William Wisden

List of Publications by Year in Descending Order

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	Dysfunction of ventral tegmental area GABA neurons causes mania-like behavior. *Molecular Psychiatry*, **2021**, 26, 5213-5228	15.1	7
140	Brain Clocks, Sleep, and Mood. *Advances in Experimental Medicine and Biology*, **2021**, 1344, 71-86	3.6	
139	Nitric Oxide Synthase Neurons in the Preoptic Hypothalamus Are NREM and REM Sleep-Active and Lower Body Temperature. *Frontiers in Neuroscience*, **2021**, 15, 709825	5.1	2
138	The inescapable drive to sleep: Overlapping mechanisms of sleep and sedation. *Science*, **2021**, 374, 556-559	33.3	4
137	The De-Scent of Sexuality: Should We Smell a Rat?. *Archives of Sexual Behavior*, **2021**, 50, 2283-2288	3.5	2
136	Sleep deprivation and stress: a reciprocal relationship. *Interface Focus*, **2020**, 10, 20190092	3.9	34
135	The stillness of sleep. *Science*, **2020**, 367, 366-367	33.3	1
134	Sleep and thermoregulation. *Current Opinion in Physiology*, **2020**, 15, 7-13	2.6	18
133	GABA Receptors and the Pharmacology of Sleep. *Handbook of Experimental Pharmacology*, **2019**, 253, 279-304	3.2	25
132	Galanin Neurons Unite Sleep Homeostasis and α2-Adrenergic Sedation. *Current Biology*, **2019**, 29, 3315-3323.e3	6.3	34
131	The Temperature Dependence of Sleep. *Frontiers in Neuroscience*, **2019**, 13, 336	5.1	53
130	Genetic lesioning of histamine neurons increases sleep-wake fragmentation and reveals their contribution to modafinil-induced wakefulness. *Sleep*, **2019**, 42,	1.1	11
129	Histamine: neural circuits and new medications. *Sleep*, **2019**, 42,	1.1	41
128	GABA and glutamate neurons in the VTA regulate sleep and wakefulness. *Nature Neuroscience*, **2019**, 22, 106-119	25.5	83
127	Excitatory Pathways from the Lateral Habenula Enable Propofol-Induced Sedation. *Current Biology*, **2018**, 28, 580-587.e5	6.3	31
126	Modulation of GABA A receptor function and sleep. *Current Opinion in Physiology*, **2018**, 2, 51-57	2.6	3
125	Dual-transmitter systems regulating arousal, attention, learning and memory. *Neuroscience and Biobehavioral Reviews*, **2018**, 85, 21-33	9	38

124	A Neuronal Hub Binding Sleep Initiation and Body Cooling in Response to a Warm External Stimulus. *Current Biology*, **2018**, 28, 2263-2273.e4	6.3	62
123	Sleep and Sedative States Induced by Targeting the Histamine and Noradrenergic Systems. *Frontiers in Neural Circuits*, **2018**, 12, 4	3.5	27
122	nNOS-Expressing Neurons in the Ventral Tegmental Area and Substantia Nigra Pars Compacta. *ENeuro*, **2018**, 5,	3.9	11
121	Fast and Slow Inhibition in the Visual Thalamus Is Influenced by Allocating GABA Receptors with Different □subunits. *Frontiers in Cellular Neuroscience*, **2017**, 11, 95	6.1	4
120	Bottom-Up versus Top-Down Induction of Sleep by Zolpidem Acting on Histaminergic and Neocortex Neurons. *Journal of Neuroscience*, **2016**, 36, 11171-11184	6.6	22
119	A Tribute to Peter H Seeburg (1944-2016): A Founding Father of Molecular Neurobiology. *Frontiers in Molecular Neuroscience*, **2016**, 9, 133	6.1	4
118	Increased Motor-Impairing Effects of the Neuroactive Steroid Pregnanolone in Mice with Targeted Inactivation of the GABA Receptor □ Subunit in the Cerebellum. *Frontiers in Pharmacology*, **2016**, 7, 403	5.6	3
117	Tectal-derived interneurons contribute to phasic and tonic inhibition in the visual thalamus. *Nature Communications*, **2016**, 7, 13579	17.4	31
116	Neuronal ensembles sufficient for recovery sleep and the sedative actions of □ adrenergic agonists. *Nature Neuroscience*, **2015**, 18, 553-561	25.5	136
115	The role of K□ channels in anaesthesia and sleep. *Pflugers Archiv European Journal of Physiology*, **2015**, 467, 907-16	4.6	32
114	Wakefulness Is Governed by GABA and Histamine Cotransmission. *Neuron*, **2015**, 87, 164-78	13.9	99
113	Cytoplasmic domain of □subunit is important for the extra-synaptic targeting of GABAA receptor subtypes. *Journal of Integrative Neuroscience*, **2014**, 13, 617-31	1.5	3
112	Altered activity in the central medial thalamus precedes changes in the neocortex during transitions into both sleep and propofol anesthesia. *Journal of Neuroscience*, **2014**, 34, 13326-35	6.6	83
111	Staying awake--a genetic region that hinders □ adrenergic receptor agonist-induced sleep. *European Journal of Neuroscience*, **2014**, 40, 2311-9	3.5	19
110	Circadian factor BMAL1 in histaminergic neurons regulates sleep architecture. *Current Biology*, **2014**, 24, 2838-44	6.3	60
109	Synaptic transmission and plasticity at inputs to murine cerebellar Purkinje cells are largely dispensable for standard nonmotor tasks. *Journal of Neuroscience*, **2013**, 33, 12599-618	6.6	33
108	Synaptic competition sculpts the development of GABAergic axo-dendritic but not perisomatic synapses. *PLoS ONE*, **2013**, 8, e56311	3.7	14
107	Raising cytosolic Cl- in cerebellar granule cells affects their excitability and vestibulo-ocular learning. *EMBO Journal*, **2012**, 31, 1217-30	13	55

106	GABAergic inhibition of histaminergic neurons regulates active waking but not the sleep-wake switch or propofol-induced loss of consciousness. *Journal of Neuroscience*, **2012**, 32, 13062-75	6.6	72
105	Ro 15-4513 Antagonizes Alcohol-Induced Sedation in Mice Through α-type GABA(A) Receptors. *Frontiers in Neuroscience*, **2011**, 5, 3	5.1	24
104	Removal of GABA(A) receptor α subunits from parvalbumin neurons causes wide-ranging behavioral alterations. *PLoS ONE*, **2011**, 6, e24159	3.7	25
103	Parvalbumin-positive CA1 interneurons are required for spatial working but not for reference memory. *Nature Neuroscience*, **2011**, 14, 297-9	25.5	196
102	Actions of two GABAA receptor benzodiazepine-site ligands that are mediated via non-α-dependent modulation. *European Journal of Pharmacology*, **2011**, 666, 111-21	5.3	5
101	Genetic techniques and circuit analysis. *Frontiers in Molecular Neuroscience*, **2010**, 3, 4	6.1	1
100	Cre-ating Ways to Serotonin. *Frontiers in Neuroscience*, **2010**, 4, 167	5.1	2
99	Expression of the kcnk3 potassium channel gene lessens the injury from cerebral ischemia, most likely by a general influence on blood pressure. *Neuroscience*, **2010**, 167, 758-64	3.9	23
98	Studying Cerebellar Circuits by Remote Control of Selected Neuronal Types with GABA(A) Receptors. *Frontiers in Molecular Neuroscience*, **2009**, 2, 29	6.1	18
97	Neuregulin signaling is dispensable for NMDA- and GABA(A)-receptor expression in the cerebellum in vivo. *Journal of Neuroscience*, **2009**, 29, 2404-13	6.6	23
96	An unexpected role for TASK-3 potassium channels in network oscillations with implications for sleep mechanisms and anesthetic action. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17546-51	11.5	71
95	Synaptic inhibition of Purkinje cells mediates consolidation of vestibulo-cerebellar motor learning. *Nature Neuroscience*, **2009**, 12, 1042-9	25.5	228
94	S.1.02 Engineering receptor subtypes as tools in neuropsychopharmacology. *European Neuropsychopharmacology*, **2009**, 19, S2-S3	1.2	
93	P.1.22 Selective modulation of parvalbumin GABAergic interneuron function in-vivo in mice. *European Neuropsychopharmacology*, **2009**, 19, S20-S21	1.2	
92	Hippocampal theta rhythm and its coupling with gamma oscillations require fast inhibition onto parvalbumin-positive interneurons. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 3561-6	11.5	281
91	GABAA Receptors: Molecular Biology, Cell Biology, and Pharmacology **2009**, 463-470		1
90	Invalidation of TASK1 potassium channels disrupts adrenal gland zonation and mineralocorticoid homeostasis. *EMBO Journal*, **2008**, 27, 179-87	13	149
89	Changes in expression of some two-pore domain potassium channel genes (KCNK) in selected brain regions of developing mice. *Neuroscience*, **2008**, 151, 1154-72	3.9	60

88	K+ channel TASK-1 knockout mice show enhanced sensitivities to ataxic and hypnotic effects of GABA(A) receptor ligands. *Journal of Pharmacology and Experimental Therapeutics*, **2008**, 327, 277-86	4.7	22
87	A role for TASK-1 (KCNK3) channels in the chemosensory control of breathing. *Journal of Neuroscience*, **2008**, 28, 8844-50	6.6	112
86	Establishing a new mouse model for investigating the function of amygdala neurons in anxiety. *BMC Pharmacology*, **2008**, 8, A35		78
85	Does ethanol act preferentially via selected brain GABAA receptor subtypes? the current evidence is ambiguous. *Alcohol*, **2007**, 41, 163-76	2.7	69
84	From synapse to behavior: rapid modulation of defined neuronal types with engineered GABAA receptors. *Nature Neuroscience*, **2007**, 10, 923-9	25.5	106
83	TASK-3 two-pore domain potassium channels enable sustained high-frequency firing in cerebellar granule neurons. *Journal of Neuroscience*, **2007**, 27, 9329-40	6.6	94
82	GABA(A) receptors: structure and function in the basal ganglia. *Progress in Brain Research*, **2007**, 160, 21-41	2.9	66
81	TASK-3 knockout mice exhibit exaggerated nocturnal activity, impairments in cognitive functions, and reduced sensitivity to inhalation anesthetics. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 323, 924-34	4.7	83
80	The contribution of TWIK-related acid-sensitive K+-containing channels to the function of dorsal lateral geniculate thalamocortical relay neurons. *Molecular Pharmacology*, **2006**, 69, 1468-76	4.3	56
79	The in vivo contributions of TASK-1-containing channels to the actions of inhalation anesthetics, the alpha(2) adrenergic sedative dexmedetomidine, and cannabinoid agonists. *Journal of Pharmacology and Experimental Therapeutics*, **2006**, 317, 615-26	4.7	73
78	Dissecting neural circuitry by combining genetics and pharmacology. *Trends in Neurosciences*, **2005**, 28, 44-50	13.3	21
77	Agonistic effects of the beta-carboline DMCM revealed in GABA(A) receptor gamma 2 subunit F77I point-mutated mice. *Neuropharmacology*, **2005**, 48, 469-78	5.5	21
76	DNA repair in post-mitotic neurons: a gene-trapping strategy. *Cell Death and Differentiation*, **2005**, 12, 307-9	12.7	17
75	Loss of zolpidem efficacy in the hippocampus of mice with the GABAA receptor gamma2 F77I point mutation. *European Journal of Neuroscience*, **2005**, 21, 3002-16	3.5	31
74	Modifying the subunit composition of TASK channels alters the modulation of a leak conductance in cerebellar granule neurons. *Journal of Neuroscience*, **2005**, 25, 11455-67	6.6	120
73	Behavioural correlates of an altered balance between synaptic and extrasynaptic GABAAergic inhibition in a mouse model. *European Journal of Neuroscience*, **2004**, 20, 2168-78	3.5	23
72	Affinity of various benzodiazepine site ligands in mice with a point mutation in the GABA(A) receptor gamma2 subunit. *Biochemical Pharmacology*, **2004**, 68, 1621-9	6	40
71	Abolition of zolpidem sensitivity in mice with a point mutation in the GABAA receptor gamma2 subunit. *Neuropharmacology*, **2004**, 47, 17-34	5.5	61

70	Lymphomagenesis, hydronephrosis, and autoantibodies result from dysregulation of IL-9 and are differentially dependent on Th2 cytokines. *Journal of Immunology*, **2004**, 173, 113-22	5.3	14
69	Cerebellar granule cell Cre recombinase expression. *Genesis*, **2003**, 36, 97-103	1.9	42
68	In situ hybridization with oligonucleotide probes. *International Review of Neurobiology*, **2002**, 47, 3-59	4.4	25
67	Introduction: studying gene expression in neural tissues by in situ hybridization. *International Review of Neurobiology*, **2002**, 47, xvii-xxi	4.4	1
66	Ectopic expression of the GABA(A) receptor alpha6 subunit in hippocampal pyramidal neurons produces extrasynaptic receptors and an increased tonic inhibition. *Neuropharmacology*, **2002**, 43, 530-49	5.5	60
65	GABA(A) receptor cell surface number and subunit stability are regulated by the ubiquitin-like protein Plic-1. *Nature Neuroscience*, **2001**, 4, 908-16	25.5	201
64	Adaptive regulation of neuronal excitability by a voltage-independent potassium conductance. *Nature*, **2001**, 409, 88-92	50.4	480
63	Expression of GABA(A) receptor subunits in rat brainstem auditory pathways: cochlear nuclei, superior olivary complex and nucleus of the lateral lemniscus. *Neuroscience*, **2001**, 102, 625-38	3.9	40
62	Insights into GABAA receptors receptor complexity from the study of cerebellar granule cells. *Pharmaceutical Science Series*, **2001**, 189-201		1
61	Transgenic methods for directing gene expression to specific neuronal types: cerebellar granule cells. *Progress in Brain Research*, **2000**, 124, 69-80	2.9	22
60	Long-range interactions in neuronal gene expression: evidence from gene targeting in the GABA(A) receptor beta2-alpha6-alpha1-gamma2 subunit gene cluster. *Molecular and Cellular Neurosciences*, **2000**, 16, 34-41	4.8	59
59	Expression of the neuronal calcium sensor protein family in the rat brain. *Neuroscience*, **2000**, 99, 205-16	3.9	104
58	Somato-synaptic variation of GABA(A) receptors in cultured murine cerebellar granule cells: investigation of the role of the alpha6 subunit. *Neuropharmacology*, **2000**, 39, 1495-513	5.5	17
57	Cerebellar granule-cell-specific GABAA receptors attenuate benzodiazepine-induced ataxia: evidence from alpha 6-subunit-deficient mice. *European Journal of Neuroscience*, **1999**, 11, 233-40	3.5	71
56	Alterations in the expression of GABAA receptor subunits in cerebellar granule cells after the disruption of the alpha6 subunit gene. *European Journal of Neuroscience*, **1999**, 11, 1685-97	3.5	90
55	The intrinsic specification of gamma-aminobutyric acid type A receptor alpha6 subunit gene expression in cerebellar granule cells. *European Journal of Neuroscience*, **1999**, 11, 2194-8	3.5	13
54	Loreclezole and La3+ differentiate cerebellar granule cell GABA(A) receptor subtypes. *European Journal of Pharmacology*, **1999**, 367, 101-5	5.3	8
53	Interleukin (IL)-4-independent induction of immunoglobulin (Ig)E, and perturbation of T cell development in transgenic mice expressing IL-13. *Journal of Experimental Medicine*, **1998**, 188, 399-404	16.6	165

52	GABA(A)-receptor subtypes: clinical efficacy and selectivity of benzodiazepine site ligands. *Annals of Medicine*, **1997**, 29, 275-82	1.5	78
51	Directing gene expression to cerebellar granule cells using gamma-aminobutyric acid type A receptor alpha6 subunit transgenes. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 9417-21	11.5	39
50	gamma-Aminobutyric acid type A receptor subunit assembly and sorting: gene targeting and cell biology approaches. *Biochemical Society Transactions*, **1997**, 25, 820-4	5.1	13
49	Prominent dendritic localization in forebrain neurons of a novel mRNA and its product, dendrin. *Molecular and Cellular Neurosciences*, **1997**, 8, 367-74	4.8	62
48	DNA regions supporting hippocalcin gene expression in cell lines. *Molecular Brain Research*, **1997**, 52, 323-5		5
47	Cerebellar gamma-aminobutyric acid type A receptors: pharmacological subtypes revealed by mutant mouse lines. *Molecular Pharmacology*, **1997**, 52, 380-8	4.3	55
46	A Map of Non-NMDA Receptor Subunit Expression in the Vertebrate Brain Derived from In Situ Hybridization Histochemistry **1997**, 149-187		10
45	Conservation of gamma-aminobutyric acid type A receptor alpha 6 subunit gene expression in cerebellar granule cells. *Journal of Neurochemistry*, **1996**, 66, 1810-8	6	22
44	Characterization of a cerebellar granule cell-specific gene encoding the gamma-aminobutyric acid type A receptor alpha 6 subunit. *Journal of Neurochemistry*, **1996**, 67, 907-16	6	36
43	Characterization of the rat hippocalcin gene: the 5Uflanking region directs expression to the hippocampus. *Neuroscience*, **1996**, 75, 1099-115	3.9	21
42	Blunted furosemide action on cerebellar GABAA receptors in ANT rats selectively bred for high alcohol sensitivity. *Neuropharmacology*, **1996**, 35, 1493-502	5.5	11
41	The cerebellum: a model system for studying GABAA receptor diversity. *Neuropharmacology*, **1996**, 35, 1139-60	5.5	117
40	Flip and Flop variants of AMPA receptors in the rat lumbar spinal cord. *European Journal of Neuroscience*, **1995**, 7, 1414-9	3.5	47
39	Structure and distribution of multiple GABAA receptor subunits with special reference to the cerebellum. *Annals of the New York Academy of Sciences*, **1995**, 757, 506-15	6.5	8
38	Gamma-aminobutyric acidA-receptor messenger ribonucleic acid (alpha-1 subunit) detection by in situ hybridization. *European Archives of Oto-Rhino-Laryngology*, **1994**, 251, 61-4	3.5	5
37	Molecular biology of glutamate receptors. *Progress in Neurobiology*, **1994**, 42, 353-7	10.9	111
36	Mammalian ionotropic glutamate receptors. *Current Opinion in Neurobiology*, **1993**, 3, 291-8	7.6	276
35	Cloning and characterization of the rat 5-HT5B receptor. Evidence that the 5-HT5B receptor couples to a G protein in mammalian cell membranes. *FEBS Letters*, **1993**, 333, 25-31	3.8	53

34	The rat delta-1 and delta-2 subunits extend the excitatory amino acid receptor family. *FEBS Letters*, **1993**, 315, 318-22	3.8	270
33	Calcium-permeable AMPA-kainate receptors in fusiform cerebellar glial cells. *Science*, **1992**, 256, 1566-70	33.3	386
32	The third gamma subunit of the gamma-aminobutyric acid type A receptor family. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 1433-7	11.5	102
31	The KA-2 subunit of excitatory amino acid receptors shows widespread expression in brain and forms ion channels with distantly related subunits. *Neuron*, **1992**, 8, 775-85	13.9	492
30	GABAA receptor channels: from subunits to functional entities. *Current Opinion in Neurobiology*, **1992**, 2, 263-9	7.6	234
29	Glutamate receptor expression in the rat retina. *Neuroscience Letters*, **1992**, 138, 179-82	3.3	103
28	High-affinity kainate and domoate receptors in rat brain. *FEBS Letters*, **1992**, 307, 139-43	3.8	115
27	Cloning of a putative high-affinity kainate receptor expressed predominantly in hippocampal CA3 cells. *Nature*, **1991**, 351, 742-4	50.4	425
26	In situ hybridization with oligonucleotides: a simplified method to detect Drosophila transcripts. *Nucleic Acids Research*, **1991**, 19, 3746	20.1	4
25	Distribution of GABAA receptor subunit mRNAs in rat lumbar spinal cord. *Molecular Brain Research*, **1991**, 10, 179-83		85
24	Cloning, pharmacological characteristics and expression pattern of the rat GABAA receptor alpha 4 subunit. *FEBS Letters*, **1991**, 289, 227-30	3.8	217
23	Function and pharmacology of multiple GABAA receptor subunits. *Trends in Pharmacological Sciences*, **1991**, 12, 49-51	13.2	265
22	Glutamate-operated channels: developmentally early and mature forms arise by alternative splicing. *Neuron*, **1991**, 6, 799-810	13.9	492
21	The chicken GABAA receptor alpha 1 subunit: cDNA sequence and localization of the corresponding mRNA. *Molecular Brain Research*, **1991**, 9, 333-9		42
20	Molecular Biology of Glutamate-Gated Channels: Focus on AMPA and Kainate **1991**, 17-41		
19	Cellular localisation of neurotransmitter mRNAs in striatal grafts. *Progress in Brain Research*, **1990**, 82, 433-9	2.9	5
18	Flip and flop: a cell-specific functional switch in glutamate-operated channels of the CNS. *Science*, **1990**, 249, 1580-5	33.3	1159
17	A family of AMPA-selective glutamate receptors. *Science*, **1990**, 249, 556-60	33.3	1390

16	Light pulses that shift rhythms induce gene expression in the suprachiasmatic nucleus. *Science*, **1990**, 248, 1237-40	33.3	518
15	Localization of preprogalanin mRNA in rat brain: in situ hybridization study with a synthetic oligonucleotide probe. *Neuroscience Letters*, **1990**, 114, 241-7	3.3	46
14	Distinct regional expression of nicotinic acetylcholine receptor genes in chick brain. *Molecular Brain Research*, **1990**, 7, 305-15		65
13	Differential expression of immediate early genes in the hippocampus and spinal cord. *Neuron*, **1990** , 4, 603-14	13.9	629
12	Gene expression in striatal grafts--I. Cellular localization of neurotransmitter mRNAs. *Neuroscience*, **1990**, 34, 675-86	3.9	70
11	The GABAA receptor family: molecular and functional diversity. *Cold Spring Harbor Symposia on Quantitative Biology*, **1990**, 55, 29-40	3.9	127
10	Cellular localisation of somatostatin mRNA and neuropeptide Y mRNA in foetal striatal tissue grafts. *Neuroscience Letters*, **1989**, 103, 121-6	3.3	9
9	Differential distribution of GABAA receptor mRNAs in bovine cerebellum--localization of alpha 2 mRNA in Bergmann glia layer. *Neuroscience Letters*, **1989**, 106, 7-12	3.3	52
8	Localization of GABAA receptor alpha-subunit mRNAs in relation to receptor subtypes. *Molecular Brain Research*, **1989**, 5, 305-10		56
7	Differential distribution in bovine brain of distinct □aminobutyric acidA receptor □subunit mRNAs. *Biochemical Society Transactions*, **1989**, 17, 566-567	5.1	7
6	The Structure and Expression of the GABAA Receptor as Deduced by Molecular Genetic Studies **1989**, 83-99		
5	Structural and functional basis for GABAA receptor heterogeneity. *Nature*, **1988**, 335, 76-9	50.4	583
4	Distinct GABAA receptor alpha subunit mRNAs show differential patterns of expression in bovine brain. *Neuron*, **1988**, 1, 937-47	13.9	155
3	Sleep deprivation triggers somatostatin neurons in prefrontal cortex to initiate nesting and sleep via the preoptic and lateral hypothalamus		2
2	Hypothalamic NMDA receptors stabilize NREM sleep and are essential for REM sleep		2
1	Galanin neurons in the hypothalamus link sleep homeostasis, body temperature and actions of the □2 adrenergic agonist dexmedetomidine		2