

# Claes Wahlestedt

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9322383/claes-wahlestedt-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

219  
papers

20,001  
citations

71  
h-index

139  
g-index

250  
ext. papers

22,372  
ext. citations

8.9  
avg, IF

6.88  
L-index

#	Paper	IF	Citations
219	Expression of a noncoding RNA is elevated in Alzheimer's disease and drives rapid feed-forward regulation of beta-secretase. <i>Nature Medicine</i> , <b>2008</b> , 14, 723-30	50.5	1070
218	Genome-wide analysis of mammalian promoter architecture and evolution. <i>Nature Genetics</i> , <b>2006</b> , 38, 626-35	36.3	1021
217	Embryonic stem cells develop into functional dopaminergic neurons after transplantation in a Parkinson rat model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 2344-9	11.5	1000
216	The Landscape of long noncoding RNA classification. <i>Trends in Genetics</i> , <b>2015</b> , 31, 239-51	8.5	677
215	Regulatory roles of natural antisense transcripts. <i>Nature Reviews Molecular Cell Biology</i> , <b>2009</b> , 10, 637-43	8.7	567
214	Evidence for different pre-and post-junctional receptors for neuropeptide Y and related peptides. <i>Regulatory Peptides</i> , <b>1986</b> , 13, 307-18		563
213	Myogenic gene expression signature establishes that brown and white adipocytes originate from distinct cell lineages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 4401-6	11.5	550
212	Inhibition of natural antisense transcripts in vivo results in gene-specific transcriptional upregulation. <i>Nature Biotechnology</i> , <b>2012</b> , 30, 453-9	44.5	476
211	Locked nucleic acid (LNA) mediated improvements in siRNA stability and functionality. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 439-47	20.1	402
210	Evidence for natural antisense transcript-mediated inhibition of microRNA function. <i>Genome Biology</i> , <b>2010</b> , 11, R56	18.3	375
209	Targeting long non-coding RNA to therapeutically upregulate gene expression. <i>Nature Reviews Drug Discovery</i> , <b>2013</b> , 12, 433-46	64.1	373
208	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. <i>Nature Genetics</i> , <b>2009</b> , 41, 553-62	36.3	356
207	Neuropeptide Y potentiates the effect of various vasoconstrictor agents on rabbit blood vessels. <i>British Journal of Pharmacology</i> , <b>1984</b> , 83, 519-25	8.6	342
206	Non-coding RNAs as direct and indirect modulators of epigenetic regulation. <i>Epigenetics</i> , <b>2014</b> , 9, 3-12	5.7	333
205	The reality of pervasive transcription. <i>PLoS Biology</i> , <b>2011</b> , 9, e1000625; discussion e1001102	9.7	325
204	Striatal microRNA controls cocaine intake through CREB signalling. <i>Nature</i> , <b>2010</b> , 466, 197-202	50.4	310
203	Altering the course of schizophrenia: progress and perspectives. <i>Nature Reviews Drug Discovery</i> , <b>2016</b> , 15, 485-515	64.1	284

202	Neuropeptide Y (NPY) in the area of the hypothalamic paraventricular nucleus activates the pituitary-adrenocortical axis in the rat. <i>Brain Research</i> , <b>1987</b> , 417, 33-8	3.7	272
201	Using molecular classification to predict gains in maximal aerobic capacity following endurance exercise training in humans. <i>Journal of Applied Physiology</i> , <b>2010</b> , 108, 1487-96	3.7	252
200	Antisense oligonucleotide strategies in neuropharmacology. <i>Trends in Pharmacological Sciences</i> , <b>1994</b> , 15, 42-6	13.2	252
199	Complex Loci in human and mouse genomes. <i>PLoS Genetics</i> , <b>2006</b> , 2, e47	6	246
198	MicroRNA-219 modulates NMDA receptor-mediated neurobehavioral dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 3507-12	11.5	239
197	MicroRNA-132 dysregulation in schizophrenia has implications for both neurodevelopment and adult brain function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 3125-30	11.5	233
196	Regulation of chromatin structure by long noncoding RNAs: focus on natural antisense transcripts. <i>Trends in Genetics</i> , <b>2012</b> , 28, 389-96	8.5	216
195	Neuropeptide Y receptor subtypes, Y1 and Y2. <i>Annals of the New York Academy of Sciences</i> , <b>1990</b> , 611, 7-26	6.5	213
194	Emerging treatment strategies for glioblastoma multiforme. <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 1359-70	12	198
193	Basic biology and therapeutic implications of lncRNA. <i>Advanced Drug Delivery Reviews</i> , <b>2015</b> , 87, 15-24	18.5	196
192	Integration of microRNA changes in vivo identifies novel molecular features of muscle insulin resistance in type 2 diabetes. <i>Genome Medicine</i> , <b>2010</b> , 2, 9	14.4	188
191	A small molecule enhances RNA interference and promotes microRNA processing. <i>Nature Biotechnology</i> , <b>2008</b> , 26, 933-40	44.5	187
190	Platelets activated during myocardial infarction release functional miRNA, which can be taken up by endothelial cells and regulate ICAM1 expression. <i>Blood</i> , <b>2013</b> , 121, 3908-17, S1-26	2.2	186
189	A systematic analysis of the silencing effects of an active siRNA at all single-nucleotide mismatched target sites. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 1671-7	20.1	184
188	Therapeutic potential of neuropeptide Y (NPY) receptor ligands. <i>EMBO Molecular Medicine</i> , <b>2010</b> , 2, 429-39	39	168
187	Specific inhibition of endogenous neuropeptide Y synthesis in arcuate nucleus by antisense oligonucleotides suppresses feeding behavior and insulin secretion. <i>Molecular Brain Research</i> , <b>1994</b> , 21, 55-61		159
186	Serum long noncoding RNA HOTAIR as a novel diagnostic and prognostic biomarker in glioblastoma multiforme. <i>Molecular Cancer</i> , <b>2018</b> , 17, 74	42.1	154
185	Regulation of the apolipoprotein gene cluster by a long noncoding RNA. <i>Cell Reports</i> , <b>2014</b> , 6, 222-30	10.6	153

184	Personalized medicine in psychiatry: problems and promises. <i>BMC Medicine</i> , <b>2013</b> , 11, 132	11.4	153
183	The Bromodomain protein BRD4 controls HOTAIR, a long noncoding RNA essential for glioblastoma proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8326-31	11.5	147
182	MicroRNA dysregulation in psychiatric disease. <i>Brain Research</i> , <b>2010</b> , 1338, 89-99	3.7	147
181	A novel RNA transcript with antiapoptotic function is silenced in fragile X syndrome. <i>PLoS ONE</i> , <b>2008</b> , 3, e1486	3.7	145
180	Decreased cerebrospinal fluid neuropeptide Y (NPY) in patients with treatment refractory unipolar major depression: preliminary evidence for association with preproNPY gene polymorphism. <i>Journal of Psychiatric Research</i> , <b>2004</b> , 38, 113-21	5.2	145
179	Identification of cultured cells selectively expressing Y1-, Y2-, or Y3-type receptors for neuropeptide Y/peptide YY. <i>Life Sciences</i> , <b>1992</b> , 50, PL7-12	6.8	133
178	Human muscle gene expression responses to endurance training provide a novel perspective on Duchenne muscular dystrophy. <i>FASEB Journal</i> , <b>2005</b> , 19, 750-60	0.9	121
177	Calcitonin gene-related peptide in the eye: release by sensory nerve stimulation and effects associated with neurogenic inflammation. <i>Regulatory Peptides</i> , <b>1986</b> , 16, 107-15		119
176	Improved and automated prediction of effective siRNA. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 319, 264-74	3.4	115
175	Mitogenic effect of neuropeptide Y in rat vascular smooth muscle cells. <i>Peptides</i> , <b>1993</b> , 14, 263-8	3.8	111
174	Characterization of vascular neuropeptide Y receptors. <i>British Journal of Pharmacology</i> , <b>1992</b> , 105, 45-508.6		111
173	Electroconvulsive shocks increase the concentration of neocortical and hippocampal neuropeptide Y (NPY)-like immunoreactivity in the rat. <i>Brain Research</i> , <b>1990</b> , 507, 65-8	3.7	106
172	Amygdala-dependent fear is regulated by Oprl1 in mice and humans with PTSD. <i>Science Translational Medicine</i> , <b>2013</b> , 5, 188ra73	17.5	105
171	The human PINK1 locus is regulated in vivo by a non-coding natural antisense RNA during modulation of mitochondrial function. <i>BMC Genomics</i> , <b>2007</b> , 8, 74	4.5	104
170	Small GTP-binding protein Rac is an essential mediator of vascular endothelial growth factor-induced endothelial fenestrations and vascular permeability. <i>Circulation</i> , <b>2003</b> , 107, 1532-8	16.7	103
169	Natural antisense and noncoding RNA transcripts as potential drug targets. <i>Drug Discovery Today</i> , <b>2006</b> , 11, 503-8	8.8	102
168	BET bromodomain proteins are required for glioblastoma cell proliferation. <i>Epigenetics</i> , <b>2014</b> , 9, 611-20	5.7	100
167	Oligonucleotide therapies for disorders of the nervous system. <i>Nature Biotechnology</i> , <b>2017</b> , 35, 249-263	44.5	99

166	Histone deacetylases (HDACs) and brain function. <i>Neuroepigenetics</i> , <b>2015</b> , 1, 20-27		97
165	Knockdown of BACE1-AS Nonprotein-Coding Transcript Modulates Beta-Amyloid-Related Hippocampal Neurogenesis. <i>International Journal of Alzheimeris Disease</i> , <b>2011</b> , 2011, 929042	3.7	97
164	Neuropeptide Y (NPY)-induced suppression of activity in the rat: evidence for NPY receptor heterogeneity and for interaction with alpha-adrenoceptors. <i>European Journal of Pharmacology</i> , <b>1988</b> , 157, 205-13	5.3	96
163	Identification of a cancer stem cell-specific function for the histone deacetylases, HDAC1 and HDAC7, in breast and ovarian cancer. <i>Oncogene</i> , <b>2017</b> , 36, 1707-1720	9.2	92
162	Gain of function of ASXL1 truncating protein in the pathogenesis of myeloid malignancies. <i>Blood</i> , <b>2018</b> , 131, 328-341	2.2	91
161	Natural antisense transcripts. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, R54-63	5.6	90
160	Intronic RNAs constitute the major fraction of the non-coding RNA in mammalian cells. <i>BMC Genomics</i> , <b>2012</b> , 13, 504	4.5	87
159	Comprehensive analysis of the transcriptional landscape of the human FMR1 gene reveals two new long noncoding RNAs differentially expressed in Fragile X syndrome and Fragile X-associated tremor/ataxia syndrome. <i>Human Genetics</i> , <b>2014</b> , 133, 59-67	6.3	85
158	Involvement of long noncoding RNAs in diseases affecting the central nervous system. <i>RNA Biology</i> , <b>2012</b> , 9, 860-70	4.8	85
157	Noncoding RNAs: couplers of analog and digital information in nervous system function?. <i>Trends in Neurosciences</i> , <b>2007</b> , 30, 612-21	13.3	85
156	Involvement of Trp-284, Val-296, and Val-297 of the human delta-opioid receptor in binding of delta-selective ligands. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 18789-96	5.4	83
155	A proposed bovine neuropeptide Y (NPY) receptor cDNA clone, or its human homologue, confers neither NPY binding sites nor NPY responsiveness on transfected cells. <i>Regulatory Peptides</i> , <b>1993</b> , 47, 247-58		82
154	Inhibition of HDAC3 reverses Alzheimer's disease-related pathologies in vitro and in the 3xTg-AD mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E11148-E11157	11.5	82
153	Hypothalamic neuropeptide Y, its gene expression and receptor activity: relation to circulating corticosterone in adrenalectomized rats. <i>Brain Research</i> , <b>1994</b> , 665, 201-12	3.7	81
152	Upregulation of Haploinsufficient Gene Expression in the Brain by Targeting a Long Non-coding RNA Improves Seizure Phenotype in a Model of Dravet Syndrome. <i>EBioMedicine</i> , <b>2016</b> , 9, 257-277	8.8	79
151	The BET bromodomain inhibitor I-BET151 acts downstream of smoothed protein to abrogate the growth of hedgehog protein-driven cancers. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 35494-502	5.4	78
150	Receptor-selective analogs demonstrate NPY/PYY receptor heterogeneity in rat brain. <i>Neuroscience Letters</i> , <b>1991</b> , 130, 32-6	3.3	77
149	Neuropeptide Y (NPY) and the central nervous system: distribution effects and possible relationship to neurological and psychiatric disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>1989</b> , 13, 31-54	5.5	72

148	HuD regulates coding and noncoding RNA to induce APP-A $\beta$ processing. <i>Cell Reports</i> , <b>2014</b> , 7, 1401-1409	10.6	70
147	Altered regulation of the PINK1 locus: a link between type 2 diabetes and neurodegeneration?. <i>FASEB Journal</i> , <b>2007</b> , 21, 3653-65	0.9	69
146	Human neuropeptide Y signal peptide gain-of-function polymorphism is associated with increased body mass index: possible mode of function. <i>Regulatory Peptides</i> , <b>2005</b> , 127, 45-53		68
145	Activity-induced and developmental downregulation of the Nogo receptor. <i>Cell and Tissue Research</i> , <b>2003</b> , 311, 333-42	4.2	66
144	Supersensitivity to substance P and physalaemin in rat salivary glands after denervation or decentralization. <i>Acta Physiologica Scandinavica</i> , <b>1982</b> , 115, 437-46		66
143	Characterisation of an ATP receptor mediating mitogenesis in vascular smooth muscle cells. <i>European Journal of Pharmacology</i> , <b>1995</b> , 289, 135-49		65
142	Screening for Small-Molecule Modulators of Long Noncoding RNA-Protein Interactions Using AlphaScreen. <i>Journal of Biomolecular Screening</i> , <b>2015</b> , 20, 1132-41		62
141	Vascular effects of proteinase-activated receptor 2 agonist peptide. <i>Journal of Vascular Research</i> , <b>1997</b> , 34, 267-72	1.9	62
140	microRNAs in CNS disorders. <i>NeuroMolecular Medicine</i> , <b>2009</b> , 11, 162-72	4.6	61
139	shinyheatmap: Ultra fast low memory heatmap web interface for big data genomics. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176334	3.7	61
138	Expression profiling following local muscle inactivity in humans provides new perspective on diabetes-related genes. <i>Genomics</i> , <b>2006</b> , 87, 165-72	4.3	59
137	Antisense RNA controls LRP1 Sense transcript expression through interaction with a chromatin-associated protein, HMGB2. <i>Cell Reports</i> , <b>2015</b> , 11, 967-976	10.6	58
136	Apoptosis resistance downstream of eIF4E: posttranscriptional activation of an anti-apoptotic transcript carrying a consensus hairpin structure. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, 4375-86	20.1	57
135	Effective small interfering RNAs and phosphorothioate antisense DNAs have different preferences for target sites in the luciferase mRNAs. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 306, 712-7	3.4	56
134	Cellular uptake of intracerebroventricularly administered biotin- or digoxigenin-labeled antisense oligodeoxynucleotides in the rat. <i>Cellular and Molecular Neurobiology</i> , <b>1994</b> , 14, 475-86	4.6	56
133	Long-lasting inhibition of the cardiovascular responses to glutamate and the baroreceptor reflex elicited by neuropeptide Y injected into the nucleus tractus solitarius of the rat. <i>Neuroscience Letters</i> , <b>1991</b> , 122, 135-9	3.3	55
132	Strategies to Annotate and Characterize Long Noncoding RNAs: Advantages and Pitfalls. <i>Trends in Genetics</i> , <b>2018</b> , 34, 704-721	8.5	54
131	Analysis of siRNA specificity on targets with double-nucleotide mismatches. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, e53	20.1	54

130	The Emerging Role of Non-Coding RNAs in Drug Addiction. <i>Frontiers in Genetics</i> , <b>2012</b> , 3, 106	4.5	52
129	Pseudo-messenger RNA: phantoms of the transcriptome. <i>PLoS Genetics</i> , <b>2006</b> , 2, e23	6	51
128	A novel single nucleotide polymorphism of the neuropeptide Y (NPY) gene associated with alcohol dependence. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2005</b> , 29, 702-7	3.7	51
127	RNA interference is not involved in natural antisense mediated regulation of gene expression in mammals. <i>Genome Biology</i> , <b>2006</b> , 7, R38	18.3	48
126	Behavioural analysis of melanin-concentrating hormone in rats: evidence for orexigenic and anxiolytic properties. <i>Regulatory Peptides</i> , <b>2003</b> , 114, 109-14		48
125	Antisense inhibition of delta-opioid receptor gene function in vivo by peptide nucleic acids. <i>Molecular Pharmacology</i> , <b>2000</b> , 57, 725-31	4.3	48
124	Epigenetic Readers of Lysine Acetylation Regulate Cocaine-Induced Plasticity. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 15062-72	6.6	47
123	NotI subtraction and NotI-specific microarrays to detect copy number and methylation changes in whole genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 10724-9	11.5	47
122	Defective HNF4alpha-dependent gene expression as a driver of hepatocellular failure in alcoholic hepatitis. <i>Nature Communications</i> , <b>2019</b> , 10, 3126	17.4	46
121	The BET-Bromodomain Inhibitor JQ1 Reduces Inflammation and Tau Phosphorylation at Ser396 in the Brain of the 3XTg Model of Alzheimer's Disease. <i>Current Alzheimer Research</i> , <b>2016</b> , 13, 985-95	3	46
120	Selective and brain penetrant neuropeptide y2 receptor antagonists discovered by whole-cell high-throughput screening. <i>Molecular Pharmacology</i> , <b>2010</b> , 77, 46-57	4.3	45
119	Role of Sirtuin 1 in metabolic regulation. <i>Drug Discovery Today</i> , <b>2010</b> , 15, 781-91	8.8	45
118	Quantitation of NMDA receptor (NMDAR1) mRNA levels in the adult and developing rat CNS. <i>Molecular Brain Research</i> , <b>1993</b> , 19, 93-100		45
117	Epigenetic pathways and glioblastoma treatment. <i>Epigenetics</i> , <b>2013</b> , 8, 785-95	5.7	44
116	Drug and disease signature integration identifies synergistic combinations in glioblastoma. <i>Nature Communications</i> , <b>2018</b> , 9, 5315	17.4	44
115	Novel "restoration of function" mutagenesis strategy to identify amino acids of the delta-opioid receptor involved in ligand binding. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 9260-7	5.4	43
114	A novel method using baculovirus-mediated gene transfer for production of recombinant adeno-associated virus vectors. <i>Journal of General Virology</i> , <b>2001</b> , 82, 2051-2060	4.9	39
113	RNA Interference with chemically modified siRNA. <i>Current Topics in Medicinal Chemistry</i> , <b>2006</b> , 6, 893-900		38



112	A universal plasmid library encoding all permutations of small interfering RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 2356-61	11.5	38
111	The novel BET-CBP/p300 dual inhibitor NEO2734 is active in SPOP mutant and wild-type prostate cancer. <i>EMBO Molecular Medicine</i> , <b>2019</b> , 11, e10659	12	37
110	Epigenetic mechanisms of gene regulation during mammalian spermatogenesis. <i>Epigenetics</i> , <b>2008</b> , 3, 21-8	5.7	37
109	Transcriptomic Profiling of Extracellular RNAs Present in Cerebrospinal Fluid Identifies Differentially Expressed Transcripts in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , <b>2016</b> , 6, 109-117	5.3	35
108	Vitamin C Sensitizes Melanoma to BET Inhibitors. <i>Cancer Research</i> , <b>2018</b> , 78, 572-583	10.1	35
107	M344 promotes nonamyloidogenic amyloid precursor protein processing while normalizing Alzheimer's disease genes and improving memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9135-E9144	11.5	34
106	Validating siRNA using a reporter made from synthetic DNA oligonucleotides. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 325, 243-9	3.4	34
105	Dependence-induced increase of alcohol self-administration and compulsive drinking mediated by the histone methyltransferase PRDM2. <i>Molecular Psychiatry</i> , <b>2017</b> , 22, 1746-1758	15.1	33
104	HeatmapGenerator: high performance RNAseq and microarray visualization software suite to examine differential gene expression levels using an R and C++ hybrid computational pipeline. <i>Source Code for Biology and Medicine</i> , <b>2014</b> , 9, 30	1.9	32
103	Association between the nociceptin receptor gene (OPRL1) single nucleotide polymorphisms and alcohol dependence. <i>Addiction Biology</i> , <b>2008</b> , 13, 88-94	4.6	32
102	I-BET151 selectively regulates IL-6 production. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2014</b> , 1842, 1549-55	6.9	31
101	Complex HTR2C linkage disequilibrium and promoter associations with body mass index and serum leptin. <i>Human Genetics</i> , <b>2005</b> , 117, 545-57	6.3	31
100	Modulation of vascular function by neuropeptide Y during development of hypertension in spontaneously hypertensive rats. <i>Pediatric Nephrology</i> , <b>1993</b> , 7, 845-52	3.2	31
99	RNAi screen indicates widespread biological function for human natural antisense transcripts. <i>PLoS ONE</i> , <b>2010</b> , 5, e13177	3.7	30
98	mRNA accessible site tagging (MAST): a novel high throughput method for selecting effective antisense oligonucleotides. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, e72	20.1	30
97	Enhancement of BDNF Expression and Memory by HDAC Inhibition Requires BET Bromodomain Reader Proteins. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 612-626	6.6	30
96	Reprogramming of mPFC transcriptome and function in alcohol dependence. <i>Genes, Brain and Behavior</i> , <b>2017</b> , 16, 86-100	3.6	29
95	Adult neurogenesis: a potential tool for early diagnosis in Alzheimer's disease?. <i>Journal of Alzheimer's Disease</i> , <b>2010</b> , 20, 395-408	4.3	29



94	A two-dimensional protein map of <i>Caenorhabditis elegans</i> . <i>Electrophoresis</i> , <b>2001</b> , 22, 1224-32	3.6	29
93	The long non-coding RNA FMR4 promotes proliferation of human neural precursor cells and epigenetic regulation of gene expression in trans. <i>Molecular and Cellular Neurosciences</i> , <b>2016</b> , 74, 49-57	4.8	29
92	Ex-vivo sensitivity profiling to guide clinical decision making in acute myeloid leukemia: A pilot study. <i>Leukemia Research</i> , <b>2018</b> , 64, 34-41	2.7	29
91	hUNC93B1: a novel human gene representing a new gene family and encoding an unc-93-like protein. <i>Gene</i> , <b>2002</b> , 283, 209-17	3.8	28
90	Ischemic Preconditioning Confers Epigenetic Repression of Mtor and Induction of Autophagy Through G9a-Dependent H3K9 Dimethylation. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	27
89	Non-coding RNA transcripts: sensors of neuronal stress, modulators of synaptic plasticity, and agents of change in the onset of Alzheimer's disease. <i>Neuroscience Letters</i> , <b>2009</b> , 466, 81-8	3.3	26
88	Cloning and evaluation of the role of rat GALR-2, a novel subtype of galanin receptor, in the control of pain perception. <i>Annals of the New York Academy of Sciences</i> , <b>1998</b> , 863, 108-19	6.5	26
87	Locked nucleic acid containing antisense oligonucleotides enhance inhibition of HIV-1 genome dimerization and inhibit virus replication. <i>FEBS Letters</i> , <b>2004</b> , 578, 285-90	3.8	26
86	Characterization of specific binding sites for alpha-trinositol (D-myo-inositol 1,2,6-trisphosphate) in rat tissues. <i>European Journal of Pharmacology</i> , <b>1994</b> , 268, 55-63		26
85	Developments in lncRNA drug discovery: where are we heading?. <i>Expert Opinion on Drug Discovery</i> , <b>2018</b> , 13, 837-849	6.2	25
84	Extracellular Uridine Triphosphate and Adenosine Triphosphate Attenuate Endothelial Inflammation through miR-22-Mediated ICAM-1 Inhibition. <i>Journal of Vascular Research</i> , <b>2015</b> , 52, 71-80	1.9	24
83	Dipeptide repeat proteins inhibit homology-directed DNA double strand break repair in C9ORF72 ALS/FTD. <i>Molecular Neurodegeneration</i> , <b>2020</b> , 15, 13	19	24
82	Kinetics of senescence-associated changes of gene expression in an epithelial, temperature-sensitive SV40 large T antigen model. <i>Cancer Research</i> , <b>2004</b> , 64, 482-9	10.1	23
81	A coding and non-coding transcriptomic perspective on the genomics of human metabolic disease. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 7772-7792	20.1	22
80	No induction of anti-viral responses in human cell lines HeLa and MCF-7 when transfecting with siRNA or siLNA. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 341, 1211-7	3.4	22
79	The nociceptin/orphanin FQ receptor agonist SR-8993 as a candidate therapeutic for alcohol use disorders: validation in rat models. <i>Psychopharmacology</i> , <b>2016</b> , 233, 3553-63	4.7	21
78	Functional annotation of the vlinc class of non-coding RNAs using systems biology approach. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 3233-52	20.1	21
77	Functional comparison of single- and double-stranded siRNAs in mammalian cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 316, 680-7	3.4	20

76	NPY Leu7Pro and alcohol dependence in Finnish and Swedish populations. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2003</b> , 27, 19-24	3.7	20
75	Bromodomain inhibitors regulate the C9ORF72 locus in ALS. <i>Experimental Neurology</i> , <b>2015</b> , 271, 241-50	5.7	19
74	Specific binding of inositol hexakisphosphate (phytic acid) to adrenal chromaffin cell membranes and effects on calcium-dependent catecholamine release. <i>Biochemical Pharmacology</i> , <b>1992</b> , 43, 1331-6	6	19
73	Novel approach reveals genomic landscapes of single-strand DNA breaks with nucleotide resolution in human cells. <i>Nature Communications</i> , <b>2019</b> , 10, 5799	17.4	19
72	Changes in expression of the long non-coding RNA FMR4 associate with altered gene expression during differentiation of human neural precursor cells. <i>Frontiers in Genetics</i> , <b>2015</b> , 6, 263	4.5	18
71	NotI flanking sequences: a tool for gene discovery and verification of the human genome. <i>Nucleic Acids Research</i> , <b>2002</b> , 30, 3163-70	20.1	17
70	Hirschsprung's disease: a comparison of the nervous control of ganglionic and aganglionic smooth muscle in vitro. <i>Journal of Pediatric Surgery</i> , <b>1987</b> , 22, 431-5	2.6	17
69	C9orf72 promoter hypermethylation is reduced while hydroxymethylation is acquired during reprogramming of ALS patient cells. <i>Experimental Neurology</i> , <b>2016</b> , 277, 171-177	5.7	16
68	A C9ORF72 BAC mouse model recapitulates key epigenetic perturbations of ALS/FTD. <i>Molecular Neurodegeneration</i> , <b>2017</b> , 12, 46	19	16
67	The FMR1 promoter is selectively hydroxymethylated in primary neurons of fragile X syndrome patients. <i>Human Molecular Genetics</i> , <b>2016</b> , 25, 4870-4880	5.6	16
66	Dysregulation of the histone demethylase KDM6B in alcohol dependence is associated with epigenetic regulation of inflammatory signaling pathways. <i>Addiction Biology</i> , <b>2021</b> , 26, e12816	4.6	16
65	A visual intracellular classification strategy for uncharacterized human proteins. <i>Experimental Cell Research</i> , <b>2000</b> , 259, 239-46	4.2	15
64	Vitamin C supplementation expands the therapeutic window of BETi for triple negative breast cancer. <i>EBioMedicine</i> , <b>2019</b> , 43, 201-210	8.8	14
63	Cocaine Exposure Increases Blood Pressure and Aortic Stiffness via the miR-30c-5p-Malic Enzyme 1-Reactive Oxygen Species Pathway. <i>Hypertension</i> , <b>2018</b> , 71, 752-760	8.5	14
62	BET Bromodomain Inhibitors Which Permit Treg Function Enable a Combinatorial Strategy to Suppress GVHD in Pre-clinical Allogeneic HSCT. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 3104	8.4	13
61	Genetics of neurological disorders. <i>Expert Review of Molecular Diagnostics</i> , <b>2004</b> , 4, 317-32	3.8	13
60	Molecular Transducers of Human Skeletal Muscle Remodeling under Different Loading States. <i>Cell Reports</i> , <b>2020</b> , 32, 107980	10.6	13
59	Antitumor activity of the dual BET and CBP/EP300 inhibitor NEO2734. <i>Blood Advances</i> , <b>2020</b> , 4, 4124-4135	3.58	13

58	Transcriptional repression of ER through hMAPK dependent histone deacetylation by class I HDACs. <i>Breast Cancer Research and Treatment</i> , <b>2014</b> , 147, 249-63	4.4	12
57	Focusing on RISC assembly in mammalian cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 368, 703-8	3.4	12
56	Neuropeptide Y suppresses the neurogenic inflammatory response in the rabbit eye; mode of action. <i>Regulatory Peptides</i> , <b>1993</b> , 43, 57-64		12
55	Longevity-related molecular pathways are subject to midlife "switch" in humans. <i>Aging Cell</i> , <b>2019</b> , 18, e12970	9.9	11
54	Synthesis and SAR of selective small molecule neuropeptide Y Y2 receptor antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 3916-20	2.9	11
53	Natural antisense transcripts as therapeutic targets. <i>Drug Discovery Today: Therapeutic Strategies</i> , <b>2013</b> , 10, e119-e125		11
52	GeneLynx mouse: integrated portal to the mouse genome. <i>Genome Research</i> , <b>2003</b> , 13, 1501-4	9.7	11
51	Isolation and chromosomal localization of a new human retinoblastoma binding protein 2 homologue 1a (RBBP2H1A). <i>European Journal of Human Genetics</i> , <b>2000</b> , 8, 407-13	5.3	11
50	Sexual Dimorphism in the 3xTg-AD Mouse Model and Its Impact on Pre-Clinical Research. <i>Journal of Alzheimeris Disease</i> , <b>2021</b> , 80, 41-52	4.3	11
49	HDAC Inhibitors Induce Expression and Promote Neurite Outgrowth in Human Neural Progenitor Cells-Derived Neurons. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	10
48	Neuropeptide Y receptor gene regulation in mouse adrenocortical Y-1 cells. <i>Regulatory Peptides</i> , <b>1996</b> , 63, 53-6		10
47	Dual Screen for Efficacy and Toxicity Identifies HDAC Inhibitor with Distinctive Activity Spectrum for BAP1-Mutant Uveal Melanoma. <i>Molecular Cancer Research</i> , <b>2021</b> , 19, 215-222	6.6	10
46	Characterization of RNA interference in rat PC12 cells: requirement of GERp95. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 318, 927-34	3.4	9
45	Initial isolation and analysis of the human Kv1.7 (KCNA7) gene, a member of the voltage-gated potassium channel gene family. <i>Gene</i> , <b>2001</b> , 268, 115-22	3.8	9
44	MicroScope: CHIP-seq and RNA-seq software analysis suite for gene expression heatmaps. <i>BMC Bioinformatics</i> , <b>2016</b> , 17, 390	3.6	9
43	Nociceptin receptor activation does not alter acquisition, expression, extinction and reinstatement of conditioned cocaine preference in mice. <i>Brain Research</i> , <b>2016</b> , 1632, 34-41	3.7	9
42	Orphan diseases: state of the drug discovery art. <i>Wiener Medizinische Wochenschrift</i> , <b>2017</b> , 167, 197-204	2.9	8
41	Is histamine a neurotransmitter in the gut? Evidence from histidine decarboxylase immunocytochemistry. <i>Acta Physiologica Scandinavica</i> , <b>1985</b> , 123, 225-7		8

40	Precision medicine in the treatment stratification of AML patients: challenges and progress. <i>Oncotarget</i> , <b>2018</b> , 9, 37790-37797	3.3	8
39	Epigenomic and metabolic responses of hypothalamic POMC neurons to gestational nicotine exposure in adult offspring. <i>Genome Medicine</i> , <b>2016</b> , 8, 93	14.4	8
38	Ovarian Cancer Treatment Stratification Using Drug Sensitivity Testing. <i>Anticancer Research</i> , <b>2019</b> , 39, 4023-4030	2.3	7
37	Gene characterization index: assessing the depth of gene annotation. <i>PLoS ONE</i> , <b>2008</b> , 3, e1440	3.7	7
36	Nonsynonymous SNPs: validation characteristics, derived allele frequency patterns, and suggestive evidence for natural selection. <i>Human Mutation</i> , <b>2006</b> , 27, 173-86	4.7	7
35	Analysis of 5-hydroxytryptamine 2c receptor gene promoter variants as alcohol-dependence risk factors. <i>Alcohol and Alcoholism</i> , <b>2004</b> , 39, 380-5	3.5	7
34	Neuropeptide Y Y2 antagonist treated ovariectomized mice exhibit greater bone mineral density. <i>Neuropeptides</i> , <b>2018</b> , 67, 45-55	3.3	7
33	EZH1 is an antipsychotic-sensitive epigenetic modulator of social and motivational behavior that is dysregulated in schizophrenia. <i>Neurobiology of Disease</i> , <b>2018</b> , 119, 149-158	7.5	6
32	Oligonucleotides for upregulating gene expression. <i>Pharmaceutical Patent Analyst</i> , <b>2013</b> , 2, 215-29	0.6	6
31	Anti-cataleptic effects of clozapine, but not olanzapine and quetiapine, on SCH 23390- or raclopride-induced catalepsy in rats. <i>European Neuropsychopharmacology</i> , <b>2003</b> , 13, 177-82	1.2	6
30	Isolation of sex-specific cDNAs from fetal mouse brain using mRNA differential display and representational difference analysis. <i>Molecular Brain Research</i> , <b>1999</b> , 74, 91-7		6
29	Effects of phosphorothioated neuropeptide Y Y1-receptor antisense oligodeoxynucleotide in conscious rats and in human vessels. <i>British Journal of Pharmacology</i> , <b>1996</b> , 118, 131-6	8.6	6
28	Molecular mechanisms of psychiatric diseases. <i>Neurobiology of Disease</i> , <b>2020</b> , 146, 105136	7.5	6
27	Effects of some novel D-myo-inositol-phosphate derivatives on binding and sympathetic transmission. <i>Journal of Cardiovascular Pharmacology</i> , <b>1995</b> , 25, 696-704	3.1	5
26	Alcohol use disorder causes global changes in splicing in the human brain. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 2	8.6	5
25	Cocaine alters Homer1 natural antisense transcript in the nucleus accumbens. <i>Molecular and Cellular Neurosciences</i> , <b>2017</b> , 85, 183-189	4.8	4
24	DOT1L is a novel cancer stem cell target for triple negative breast cancer.. <i>Clinical Cancer Research</i> , <b>2022</b> ,	12.9	4
23	The bromodomain inhibitor IBET-151 attenuates vismodegib-resistant esophageal adenocarcinoma growth through reduction of GLI signaling. <i>Oncotarget</i> , <b>2020</b> , 11, 3174-3187	3.3	4

22	Emerging Epigenetic Therapies in Neuroscience: Focus on Bromodomain-Containing Drug Targets. <i>Neuropsychopharmacology</i> , <b>2017</b> , 42, 374	8.7	3
21	Section Review: Biologicals & Immunologicals: Applications of antisense technology to both basic and clinical research. <i>Expert Opinion on Investigational Drugs</i> , <b>1995</b> , 4, 637-646	5.9	3
20	A Patient-Specific Ex Vivo Screening Platform for Personalized Acute Myeloid Leukemia (AML) Therapy. <i>Blood</i> , <b>2015</b> , 126, 1352-1352	2.2	3
19	Ex vivo drug sensitivity testing as a means for drug repurposing in esophageal adenocarcinoma. <i>PLoS ONE</i> , <b>2018</b> , 13, e0203173	3.7	3
18	Exploring the foundation of genomics: a northern blot reference set for the comparative analysis of transcript profiling technologies. <i>Comparative and Functional Genomics</i> , <b>2004</b> , 5, 584-95		2
17	Quantitative codon optimisation of DNA libraries encoding sub-random peptides: design and characterisation of a novel library encoding transmembrane domain peptides. <i>Nucleic Acids Research</i> , <b>2002</b> , 30, e133	20.1	2
16	CIS-cloning of identical sequences between two complex genomes. <i>Chromosome Research</i> , <b>2000</b> , 8, 77-84	4.4	2
15	RNAi joins the "Singles Club". <i>Molecular Therapy</i> , <b>2012</b> , 20, 2010-1	11.7	1
14	Strategies to detect heterologously expressed tachykinin receptors in <i>Xenopus Oocytes</i> . <i>Annals of the New York Academy of Sciences</i> , <b>1991</b> , 632, 116-22	6.5	1
13	The BET Bromodomain Inhibitors EP11313 and EP11336 Have Potent Anti-Leukemic Activity in Acute Myeloid Leukemia (AML) and Augment the Effects of All-Trans-Retinoic Acid (AtRA) in Vitro. <i>Blood</i> , <b>2015</b> , 126, 2552-2552	2.2	1
12	PubData: search engine for bioinformatics databases worldwide		1
11	How the strengths of Lisp-family languages facilitate building complex and flexible bioinformatics applications. <i>Briefings in Bioinformatics</i> , <b>2018</b> , 19, 537-543	13.4	1
10	Emerging Technologies for Genome-Wide Profiling of DNA Breakage. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 610386	4.5	1
9	A novel strategy for combination of clofarabine and pictilisib is synergistic in gastric cancer. <i>Translational Oncology</i> , <b>2021</b> , 15, 101260	4.9	0
8	Nucleic Acid-Based Therapeutics in Orphan Neurological Disorders: Recent Developments. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 643681	5.6	0
7	Direct Administration and Gene Modulation Using Antisense Oligonucleotides Within the CNS. <i>Cellular and Molecular Neurobiology</i> , <b>2021</b> , 41, 849-853	4.6	0
6	Benefits of a novel highly bioavailable resveratrol formulation, JOTROL, for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e046267	1.2	
5	High Doses of Neuropeptide Y Reduce Blood Pressure in Anesthetized Rats. <i>Annals of the New York Academy of Sciences</i> , <b>1990</b> , 611, 415-417	6.5	

- 4 Optimized functional annotation of CHIP-seq data. *F1000Research*, 8, 612 3.6
- 3 Epigenomics of neurological disorders **2020**, 41-58
- 2 Epigenomic Implications of Antisense Transcription. *FASEB Journal*, **2012**, 26, 333.4 0.9
- 1 A novel knockout mouse model of the noncoding antisense () gene displays increased endogenous Bdnf protein and improved memory function following exercise. *Heliyon*, **2021**, 7, e07570 3.6