysregulation is associated with differential methylation of CpG-sites in related genes. <i>Scientific Reports</i> , 2021, 11, 20134.	3.3	19
232	Evidence Indicating That the TM4, EL2, and TM5 of the Melanocortin 3 Receptor Do Not Participate in Ligand Binding. <i>Biochemical and Biophysical Research Communications</i> , 1996, 229, 687-692.	2.1	18
233	Further evidence for a significant participation of the melanocortin 4 receptor in the preovulatory prolactin surge in the rat. <i>Brain Research Bulletin</i> , 2001, 54, 521-525.	3.0	18
234	Expansion of the Superfamily of G-Protein-Coupled Receptors in Chordates. <i>Annals of the New York Academy of Sciences</i> , 2005, 1040, 89-94.	3.8	18

#	ARTICLE	IF	CITATIONS
235	Fto immunoreactivity is widespread in the rodent brain and abundant in feeding-related sites, but the number of Fto-positive cells is not affected by changes in energy balance. <i>Physiology and Behavior</i> , 2011, 103, 248-253.	2.1	18
236	The Role of FTO and Vitamin D for the Weight Loss Effect of Roux-en-Y Gastric Bypass Surgery in Obese Patients. <i>Obesity Surgery</i> , 2015, 25, 2071-2077.	2.1	18
237	Longitudinal genome-wide methylation study of Roux-en-Y gastric bypass patients reveals novel CpG sites associated with essential hypertension. <i>BMC Medical Genomics</i> , 2016, 9, 20.	1.5	18
238	Rodent and fly models in behavioral neuroscience: An evaluation of methodological advances, comparative research, and future perspectives. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 120, 1-12.	6.1	18
239	Depression and Vegetarians: Association between Dietary Vitamin B6, B12 and Folate Intake and Global and Subcortical Brain Volumes. <i>Nutrients</i> , 2021, 13, 1790.	4.1	18
240	Differential DNA Methylation of the Genes for Amyloid Precursor Protein, Tau, and Neurofilaments in Human Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 1679-1688.	3.4	18
241	Postprandial alterations in whole-blood DNA methylation are mediated by changes in white blood cell composition. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 518-525.	4.7	17
242	NAFLD is associated with methylation shifts with relevance for the expression of genes involved in lipoprotein particle composition. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 314-323.	2.4	17
243	Plasma levels of leptin and adiponectin and depressive symptoms in young adults. <i>Psychiatry Research</i> , 2019, 272, 1-7.	3.3	17
244	Review of the Neural Processes of Working Memory Training: Controlling the Impulse to Throw the Baby Out With the Bathwater. <i>Frontiers in Psychiatry</i> , 2020, 11, 512761.	2.6	17
245	Identification of Distant Agouti-Like Sequences and Re-Evaluation of the Evolutionary History of the Agouti-Related Peptide (AgRP). <i>PLoS ONE</i> , 2012, 7, e40982.	2.5	17
246	Association between a rare SNP in the second intron of human Agouti related protein gene and increased BMI. <i>BMC Medical Genetics</i> , 2009, 10, 63.	2.1	16
247	Melanocortin 4 receptor activation inhibits presynaptic N-type calcium channels in amygdaloid complex neurons. <i>European Journal of Neuroscience</i> , 2014, 40, 2755-2765.	2.6	16
248	Highly diversified expansions shaped the evolution of membrane bound proteins in metazoans. <i>Scientific Reports</i> , 2017, 7, 12387.	3.3	16
249	Changes in methylation within the STK32B promoter are associated with an increased risk for generalized anxiety disorder in adolescents. <i>Journal of Psychiatric Research</i> , 2018, 102, 44-51.	3.1	16
250	Preserved white matter microstructure in adolescent patients with atypical anorexia nervosa. <i>International Journal of Eating Disorders</i> , 2019, 52, 166-174.	4.0	16
251	The polyamine transporter Slc18b1 (VPAT) is important for both short and long time memory and for regulation of polyamine content in the brain. <i>PLoS Genetics</i> , 2019, 15, e1008455.	3.5	16
252	Hypermethylation-associated downregulation of microRNA-4456 in hypersexual disorder with putative influence on oxytocin signalling: A DNA methylation analysis of miRNA genes. <i>Epigenetics</i> , 2020, 15, 145-160.	2.7	16

#	ARTICLE	IF	CITATIONS
253	Migraine and gastrointestinal disorders in middle and old age: A UK Biobank study. <i>Brain and Behavior</i> , 2021, 11, e2291.	2.2	16
254	Role of the Synergistic Interactions of Environmental Pollutants in the Development of Cancer. <i>GeoHealth</i> , 2022, 6, e2021GH000552.	4.0	16
255	Orexigenic effect of the melanocortin MC4 receptor antagonist HS014 is inhibited only partially by neuropeptide Y Y1 receptor selective antagonists. <i>Canadian Journal of Physiology and Pharmacology</i> , 2000, 78, 143-149.	1.4	15
256	Pivotal roles of $\alpha$ -melanocyte-stimulating hormone and the melanocortin 4 receptor in leptin stimulation of prolactin secretion in rats. <i>Journal of Neurochemistry</i> , 2003, 85, 338-347.	3.9	15
257	Critical evaluation of the FANTOM3 non-coding RNA transcripts. <i>Genomics</i> , 2009, 94, 169-176.	2.9	15
258	Obsessive-compulsivity and working memory are associated with differential prefrontal cortex and insula activation in adolescents with a recent diagnosis of an eating disorder. <i>Psychiatry Research - Neuroimaging</i> , 2014, 224, 246-253.	1.8	15
259	Reduced vasopressin receptors activation mediates the anti-depressant effects of fluoxetine and venlafaxine in bulbectomy model of depression. <i>Psychopharmacology</i> , 2016, 233, 1077-1086.	3.1	15
260	Association Between Self-Reported Sleep Duration and Body Composition in Middle-Aged and Older Adults. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 431-435.	2.6	15
261	The Synaptic Scaling Literature: A Systematic Review of Methodologies and Quality of Reporting. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 164.	3.7	15
262	Dibutyl phthalate disrupts conserved circadian rhythm in <i>Drosophila</i> and human cells. <i>Science of the Total Environment</i> , 2021, 783, 147038.	8.0	15
263	Alternative translation initiation codon for the human melanocortin MC3 receptor does not affect the ligand binding. <i>European Journal of Pharmacology</i> , 1996, 314, 381-384.	3.5	14
264	Selectivity of [Phe-1 7 ], [Ala 6 ], and [ d-Ala 4 ,Gln 5 ,Tyr 6 ] Substituted ACTH(4-10) Analogues for the Melanocortin Receptors. <i>Peptides</i> , 1997, 18, 761-763.	2.4	14
265	Evidence indicating that the extracellular loops of the mouse MC5 receptor do not participate in ligand binding. <i>Molecular and Cellular Endocrinology</i> , 1998, 139, 109-115.	3.2	14
266	Early vertebrate origin of melanocortin 2 receptor accessory proteins (MRAPs). <i>General and Comparative Endocrinology</i> , 2013, 188, 123-132.	1.8	14
267	Exposure to a high-fat high-sugar diet causes strong up-regulation of proopiomelanocortin and differentially affects dopamine D1 and D2 receptor gene expression in the brainstem of rats. <i>Neuroscience Letters</i> , 2014, 559, 18-23.	2.1	14
268	The Obesity-Linked Gene <i>Nudt3</i> <i>Drosophila</i> Homolog <i>Aps</i> Is Associated With Insulin Signaling. <i>Molecular Endocrinology</i> , 2015, 29, 1303-1319.	3.7	14
269	Bis(2-ethylhexyl) Phthalate Increases Insulin Expression and Lipid Levels in <i>Drosophila melanogaster</i> . <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 119, 309-316.	2.5	14
270	Can Exposure to Environmental Pollutants Be Associated with Less Effective Chemotherapy in Cancer Patients?. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2064.	2.6	14



#	ARTICLE	IF	CITATIONS
271	Comprehensive comparisons of the current human, mouse, and rat RefSeq, Ensembl, EST, and FANTOM3 datasets: Identification of new human genes with specific tissue expression profile. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 1063-1074.	2.1	13
272	Short Sleep Makes Declarative Memories Vulnerable to Stress in Humans. <i>Sleep</i> , 2015, 38, 1861-1868.	1.1	13
273	Association of the LINGO2-related SNP rs10968576 with body mass in a cohort of elderly Swedes. <i>Molecular Genetics and Genomics</i> , 2015, 290, 1485-1491.	2.1	13
274	Adolescents newly diagnosed with eating disorders have structural differences in brain regions linked with eating disorder symptoms. <i>Nordic Journal of Psychiatry</i> , 2017, 71, 188-196.	1.3	13
275	Neural activation of anxiety and depression in children and young people: A systematic meta-analysis of fMRI studies. <i>Psychiatry Research - Neuroimaging</i> , 2021, 311, 111272.	1.8	13
276	Toll-like receptor 4 methylation grade is linked to depressive symptom severity. <i>Translational Psychiatry</i> , 2021, 11, 371.	4.8	13
277	LEAP2 Impairs the Capability of the Growth Hormone Secretagogue Receptor to Regulate the Dopamine 2 Receptor Signaling. <i>Frontiers in Pharmacology</i> , 2021, 12, 712437.	3.5	13
278	Brain Cancer Drug Discovery: Clinical Trials, Drug Classes, Targets, and Combinatorial Therapies. <i>Pharmacological Reviews</i> , 2021, 73, 1172-1203.	16.0	13
279	Interleukin-1 $\beta$ -induced memory reconsolidation impairment is mediated by a reduction in glutamate release and zif268 expression and $\pm$ -melanocyte-stimulating hormone prevented these effects. <i>Brain, Behavior, and Immunity</i> , 2015, 46, 137-146.	4.1	12
280	Learning and sleep-dependent consolidation of spatial and procedural memories are unaltered in young men under a fixed short sleep schedule. <i>Neurobiology of Learning and Memory</i> , 2016, 131, 87-94.	1.9	12
281	Associations Between the Prevalence of Metabolic Syndrome and Sleep Parameters Vary by Age. <i>Frontiers in Endocrinology</i> , 2018, 9, 234.	3.5	12
282	Disruption of Accumbens and Thalamic White Matter Connectivity Revealed by Diffusion Tensor Tractography in Young Men with Genetic Risk for Obesity. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 75.	2.0	12
283	Major depression subtypes are differentially associated with migraine subtype, prevalence and severity. <i>Cephalalgia</i> , 2020, 40, 347-356.	3.9	12
284	Longitudinal DNA methylation changes at MET may alter HGF/c-MET signalling in adolescents at risk for depression. <i>Epigenetics</i> , 2020, 15, 646-663.	2.7	12
285	Exposure to the environmental pollutant bisphenol A diglycidyl ether (BADGE) causes cell over-proliferation in <i>Drosophila</i> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 25261-25270.	5.3	12
286	Therapy response prediction in major depressive disorder: current and novel genomic markers influencing pharmacokinetics and pharmacodynamics. <i>Pharmacogenomics</i> , 2021, 22, 485-503.	1.3	12
287	Structural study of melanocortin peptides by fluorescence spectroscopy: identification of $\beta$ -(2-naphthyl)- $\gamma$ -alanine as a fluorescent probe. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1623, 13-20.	2.4	11
288	Unusual Genomic Structure: Melanocortin Receptors in <i>Fugu</i> . <i>Annals of the New York Academy of Sciences</i> , 2005, 1040, 460-463.	3.8	11

#	ARTICLE	IF	CITATIONS
289	Reply to Braasch and Postlethwait: Evolutionary origin of the teleost A2 agouti genes (<i>agouti</i>). <i>Tj ETQq1</i> 1 0.784314 rgBT /Overload National Academy of Sciences of the United States of America, 2011, 108, E49-50.	7.1	11
290	Implication of coronin 7 in body weight regulation in humans, mice and flies. <i>BMC Neuroscience</i> , 2015, 16, 13.	1.9	11
291	A genetic variant in proximity to the gene LYPLAL1 is associated with lower hunger feelings and increased weight loss following Roux-en-Y gastric bypass surgery. <i>Scandinavian Journal of Gastroenterology</i> , 2016, 51, 1050-1055.	1.5	11
292	A pharmacogenetic risk score for the evaluation of major depression severity under treatment with antidepressants. <i>Drug Development Research</i> , 2020, 81, 102-113.	2.9	11
293	Normal Testosterone but Higher Luteinizing Hormone Plasma Levels in Men With Hypersexual Disorder. <i>Sexual Medicine</i> , 2020, 8, 243-250.	1.6	11
294	Patients Lacking Sustainable Long-Term Weight Loss after Gastric Bypass Surgery Show Signs of Decreased Inhibitory Control of Prepotent Responses. <i>PLoS ONE</i> , 2015, 10, e0119896.	2.5	10
295	Topology based identification and comprehensive classification of four-transmembrane helix containing proteins (4TMs) in the human genome. <i>BMC Genomics</i> , 2016, 17, 268.	2.8	10
296	Reduced resting-state connectivity in areas involved in processing of face-related social cues in female adolescents with atypical anorexia nervosa. <i>Translational Psychiatry</i> , 2018, 8, 275.	4.8	10
297	Time spent outdoors and risk of myocardial infarction and stroke in middle and old aged adults: Results from the UK Biobank prospective cohort. <i>Environmental Research</i> , 2021, 199, 111350.	7.5	10
298	Pharmacogenetics and Pain Treatment with a Focus on Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) and Antidepressants: A Systematic Review. <i>Pharmaceutics</i> , 2022, 14, 1190.	4.5	10
299	Motivation for sucrose in sated rats is predicted by low anxiety-like behavior. <i>Neuroscience Letters</i> , 2009, 454, 193-197.	2.1	9
300	Efficacy of antibody-based therapies to treat Alzheimer's disease: Just a matter of timing?. <i>Experimental Gerontology</i> , 2014, 57, 104-106.	2.8	9
301	Self-reported sleep disturbances and prostate cancer morbidity and mortality in Swedish men: A longitudinal study over 40 years. <i>Journal of Sleep Research</i> , 2018, 27, e12708.	3.2	9
302	The <i>Drosophila melanogaster</i> Levodopa-Induced Depression Model Exhibits Negative Geotaxis Deficits and Differential Gene Expression in Males and Females. <i>Frontiers in Neuroscience</i> , 2021, 15, 653470.	2.8	9
303	Enhanced Toxicity of Bisphenols Together with UV Filters in Water: Identification of Synergy and Antagonism in Three-Component Mixtures. <i>Molecules</i> , 2022, 27, 3260.	3.8	9
304	Are You Sure? Confidence about the Satiating Capacity of a Food Affects Subsequent Food Intake. <i>Nutrients</i> , 2015, 7, 5088-5097.	4.1	8
305	Characterization of Five Transmembrane Proteins: With Focus on the Tweety, Sideroflexin, and YIP1 Domain Families. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 708754.	3.7	8
306	CDKAL1-Related Single Nucleotide Polymorphisms Are Associated with Insulin Resistance in a Cross-Sectional Cohort of Greek Children. <i>PLoS ONE</i> , 2014, 9, e93193.	2.5	8

#	ARTICLE	IF	CITATIONS
307	The influence of personality on the risk of myocardial infarction in UK Biobank cohort. <i>Scientific Reports</i> , 2022, 12, 6706.	3.3	8
308	GHSR controls food deprivation-induced activation of CRF neurons of the hypothalamic paraventricular nucleus in a LEAP2-dependent manner. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 277.	5.4	8
309	Pharmacological Characterization of Melanocortin Receptors in Fish Suggests an Important Role for ACTH. <i>Annals of the New York Academy of Sciences</i> , 2005, 1040, 337-339.	3.8	7
310	The Ancestry of the Prolactin-Releasing Hormone Precursor. <i>Annals of the New York Academy of Sciences</i> , 2005, 1040, 368-370.	3.8	7
311	Functional connectivity underlying hedonic response to food in female adolescents with atypical AN: the role of somatosensory and salience networks. <i>Translational Psychiatry</i> , 2019, 9, 276.	4.8	7
312	Memory consolidation impairment induced by Interleukin-1 $\beta$ is associated with changes in hippocampal structural plasticity. <i>Behavioural Brain Research</i> , 2019, 370, 111969.	2.2	7
313	The STK33-Linked SNP rs4929949 Is Associated with Obesity and BMI in Two Independent Cohorts of Swedish and Greek Children. <i>PLoS ONE</i> , 2013, 8, e71353.	2.5	7
314	Pharmacogenetics in Primary Headache Disorders. <i>Frontiers in Pharmacology</i> , 2021, 12, 820214.	3.5	7
315	To press or not to press? Differential receptor expression and response to novelty in rats learning an operant response for reward. <i>Neurobiology of Learning and Memory</i> , 2007, 87, 181-191.	1.9	6
316	Reproductive performance of male mice after hypothalamic ghrelin administration. <i>Reproduction</i> , 2018, 156, 121-132.	2.6	6
317	Effects of dietary omega-3 PUFAs on growth and development: Somatic, neurobiological and reproductive functions in a murine model. <i>Journal of Nutritional Biochemistry</i> , 2018, 61, 82-90.	4.2	6
318	Neural Cotransmission in Spinal Circuits Governing Locomotion. <i>Trends in Neurosciences</i> , 2018, 41, 540-550.	8.6	6
319	Association between sleep duration and executive function differs between diabetic and non-diabetic middle-aged and older adults. <i>Psychoneuroendocrinology</i> , 2020, 111, 104472.	2.7	6
320	Transient Administration of Dopaminergic Precursor Causes Inheritable Overfeeding Behavior in Young <i>Drosophila melanogaster</i> Adults. <i>Brain Sciences</i> , 2020, 10, 487.	2.3	6
321	Is there prejudice from thin air? Replicating the effect of emotion on automatic intergroup attitudes. <i>BMC Psychology</i> , 2020, 8, 47.	2.1	6
322	Excitability, synaptic balance, and addiction: The homeostatic dynamics of ionotropic glutamatergic receptors in VTA after cocaine exposure. <i>Behavioral and Brain Functions</i> , 2020, 16, 6.	3.3	6
323	The potential interaction of environmental pollutants and circadian rhythm regulations that may cause leukemia. <i>Critical Reviews in Environmental Science and Technology</i> , 0, , 1-19.	12.8	6
324	Genetics of anorexia nervosa: An overview of genome-wide association studies and emerging biological links. <i>Journal of Genetics and Genomics</i> , 2022, 49, 1-12.	3.9	6

#	ARTICLE	IF	CITATIONS
325	The G protein-coupled receptor GPR162 is widely distributed in the CNS and highly expressed in the hypothalamus and in hedonic feeding areas. <i>Gene</i> , 2014, 553, 1-6.	2.2	5
326	A new, simple and robust radioligand binding method used to determine kinetic off-rate constants for unlabeled ligands. Application at $I_{\pm} 2A$ - and $I_{\pm} 2C$ -adrenoceptors. <i>European Journal of Pharmacology</i> , 2016, 788, 113-121.	3.5	5
327	mRNA GPR162 changes are associated with decreased food intake in rat, and its human genetic variants with impairments in glucose homeostasis in two Swedish cohorts. <i>Gene</i> , 2016, 581, 139-145.	2.2	5
328	Pharmacological NOS-1 Inhibition Within the Hippocampus Prevented Expression of Cocaine Sensitization: Correlation with Reduced Synaptic Transmission. <i>Molecular Neurobiology</i> , 2020, 57, 450-460.	4.0	5
329	Important gender differences in psychosomatic and school-related complaints in relation to adolescent weight status. <i>Scientific Reports</i> , 2021, 11, 14147.	3.3	5
330	The Potential Effect of Insulin on AChE and Its Interactions with Rivastigmine In Vitro. <i>Pharmaceuticals</i> , 2021, 14, 1136.	3.8	5
331	Major sex differences in migraine prevalence among occupational categories: a cross-sectional study using UK Biobank. <i>Journal of Headache and Pain</i> , 2021, 22, 145.	6.0	5
332	How Sleep-Deprived People See and Evaluate Others' Faces: An Experimental Study. <i>Nature and Science of Sleep</i> , 2022, Volume 14, 867-876.	2.7	5
333	Subtype selective binding properties of substituted linear melanocyte stimulating hormone analogues. <i>Neuropeptides</i> , 2002, 36, 427-434.	2.2	4
334	New Melanocortin 1 Receptor Binding Motif Based on the C-Terminal Sequence of $\beta$ -Melanocyte-Stimulating Hormone. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2006, 99, 287-293.	2.5	4
335	Insulin receptor-like ectodomain genes and splice variants are found in both arthropods and human brain cDNA. <i>Journal of Systematics and Evolution</i> , 2013, 51, 664-670.	3.1	4
336	Determination of obesity associated gene variants related to TMEM18 through ultra-deep targeted re-sequencing in a case-control cohort for pediatric obesity. <i>Genetical Research</i> , 2015, 97, e16.	0.9	4
337	Association between migraine prevalence, treatment with proton-pump inhibitors and CYP2C19 phenotypes in UK Biobank. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112234.	5.6	4
338	Migraine as a risk factor for mixed symptoms of peripartum depression and anxiety in late pregnancy: A prospective cohort study. <i>Journal of Affective Disorders</i> , 2021, 295, 733-739.	4.1	4
339	Dendritic spine density changes and homeostatic synaptic scaling: a meta-analysis of animal studies. <i>Neural Regeneration Research</i> , 2022, 17, 20.	3.0	4
340	Integrating Statistical and Machine-Learning Approach for Meta-Analysis of Bisphenol A-Exposure Datasets Reveals Effects on Mouse Gene Expression within Pathways of Apoptosis and Cell Survival. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10785.	4.1	4
341	The Statin Target Hmgcr Regulates Energy Metabolism and Food Intake through Central Mechanisms. <i>Cells</i> , 2022, 11, 970.	4.1	4
342	Evidence of a Causal Link Between the Well-Being Spectrum and the Risk of Myocardial Infarction: A Mendelian Randomization Study. <i>Frontiers in Genetics</i> , 2022, 13, 842223.	2.3	4

#	ARTICLE	IF	CITATIONS
343	Evidence that the effect of melanocortins on female sexual behavior in preoptic area is mediated by the MC3 receptor. <i>Behavioural Brain Research</i> , 2004, 153, 537-541.	2.2	3
344	Television Watching and Effects on Food Intake. <i>JAMA Internal Medicine</i> , 2015, 175, 468.	5.1	3
345	Differentiation of two human neuroblastoma cell lines alters SV2 expression patterns. <i>Cellular and Molecular Biology Letters</i> , 2021, 26, 5.	7.0	3
346	The Statin Target HMG-Coenzyme a Reductase (Hmgcr) Regulates Sleep Homeostasis in <i>Drosophila</i> . <i>Pharmaceuticals</i> , 2022, 15, 79.	3.8	3
347	Subtype-Specific Pharmacological Properties of the Melanocortin Receptors in Chicken. <i>Annals of the New York Academy of Sciences</i> , 2005, 1040, 378-380.	3.8	2
348	Plasma stearyl-CoA desaturase activity indices and bile acid concentrations after a low-fat meal: association with a genetic variant in the <i>FTO</i> gene. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2018, Volume 11, 611-618.	2.4	2
349	Meal timing and subjective sleep disturbances in older men. <i>Experimental Gerontology</i> , 2020, 141, 111089.	2.8	2
350	Important Difference between Occupational Hazard Exposure among Shift Workers and Other Workers; Comparing Workplace before and after 1980. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7495.	2.6	2
351	The Beauty of the Zero: Replications and Extensions of the Hidden-Zero Effect in Delay Discounting Tasks. <i>Social Psychological and Personality Science</i> , 2021, 12, 544-549.	3.9	2
352	BCNNM: A Framework for in silico Neural Tissue Development Modeling. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 588224.	2.1	2
353	Multidrug Resistance Like Protein 1 Activity in Malpighian Tubules Regulates Lipid Homeostasis in <i>Drosophila</i> . <i>Membranes</i> , 2021, 11, 432.	3.0	2
354	Ghrelin restores memory impairment following olfactory bulbectomy in mice by activating hippocampal NMDA1 and MAPK1 gene expression. <i>Behavioural Brain Research</i> , 2021, 410, 113341.	2.2	2
355	Phonological working memory is adversely affected in adults with anorexia nervosa: a systematic literature review. <i>Eating and Weight Disorders</i> , 2022, 27, 1931-1952.	2.5	2
356	Hyperphagia modifies FA profiles of plasma phospholipids, plasma FFA, and adipose tissue TAG. <i>Lipids</i> , 2003, 38, 1127-1132.	1.7	1
357	Perceived stress is related to lower blood pressure in a Swedish cohort. <i>Scandinavian Journal of Public Health</i> , 2021, , 140349482110303.	2.3	1
358	The Orphan G Protein-Coupled Receptor Gene GPR178 Is Evolutionary Conserved and Altered in Response to Acute Changes in Food Intake. <i>PLoS ONE</i> , 2015, 10, e0122061.	2.5	1
359	Differential associations of statin treatment and polymorphism in genes coding for HMGCR and PCSK9 to risk for insomnia. <i>Frontiers in Bioscience</i> , 2021, 26, 1453-1463.	2.1	1
360	Sequence polymorphism in a marine bivalve ( <i>Perna canaliculus</i> ) orphan G protein-coupled receptor gene: Preliminary description and possible implications. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2009, 43, 953-964.	2.0	0

#	ARTICLE	IF	CITATIONS
361	Classification of Trispanins: A Diverse Group of Proteins That Function in Membrane Synthesis and Transport Mechanisms. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 386.	3.7	0
362	Challenges in Analyzing Functional Epigenetic Data in Perspective of Adolescent Psychiatric Health. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5856.	4.1	0