William Wisden

List of Publications by Year
in descending order

143 papers	15,832 citations	22153 59 h-index	16650 123 g-index
153 all docs	153 docs citations	153 times ranked	9805 citing authors

#	Article	IF	Citations
1	Disruption of VGLUT1 in Cholinergic Medial Habenula Projections Increases Nicotine Self-Administration. ENeuro, 2022, 9, ENEURO.0481-21.2021.	1.9	7
2	NMDA Receptors in the Lateral Preoptic Hypothalamus Are Essential for Sustaining NREM and REM Sleep. Journal of Neuroscience, 2022, 42, 5389-5409.	3.6	12
3	A specific circuit in the midbrain detects stress and induces restorative sleep. Science, 2022, 377, 63-72.	12.6	36
4	The De-Scent of Sexuality: Should We Smell a Rat?. Archives of Sexual Behavior, 2021, 50, 2283-2288.	1.9	2
5	Dysfunction of ventral tegmental area GABA neurons causes mania-like behavior. Molecular Psychiatry, 2021, 26, 5213-5228.	7.9	31
6	Nitric Oxide Synthase Neurons in the Preoptic Hypothalamus Are NREM and REM Sleep-Active and Lower Body Temperature. Frontiers in Neuroscience, 2021, 15, 709825.	2.8	5
7	The inescapable drive to sleep: Overlapping mechanisms of sleep and sedation. Science, 2021, 374, 556-559.	12.6	34
8	Brain Clocks, Sleep, and Mood. Advances in Experimental Medicine and Biology, 2021, 1344, 71-86.	1.6	4
9	Sleep and thermoregulation. Current Opinion in Physiology, 2020, 15, 7-13.	1.8	54
10	Sleep deprivation and stress: a reciprocal relationship. Interface Focus, 2020, 10, 20190092.	3.0	118
11	The stillness of sleep. Science, 2020, 367, 366-367.	12.6	3
12	Galanin Neurons Unite Sleep Homeostasis and Î±2-Adrenergic Sedation. Current Biology, 2019, 29, 3315-3322.e3.	3.9	66
13	The Temperature Dependence of Sleep. Frontiers in Neuroscience, 2019, 13, 336.	2.8	119
14	Genetic lesioning of histamine neurons increases sleepâ€"wake fragmentation and reveals their contribution to modafinil-induced wakefulness. Sleep, 2019, 42, .	1.1	17
15	A Miniature Neural Recording Device to Investigate Sleep and Temperature Regulation in Mice. , 2019, , .		0
16	Histamine: neural circuits and new medications. Sleep, 2019, 42, .	1.1	71
17	GABA and glutamate neurons in the VTA regulate sleep and wakefulness. Nature Neuroscience, 2019, 22, 106-119.	14.8	188
18	Excitatory Pathways from the Lateral Habenula Enable Propofol-Induced Sedation. Current Biology, 2018, 28, 580-587.e5.	3.9	65

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19	Modulation of GABA A receptor function and sleep. Current Opinion in Physiology, 2018, 2, 51-57.	1.8	7
20	Dual-transmitter systems regulating arousal, attention, learning and memory. Neuroscience and Biobehavioral Reviews, 2018, 85, 21-33.	6.1	55
21	A Neuronal Hub Binding Sleep Initiation and Body Cooling in Response to a Warm External Stimulus. Current Biology, 2018, 28, 2263-2273.e4.	3.9	99
22	Sleep and Sedative States Induced by Targeting the Histamine and Noradrenergic Systems. Frontiers in Neural Circuits, 2018, 12, 4.	2.8	38
23	nNOS-Expressing Neurons in the Ventral Tegmental Area and Substantia Nigra Pars Compacta. ENeuro, 2018, 5, ENEURO.0381-18.2018.	1.9	14
24	GABA Receptors and the Pharmacology of Sleep. Handbook of Experimental Pharmacology, 2017, 253, 279-304.	1.8	48
25	Fast and Slow Inhibition in the Visual Thalamus Is Influenced by Allocating GABAA Receptors with Different Î³ Subunits. Frontiers in Cellular Neuroscience, 2017, 11, 95.	3.7	5
26	A Tribute to Peter H Seeburg (1944â€"2016): A Founding Father of Molecular Neurobiology. Frontiers in Molecular Neuroscience, 2016, 9, 133.	2.9	4
27	Increased Motor-Impairing Effects of the Neuroactive Steroid Pregnanolone in Mice with Targeted Inactivation of the GABAA Receptor Î³2 Subunit in the Cerebellum. Frontiers in Pharmacology, 2016, 7, 403.	3.5	6
28	Tectal-derived interneurons contribute to phasic and tonic inhibition in the visual thalamus. Nature Communications, 2016, 7, 13579.	12.8	52
29	Bottom-Up versus Top-Down Induction of Sleep by Zolpidem Acting on Histaminergic and Neocortex Neurons. Journal of Neuroscience, 2016, 36, 11171-11184.	3.6	34
30	Neuronal ensembles sufficient for recovery sleep and the sedative actions of Î±2 adrenergic agonists. Nature Neuroscience, 2015, 18, 553-561.	14.8	210
31	The role of K2P channels in anaesthesia and sleep. Pflugers Archiv European Journal of Physiology, 2015, 467, 907-916.	2.8	45
32	Wakefulness Is Governed by GABA and Histamine Cotransmission. Neuron, 2015, 87, 164-178.	8.1	136
33	Cytoplasmic domain of Î´ subunit is important for the extra-synaptic targeting of GABA_Areceptor subtypes. Journal of Integrative Neuroscience, 2014, 13, 617-631.	1.7	6
34	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, 13326-13335.	3.6	115
35	Staying awake â€" a genetic region that hinders Î±₂ adrenergic receptor agonistâ€induced sleep. European Journal of Neuroscience, 2014, 40, 2311-2319.	2.6	28
36	Circadian Factor BMAL1 in Histaminergic Neurons Regulates Sleep Architecture. Current Biology, 2014, 24, 2838-2844.	3.9	74

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37	Synaptic Transmission and Plasticity at Inputs to Murine Cerebellar Purkinje Cells Are Largely Dispensable for Standard Nonmotor Tasks. Journal of Neuroscience, 2013, 33, 12599-12618.	3.6	42
38	Synaptic Competition Sculpts the Development of GABAergic Axo-Dendritic but Not Perisomatic Synapses. PLoS ONE, 2013, 8, e56311.	2.5	15
39	Raising cytosolic Cl^{âˆ’}in cerebellar granule cells affects their excitability and vestibulo-ocular learning. EMBO Journal, 2012, 31, 1217-1230.	7.8	73
40	GABAergic Inhibition of Histaminergic Neurons Regulates Active Waking But Not the Sleepâ€"Wake Switch or Propofol-Induced Loss of Consciousness. Journal of Neuroscience, 2012, 32, 13062-13075.	3.6	89
41	Ro 15-4513 Antagonizes Alcohol-Induced Sedation in Mice Through Î±Î²Î³2-type GABAA Receptors. Frontiers in Neuroscience, 2011, 5, 3.	2.8	26
42	Removal of GABAA Receptor Î³2 Subunits from Parvalbumin Neurons Causes Wide-Ranging Behavioral Alterations. PLoS ONE, 2011, 6, e24159.	2.5	33
43	Parvalbumin-positive CA1 interneurons are required for spatial working but not for reference memory. Nature Neuroscience, 2011, 14, 297-299.	14.8	254
44	Actions of two GABAA receptor benzodiazepine-site ligands that are mediated via non-Î³2-dependent modulation. European Journal of Pharmacology, 2011, 666, 111-121.	3.5	6
45	Genetic techniques and circuit analysis. Frontiers in Molecular Neuroscience, 2010, 3, 4.	2.9	1
46	Cre-ating Ways to Serotonin. Frontiers in Neuroscience, 2010, 4, 167.	2.8	2
47	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, 758-764.	2.3	28
48	Studying cerebellar circuits by remote control of selected neuronal types with GABA-A receptors. Frontiers in Molecular Neuroscience, 2009, 2, 29.	2.9	22
49	Neuregulin Signaling Is Dispensable for NMDA- and GABAA-Receptor Expression in the Cerebellum In Vivo. Journal of Neuroscience, 2009, 29, 2404-2413.	3.6	27
50	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, 17546-17551.	7.1	80
51	Synaptic inhibition of Purkinje cells mediates consolidation of vestibulo-cerebellar motor learning. Nature Neuroscience, 2009, 12, 1042-1049.	14.8	268
52	S.1.02 Engineering receptor subtypes as tools in neuropsychopharmacology. European Neuropsychopharmacology, 2009, 19, S2-S3.	0.7	0
53	P.1.22 Selective modulation of parvalbumin GABAergic interneuron function in-vivo in mice. European Neuropsychopharmacology, 2009, 19, S20-S21.	0.7	0
54	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, 3561-3566.	7.1	368

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55	GABAA Receptors: Molecular Biology, Cell Biology, and Pharmacology. , 2009, , 463-470.		1
56	Establishing a new mouse model for investigating the function of amygdala neurons in anxiety. BMC Pharmacology, 2008, 8, A35.	0.4	0
57	Invalidation of TASK1 potassium channels disrupts adrenal gland zonation and mineralocorticoid homeostasis. EMBO Journal, 2008, 27, 179-187.	7.8	168
58	Changes in expression of some two-pore domain potassium channel genes (KCNK) in selected brain regions of developing mice. Neuroscience, 2008, 151, 1154-1172.	2.3	70
59	K+ Channel TASK-1 Knockout Mice Show Enhanced Sensitivities to Ataxic and Hypnotic Effects of GABAA Receptor Ligands. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 277-286.	2.5	23
60	A Role for TASK-1 (KCNK3) Channels in the Chemosensory Control of Breathing. Journal of Neuroscience, 2008, 28, 8844-8850.	3.6	124
61	TASK-3 Two-Pore Domain Potassium Channels Enable Sustained High-Frequency Firing in Cerebellar Granule Neurons. Journal of Neuroscience, 2007, 27, 9329-9340.	3.6	109
62	GABAA receptors: structure and function in the basal ganglia. Progress in Brain Research, 2007, 160, 21-41.	1.4	102
63	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, 924-934.	2.5	95
64	Does ethanol act preferentially via selected brain GABAA receptor subtypes? the current evidence is ambiguous. Alcohol, 2007, 41, 163-176.	1.7	81
65	From synapse to behavior: rapid modulation of defined neuronal types with engineered GABAA receptors. Nature Neuroscience, 2007, 10, 923-929.	14.8	108
66	The Contribution of TWIK-Related Acid-Sensitive K+-Containing Channels to the Function of Dorsal Lateral Geniculate Thalamocortical Relay Neurons. Molecular Pharmacology, 2006, 69, 1468-1476.	2.3	58
67	The in Vivo Contributions of TASK-1-Containing Channels to the Actions of Inhalation Anesthetics, the Î±2 Adrenergic Sedative Dexmedetomidine, and Cannabinoid Agonists. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 615-626.	2.5	82
68	DNA repair in post-mitotic neurons: a gene-trapping strategy. Cell Death and Differentiation, 2005, 12, 307-309.	11.2	25
69	Loss of zolpidem efficacy in the hippocampus of mice with the GABAAreceptor Î³2 F77I point mutation. European Journal of Neuroscience, 2005, 21, 3002-3016.	2.6	35
70	Modifying the Subunit Composition of TASK Channels Alters the Modulation of a Leak Conductance in Cerebellar Granule Neurons. Journal of Neuroscience, 2005, 25, 11455-11467.	3.6	124
71	Dissecting neural circuitry by combining genetics and pharmacology. Trends in Neurosciences, 2005, 28, 44-50.	8.6	21
72	Agonistic effects of the Î²-carboline DMCM revealed in GABAA receptor Î³2 subunit F77I point-mutated mice. Neuropharmacology, 2005, 48, 469-478.	4.1	24

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73	Behavioural correlates of an altered balance between synaptic and extrasynaptic GABAAergic inhibition in a mouse model. European Journal of Neuroscience, 2004, 20, 2168-2178.	2.6	23
74	Affinity of various benzodiazepine site ligands in mice with a point mutation in the GABAA receptor Î³2 subunit. Biochemical Pharmacology, 2004, 68, 1621-1629.	4.4	45
75	Abolition of zolpidem sensitivity in mice with a point mutation in the GABAA receptor Î³2 subunit. Neuropharmacology, 2004, 47, 17-34.	4.1	70
76	Lymphomagenesis, Hydronephrosis, and Autoantibodies Result from Dysregulation of IL-9 and Are Differentially Dependent on Th2 Cytokines. Journal of Immunology, 2004, 173, 113-122.	0.8	16
77	Cerebellar granule cell Cre recombinase expression. Genesis, 2003, 36, 97-103.	1.6	53
78	In situ hybridization with oligonucleotide probes. International Review of Neurobiology, 2002, 47, 3-59.	2.0	29
79	Introduction: Studying gene expression in neural tissues by in situ hybridization. International Review of Neurobiology, 2002, 47, xvii-xxi.	2.0	1
80	Ectopic expression of the GABAA receptor Î±6 subunit in hippocampal pyramidal neurons produces extrasynaptic receptors and an increased tonic inhibition. Neuropharmacology, 2002, 43, 530-549.	4.1	63
81	Conservation of Î³-Aminobutyric Acid Type A Receptor Î±6 Subunit Gene Expression in Cerebellar Granule Cells. Journal of Neurochemistry, 2002, 66, 1810-1818.	3.9	24
82	Characterization of a Cerebellar Granule Cell-Specific Gene Encoding the Î³-Aminobutyric Acid Type A Receptor Î±6 Subunit. Journal of Neurochemistry, 2002, 67, 907-916.	3.9	36
83	Expression of GABAA receptor subunits in rat brainstem auditory pathways: cochlear nuclei, superior olivary complex and nucleus of the lateral lemniscus. Neuroscience, 2001, 102, 625-638.	2.3	48
84	GABAA receptor cell surface number and subunit stability are regulated by the ubiquitin-like protein Plic-1. Nature Neuroscience, 2001, 4, 908-916.	14.8	217
85	Adaptive regulation of neuronal excitability by a voltage- independent potassium conductance. Nature, 2001, 409, 88-92.	27.8	530
86	Insights into GABAA receptors receptor complexity from the study of cerebellar granule cells. Pharmaceutical Science Series, 2001, , 189-201.	0.0	1
87	Transgenic methods for directing gene expression to specific neuronal types: cerebellar granule cells. Progress in Brain Research, 2000, 124, 69-80.	1.4	27
88	Long-Range Interactions in Neuronal Gene Expression: Evidence from Gene Targeting in the GABAA Receptor Î²2â€“Î±6â€“Î±1â€“Î³2 Subunit Gene Cluster. Molecular and Cellular Neurosciences, 2000, 16, 34-41.	2.2	61
89	Expression of the neuronal calcium sensor protein family in the rat brain. Neuroscience, 2000, 99, 205-216.	2.3	110
90	Somato-synaptic variation of GABAA receptors in cultured murine cerebellar granule cells: investigation of the role of the Î±6 subunit. Neuropharmacology, 2000, 39, 1495-1513.	4.1	19

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91	Cerebellar granule-cell-specific GABAAreceptors attenuate benzodiazepine-induced ataxia: evidence from Î±6-subunit-deficient mice. European Journal of Neuroscience, 1999, 11, 233-240.	2.6	82
92	Alterations in the expression of GABAAreceptor subunits in cerebellar granule cells after the disruption of the Î±6 subunit gene. European Journal of Neuroscience, 1999, 11, 1685-1697.	2.6	103
93	The intrinsic specification of Î³-aminobutyric acid type A receptor Î±6 subunit gene expression in cerebellar granule cells. European Journal of Neuroscience, 1999, 11, 2194-2198.	2.6	13
94	Towards better benzodiazepines. Nature, 1999, 401, 751-752.	27.8	27
95	Loreclezole and La3+ differentiate cerebellar granule cell GABAA receptor subtypes. European Journal of Pharmacology, 1999, 367, 101-105.	3.5	9
96	Interleukin (IL)-4â€"independent Induction of Immunoglobulin (Ig)E, and Perturbation of â€‰T Cell Development in Transgenic Mice Expressing IL-13. Journal of Experimental Medicine, 1998, 188, 399-404.	8.5	175
97	GABA_A-receptor Subtypes: Clinical Efficacy and Selectivity of Benzodiazepine Site Ligands. Annals of Medicine, 1997, 29, 275-282.	3.8	86
98	Directing gene expression to cerebellar granule cells using Â-aminobutyric acid type A receptor Â6 subunit transgenes. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 9417-9421.	7.1	43
99	Î³-Aminobutyric acid type A receptor subunit assembly and sorting: gene targeting and cell biology approaches. Biochemical Society Transactions, 1997, 25, 820-824.	3.4	13
100	Prominent Dendritic Localization in Forebrain Neurons of a Novel mRNA and Its Product, Dendrin. Molecular and Cellular Neurosciences, 1997, 8, 367-374.	2.2	65
101	DNA regions supporting hippocalcin gene expression in cell lines. Molecular Brain Research, 1997, 52, 323-325.	2.3	5
102	Cerebellar Î³-Aminobutyric Acid Type A Receptors: Pharmacological Subtypes Revealed by Mutant Mouse Lines. Molecular Pharmacology, 1997, 52, 380-388.	2.3	59
103	Characterization of the rat hippocalcin gene: the 5â€² flanking region directs expression to the hippocampus. Neuroscience, 1996, 75, 1099-1115.	2.3	22
104	Blunted Furosemide Action On Cerebellar GABA A Receptors In ANT Rats Selectively Bred for High Alcohol Sensitivity. Neuropharmacology, 1996, 35, 1493-1502.	4.1	11
105	The Cerebellum: a Model System for Studying GABA A Receptor Diversity. Neuropharmacology, 1996, 35, 1139-1160.	4.1	121
106	Flip and Flop Variants of AMPA Receptors in the Rat Lumbar Spinal Cord. European Journal of Neuroscience, 1995, 7, 1414-1419.	2.6	49
107	Structure and Distribution of Multiple GABAA Receptor Subunits with Special Reference to the Cerebelluma. Annals of the New York Academy of Sciences, 1995, 757, 506-515.	3.8	10
108	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.	1.6	5

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109	Molecular biology of glutamate receptors. Progress in Neurobiology, 1994, 42, 353-357.	5.7	124
110	Cloning and characterization of the rat 5-HT5B receptor. FEBS Letters, 1993, 333, 25-31.	2.8	60
111	The rat delta-1 and delta-2 subunits extend the excitatory amino acid receptor family. FEBS Letters, 1993, 315, 318-322.	2.8	308
112	Mammalian ionotropic glutamate receptors. Current Opinion in Neurobiology, 1993, 3, 291-298.	4.2	295
113	Calcium-permeable AMPA-kainate receptors in fusiform cerebellar glial cells. Science, 1992, 256, 1566-1570.	12.6	410
114	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, 1433-1437.	7.1	108
115	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, 775-785.	8.1	514
116	GABAA receptor channels: from subunits to functional entities. Current Opinion in Neurobiology, 1992, 2, 263-269.	4.2	249
117	Glutamate receptor expression in the rat retina. Neuroscience Letters, 1992, 138, 179-182.	2.1	104
118	High-affinity kainate a domoate receptors in rat brain. FEBS Letters, 1992, 307, 139-143.	2.8	128
119	Distribution of GABAA receptor subunit mRNAs in rat lumbar spinal cord. Molecular Brain Research, 1991, 10, 179-183.	2.3	95
120	Cloning, pharmacological characteristics and expression pattern of the rat GABAA receptor Î±4 subunit. FEBS Letters, 1991, 289, 227-230.	2.8	241
121	Function and pharmacology of multiple GABAA receptor subunits. Trends in Pharmacological Sciences, 1991, 12, 49-51.	8.7	280
122	Glutamate-operated channels: Developmentally early and mature forms arise by alternative splicing. Neuron, 1991, 6, 799-810.	8.1	546
123	The chicken GABAA receptor Î±1 subunit: cDNA sequence and localization of the corresponding mRNA. Molecular Brain Research, 1991, 9, 333-339.	2.3	45
124	Cloning of a putative high-affinity kainate receptor expressed predominantly in hippocampal CA3 cells. Nature, 1991, 351, 742-744.	27.8	448
125	In situhybridization with oligonucleotides: a simplified method to detectDrosophilatranscripts. Nucleic Acids Research, 1991, 19, 3746-3746.	14.5	5
126	Molecular Biology of Glutamate-Gated Channels: Focus on AMPA and Kainate. , 1991, , 17-41.		0

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127	Chapter 49 Cellular localisation of neurotransmitter mRNAs in striatal grafts. Progress in Brain Research, 1990, 82, 433-439.	1.4	5
128	Flip and flop: a cell-specific functional switch in glutamate-operated channels of the CNS. Science, 1990, 249, 1580-1585.	12.6	1,260
129	A Family of AMPA-Selective Glutamate Receptors. Science, 1990, 249, 556-560.	12.6	1,489
130	Light pulses that shift rhythms induce gene expression in the suprachiasmatic nucleus. Science, 1990, 248, 1237-1240.	12.6	542
131	Localization of preprogalanin mRNA in rat brain: In situ hybridization study with a synthetic oligonucleotide probe. Neuroscience Letters, 1990, 114, 241-247.	2.1	46
132	Distinct regional expression of nicotinic acetylcholine receptor genes in chick brain. Molecular Brain Research, 1990, 7, 305-315.	2.3	70
133	Differential expression of immediate early genes in the hippocampus and spinal cord. Neuron, 1990, 4, 603-614.	8.1	657
134	Gene expression in striatal graftsâ€"I. Cellular localization of neurotransmitter mRNAs. Neuroscience, 1990, 34, 675-686.	2.3	72
135	Localization and modulation of Galanin mRNA in rat brain: effect of reserpine treatment on locus coendeus neurones. European Journal of Pharmacology, 1990, 183, 496.	3.5	0
136	The GABAA Receptor Family: Molecular and Functional Diversity. Cold Spring Harbor Symposia on Quantitative Biology, 1990, 55, 29-40.	1.1	141
137	Cellular localisation of somatostatin mRNA and neuropeptide Y mRNA in foetal striatal tissue grafts. Neuroscience Letters, 1989, 103, 121-126.	2.1	9
138	Differential distribution of GABAA receptor mRNAs in bovine cerebellum â€" Localization of Î±2 mRNA in Bergmann glia layer. Neuroscience Letters, 1989, 106, 7-12.	2.1	52
139	Localization of GABAA receptor Î±-subunit mRNAs in relation to receptor subtypes. Molecular Brain Research, 1989, 5, 305-310.	2.3	58
140	Differential distribution in bovine brain of distinct Î³-aminobutyric acidA receptor Î±-subunit mRNAs. Biochemical Society Transactions, 1989, 17, 566-567.	3.4	7
141	The Structure and Expression of the GABAA Receptor as Deduced by Molecular Genetic Studies. , 1989, , 83-99.		0
142	Structural and functional basis for GABAA receptor heterogeneity. Nature, 1988, 335, 76-79.	27.8	607
143	Distinct GABAA receptor Î± subunit mRNAs show differential patterns of expression in bovine brain. Neuron, 1988, 1, 937-947.	8.1	163