

# William Wisden

## List of Publications by Citations

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141  
papers

13,871  
citations

57  
h-index

117  
g-index

153  
ext. papers

14,980  
ext. citations

9.4  
avg, IF

5.84  
L-index

#	Paper	IF	Citations
141	A family of AMPA-selective glutamate receptors. <i>Science</i> , <b>1990</b> , 249, 556-60	33.3	1390
140	Flip and flop: a cell-specific functional switch in glutamate-operated channels of the CNS. <i>Science</i> , <b>1990</b> , 249, 1580-5	33.3	1159
139	Differential expression of immediate early genes in the hippocampus and spinal cord. <i>Neuron</i> , <b>1990</b> , 4, 603-14	13.9	629
138	Structural and functional basis for GABAA receptor heterogeneity. <i>Nature</i> , <b>1988</b> , 335, 76-9	50.4	583
137	Light pulses that shift rhythms induce gene expression in the suprachiasmatic nucleus. <i>Science</i> , <b>1990</b> , 248, 1237-40	33.3	518
136	The KA-2 subunit of excitatory amino acid receptors shows widespread expression in brain and forms ion channels with distantly related subunits. <i>Neuron</i> , <b>1992</b> , 8, 775-85	13.9	492
135	Glutamate-operated channels: developmentally early and mature forms arise by alternative splicing. <i>Neuron</i> , <b>1991</b> , 6, 799-810	13.9	492
134	Adaptive regulation of neuronal excitability by a voltage-independent potassium conductance. <i>Nature</i> , <b>2001</b> , 409, 88-92	50.4	480
133	Cloning of a putative high-affinity kainate receptor expressed predominantly in hippocampal CA3 cells. <i>Nature</i> , <b>1991</b> , 351, 742-4	50.4	425
132	Calcium-permeable AMPA-kainate receptors in fusiform cerebellar glial cells. <i>Science</i> , <b>1992</b> , 256, 1566-70	33.3	386
131	Hippocampal theta rhythm and its coupling with gamma oscillations require fast inhibition onto parvalbumin-positive interneurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 3561-6	11.5	281
130	Mammalian ionotropic glutamate receptors. <i>Current Opinion in Neurobiology</i> , <b>1993</b> , 3, 291-8	7.6	276
129	The rat delta-1 and delta-2 subunits extend the excitatory amino acid receptor family. <i>FEBS Letters</i> , <b>1993</b> , 315, 318-22	3.8	270
128	Function and pharmacology of multiple GABAA receptor subunits. <i>Trends in Pharmacological Sciences</i> , <b>1991</b> , 12, 49-51	13.2	265
127	GABAA receptor channels: from subunits to functional entities. <i>Current Opinion in Neurobiology</i> , <b>1992</b> , 2, 263-9	7.6	234
126	Synaptic inhibition of Purkinje cells mediates consolidation of vestibulo-cerebellar motor learning. <i>Nature Neuroscience</i> , <b>2009</b> , 12, 1042-9	25.5	228
125	Cloning, pharmacological characteristics and expression pattern of the rat GABAA receptor alpha 4 subunit. <i>FEBS Letters</i> , <b>1991</b> , 289, 227-30	3.8	217

124	GABA(A) receptor cell surface number and subunit stability are regulated by the ubiquitin-like protein Plic-1. <i>Nature Neuroscience</i> , <b>2001</b> , 4, 908-16	25.5	201
123	Parvalbumin-positive CA1 interneurons are required for spatial working but not for reference memory. <i>Nature Neuroscience</i> , <b>2011</b> , 14, 297-9	25.5	196
122	Interleukin (IL)-4-independent induction of immunoglobulin (Ig)E, and perturbation of T cell development in transgenic mice expressing IL-13. <i>Journal of Experimental Medicine</i> , <b>1998</b> , 188, 399-404	16.6	165
121	Distinct GABAA receptor alpha subunit mRNAs show differential patterns of expression in bovine brain. <i>Neuron</i> , <b>1988</b> , 1, 937-47	13.9	155
120	Invalidation of TASK1 potassium channels disrupts adrenal gland zonation and mineralocorticoid homeostasis. <i>EMBO Journal</i> , <b>2008</b> , 27, 179-87	13	149
119	Neuronal ensembles sufficient for recovery sleep and the sedative actions of $\alpha$ adrenergic agonists. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 553-561	25.5	136
118	The GABAA receptor family: molecular and functional diversity. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>1990</b> , 55, 29-40	3.9	127
117	Modifying the subunit composition of TASK channels alters the modulation of a leak conductance in cerebellar granule neurons. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 11455-67	6.6	120
116	The cerebellum: a model system for studying GABAA receptor diversity. <i>Neuropharmacology</i> , <b>1996</b> , 35, 1139-60	5.5	117
115	High-affinity kainate and domoate receptors in rat brain. <i>FEBS Letters</i> , <b>1992</b> , 307, 139-43	3.8	115
114	A role for TASK-1 (KCNK3) channels in the chemosensory control of breathing. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 8844-50	6.6	112
113	Molecular biology of glutamate receptors. <i>Progress in Neurobiology</i> , <b>1994</b> , 42, 353-7	10.9	111
112	From synapse to behavior: rapid modulation of defined neuronal types with engineered GABAA receptors. <i>Nature Neuroscience</i> , <b>2007</b> , 10, 923-9	25.5	106
111	Expression of the neuronal calcium sensor protein family in the rat brain. <i>Neuroscience</i> , <b>2000</b> , 99, 205-16	3.9	104
110	Glutamate receptor expression in the rat retina. <i>Neuroscience Letters</i> , <b>1992</b> , 138, 179-82	3.3	103
109	The third gamma subunit of the gamma-aminobutyric acid type A receptor family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1992</b> , 89, 1433-7	11.5	102
108	Wakefulness Is Governed by GABA and Histamine Cotransmission. <i>Neuron</i> , <b>2015</b> , 87, 164-78	13.9	99
107	TASK-3 two-pore domain potassium channels enable sustained high-frequency firing in cerebellar granule neurons. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 9329-40	6.6	94

106	Alterations in the expression of GABAA receptor subunits in cerebellar granule cells after the disruption of the alpha6 subunit gene. <i>European Journal of Neuroscience</i> , <b>1999</b> , 11, 1685-97	3.5	90
105	Distribution of GABAA receptor subunit mRNAs in rat lumbar spinal cord. <i>Molecular Brain Research</i> , <b>1991</b> , 10, 179-83		85
104	Altered activity in the central medial thalamus precedes changes in the neocortex during transitions into both sleep and propofol anesthesia. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 13326-35	6.6	83
103	TASK-3 knockout mice exhibit exaggerated nocturnal activity, impairments in cognitive functions, and reduced sensitivity to inhalation anesthetics. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 323, 924-34	4.7	83
102	GABA and glutamate neurons in the VTA regulate sleep and wakefulness. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 106-119	25.5	83
101	GABA(A)-receptor subtypes: clinical efficacy and selectivity of benzodiazepine site ligands. <i>Annals of Medicine</i> , <b>1997</b> , 29, 275-82	1.5	78
100	Establishing a new mouse model for investigating the function of amygdala neurons in anxiety. <i>BMC Pharmacology</i> , <b>2008</b> , 8, A35		78
99	The in vivo contributions of TASK-1-containing channels to the actions of inhalation anesthetics, the alpha(2) adrenergic sedative dexmedetomidine, and cannabinoid agonists. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2006</b> , 317, 615-26	4.7	73
98	GABAergic inhibition of histaminergic neurons regulates active waking but not the sleep-wake switch or propofol-induced loss of consciousness. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 13062-75	6.6	72
97	An unexpected role for TASK-3 potassium channels in network oscillations with implications for sleep mechanisms and anesthetic action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 17546-51	11.5	71
96	Cerebellar granule-cell-specific GABAA receptors attenuate benzodiazepine-induced ataxia: evidence from alpha 6-subunit-deficient mice. <i>European Journal of Neuroscience</i> , <b>1999</b> , 11, 233-40	3.5	71
95	Gene expression in striatal grafts—I. Cellular localization of neurotransmitter mRNAs. <i>Neuroscience</i> , <b>1990</b> , 34, 675-86	3.9	70
94	Does ethanol act preferentially via selected brain GABAA receptor subtypes? the current evidence is ambiguous. <i>Alcohol</i> , <b>2007</b> , 41, 163-76	2.7	69
93	GABA(A) receptors: structure and function in the basal ganglia. <i>Progress in Brain Research</i> , <b>2007</b> , 160, 21-41	2.9	66
92	Distinct regional expression of nicotinic acetylcholine receptor genes in chick brain. <i>Molecular Brain Research</i> , <b>1990</b> , 7, 305-15		65
91	A Neuronal Hub Binding Sleep Initiation and Body Cooling in Response to a Warm External Stimulus. <i>Current Biology</i> , <b>2018</b> , 28, 2263-2273.e4	6.3	62
90	Prominent dendritic localization in forebrain neurons of a novel mRNA and its product, dendrin. <i>Molecular and Cellular Neurosciences</i> , <b>1997</b> , 8, 367-74	4.8	62
89	Abolition of zolpidem sensitivity in mice with a point mutation in the GABAA receptor gamma2 subunit. <i>Neuropharmacology</i> , <b>2004</b> , 47, 17-34	5.5	61

88	Circadian factor BMAL1 in histaminergic neurons regulates sleep architecture. <i>Current Biology</i> , <b>2014</b> , 24, 2838-44	6.3	60
87	Changes in expression of some two-pore domain potassium channel genes (KCNK) in selected brain regions of developing mice. <i>Neuroscience</i> , <b>2008</b> , 151, 1154-72	3.9	60
86	Ectopic expression of the GABA(A) receptor alpha6 subunit in hippocampal pyramidal neurons produces extrasynaptic receptors and an increased tonic inhibition. <i>Neuropharmacology</i> , <b>2002</b> , 43, 530-45	5.5	60
85	Long-range interactions in neuronal gene expression: evidence from gene targeting in the GABA(A) receptor beta2-alpha6-alpha1-gamma2 subunit gene cluster. <i>Molecular and Cellular Neurosciences</i> , <b>2000</b> , 16, 34-41	4.8	59
84	The contribution of TWIK-related acid-sensitive K <sup>+</sup> -containing channels to the function of dorsal lateral geniculate thalamocortical relay neurons. <i>Molecular Pharmacology</i> , <b>2006</b> , 69, 1468-76	4.3	56
83	Localization of GABAA receptor alpha-subunit mRNAs in relation to receptor subtypes. <i>Molecular Brain Research</i> , <b>1989</b> , 5, 305-10		56
82	Raising cytosolic Cl <sup>-</sup> in cerebellar granule cells affects their excitability and vestibulo-ocular learning. <i>EMBO Journal</i> , <b>2012</b> , 31, 1217-30	13	55
81	Cerebellar gamma-aminobutyric acid type A receptors: pharmacological subtypes revealed by mutant mouse lines. <i>Molecular Pharmacology</i> , <b>1997</b> , 52, 380-8	4.3	55
80	The Temperature Dependence of Sleep. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 336	5.1	53
79	Cloning and characterization of the rat 5-HT5B receptor. Evidence that the 5-HT5B receptor couples to a G protein in mammalian cell membranes. <i>FEBS Letters</i> , <b>1993</b> , 333, 25-31	3.8	53
78	Differential distribution of GABAA receptor mRNAs in bovine cerebellum--localization of alpha 2 mRNA in Bergmann glia layer. <i>Neuroscience Letters</i> , <b>1989</b> , 106, 7-12	3.3	52
77	Flip and Flop variants of AMPA receptors in the rat lumbar spinal cord. <i>European Journal of Neuroscience</i> , <b>1995</b> , 7, 1414-9	3.5	47
76	Localization of preprogalanin mRNA in rat brain: in situ hybridization study with a synthetic oligonucleotide probe. <i>Neuroscience Letters</i> , <b>1990</b> , 114, 241-7	3.3	46
75	Cerebellar granule cell Cre recombinase expression. <i>Genesis</i> , <b>2003</b> , 36, 97-103	1.9	42
74	The chicken GABAA receptor alpha 1 subunit: cDNA sequence and localization of the corresponding mRNA. <i>Molecular Brain Research</i> , <b>1991</b> , 9, 333-9		42
73	Histamine: neural circuits and new medications. <i>Sleep</i> , <b>2019</b> , 42,	1.1	41
72	Affinity of various benzodiazepine site ligands in mice with a point mutation in the GABA(A) receptor gamma2 subunit. <i>Biochemical Pharmacology</i> , <b>2004</b> , 68, 1621-9	6	40
71	Expression of GABA(A) receptor subunits in rat brainstem auditory pathways: cochlear nuclei, superior olivary complex and nucleus of the lateral lemniscus. <i>Neuroscience</i> , <b>2001</b> , 102, 625-38	3.9	40

70	Directing gene expression to cerebellar granule cells using gamma-aminobutyric acid type A receptor alpha6 subunit transgenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 9417-21	11.5	39
69	Dual-transmitter systems regulating arousal, attention, learning and memory. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2018</b> , 85, 21-33	9	38
68	Characterization of a cerebellar granule cell-specific gene encoding the gamma-aminobutyric acid type A receptor alpha 6 subunit. <i>Journal of Neurochemistry</i> , <b>1996</b> , 67, 907-16	6	36
67	Galanin Neurons Unite Sleep Homeostasis and $\alpha$ -Adrenergic Sedation. <i>Current Biology</i> , <b>2019</b> , 29, 3315-3323.e3	3.3	34
66	Sleep deprivation and stress: a reciprocal relationship. <i>Interface Focus</i> , <b>2020</b> , 10, 20190092	3.9	34
65	Synaptic transmission and plasticity at inputs to murine cerebellar Purkinje cells are largely dispensable for standard nonmotor tasks. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 12599-618	6.6	33
64	The role of K $\beta$ channels in anaesthesia and sleep. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2015</b> , 467, 907-16	4.6	32
63	Excitatory Pathways from the Lateral Habenula Enable Propofol-Induced Sedation. <i>Current Biology</i> , <b>2018</b> , 28, 580-587.e5	6.3	31
62	Loss of zolpidem efficacy in the hippocampus of mice with the GABAA receptor gamma2 F771 point mutation. <i>European Journal of Neuroscience</i> , <b>2005</b> , 21, 3002-16	3.5	31
61	Tectal-derived interneurons contribute to phasic and tonic inhibition in the visual thalamus. <i>Nature Communications</i> , <b>2016</b> , 7, 13579	17.4	31
60	Sleep and Sedative States Induced by Targeting the Histamine and Noradrenergic Systems. <i>Frontiers in Neural Circuits</i> , <b>2018</b> , 12, 4	3.5	27
59	GABA Receptors and the Pharmacology of Sleep. <i>Handbook of Experimental Pharmacology</i> , <b>2019</b> , 253, 279-304	3.2	25
58	Removal of GABA(A) receptor $\alpha$ subunits from parvalbumin neurons causes wide-ranging behavioral alterations. <i>PLoS ONE</i> , <b>2011</b> , 6, e24159	3.7	25
57	In situ hybridization with oligonucleotide probes. <i>International Review of Neurobiology</i> , <b>2002</b> , 47, 3-59	4.4	25
56	Ro 15-4513 Antagonizes Alcohol-Induced Sedation in Mice Through $\alpha$ -type GABA(A) Receptors. <i>Frontiers in Neuroscience</i> , <b>2011</b> , 5, 3	5.1	24
55	Expression of the kcnk3 potassium channel gene lessens the injury from cerebral ischemia, most likely by a general influence on blood pressure. <i>Neuroscience</i> , <b>2010</b> , 167, 758-64	3.9	23
54	Neuregulin signaling is dispensable for NMDA- and GABA(A)-receptor expression in the cerebellum in vivo. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 2404-13	6.6	23
53	Behavioural correlates of an altered balance between synaptic and extrasynaptic GABAergic inhibition in a mouse model. <i>European Journal of Neuroscience</i> , <b>2004</b> , 20, 2168-78	3.5	23

52	Bottom-Up versus Top-Down Induction of Sleep by Zolpidem Acting on Histaminergic and Neocortex Neurons. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 11171-11184	6.6	22
51	K+ channel TASK-1 knockout mice show enhanced sensitivities to ataxic and hypnotic effects of GABA(A) receptor ligands. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2008</b> , 327, 277-86	4.7	22
50	Conservation of gamma-aminobutyric acid type A receptor alpha 6 subunit gene expression in cerebellar granule cells. <i>Journal of Neurochemistry</i> , <b>1996</b> , 66, 1810-8	6	22
49	Transgenic methods for directing gene expression to specific neuronal types: cerebellar granule cells. <i>Progress in Brain Research</i> , <b>2000</b> , 124, 69-80	2.9	22
48	Dissecting neural circuitry by combining genetics and pharmacology. <i>Trends in Neurosciences</i> , <b>2005</b> , 28, 44-50	13.3	21
47	Agonistic effects of the beta-carboline DMCM revealed in GABA(A) receptor gamma 2 subunit F77I point-mutated mice. <i>Neuropharmacology</i> , <b>2005</b> , 48, 469-78	5.5	21
46	Characterization of the rat hippocalcin gene: the 5'flanking region directs expression to the hippocampus. <i>Neuroscience</i> , <b>1996</b> , 75, 1099-115	3.9	21
45	Staying awake--a genetic region that hinders $\alpha$ adrenergic receptor agonist-induced sleep. <i>European Journal of Neuroscience</i> , <b>2014</b> , 40, 2311-9	3.5	19
44	Studying Cerebellar Circuits by Remote Control of Selected Neuronal Types with GABA(A) Receptors. <i>Frontiers in Molecular Neuroscience</i> , <b>2009</b> , 2, 29	6.1	18
43	Sleep and thermoregulation. <i>Current Opinion in Physiology</i> , <b>2020</b> , 15, 7-13	2.6	18
42	DNA repair in post-mitotic neurons: a gene-trapping strategy. <i>Cell Death and Differentiation</i> , <b>2005</b> , 12, 307-9	12.7	17
41	Somato-synaptic variation of GABA(A) receptors in cultured murine cerebellar granule cells: investigation of the role of the alpha6 subunit. <i>Neuropharmacology</i> , <b>2000</b> , 39, 1495-513	5.5	17
40	Lymphomagenesis, hydronephrosis, and autoantibodies result from dysregulation of IL-9 and are differentially dependent on Th2 cytokines. <i>Journal of Immunology</i> , <b>2004</b> , 173, 113-22	5.3	14
39	Synaptic competition sculpts the development of GABAergic axo-dendritic but not perisomatic synapses. <i>PLoS ONE</i> , <b>2013</b> , 8, e56311	3.7	14
38	gamma-Aminobutyric acid type A receptor subunit assembly and sorting: gene targeting and cell biology approaches. <i>Biochemical Society Transactions</i> , <b>1997</b> , 25, 820-4	5.1	13
37	The intrinsic specification of gamma-aminobutyric acid type A receptor alpha6 subunit gene expression in cerebellar granule cells. <i>European Journal of Neuroscience</i> , <b>1999</b> , 11, 2194-8	3.5	13
36	Genetic lesioning of histamine neurons increases sleep-wake fragmentation and reveals their contribution to modafinil-induced wakefulness. <i>Sleep</i> , <b>2019</b> , 42,	1.1	11
35	Blunted furosemide action on cerebellar GABAA receptors in ANT rats selectively bred for high alcohol sensitivity. <i>Neuropharmacology</i> , <b>1996</b> , 35, 1493-502	5.5	11

34	nNOS-Expressing Neurons in the Ventral Tegmental Area and Substantia Nigra Pars Compacta. <i>ENeuro</i> , <b>2018</b> , 5,	3.9	11
33	A Map of Non-NMDA Receptor Subunit Expression in the Vertebrate Brain Derived from In Situ Hybridization Histochemistry <b>1997</b> , 149-187		10
32	Cellular localisation of somatostatin mRNA and neuropeptide Y mRNA in foetal striatal tissue grafts. <i>Neuroscience Letters</i> , <b>1989</b> , 103, 121-6	3.3	9
31	Loreclezole and La3+ differentiate cerebellar granule cell GABA(A) receptor subtypes. <i>European Journal of Pharmacology</i> , <b>1999</b> , 367, 101-5	5.3	8
30	Structure and distribution of multiple GABAA receptor subunits with special reference to the cerebellum. <i>Annals of the New York Academy of Sciences</i> , <b>1995</b> , 757, 506-15	6.5	8
29	Dysfunction of ventral tegmental area GABA neurons causes mania-like behavior. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 5213-5228	15.1	7
28	Differential distribution in bovine brain of distinct $\beta$ aminobutyric acidA receptor $\beta$ subunit mRNAs. <i>Biochemical Society Transactions</i> , <b>1989</b> , 17, 566-567	5.1	7
27	Actions of two GABAA receptor benzodiazepine-site ligands that are mediated via non- $\alpha$ -dependent modulation. <i>European Journal of Pharmacology</i> , <b>2011</b> , 666, 111-21	5.3	5
26	DNA regions supporting hippocalcin gene expression in cell lines. <i>Molecular Brain Research</i> , <b>1997</b> , 52, 323-5		5
25	Gamma-aminobutyric acidA-receptor messenger ribonucleic acid (alpha-1 subunit) detection by in situ hybridization. <i>European Archives of Oto-Rhino-Laryngology</i> , <b>1994</b> , 251, 61-4	3.5	5
24	Cellular localisation of neurotransmitter mRNAs in striatal grafts. <i>Progress in Brain Research</i> , <b>1990</b> , 82, 433-9	2.9	5
23	Fast and Slow Inhibition in the Visual Thalamus Is Influenced by Allocating GABA Receptors with Different $\beta$ Subunits. <i>Frontiers in Cellular Neuroscience</i> , <b>2017</b> , 11, 95	6.1	4
22	In situ hybridization with oligonucleotides: a simplified method to detect Drosophila transcripts. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 3746	20.1	4
21	The inescapable drive to sleep: Overlapping mechanisms of sleep and sedation. <i>Science</i> , <b>2021</b> , 374, 556-559	35.3	4
20	A Tribute to Peter H Seeburg (1944-2016): A Founding Father of Molecular Neurobiology. <i>Frontiers in Molecular Neuroscience</i> , <b>2016</b> , 9, 133	6.1	4
19	Modulation of GABA A receptor function and sleep. <i>Current Opinion in Physiology</i> , <b>2018</b> , 2, 51-57	2.6	3
18	Cytoplasmic domain of $\beta$ subunit is important for the extra-synaptic targeting of GABAA receptor subtypes. <i>Journal of Integrative Neuroscience</i> , <b>2014</b> , 13, 617-31	1.5	3
17	Increased Motor-Impairing Effects of the Neuroactive Steroid Pregnanolone in Mice with Targeted Inactivation of the GABA Receptor $\alpha$ Subunit in the Cerebellum. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 403	5.6	3

16	Cre-ating Ways to Serotonin. <i>Frontiers in Neuroscience</i> , <b>2010</b> , 4, 167	5.1	2
15	Nitric Oxide Synthase Neurons in the Preoptic Hypothalamus Are NREM and REM Sleep-Active and Lower Body Temperature. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 709825	5.1	2
14	Sleep deprivation triggers somatostatin neurons in prefrontal cortex to initiate nesting and sleep via the preoptic and lateral hypothalamus		2
13	Hypothalamic NMDA receptors stabilize NREM sleep and are essential for REM sleep		2
12	Galanin neurons in the hypothalamus link sleep homeostasis, body temperature and actions of the $\alpha$ adrenergic agonist dexmedetomidine		2
11	The De-Scent of Sexuality: Should We Smell a Rat?. <i>Archives of Sexual Behavior</i> , <b>2021</b> , 50, 2283-2288	3.5	2
10	The stillness of sleep. <i>Science</i> , <b>2020</b> , 367, 366-367	33.3	1
9	Genetic techniques and circuit analysis. <i>Frontiers in Molecular Neuroscience</i> , <b>2010</b> , 3, 4	6.1	1
8	GABAA Receptors: Molecular Biology, Cell Biology, and Pharmacology <b>2009</b> , 463-470		1
7	Introduction: studying gene expression in neural tissues by in situ hybridization. <i>International Review of Neurobiology</i> , <b>2002</b> , 47, xvii-xxi	4.4	1
6	Insights into GABAA receptors receptor complexity from the study of cerebellar granule cells. <i>Pharmaceutical Science Series</i> , <b>2001</b> , 189-201		1
5	S.1.02 Engineering receptor subtypes as tools in neuropsychopharmacology. <i>European Neuropsychopharmacology</i> , <b>2009</b> , 19, S2-S3	1.2	
4	P.1.22 Selective modulation of parvalbumin GABAergic interneuron function in-vivo in mice. <i>European Neuropsychopharmacology</i> , <b>2009</b> , 19, S20-S21	1.2	
3	Brain Clocks, Sleep, and Mood. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1344, 71-86	3.6	
2	The Structure and Expression of the GABAA Receptor as Deduced by Molecular Genetic Studies <b>1989</b> , 83-99		
1	Molecular Biology of Glutamate-Gated Channels: Focus on AMPA and Kainate <b>1991</b> , 17-41		