Robert Fredriksson

List of Publications by Year
in descending order

182	13,487	26630 56	24258 110
papers	citations	h-index	g-index

184	184	184	16410
all docs	docs citations	times ranked	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. Molecular Pharmacology, 2003, 63, 1256-1272.	2.3	2,525
2	The Repertoire of G-Proteinâ€“Coupled Receptors in Fully Sequenced Genomes. Molecular Pharmacology, 2005, 67, 1414-1425.	2.3	518
3	Mapping the human membrane proteome: a majority of the human membrane proteins can be classified according to function and evolutionary origin. BMC Biology, 2009, 7, 50.	3.8	497
4	International Union of Basic and Clinical Pharmacology. XCIV. Adhesion G Proteinâ€“Coupled Receptors. Pharmacological Reviews, 2015, 67, 338-367.	16.0	392
5	Comprehensive repertoire and phylogenetic analysis of the G protein-coupled receptors in human and mouse. Genomics, 2006, 88, 263-273.	2.9	354
6	The Obesity Gene, FTO, Is of Ancient Origin, Up-Regulated during Food Deprivation and Expressed in Neurons of Feeding-Related Nuclei of the Brain. Endocrinology, 2008, 149, 2062-2071.	2.8	309
7	Differences in Chemokine Coreceptor Usage between Genetic Subtypes of HIV-1. Virology, 1998, 241, 181-188.	2.4	241
8	Seven evolutionarily conserved human rhodopsin G protein-coupled receptors lacking close relatives. FEBS Letters, 2003, 554, 381-388.	2.8	237
9	The GRAFS classification system of G-protein coupled receptors in comparative perspective. General and Comparative Endocrinology, 2005, 142, 94-101.	1.8	230
10	The human and mouse repertoire of the adhesion family of G-protein-coupled receptors. Genomics, 2004, 84, 23-33.	2.9	214
11	The Dominant white, Dun and Smoky Color Variants in Chicken Are Associated With Insertion/Deletion Polymorphisms in the PMEL17 GeneSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY636124, AY636125, AY636126, AY636127, AY636128, AY636129.. Genetics, 2004, 168, 1507-1518.	2.9	209
12	Exposure to subliminal arousing stimuli induces robust activation in the amygdala, hippocampus, anterior cingulate, insular cortex and primary visual cortex: A systematic meta-analysis of fMRI studies. NeuroImage, 2012, 59, 2962-2973.	4.2	183
13	The Solute Carrier Families Have a Remarkably Long Evolutionary History with the Majority of the Human Families Present before Divergence of Bilaterian Species. Molecular Biology and Evolution, 2011, 28, 1531-1541.	8.9	182
14	Classification Systems of Secondary Active Transporters. Trends in Pharmacological Sciences, 2017, 38, 305-315.	8.7	178
15	The G protein-coupled receptor subset of the rat genome. BMC Genomics, 2007, 8, 338.	2.8	170
16	The Melanocortin System in Fugu: Determination of POMC/AGRP/MCR Gene Repertoire and Synteny, As Well As Pharmacology and Anatomical Distribution of the MCRs. Molecular Biology and Evolution, 2004, 21, 563-579.	8.9	164
17	G Proteinâ€“Coupled Receptor Deorphanizations. Annual Review of Pharmacology and Toxicology, 2013, 53, 127-146.	9.4	156
18	The Origin of GPCRs: Identification of Mammalian like Rhodopsin, Adhesion, Glutamate and Frizzled GPCRs in Fungi. PLoS ONE, 2012, 7, e29817.	2.5	152

#	Article	IF	Citations
19	The solute carrier (SLC) complement of the human genome: Phylogenetic classification reveals four major families. FEBS Letters, 2008, 582, 3811-3816.	2.8	150
20	Fourteen novel human members of mitochondrial solute carrier family 25 (SLC25) widely expressed in the central nervous system. Genomics, 2006, 88, 779-790.	2.9	145
21	Independent HHsearch, Needleman-Wunsch-Based, and Motif Analyses Reveal the Overall Hierarchy for Most of the G Protein-Coupled Receptor Families. Molecular Biology and Evolution, 2011, 28, 2471-2480.	8.9	145
22	Genome wide analysis reveals association of a FTO gene variant with epigenetic changes. Genomics, 2012, 99, 132-137.	2.9	132
23	Evolutionary origin of amino acid transporter families SLC32, SLC36 and SLC38 and physiological, pathological and therapeutic aspects. Molecular Aspects of Medicine, 2013, 34, 571-585.	6.4	125
24	The Adhesion GPCRs: A unique family of G protein-coupled receptors with important roles in both central and peripheral tissues. Cellular and Molecular Life Sciences, 2007, 64, 2104-2119.	5.4	119
25	Evolutionary conservation of the structural, pharmacological, and genomic characteristics of the melanocortin receptor subtypes. Peptides, 2005, 26, 1886-1900.	2.4	116
26	Feather-pecking and victim pigmentation. Nature, 2004, 431, 645-646.	27.8	110
27	There exist at least 30 human G-protein-coupled receptors with long Ser/Thr-rich N-termini. Biochemical and Biophysical Research Communications, 2003, 301, 725-734.	2.1	109
28	One melanocortinâ€ƒ4 and two melanocortinâ€ƒ5 receptors from zebrafish show remarkable conservation in structure and pharmacology. Journal of Neurochemistry, 2002, 82, 6-18.	3.9	107
29	The Secretin GPCRs Descended from the Family of Adhesion GPCRs. Molecular Biology and Evolution, 2008, 26, 71-84.	8.9	107
30	Hypothalamic FTO is associated with the regulation of energy intake not feeding reward. BMC Neuroscience, 2009, 10, 129.	1.9	107
31	Major gender difference in association of FTO gene variant among severely obese children with obesity and obesity related phenotypes. Biochemical and Biophysical Research Communications, 2008, 368, 476-482.	2.1	105
32	The G Proteinâ€“Coupled Receptor Subset of the Chicken Genome. PLoS Computational Biology, 2006, 2, e54.	3.2	104
33	Identification of SLC38A7 (SNAT7) Protein as a Glutamine Transporter Expressed in Neurons. Journal of Biological Chemistry, 2011, 286, 20500-20511.	3.4	100
34	Many QTLs with minor additive effects are associated with a large difference in growth between two selection lines in chickens. Genetical Research, 2005, 86, 115-125.	0.9	99
35	In Situ Proximity Ligation Assay (PLA). Methods in Molecular Biology, 2015, 1318, 149-159.	0.9	99
36	Molecular, Immunohistochemical, and Pharmacological Evidence of Oxytocinâ€™s Role as Inhibitor of Carbohydrate But Not Fat Intake. Endocrinology, 2010, 151, 4736-4744.	2.8	96

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37	Feather pecking in chickens is genetically related to behavioural and developmental traits. Physiology and Behavior, 2005, 86, 52-60.	2.1	91
38	Solute carriers as drug targets: Current use, clinical trials and prospective. Molecular Aspects of Medicine, 2013, 34, 702-710.	6.4	89
39	The amphioxus (Branchiostoma floridae) genome contains a highly diversified set of G protein-coupled receptors. BMC Evolutionary Biology, 2008, 8, 9.	3.2	87
40	Novel human G protein-coupled receptors with long N-terminals containing GPS domains and Ser/Thr-rich regions. FEBS Letters, 2002, 531, 407-414.	2.8	86
41	The repertoire of trace amine G-protein-coupled receptors: large expansion in zebrafish. Molecular Phylogenetics and Evolution, 2005, 35, 470-482.	2.7	84
42	The Evolutionary History and Tissue Mapping of Amino Acid Transporters Belonging to Solute Carrier Families SLC32, SLC36, and SLC38. Journal of Molecular Neuroscience, 2008, 35, 179-193.	2.3	83
43	Genome-wide analysis reveals DNA methylation markers that vary with both age and obesity. Gene, 2014, 548, 61-67.	2.2	83
44	Association of feather colour with constitutively active melanocortin 1 receptors in chicken. FEBS Journal, 2003, 270, 1441-1449.	0.2	82
45	The gene repertoire and the common evolutionary history of glutamate, pheromone (V2R), taste(1) and other related G protein-coupled receptors. Gene, 2005, 362, 70-84.	2.2	81
46	Identification of six putative human transporters with structural similarity to the drug transporter SLC22 family. Genomics, 2007, 90, 595-609.	2.9	78
47	The Dispanins: A Novel Gene Family of Ancient Origin That Contains 14 Human Members. PLoS ONE, 2012, 7, e31961.	2.5	74
48	Cloning, tissue distribution, pharmacology and three-dimensional modelling of melanocortin receptors 4 and 5 in rainbow trout suggest close evolutionary relationship of these subtypes. Biochemical Journal, 2004, 380, 475-486.	3.7	72
49	Increased mRNA levels of tyrosine hydroxylase and dopamine transporter in the VTA of male rats after chronic food restriction. European Journal of Neuroscience, 2006, 23, 180-186.	2.6	69
50	The repertoire of solute carriers of family 6: Identification of new human and rodent genes. Biochemical and Biophysical Research Communications, 2005, 336, 175-189.	2.1	68
51	Synaptic changes induced by melanocortin signalling. Nature Reviews Neuroscience, 2014, 15, 98-110.	10.2	66
52	Nine new human Rhodopsin family G-protein coupled receptors: identification, sequence characterisation and evolutionary relationship. Biochimica Et Biophysica Acta - General Subjects, 2005, 1722, 235-246.	2.4	65
53	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. BMC Medical Genetics, 2010, 11, 58.	2.1	65
54	The relative impact of chronic food restriction and acute food deprivation on plasma hormone levels and hypothalamic neuropeptide expression. Peptides, 2008, 29, 1588-1595.	2.4	63

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55	Identification of novel splice variants of Adhesion G protein-coupled receptors. Gene, 2007, 387, 38-48.	2.2	62
56	Associations between severity of obesity in childhood and adolescence, obesity onset and parental BMI: a longitudinal cohort study. International Journal of Obesity, 2011, 35, 46-52.	3.4	61
57	Restricted Cortical and Amygdaloid Removal of Vesicular Glutamate Transporter 2 in Preadolescent Mice Impacts Dopaminergic Activity and Neuronal Circuitry of Higher Brain Function. Journal of Neuroscience, 2009, 29, 2238-2251.	3.6	59
58	Complexity of neural mechanisms underlying overconsumption of sugar in scheduled feeding: Involvement of opioids, orexin, oxytocin and NPY. Peptides, 2009, 30, 226-233.	2.4	59
59	Functional characterization of two melanocortin (MC) receptors in lamprey showing orthology to the MC1 and MC4 receptor subtypes. BMC Evolutionary Biology, 2007, 7, 101.	3.2	58
60	Expression profile of the entire family of AdhesionG protein-coupled receptors in mouse and rat. BMC Neuroscience, 2008, 9, 43.	1.9	57
61	Presence of melanocortin (MC4) receptor in spiny dogfish suggests an ancient vertebrate origin of central melanocortin system. FEBS Journal, 2003, 270, 213-221.	0.2	56
62	Neuropeptide Y-family receptors Y6 and Y7 in chicken. FEBS Journal, 2006, 273, 2048-2063.	4.7	54
63	Glutamate, aspartate and nucleotide transporters in the SLC17 family form four main phylogenetic clusters: evolution and tissue expression. BMC Genomics, 2010, 11, 17.	2.8	54
64	Transport of l-Glutamine, l-Alanine, l-Arginine and l-Histidine by the Neuron-Specific Slc38a8 (SNAT8) in CNS. Journal of Molecular Biology, 2015, 427, 1495-1512.	4.2	53
65	Origin of the prolactin-releasing hormone (PRLH) receptors: Evidence of coevolution between PRLH and a redundant neuropeptide Y receptor during vertebrate evolution. Genomics, 2005, 85, 688-703.	2.9	50
66	Neuropeptide Y-family peptides and receptors in the elephant shark, Callorhinchus milii confirm gene duplications before the gnathostome radiation. Genomics, 2009, 93, 254-260.	2.9	50
67	Long evolutionary conservation and considerable tissue specificity of several atypical solute carrier transporters. Gene, 2011, 478, 11-18.	2.2	50
68	Remarkable similarities between the hemichordate (Saccoglossus kowalevskii) and vertebrate GPCR repertoire. Gene, 2013, 526, 122-133.	2.2	50
69	Obesity-Linked Homologues TfAP-2 and Twz Establish Meal Frequency in Drosophila melanogaster. PLoS Genetics, 2014, 10, e1004499.	3.5	50
70	Characteristics of 29 novel atypical solute carriers of major facilitator superfamily type: evolutionary conservation, predicted structure and neuronal co-expression. Open Biology, 2017, 7, 170142.	3.6	49
71	The G protein-coupled receptor subset of the dog genome is more similar to that in humans than rodents. BMC Genomics, 2009, 10, 24.	2.8	47
72	Neuropeptide Y receptor subtype with unique properties cloned in the zebrafish: the zYa receptor. Molecular Brain Research, 1999, 70, 242-252.	2.3	45

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73	What model organisms and interactomics can reveal about the genetics of human obesity. Cellular and Molecular Life Sciences, 2012, 69, 3819-3834.	5.4	45
74	Novel Neuropeptide Y Y2-Like Receptor Subtype in Zebrafish and Frogs Supports Early Vertebrate Chromosome Duplications. Journal of Molecular Evolution, 2004, 58, 106-114.	1.8	44
75	Regulation of Aggression by Obesity-Linked GenesTfAP-2andTwzThrough Octopamine Signaling inDrosophila. Genetics, 2014, 196, 349-362.	2.9	43
76	Remarkable synteny conservation of melanocortin receptors in chicken, human, and other vertebrates. Genomics, 2003, 81, 504-509.	2.9	42
77	High Affinity Agonistic Metal Ion Binding Sites within the Melanocortin 4 Receptor Illustrate Conformational Change of Transmembrane Region 3. Journal of Biological Chemistry, 2003, 278, 51521-51526.	3.4	42
78	Quantitative Trait Loci for BMD and Bone Strength in an Intercross Between Domestic and Wildtype Chickens. Journal of Bone and Mineral Research, 2007, 22, 375-384.	2.8	42
79	The GPCR repertoire in the demosponge Amphimedon queenslandica: insights into the GPCR system at the early divergence of animals. BMC Evolutionary Biology, 2014, 14, 270.	3.2	42
80	Differential regulation of nuclear receptors, neuropeptides and peptide hormones in the hypothalamus and pituitary of food restricted rats. Molecular Brain Research, 2005, 133, 37-46.	2.3	41
81	BDNF Polymorphisms Are Linked to Poorer Working Memory Performance, Reduced Cerebellar and Hippocampal Volumes and Differences in Prefrontal Cortex in a Swedish Elderly Population. PLoS ONE, 2014, 9, e82707.	2.5	40
82	Novel genetic variant in FTO influences insulin levels and insulin resistance in severely obese children and adolescents. International Journal of Obesity, 2008, 32, 1730-1735.	3.4	39
83	The Novel Membrane-Bound Proteins MFSD1 and MFSD3 are Putative SLC Transporters Affected by Altered Nutrient Intake. Journal of Molecular Neuroscience, 2017, 61, 199-214.	2.3	39
84	The common FTOvariant rs9939609 is not associated with BMI in a longitudinal study on a cohort of Swedish men born 1920-1924. BMC Medical Genetics, 2009, 10, 131.	2.1	38
85	Functional specialization in nucleotide sugar transporters occurred through differentiation of the gene cluster EamA (DUF6) before the radiation of Viridiplantae. BMC Evolutionary Biology, 2011, 11, 123.	3.2	37
86	The fat mass and obesity gene is linked to reduced verbal fluency in overweight and obese elderly men. Neurobiology of Aging, 2011, 32, 1159.e1-1159.e5.	3.1	35
87	Evolutionary hierarchy of vertebrate-like heterotrimeric G protein families. Molecular Phylogenetics and Evolution, 2015, 91, 27-40.	2.7	35
88	The Putative SLC Transporters Mfsd5 and Mfsd11 Are Abundantly Expressed in the Mouse Brain and Have a Potential Role in Energy Homeostasis. PLoS ONE, 2016, 11, e0156912.	2.5	35
89	Neurobeachin, a Regulator of Synaptic Protein Targeting, Is Associated with Body Fat Mass and Feeding Behavior in Mice and Body-Mass Index in Humans. PLoS Genetics, 2012, 8, e1002568.	3.5	33
90	The neuronal and astrocytic protein <scp>SLC</scp>38A10 transports glutamine, glutamate, and aspartate, suggesting a role in neurotransmission. FEBS Open Bio, 2017, 7, 730-746.	2.3	33

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91	Determination of the obesity-associated gene variants within the entire FTO gene by ultra-deep targeted sequencing in obese and lean children. International Journal of Obesity, 2013, 37, 424-431.	3.4	32
92	Comparison of the current RefSeq, Ensembl and EST databases for counting genes and gene discovery. FEBS Letters, 2005, 579, 690-698.	2.8	31
93	The Adhesion GPCR GPR125 is specifically expressed in the choroid plexus and is upregulated following brain injury. BMC Neuroscience, 2008, 9, 97.	1.9	31
94	Genome-wide analysis shows association of epigenetic changes in regulators of Rab and Rho GTPases with spinal muscular atrophy severity. European Journal of Human Genetics, 2013, 21, 988-993.	2.8	31
95	The Adhesion GPCRs; Gene Repertoire, Phylogeny and Evolution. Advances in Experimental Medicine and Biology, 2010, 706, 1-13.	1.6	30
96	Involvement of the Neutral Amino Acid Transporter SLC6A15 and Leucine in Obesity-Related Phenotypes. PLoS ONE, 2013, 8, e68245.	2.5	30
97	Neuropeptide Y Inhibits the Biosynthesis of Sulfated Neurosteroids in the Hypothalamus through Activation of Y1Receptors. Endocrinology, 2002, 143, 1950-1963.	2.8	29
98	Inverse association of highâ€fat diet preference and anxietyâ€like behavior: a putative role for urocortin 2. Genes, Brain and Behavior, 2009, 8, 193-202.	2.2	29
99	Reciprocal mutations of neuropeptide Y receptor Y2 in human and chicken identify amino acids important for antagonist binding. FEBS Letters, 2002, 518, 5-9.	2.8	28
100	High Species Variation within the Repertoire of Trace Amine Receptors. Annals of the New York Academy of Sciences, 2005, 1040, 323-327.	3.8	28
101	Formation of new genes explains lower intron density in mammalian Rhodopsin G protein-coupled receptors. Molecular Phylogenetics and Evolution, 2007, 43, 864-880.	2.7	28
102	Characterization of NPY receptor subtypes Y2 and Y7 in rainbow trout Oncorhynchus mykiss. Peptides, 2006, 27, 1320-1327.	2.4	27
103	The gene expression of numerous SLC transporters is altered in the immortalized hypothalamic cell line N25/2 following amino acid starvation. FEBS Open Bio, 2017, 7, 249-264.	2.3	27
104	Roux-En Y Gastric Bypass Surgery Induces Genome-Wide Promoter-Specific Changes in DNA Methylation in Whole Blood of Obese Patients. PLoS ONE, 2015, 10, e0115186.	2.5	27
105	A neuropeptide Y receptor Y1-subfamily gene from an agnathan, the European river lamprey. FEBS Journal, 2001, 268, 6146-6154.	0.2	26
106	Genetic algorithm for large-scale maximum parsimony phylogenetic analysis of proteins. Biochimica Et Biophysica Acta - General Subjects, 2005, 1725, 19-29.	2.4	26
107	The Drosophila ETV5 Homologue Ets96B: Molecular Link between Obesity and Bipolar Disorder. PLoS Genetics, 2016, 12, e1006104.	3.5	26
108	Putative Membrane-Bound Transporters MFSD14A and MFSD14B Are Neuronal and Affected by Nutrient Availability. Frontiers in Molecular Neuroscience, 2017, 10, 11.	2.9	26

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109	Insights into the Origin of Nematode Chemosensory GPCRs: Putative Orthologs of the Srw Family Are Found across Several Phyla of Protostomes. PLoS ONE, 2014, 9, e93048.	2.5	26
110	Exposure to Bisphenol A Affects Lipid Metabolism in Drosophila melanogaster. Basic and Clinical Pharmacology and Toxicology, 2014, 114, 414-420.	2.5	25
111	SPRIT: Identifying horizontal gene transfer in rooted phylogenetic trees. BMC Evolutionary Biology, 2010, 10, 42.	3.2	24
112	Association of TMEM18 variants with BMI and waist circumference in children and correlation of mRNA expression in the PFC with body weight in rats. European Journal of Human Genetics, 2012, 20, 192-197.	2.8	24
113	Functional Role, Structure, and Evolution of the Melanocortinâ€4 Receptor. Annals of the New York Academy of Sciences, 2003, 994, 74-83.	3.8	23
114	Nutritional Stress Induced by Amino Acid Starvation Results in Changes for Slc38 Transporters in Immortalized Hypothalamic Neuronal Cells and Primary Cortex Cells. Frontiers in Molecular Biosciences, 2018, 5, 45.	3.5	23
115	Neuropeptide Y Inhibits Spontaneous Î±-Melanocyte-Stimulating Hormone (Î±-MSH) Release via a Y5 Receptor and Suppresses Thyrotropin-Releasing Hormone-Induced Î±-MSH Secretion via a Y1 Receptor in Frog Melanotrope Cells. Endocrinology, 2002, 143, 1686-1694.	2.8	22
116	Functional coupling analysis suggests link between the obesity gene FTO and the BDNF-NTRK2 signaling pathway. BMC Neuroscience, 2011, 12, 117.	1.9	22
117	Histological Analysis of SLC38A6 (SNAT6) Expression in Mouse Brain Shows Selective Expression in Excitatory Neurons with High Expression in the Synapses. PLoS ONE, 2014, 9, e95438.	2.5	22
118	B0AT2 (SLC6A15) Is Localized to Neurons and Astrocytes, and Is Involved in Mediating the Effect of Leucine in the Brain. PLoS ONE, 2013, 8, e58651.	2.5	21
119	The G protein coupled receptor Gpr153 shares common evolutionary origin with Gpr162 and is highly expressed in central regions including the thalamus, cerebellum and the arcuate nucleus. FEBS Journal, 2011, 278, 4881-4894.	4.7	20
120	Methylation Levels of SLC23A2 and NCOR2 Genes Correlate with Spinal Muscular Atrophy Severity. PLoS ONE, 2015, 10, e0121964.	2.5	20
121	Comprehensive analysis of localization of 78 solute carrier genes throughout the subsections of the rat gastrointestinal tract. Biochemical and Biophysical Research Communications, 2011, 411, 702-707.	2.1	19
122	Characterization of the transporterB0AT3 (Slc6a17) in the rodent central nervous system. BMC Neuroscience, 2013, 14, 54.	1.9	19
123	The Drosophila ortholog of TMEM18 regulates insulin and glucagon-like signaling. Journal of Endocrinology, 2016, 229, 233-243.	2.6	19
124	The Neuronal and Peripheral Expressed Membrane-Bound UNC93A Respond to Nutrient Availability in Mice. Frontiers in Molecular Neuroscience, 2017, 10, 351.	2.9	19
125	Detailed Analysis of Variants in FTO in Association with Body Composition in a Cohort of 70-Year-Olds Suggests a Weakened Effect among Elderly. PLoS ONE, 2011, 6, e20158.	2.5	19
126	Structural prediction of two novel human atypical SLC transporters, MFSD4A and MFSD9, and their neuroanatomical distribution in mice. PLoS ONE, 2017, 12, e0186325.	2.5	19

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127	Expansion of the Superfamily of G-Protein-Coupled Receptors in Chordates. Annals of the New York Academy of Sciences, 2005, 1040, 89-94.	3.8	18
128	A founder mutation for ichthyosis prematurity syndrome restricted to 76Âkb by haplotype association. Journal of Human Genetics, 2006, 51, 864-871.	2.3	18
129	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. Physiology and Behavior, 2011, 103, 248-253.	2.1	18
130	Fto colocalizes with a satiety mediator oxytocin in the brain and upregulates oxytocin gene expression. Biochemical and Biophysical Research Communications, 2011, 408, 422-426.	2.1	17
131	Characterization of the neuropeptide Y system in the frog Silurana tropicalis (Pipidae): Three peptides and six receptor subtypes. General and Comparative Endocrinology, 2012, 177, 322-331.	1.8	17
132	Identification of Distant Agouti-Like Sequences and Re-Evaluation of the Evolutionary History of the Agouti-Related Peptide (AgRP). PLoS ONE, 2012, 7, e40982.	2.5	17
133	Cloning and characterization of a zebrafish Y2 receptor. Regulatory Peptides, 2006, 133, 32-40.	1.9	16
134	The MAP2K5-linked SNP rs2241423 is associated with BMI and obesity in two cohorts of Swedish and Greek children. BMC Medical Genetics, 2012, 13, 36.	2.1	16
135	The polyamine transporter Slc18b1(VPAT) is important for both short and long time memory and for regulation of polyamine content in the brain. PLoS Genetics, 2019, 15, e1008455.	3.5	16
136	Glutamine Uptake via SNAT6 and Caveolin Regulates Glutamineâ€“Glutamate Cycle. International Journal of Molecular Sciences, 2021, 22, 1167.	4.1	16
137	Critical evaluation of the FANTOM3 non-coding RNA transcripts. Genomics, 2009, 94, 169-176.	2.9	15
138	C6ORF192 Forms a Unique Evolutionary Branch Among Solute Carriers (SLC16, SLC17, and SLC18) and Is Abundantly Expressed in Several Brain Regions. Journal of Molecular Neuroscience, 2010, 41, 230-242.	2.3	15
139	Probable role for major facilitator superfamily domain containing 6 (MFSD6) in the brain during variable energy consumption. International Journal of Neuroscience, 2020, 130, 476-489.	1.6	15
140	Evaluation of EST-data using the genome assembly. Biochemical and Biophysical Research Communications, 2005, 331, 1566-1576.	2.1	14
141	Genetic variants near the MGAT1 gene are associated with body weight, BMI and fatty acid metabolism among adults and children. International Journal of Obesity, 2012, 36, 119-129.	3.4	14
142	Early vertebrate origin of melanocortin 2 receptor accessory proteins (MRAPs). General and Comparative Endocrinology, 2013, 188, 123-132.	1.8	14
143	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. Neuroscience Letters, 2014, 559, 18-23.	2.1	14
144	The Obesity-Linked Gene Nudt3 Drosophila Homolog Aps Is Associated With Insulin Signaling. Molecular Endocrinology, 2015, 29, 1303-1319.	3.7	14

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145	A Cannabinoid Receptor Type 1 (CB1R) Agonist Enhances the Developmental Neurotoxicity of Acetaminophen (Paracetamol). Toxicological Sciences, 2018, 166, 203-212.	3.1	14
146	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. Biochemical and Biophysical Research Communications, 2006, 348, 1063-1074.	2.1	13
147	The Drosophila Kctdâ€family homologue Kctd12â€like modulates male aggression and mating behaviour. European Journal of Neuroscience, 2014, 40, 2513-2526.	2.6	13
148	Toll-like receptor 4 methylation grade is linked to depressive symptom severity. Translational Psychiatry, 2021, 11, 371.	4.8	13
149	Cloning, pharmacology, and distribution of the neuropeptide Y-receptor Yb in rainbow trout. Peptides, 2003, 24, 385-395.	2.4	12
150	GABA and its Bâ€receptor are present at the node of <scp>R</scp>anvier in a small population of sensory fibers, implicating a role in myelination. Journal of Neuroscience Research, 2015, 93, 285-295.	2.9	12
151	SLC38A10 (SNAT10) is Located in ER and Golgi Compartments and Has a Role in Regulating Nascent Protein Synthesis. International Journal of Molecular Sciences, 2019, 20, 6265.	4.1	12
152	Allelotyping by massively parallel pyrosequencing of SNP-carrying trinucleotide threads. Human Mutation, 2008, 29, 323-329.	2.5	11
153	Glucose Availability Alters Gene and Protein Expression of Several Newly Classified and Putative Solute Carriers in Mice Cortex Cell Culture and D. melanogaster. Frontiers in Cell and Developmental Biology, 2020, 8, 579.	3.7	11
154	Histological characterization of orphan transporter MCT14 (SLC16A14) shows abundant expression in mouse CNS and kidney. BMC Neuroscience, 2016, 17, 43.	1.9	10
155	SLC38A10 Transporter Plays a Role in Cell Survival Under Oxidative Stress and Glutamate Toxicity. Frontiers in Molecular Biosciences, 2021, 8, 671865.	3.5	9
156	The Phylogenetic Relationship of the Glutamate and Pheromone G-Protein-Coupled Receptors in Different Vertebrate Species. Annals of the New York Academy of Sciences, 2005, 1040, 230-233.	3.8	8
157	PAT4 is abundantly expressed in excitatory and inhibitory neurons as well as epithelial cells. Brain Research, 2014, 1557, 12-25.	2.2	8
158	A Combinatorial Approach to Induce Sensory Axon Regeneration into the Dorsal Root Avulsed Spinal Cord. Stem Cells and Development, 2017, 26, 1065-1077.	2.1	8
159	A Single Î9-Tetrahydrocannabinol (THC) Dose During Brain Development Affects Markers of Neurotrophy, Oxidative Stress, and Apoptosis. Frontiers in Pharmacology, 2019, 10, 1156.	3.5	8
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