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Molecular biology of GABAA receptors

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912	GABA receptors and GABAergic synapses as targets for drug development. 1990 , 21, 151-160	18
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910	Sequence of the chicken GABAA receptor gamma 2-subunit cDNA. 1990 , 18, 7157	26
909	Subcellular localization of GABAA/benzodiazepine receptor-like immunoreactivity in the superficial gray layer of the rat superior colliculus. 1990 , 120, 212-6	17
908	Functional and molecular distinction between recombinant rat GABAA receptor subtypes by Zn2+. 1990 , 5, 781-8	348
907	The effect of subunit composition of rat brain GABAA receptors on channel function. 1990 , 5, 703-11	561
906	Ligand-gated ion channels in the brain: the amino acid receptor superfamily. 1990 , 5, 383-92	382
905	Novel anxiolytics that act as partial agonists at benzodiazepine receptors. 1990 , 11, 452-6	211
904	Differential effects of chronic lorazepam and alprazolam on benzodiazepine binding and GABAA-receptor function. 1990 , 101, 839-42	23
903	GABAA receptor subtypes immunopurified from rat brain with alpha subunit-specific antibodies have unique pharmacological properties. 1991 , 7, 667-76	194
902	GABA: an excitatory transmitter in early postnatal life. 1991 , 14, 515-9	909
901	Regulation of 35S-TBPS binding by bicuculline is region specific in rat brain. 1991 , 49, PL49-54	15
900	Diazepam binding inhibitor (DBI): a peptide with multiple biological actions. 1991 , 49, 325-44	268
899	Modulation of the NMDA receptor by polyamines. 1991 , 48, 469-98	283
898	Decreased GABAA receptor subunit mRNA concentrations following chronic lorazepam administration. 1991 , 103, 1285-7	97

897	POSTER COMMUNICATIONS. 1991 , 102, 159P-391P	1
896	Expression patterns of GABAA receptor subtypes in developing hippocampal neurons. 1991 , 7, 927-36	111
895	Localization and functional expression of alternatively spliced forms of the GABA(A) receptor gamma(2) subunit. 1991 , 2, 338-43	3
894	The GABAA receptor beta 3 subunit gene: characterization of a human cDNA from chromosome 15q11q13 and mapping to a region of conserved synteny on mouse chromosome 7. 1991 , 11, 1071-8	60
893	Ethanol sensitivity of the GABAA receptor expressed in Xenopus oocytes requires 8 amino acids contained in the gamma 2L subunit. 1991 , 7, 27-33	338
892	Comparative pharmacology of full and partial agonists at the benzodiazepine receptor. 1991 , 1, 201-202	
891	Distribution of GABAA receptor subunit mRNAs in rat lumbar spinal cord. 1991 , 10, 179-83	85
890	Identification of cultured cells expressing ligand-gated cationic channels. 1991 , 2, 108-16	18
889	Isolation, characterization, and localization of human genomic DNA encoding the beta 1 subunit of the GABAA receptor (GABRB1). 1991 , 10, 985-95	55
888	The cDNA sequence and chromosomal location of the murine GABAA alpha 1 receptor gene. 1991 , 9, 390-5	33
887	[Comparative biochemical systems]. 1991 , 99, 1-46	2
886	Primary structure and functional expression of the 5HT3 receptor, a serotonin-gated ion channel. 1991 , 254, 432-7	902
885	Functional reconstitution of a GABAA receptor purified from bovine brain. 1991 , 179, 1259-63	6
884	Identification and immunohistochemical mapping of GABAA receptor subtypes containing the delta-subunit in rat brain. 1991 , 283, 145-9	91
883	A novel gamma subunit of the GABAA receptor identified using the polymerase chain reaction. 1991 , 284, 211-5	66
882	Differential expression of GABAA receptor alpha-subunits in rat brain during development. 1991 , 286, 44-6	45
881	Cloning, pharmacological characteristics and expression pattern of the rat GABAA receptor alpha 4 subunit. 1991 , 289, 227-30	217
880	Activation of protein kinase C results in down-modulation of different recombinant GABAA-channels. 1991 , 291, 150-2	82

879	The gamma 3-subunit of the GABAA-receptor confers sensitivity to benzodiazepine receptor ligands. 1991 , 293, 191-4	77
878	Promiscuity of GABAA-receptor beta 3 subunits as demonstrated by their presence in alpha 1, alpha 2 and alpha 3 subunit-containing receptor subpopulations. 1991 , 295, 81-3	22
877	Gestational exposure to diazepam increases sensitivity to convulsants that act at the GABA/benzodiazepine receptor complex. 1991 , 196, 223-31	43
876	Ovarian steroid modulation of [3H]muscimol binding in the spinal cord of the rat. 1991 , 556, 321-3	36
875	Differences among effects of sedative-hypnotic drugs on GABA-mediated chloride flux: quench flow studies. 1991 , 555, 259-64	7
874	Peptide heterogeneity of GABAA/benzodiazepine receptors in bovine cerebral cortex and cerebellum. 1991 , 550, 279-86	10
873	Sexual maturation modifies the GABAergic control of gonadotrophin secretion in female rats. 1991 , 563, 12-6	63
872	GABAA receptor phosphorylation: multiple sites, actions and artifacts. 1991 , 12, 84-7	85
871	Non-genomic and genomic effects of steroids on neural activity. 1991 , 12, 141-7	616
870	Allosteric actions of central nervous system depressants including anesthetics on subtypes of the inhibitory gamma-aminobutyric acidA receptor-chloride channel complex. 1991 , 625, 145-54	49
869	Sequence comparison of the GABAA receptor alpha 1 subunit cDNA in long and short sleep mice by direct sequencing of polymerase chain reaction amplified cDNA. 1991 , 625, 551-4	3
868	"Prolegomena" to the biology of the diazepam binding inhibitor (DBI). 1991 , 30, 1357-64	14
867	Role of DBI in brain and its posttranslational processing products in normal and abnormal behavior. 1991 , 30, 1425-33	48
866	Alpidem, an omega-1 receptor-selective partial agonist: a new approach to anxiety treatment. 1991 , 1, 202-205	4
865	In situ hybridization histochemistry reveals a diversity of GABAA receptor subunit mRNAs in neurons of the rat spinal cord and dorsal root ganglia. 1991 , 42, 497-507	139
864	GABAA receptor subtypes: from pharmacology to molecular biology. <i>FASEB Journal</i> , 1991 , 5, 2916-23 0.9	374
863	Sequence of a functional invertebrate GABAA receptor subunit which can form a chimeric receptor with a vertebrate alpha subunit <i>EMBO Journal</i> , 1991 , 10, 3239-3245	71
862	Pre- and postnatal development of GABA receptors in Macaca monkey visual cortex. 1991 , 11, 3943-59	49

861	Chapter 1. New Anxiolytics. 1991 , 1-10	5
860	Ethanol-induced changes in chloride flux are mediated by both GABA(A) and GABA(B) receptors. 1991 , 15, 233-7	35
859	Evolutionary aspects of transmitter molecules, their receptors and channels. 1991 , 102 Suppl, S7-29	37
858	Probing the GABAA receptor with antibodies. 1991 , 19, 124-8	4
857	A transient osmotic permeabilization method for the introduction of impermeant molecules into functional brain membrane vesicles. 1991 , 40, 233-41	4
856	Receptors for neurotransmitters and related substances. 1991 , 2, 269-77	10
855	Site-specific acylation of GABA-gated Cl- channels: effects on 36Cl- uptake. 1991 , 206, 113-8	8
854	Aging reduces the mRNA of alpha 1 GABAA receptor subunit in rat cerebral cortex. 1991 , 208, 171-4	22
853	GABA and inhibitory synaptic transmission in the brain. 1991 , 3, 175-181	28
852	Molecular biological approaches to the synthesis and action of GABA. 1991 , 3, 183-190	10
851	Benzodiazepine receptors: new vistas. 1991 , 3, 191-203	33
850	Toxicokinetics of Ro 5-4864, lindane and picrotoxin compared. 1991 , 38, 235-42	15
849	Sequence and regional distribution of the mRNA encoding the alpha 2 polypeptide of rat gamma-aminobutyric acidA receptors. 1991 , 56, 1717-22	61
848	Conserved organization of gamma-aminobutyric acidA receptor genes: cloning and analysis of the chicken beta 4-subunit gene. 1991 , 57, 352-5	44
847	Cyclic AMP-dependent protein kinase decreases gamma-aminobutyric acidA receptor-mediated 36Cl- uptake by brain microsacs. 1991 , 57, 722-5	50
846	Polyamines modulate the binding of [3H]MK-801 to the solubilized N-methyl-D-aspartate receptor. 1991 , 57, 811-8	25
845	Chronic ethanol treatment alters brain levels of gamma-aminobutyric acidA receptor subunit mRNAs: relationship to genetic differences in ethanol withdrawal seizure severity. 1991 , 57, 1452-5	101
844	Differential Expression of the GABAA Receptor Complex in the Dorsal Thalamus and Reticular Nucleus: An Immunohistochemical Study in the Adult and Developing Rat. 1991 , 3, 118-125	28

843	Taurine acts on a subclass of GABAA receptors in mammalian brain in vitro. 1991 , 207, 9-16	99
842	Structural heterogeneity of membrane receptors and GTP-binding proteins and its functional consequences for signal transduction. 1991 , 199, 1-15	38
841	On the principles of functional ordering in biological membranes. 1991 , 57, 375-99	190
840	Region-specific expression of the mRNAs encoding beta subunits (beta 1, beta 2, and beta 3) of GABAA receptor in the rat brain. 1991 , 303, 637-57	105
839	Kindling does not induce persistent changes in fluorographic labeling patterns of benzodiazepine binding proteins in various rat brain regions. 1991 , 9, 105-12	3
838	Anticonvulsant actions and interaction of GABA agonists and a benzodiazepine in pars reticulata of substantia nigra. 1991 , 8, 11-20	26
837	Cellular distribution of L-glutamate decarboxylase (GAD) and gamma-aminobutyric acidA (GABAA) receptor mRNAs in the retina. 1991 , 11, 497-509	30
836	Alterations of GABA metabolism and seizure susceptibility in the substantia nigra of the kindled rat acclimating to changes in osmotic state. 1991 , 16, 269-78	6
835	Chronic lesion of corticostriatal fibers reduces GABAB but not GABAA binding in rat caudate putamen: an autoradiographic study. 1991 , 16, 309-15	12
834	The GABAA receptor family in the mammalian brain. 1991 , 16, 317-25	47
833	Identification and characterization of a pregnane steroid recognition site that is functionally coupled to an expressed GABAA receptor. 1991 , 16, 347-56	46
833 832		46 56
0	coupled to an expressed GABAA receptor. 1991 , 16, 347-56	
832	coupled to an expressed GABAA receptor. 1991, 16, 347-56 Pharmacology of insect GABA receptors. 1991, 16, 363-74 Molecular cloning and transformation of cyclodiene resistance in Drosophila: an invertebrate	56
8 ₃₂	coupled to an expressed GABAA receptor. 1991, 16, 347-56 Pharmacology of insect GABA receptors. 1991, 16, 363-74 Molecular cloning and transformation of cyclodiene resistance in Drosophila: an invertebrate gamma-aminobutyric acid subtype A receptor locus. 1991, 88, 7209-13 Cloning of the gamma-aminobutyric acid (GABA) rho 1 cDNA: a GABA receptor subunit highly	56 229
832 831 830	coupled to an expressed GABAA receptor. 1991, 16, 347-56 Pharmacology of insect GABA receptors. 1991, 16, 363-74 Molecular cloning and transformation of cyclodiene resistance in Drosophila: an invertebrate gamma-aminobutyric acid subtype A receptor locus. 1991, 88, 7209-13 Cloning of the gamma-aminobutyric acid (GABA) rho 1 cDNA: a GABA receptor subunit highly expressed in the retina. 1991, 88, 2673-7 Second messenger-mediated actions of norepinephrine on target neurons in central circuits: a new	56 229 368
8 ₃₂ 8 ₃₁ 8 ₃₀ 8 ₂₉	Pharmacology of insect GABA receptors. 1991, 16, 363-74 Molecular cloning and transformation of cyclodiene resistance in Drosophila: an invertebrate gamma-aminobutyric acid subtype A receptor locus. 1991, 88, 7209-13 Cloning of the gamma-aminobutyric acid (GABA) rho 1 cDNA: a GABA receptor subunit highly expressed in the retina. 1991, 88, 2673-7 Second messenger-mediated actions of norepinephrine on target neurons in central circuits: a new perspective on intracellular mechanisms and functional consequences. 1991, 88, 351-62 Overview of toxins and drugs as tools to study excitable membrane ion channels: II.	56 229 368 18

825	GABA and epilepsy: their complex relationship and the evolution of our understanding. 1992, 7, 77-86	41
824	Molecular mechanisms of the partial allosteric modulatory effects of bretazenil at gamma-aminobutyric acid type A receptor. 1992 , 89, 3620-4	67
823	Bibliographie. 1992 , 100, T167-T182	
822	Expression patterns of gamma-aminobutyric acid type A receptor subunit mRNAs in primary cultures of granule neurons and astrocytes from neonatal rat cerebella. 1992 , 89, 9344-8	85
821	The distribution of thirteen GABAA receptor subunit mRNAs in the rat brain. III. Embryonic and postnatal development. 1992 , 12, 4151-72	984
820	GABAA- and GABAB-mediated processes in visual cortex. 1992 , 90, 335-48	20
819	Anion sensitivity and spectral tuning of cone visual pigments in situ. 1992 , 89, 9181-5	79
818	A novel modulatory binding site for zinc on the GABAA receptor complex in cultured rat neurones. 1992 , 447, 587-625	113
817	Human chromosomal localization of genes encoding the gamma 1 and gamma 2 subunits of the gamma-aminobutyric acid receptor indicates that members of this gene family are often clustered in the genome. 1992 , 89, 5857-61	71
816	Five subtypes of type A gamma-aminobutyric acid receptors identified in neurons by double and triple immunofluorescence staining with subunit-specific antibodies. 1992 , 89, 6726-30	298
815	Heterogeneity and regulation of nicotinic acetylcholine receptors. 1992 , 34, 25-131	75
814	Expression of a glutamate-activated chloride current in Xenopus oocytes injected with Caenorhabditis elegans RNA: evidence for modulation by avermectin. 1992 , 15, 339-48	124
813	Identification of a putative gamma-aminobutyric acid (GABA) receptor subunit rho2 cDNA and colocalization of the genes encoding rho2 (GABRR2) and rho1 (GABRR1) to human chromosome 6q14-q21 and mouse chromosome 4. 1992 , 12, 801-6	183
812	Neurosteroids: endogenous bimodal modulators of the GABAA receptor. Mechanism of action and physiological significance. 1992 , 38, 379-95	1002
811	Levels of GABAa receptor subunit mRNA in rat brain following flurazepam treatment. 1992 , 6, 364-9	19
810	Expression of GABAA receptors in the vertebrate retina. 1992 , 90, 3-28	42
809	Functional modulation of GABAA receptors by cAMP-dependent protein phosphorylation. 1992 , 257, 661-5	322
808	Effects of lorazepam tolerance and withdrawal on GABAA receptor operated chloride channels in mice selected for differences in ethanol withdrawal severity. 1992 , 51, 931-43	3

807	Effects of pentobarbital tolerance and dependence on convulsant and GABAA receptor antagonist binding. 1992 , 50, 1701-9	5
806	Invertebrate GABA and glutamate receptors: molecular biology reveals predictable structures but some unusual pharmacologies. 1992 , 15, 469-74	39
805	[35S]t-butylbicyclophosphorothionate binding sites in susceptible and cyclodiene-resistant houseflies. 1992 , 21, 215-21	5
804	Potentiation of nicotinic receptor response by external calcium in rat central neurons. 1992 , 8, 937-45	170
803	Muscimol-induced reduction of GABAA receptor alpha 1-subunit mRNA in primary cultured cerebral cortical neurons. 1992 , 15, 327-31	34
802	First direct electron microscopic visualization of a tight spatial coupling between GABAA-receptors and voltage-sensitive calcium channels. 1992 , 137, 14-8	21
801	Rat pituitary cells selectively express mRNA encoding the short isoform of the y2 GABAA receptor subunit. 1992 , 13, 145-50	17
800	Aging related alterations in GABAA receptor subunit mRNA levels in Fischer rats. 1992 , 14, 71-8	49
799	Developmental profile of polyadenylated and non-polyadenylated GABAA receptor subunit mRNAs. 1992 , 14, 179-85	7
798	Gene expression in cells of the central nervous system. 1992 , 38, 523-69	32
797	Region-specific expression of GABAA receptor alpha 3 and alpha 4 subunits mRNAs in the rat brain. 1992 , 12, 293-314	62
796	Molecular and electrophysiological characterization of a allelic variant of the rat alpha 6 GABAA receptor subunit. 1992 , 16, 173-8	14
795	GABAA receptor function and regional analysis of subunit mRNAs in long-sleep and short-sleep mouse brain. 1992 , 14, 196-206	21
794	A review of recently-developed ligands for neuronal benzodiazepine receptors and their pharmacological activities. 1992 , 16, 755-81	27
793	Confirmation of the localization of the human GABAA receptor alpha 1-subunit gene (GABRA1) to distal 5q by linkage analysis. 1992 , 14, 745-8	43
792	Chronic GABA exposure down-regulates GABA-benzodiazepine receptor-ionophore complex in cultured cerebral cortical neurons. 1992 , 16, 29-36	50
791	The GABAA receptor gamma 1 subunit is expressed by distinct neuronal populations. 1992 , 15, 121-32	51
790	Ontogeny of GABAA/benzodiazepine receptor subunit mRNAs in the murine inferior olive: transient appearance of beta 3 subunit mRNA and [3H]muscimol binding sites. 1992 , 16, 246-54	11

789	Use of a P-element mediated germline transformant to study the effect of gene dosage in cyclodiene insecticide-resistant Drosophila melanogaster (Meigen). 1992 , 43, 78-84	7
788	Possible substrates of ethanol reinforcement: GABA and dopamine. 1992 , 654, 61-9	35
787	On the mechanism of the gamma-aminobutyric acid receptor in the mammalian (mouse) cerebral cortex. Chemical kinetic investigations with a 10-ms time resolution adapted to measurements of neuronal receptor function in single cells. 1992 , 31, 5488-99	25
786	Effects of intravenous bicuculline and strychnine on inspiratory inhibitory responses in the cat. 1992 , 579, 270-8	5
7 ⁸ 5	Expression of GABAA receptor polypeptides in clonal rat cell lines. 1992 , 581, 143-7	8
7 ⁸ 4	Effects of sedatives on GABA-mediated chloride flux into cerebral cortical microsacs prepared from emotional and non-emotional mice. 1992 , 218, 283-6	9
783	The distribution of 13 GABAA receptor subunit mRNAs in the rat brain. I. Telencephalon, diencephalon, mesencephalon. 1992 , 12, 1040-62	1405
782	Differential and transient expression of GABAA receptor alpha-subunit mRNAs in the developing rat CNS. 1992 , 12, 2888-900	223
781	Point mutations affecting antagonist affinity and agonist dependent gating of GABAA receptor channels <i>EMBO Journal</i> , 1992 , 11, 2017-2023	166
78o	The atypical M2 segment of the beta subunit confers picrotoxinin resistance to inhibitory glycine receptor channels <i>EMBO Journal</i> , 1992 , 11, 4305-4311	273
779	GABA-gated anion channels in intact crayfish opener muscle fibres and stretch-receptor neurons are neither activated nor desensitized by glutamate. 1992 , 170, 521-4	2
778	Heterogeneity of responses to agents that act at the benzodiazepine site on GABAA receptors of dorsal root ganglion neurons freshly isolated from adult rats. 1992 , 11, 259-61	3
777	Isolation and characterization of endogenous modulators for GABA system. 1992 , 17, 107-14	9
776	Neurochemical changes associated with the action of acute administration of diazepam in reversing the behavioral paradigm conditioned emotional response (CER). 1992 , 17, 497-507	3
775	Pharmacological and Electrophysiological Properties of Recombinant GABAA Receptors Comprising the alpha3, beta1 and gamma2 Subunits. 1992 , 4, 1-9	46
774	Differential Localization of Two Alternatively Spliced GABAA Receptor gamma2-Subunit mRNAs in the Chick Brain. 1992 , 4, 271-277	30
773	Preparation of antibodies to beta subunits of gamma-aminobutyric acidA receptors. 1992 , 59, 1444-51	16
772	Drosophila cyclodiene resistance gene shows conserved genomic organization with vertebrate gamma-aminobutyric acidA receptors. 1992 , 59, 1562-5	27

771	Distinct developmental patterns of expression of rat alpha 1, alpha 5, gamma 2S, and gamma 2L gamma-aminobutyric acidA receptor subunit mRNAs in vivo and in vitro. 1992 , 59, 62-72	91
770	Effect of diethyl pyrocarbonate modification of benzodiazepine receptors on [3H]Ro 15-4513 binding. 1992 , 59, 560-7	4
769	Characterization of two cerebellar binding sites of [3H]Ro 15-4513. 1992 , 59, 568-74	15
768	Heterogeneity in the allosteric interaction between the gamma-aminobutyric acid (GABA) binding site and three different benzodiazepine binding sites of the GABAA/benzodiazepine receptor complex in the rat nervous system. 1992 , 58, 485-93	65
767	Potentiation of gamma-aminobutyric acid-mediated chloride flux by pentobarbital and diazepam but not ethanol. 1992 , 58, 745-51	24
766	Effect of chronic ethanol treatment on the gamma-aminobutyric acid-mediated enhancement of [3H]flunitrazepam binding in rat cortex and hippocampus. 1992 , 58, 1916-22	13
765	Purification and characterization of naturally occurring benzodiazepine receptor ligands in rat and human brain. 1992 , 58, 2102-15	63
764	Regional distribution and kinetics of three sites on the GABAA receptor: lack of effect of portacaval shunting. 1992 , 12, 334-46	21
763	The effect of chronic treatment with peripheral benzodiazepine receptor ligands on behavior and GABAA/benzodiazepine receptors in rat. 1992 , 346, 432-6	9
762	Bi-directional changes in the levels of messenger RNAs encoding gamma-aminobutyric acidA receptor alpha subunits after flurazepam treatment. 1992 , 226, 335-41	58
761	GABAA receptor subunit mRNA levels are differentially influenced by chronic FG 7142 and diazepam exposure. 1992 , 226, 21-8	78
760	Effects of subunit types of the recombinant GABAA receptor on the response to a neurosteroid. 1992 , 225, 321-30	58
759	Building a bridge between neurobiology and mental illness. 1992 , 26, 449-60	11
758	Sex differences in sensitivity to pentylenetetrazol but not in GABAA receptor binding. 1992 , 43, 441-7	56
757	Fluctuations in responses to diazepam during the oestrous cycle in the mouse. 1992 , 41, 719-25	26
756	Branched-chain amino acids increase the seizure threshold to picrotoxin in rats. 1992 , 43, 669-71	11
755	Molecular basis of pharmacological heterogeneity of GABAA receptors. 1992 , 4, 231-7	33
754	Dealing with sadness, madness and hostility. New psychotropic drug remedies for the future. 1992 , 14, 206-20	2

753	Effects of central and peripheral type benzodiazepine ligands on growth hormone and gonadotropin secretion in male rats. 1992 , 71, 75-80	2
75 ²	In search for genes predisposing to epilepsy: motives and methods. 1992 , 140, 51-8	1
751	Synthesis of (2-Arylindol-3-yl)acetamides as Probes of Mitochondrial Steroidogenesis New Mechanism for GABAA Receptor Modulation. 1992 , 31, 1060-1062	7
750	Application of an immune-tolerizing procedure to generate monoclonal antibodies specific to an alternate protein isoform of bovine growth hormone. 1992 , 207, 142-9	11
749	Monensin inhibits the binding of 3H-flunitrazepam to and reveals the intracellular passage of GABAA/benzodiazepine receptor. 1992 , 49, 166-71	3
748	Comparative molecular neuroanatomy of cloned GABAA receptor subunits in the rat CNS. 1992 , 326, 193-216	328
747	Differential expression of GABAA/benzodiazepine receptor beta 1, beta 2, and beta 3 subunit mRNAs in the developing mouse cerebellum. 1992 , 326, 580-94	34
746	Synthesis of [3H]tert-butyl 8-chloro-5,6-dihydro-5-methyl-6-oxo-4h-imidazo[1,5-a][1,4]benzodiazepine 3-carboxylate, a selective, high affinity ligand for the diazepam insensitive (DI) subtype of the benzodiazepine	5
745	Synthese von (2-Arylindol-3-yl)acetamiden als Sonden zur Untersuchung der mitochondrialen Steroidbildung lein neuer Mechanismus fildie GABAA-Rezeptormodulation. 1992 , 104, 1092-1094	О
744	Insecticide action at the GABA-gated chloride channel: recognition, progress, and prospects. 1993 , 22, 13-23	112
743	Developmental changes in human gamma-aminobutyric acidA receptor subunit composition. 1993 , 34, 687-93	91
742	Role of GABA during the multiple consolidation of memory. 1993 , 28, 3-27	61
741	Pregnenolone metabolism in rodent embryonic neurons and astrocytes. 1993 , 7, 170-5	83
740	Immunocytochemical study of GABAA receptors in the cat visual cortex. 1993 , 333, 94-108	23
739	Ontogeny of GABAA receptor subunit mRNAs in rat spinal cord and dorsal root ganglia. 1993 , 338, 337-59	169
738	CL 218,872 a triazolopyridazine with a selective affinity for the benzodiazepine BZ1 receptor subtype, retards the development and expression of amygdaloid-kindled seizures: effects of flumazenil. 1993 , 16, 19-26	3
737	The influence of membrane potential on chloride channels activated by GABA in rat cultured hippocampal neurons. 1993 , 136, 273-80	29
736	GABAthe quintessential neurotransmitter: electroneutrality, fidelity, specificity, and a model for the ligand binding site of GABAA receptors. 1993 , 18, 365-76	32

735	Electric shock convulsions in the rabbit and brain cortex GABAA receptor function. 1993 , 18, 883-6	2
734	Novel GABA responses from rod-driven retinal horizontal cells. 1993 , 361, 162-4	244
733	Functional heterogeneity of hippocampal GABAA receptors. 1993 , 5, 1042-9	46
732	Involvement of a disulfide bond in the binding of flunitrazepam to the benzodiazepine receptor from bovine cerebral cortex. 1993 , 60, 536-42	2
731	Antibodies to the human gamma 2 subunit of the gamma-aminobutyric acidA/benzodiazepine receptor. 1993 , 60, 961-71	48
730	Antibodies specific for alpha-subunit subtypes of GABAA receptors reveal brain regional heterogeneity. 1993 , 60, 1388-98	58
729	Molecular determinants of general anesthetic action: role of GABAA receptor structure. 1993 , 60, 1548-53	41
728	Drosophila gamma-aminobutyric acid receptor gene Rdl shows extensive alternative splicing. 1993 , 60, 2323-6	73
727	Immunochemical characterization of the beta 2 subunit of the GABAA receptor. 1993 , 61, 2034-40	12
726	GABA alters GABAA receptor mRNAs and increases ligand binding. 1993 , 61, 2334-7	52
725	Antibodies specific for GABAA receptor alpha subunits reveal that chronic alcohol treatment down-regulates alpha-subunit expression in rat brain regions. 1993 , 61, 1620-5	157
724	Activation of calcium-phospholipid-dependent protein kinase enhances benzodiazepine and barbiturate potentiation of the GABAA receptor. 1993 , 60, 1972-5	49
723	GABAA receptor subtypes: ligand binding heterogeneity demonstrated by photoaffinity labeling and autoradiography. 1993 , 61, 1479-91	86
722	Cloning of the Drosophila cyclodiene insecticide resistance gene: a novel GABAA receptor subtype?. 1993 , 104, 9-12	8
721	Absence of modifications of the pharmacological properties of the GABAA receptor complex during aging, as assessed in 3- and 24-month-old rat cerebral cortex. 1993 , 246, 81-7	18
720	Labelling of diazepam-sensitive and -insensitive benzodiazepine receptors with [3H]tert-butyl-8-chloro-5,6-dihydro-5-methyl-6-oxo-4H-imidazo [1,5-a][1,4]benzodiazepine 3-carboxylate (ZG-63). 1993 , 247, 57-63	8
719	Progesterone withdrawal decreases latency to and increases duration of electrified prod burial: a possible rat model of PMS anxiety. 1993 , 46, 897-904	122
718	Solubilization of benzodiazepine receptors from long- and short-sleep mice. 1993 , 44, 133-9	1

717	FG7142 causes opposite changes in [3H]GABA release from nigrocollicular regions. 1993 , 44, 333-8	3
716	Distribution of GABA-like immunoreactivity during post-metamorphic development and regeneration of the central nervous system in the ascidian Ciona intestinalis. 1993 , 272, 553-561	19
7 ¹ 5	Expression of alpha 1, alpha 5, and gamma 2 GABAA receptor subunit mRNAs measured in situ in rat hippocampus and cortex following chronic flurazepam administration. 1993 , 4, 277-92	41
714	Effect of sertraline treatment on benzodiazepine receptors in the rat brain. 1993 , 94, 31-41	6
713	Discriminative stimulus effects of omega (BZ) receptor ligands: correlation with in vivo inhibition of [3H]-flumazenil binding in different regions of the rat central nervous system. 1993 , 111, 315-22	28
712	Modulation of the GABAA-like autoreceptor by barbiturates but not by steroids. 1993 , 32, 355-7	11
711	Expression of a Drosophila GABA receptor in a baculovirus insect cell system. Functional expression of insecticide susceptible and resistant GABA receptors from the cyclodiene resistance gene Rdl. 1993 , 335, 315-8	34
710	Glutamate receptors of Drosophila melanogaster. Primary structure of a putative NMDA receptor protein expressed in the head of the adult fly. 1993 , 324, 171-7	75
709	Antinociception produced by microinjection of L-glutamate into the ventromedial medulla of the rat: mediation by spinal GABAA receptors. 1993 , 620, 86-96	62
708	Comparative autoradiographic distribution of central omega (benzodiazepine) modulatory site subtypes with high, intermediate and low affinity for zolpidem and alpidem. 1993 , 604, 240-50	89
707	Regional differences in the enhancement by GABA of [3H]zolpidem binding to omega 1 sites in rat brain membranes and sections. 1993 , 600, 134-40	19
706	Importance of hypothalamic function to stressor-induced responsiveness of the GABAA receptor in the cerebral cortex: a non-corticosterone influence. 1993 , 609, 244-52	23
7°5	Alcohol modulation of cloned GABAA receptor-channel complex expressed in human kidney cell lines. 1993 , 631, 143-6	28
704	Freeze-fracture immunocytochemical study of the expression of native and recombinant GABAA receptors. 1993 , 603, 234-42	18
703	Differential modulation of GABAA receptor-channel complex by polyvalent cations in rat dorsal root ganglion neurons. 1993 , 607, 222-32	72
702	GABA and pentobarbital potentiation of chloride influx into microsacs is influenced by incubation time. 1993 , 619, 319-23	
701	The benzodiazepine receptor partial agonist bretazenil and the partial inverse agonist Ro 15-4513: effects on salt preference and aversion in the rat. 1993 , 612, 313-8	9
700	Region-specific changes of GABAA receptors by tolerance to and dependence upon pentobarbital. 1993 , 236, 23-30	25

699	Heterogeneous responses of substantia nigra pars reticulata neurons to gamma-hydroxybutyric acid administration. 1993 , 230, 363-5	9
698	Fetal, neonatal and adult expression of benzodiazepine receptor subtypes in human visual cortex. 1993 , 236, 333-6	9
697	Excitatory and inhibitory responses mediated by GABAA and GABAB receptors in guinea pig distal colon. 1993 , 230, 187-93	34
696	Characterization of substantia nigra pars reticulata neurons based on response to iontophoretically applied GABA and flurazepam. 1993 , 53, 1911-9	4
695	Peripheral-type benzodiazepine receptors. 1993 , 52, 1329-42	72
694	Antagonist inhibition of GABAA-mediated chloride uptake is atypical in nigrocollicular areas. 1993 , 53, 707-15	6
693	Differential effects on GABAA receptor gamma 2-subunit messenger RNA by tolerance to and withdrawal from pentobarbitalan in situ hybridization study. 1993 , 53, PL321-6	18
692	Naturally occurring benzodiazepines and benzodiazepine-like molecules in brain. 1993 , 58, 1-8	18
691	Pharmacology of GABA rho 1 and GABA alpha/beta receptors expressed in Xenopus oocytes and COS cells. 1993 , 109, 200-6	125
690	Differential properties of type I and type II benzodiazepine receptors in mammalian CNS neurones. 1993 , 109, 819-25	25
689	Repeated swim-stress reduces GABAA receptor alpha subunit mRNAs in the mouse hippocampus. 1993 , 18, 267-72	42
688	GABAA/benzodiazepine receptor gamma 2 subunit gene expression in developing normal and mutant mouse cerebellum. 1993 , 19, 9-21	17
687	A point mutation in a Drosophila GABA receptor confers insecticide resistance. 1993 , 363, 449-51	448
686	Insulin resistance syndrome: defective GABA neuromodulation as a possible hereditary pathogenetic factor (the 'GABA hypothesis'). 1993 , 40, 197-206	9
685	Pre-natal benzodiazepine exposure. III. Lorazepam exposure is associated with a shift toward inverse agonist efficacy. 1993 , 7, 39-42	2
684	Differential effect of chronic ethanol treatment on barbiturate and steroid modulation of muscimol-binding to rat brain cortex. 1993 , 158, 83-6	8
683	The rapidly expanding range of neuronal benzodiazepine receptor ligands. 1993, 40, 1-61	83
682	Target receptors for hypnotics: Relevance to pharmacological profile and therapeutic action. 1993 , 3, 310-311	

	Progesterone receptor-mediated effects of neuroactive steroids. 1993 , 11, 523-30	275
680	GABAA-receptor immunoreactivity in the rat dorsal thalamus: an ultrastructural investigation. 1993 , 158, 232-6	27
679	3 alpha-hydroxy-5 alpha-pregnan-20-one modulation of solubilized GABA/benzodiazepine receptor complex. 1993 , 45, 309-14	5
678	Inhibition of t-[35S]butylbicyclophosphorothionate binding by convulsant agents in primary cultures of cerebellar neurons. 1993 , 73, 85-90	32
677	Developmental expression of the alpha 6 GABAA receptor subunit mRNA occurs only after cerebellar granule cell migration. 1993 , 75, 91-103	88
676	Physiological evidence for two distinct GABAA responses in rat hippocampus. 1993 , 10, 189-200	280
675	Excitotoxicity and alcohol-related brain damage. 1993 , 17, 19-27	151
674	Multiplicity, structure, and function in GABAA receptors. 1993 , 707, 116-25	12
673	Chronic benzodiazepine administration. XI. Concurrent administration of PK11195 attenuates lorazepam discontinuation effects. 1993 , 8, 267-73	15
672	Alcohol: Effects on GABAA Receptor Function and Gene Expression. 1993 , 175-183	2
671	Molecular biology of gamma-aminobutyric acid type A/benzodiazepine receptors. 1993 , 11, 16-28	4
670	Molecular biology of gamma-aminobutyric acid type A/benzodiazepine receptors. 1993 , 11, 16-28 Transfection of the CD20 cell surface molecule into ectopic cell types generates a Ca2+ conductance found constitutively in B lymphocytes. 1993 , 121, 1121-32	271
·	Transfection of the CD20 cell surface molecule into ectopic cell types generates a Ca2+	
670	Transfection of the CD20 cell surface molecule into ectopic cell types generates a Ca2+ conductance found constitutively in B lymphocytes. 1993 , 121, 1121-32 The distribution of GABAA-benzodiazepine receptors in the basal ganglia in Huntington's disease	271
670 669	Transfection of the CD20 cell surface molecule into ectopic cell types generates a Ca2+ conductance found constitutively in B lymphocytes. 1993, 121, 1121-32 The distribution of GABAA-benzodiazepine receptors in the basal ganglia in Huntington's disease and in the quinolinic acid-lesioned rat. 1993, 99, 105-23	271
670 669 668	Transfection of the CD20 cell surface molecule into ectopic cell types generates a Ca2+ conductance found constitutively in B lymphocytes. 1993, 121, 1121-32 The distribution of GABAA-benzodiazepine receptors in the basal ganglia in Huntington's disease and in the quinolinic acid-lesioned rat. 1993, 99, 105-23 Chapter 6 GABAA and glycine receptors. 1993, 24, 183-197 Properties of GABA-mediated synaptic potentials induced by zinc in adult rat hippocampal	271 61
670 669 668	Transfection of the CD20 cell surface molecule into ectopic cell types generates a Ca2+ conductance found constitutively in B lymphocytes. 1993, 121, 1121-32 The distribution of GABAA-benzodiazepine receptors in the basal ganglia in Huntington's disease and in the quinolinic acid-lesioned rat. 1993, 99, 105-23 Chapter 6 GABAA and glycine receptors. 1993, 24, 183-197 Properties of GABA-mediated synaptic potentials induced by zinc in adult rat hippocampal pyramidal neurones. 1993, 460, 503-23 Selection of transmitter responses at sites of neurite contact during synapse formation between	271 61 40

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662	Concordance between isolated cleft palate in mice and alterations within a region including the gene encoding the beta 3 subunit of the type A gamma-aminobutyric acid receptor. 1993 , 90, 5105-9	70
661	Cationic modulation of rho 1-type gamma-aminobutyrate receptors expressed in Xenopus oocytes. 1994 , 91, 12725-9	51
660	Lamina-specific expression and activity-dependent regulation of seven GABAA receptor subunit mRNAs in monkey visual cortex. 1994 , 14, 2236-59	92
659	GABAA Receptor C thloride Channel Complex. 1994 , 19, 148-165	3
658	Assembly of GABAA receptor subunits: role of the delta subunit. 1994 , 14, 7077-86	293
657	Distinctive patterns of GABAA receptor subunit mRNAs in 13 cell lines. 1994 , 14, 5417-28	58
656	Pentobarbital differentially enhances the affinity of [3H]flunitrazepam binding across brain regions. 1994 , 49, 1-10	4
655	Few cell lines with GABAA mRNAs have functional receptors. 1994 , 14, 5429-36	81
654	GABAA receptor subunit immunoreactivity in primate visual cortex: distribution in macaques and humans and regulation by visual input in adulthood. 1994 , 14, 2383-401	116
653	A novel gamma-aminobutyric acid receptor subunit (rho 2) cloned from human retina forms bicuculline-insensitive homooligomeric receptors in Xenopus oocytes. 1994 , 14, 6524-31	95
652	Chapter 9 GABAA Receptor-Activated Chloride Channels. 1994 , 42, 215-263	15
651	The effect of Ro 15-4513, an inverse agonist at the benzodiazepine receptor, on the exploratory response to novelty in the playground maze. 1994 , 8, 32-9	2
650	Experimental models of epilepsy in young animals. 1994 , 9 Suppl 1, S3-11	19
649	Convulsants Acting at the Inhibitory Glycine Receptor. 1994 , 539-575	4
648	The postnatal development of the GABAA/benzodiazepine receptor in the rat red nucleus. 1994 , 14, 267-80	4
647	GABA binding sites: their density, their affinity to muscimol and their behaviour against neuroactive steroids in human gliomas of different degrees of malignancy. 1994 , 96, 233-41	13
646	GABA receptor-channel complex as a target site of mercury, copper, zinc, and lanthanides. 1994 , 14, 599-621	53

645	Heterogeneity and differential expression of the gamma-aminobutyric acidA (GABAA)/benzodiazepine receptor in the avian brain during development. 1994 , 14, 359-71	7
644	Kavapyrone enriched extract from Piper methysticum as modulator of the GABA binding site in different regions of rat brain. 1994 , 116, 469-74	115
643	GABAA receptors on rat cerebellar granule cells are potently activated by muscimol but only slightly modulated by the benzodiazepine agonist flunitrazepam. 1994 , 6, 155-63	9
642	Evidence for a multigenic system controlling methyl-beta-carboline-3-carboxylate (beta-CCM)-induced seizures. 1994 , 24, 285-97	12
641	Distributions of GABAA, GABAB, and benzodiazepine receptors in the forebrain and midbrain of pigeons. 1994 , 344, 161-89	77
640	Immunocytochemical localization of the GABAA receptor in the cerebral cortex of the lizard Psammodromus algirus. 1994 , 344, 610-8	6
639	Heterogeneity of GABAA receptor in goldfish retina. 1994 , 345, 429-39	22
638	GABAA receptor alpha 1 subunit, an early marker for area specification in developing rat cerebral cortex. 1994 , 350, 133-49	51
637	Immunocytochemical localization of the beta 2 subunit of the gamma-aminobutyric acidA receptor in the rat brain. 1994 , 350, 260-71	38
636	Astrocytic GABA receptors. 1994 , 11, 83-93	91
635	Search for mutations in the beta 1 GABAA receptor subunit gene in patients with schizophrenia. 1994 , 54, 12-20	16
634	Genomic scan for genes predisposing to schizophrenia. 1994 , 54, 59-71	157
633	Recent developments in the behavioral pharmacology of benzodiazepine (omega) receptors: evidence for the functional significance of receptor subtypes. 1994 , 18, 355-72	123
632	Progesterone and the neural mechanisms of hamster sexual behavior. 1994 , 19, 563-79	37
631	Zinc inhibition of GABA-stimulated Cl- influx in rat brain regions is unaffected by acute or chronic benzodiazepine. 1994 , 49, 477-82	6
630	Effects of valine, leucine, isoleucine, and a balanced amino acid solution on the seizure threshold to picrotoxin in rats. 1994 , 48, 101-3	10
629	GABAA receptor channels. 1994 , 17, 569-602	1700
628	Subunit- and brain region-specific reduction of GABAA receptor subunit mRNAs during chronic treatment of rats with diazepam. 1994 , 5, 105-20	53

627	Pharmacologic effects and abuse liability of bretazenil, diazepam, and alprazolam in humans. 1994 , 55, 451-63	44
626	Rand Lecture, ASCEPT. GABA receptors: as complex as ABC? Australaisian Society for Clinical and Experimental Pharmacologists and Toxicologists. 1994 , 21, 521-6	19
625	Immunocytochemical evidence for oestrogen receptors within GABA neurones located in the perinuclear zone of the supraoptic nucleus and GABAA receptor beta 2/beta 3 subunits on supraoptic oxytocin neurones. 1994 , 6, 5-11	63
624	Neurosteroids Biosynthesis and function. 1994 , 5, 1-8	249
623	Allosteric modulation of [35S]TBPS-binding in the cerebral cortex of the rat during postnatal development. 1994 , 80, 73-80	7
622	Development pattern of the GABAA-benzodiazepine receptor ionophore complex in primary cultures of cortical neurons. 1994 , 80, 137-40	11
621	Protein kinase C enhances recombinant bovine alpha 1 beta 1 gamma 2L GABAA receptor whole-cell currents expressed in L929 fibroblasts. 1994 , 13, 1421-31	60
620	Changes in glutamate receptor and proenkephalin gene expression after kindled seizures. 1994 , 24, 34-42	41
619	Differential expression of the short and long forms of the gamma 2 subunit of the GABAA/benzodiazepine receptors. 1994 , 24, 129-39	35
618	Differential expression of GABAA receptor subunit mRNAs in ethanol-naive withdrawal seizure resistant (WSR) vs. withdrawal seizure prone (WSP) mouse brain. 1994 , 25, 200-8	26
617	Molecular characterization of type I GABAA receptor complex from rat cerebral cortex and hippocampus. 1994 , 25, 225-33	27
616	The amino acid residues 1-128 in the alpha subunit of the nicotinic acetylcholine receptor contain assembly signals. 1994 , 25, 257-64	21
615	Expression of Caenorhabditis elegans mRNA in n Xenopus oocytes: a model system to study the mechanism of action of avermectins. 1994 , 10, 35-7	25
614	Age-related decrease in GABAB receptor binding in the Fischer 344 rat inferior colliculus. 1994 , 15, 699-703	92
613	Ionic basis of GABAA receptor channel function in the nervous system. 1994 , 42, 489-537	530
612	Multiphasic desensitization of the GABAA receptor in outside-out patches. 1994 , 66, 1039-50	82
611	Reconstitution of purified GABAA receptors: ligand binding and chloride transporting properties. 1994 , 33, 755-63	19
610	Isolation of pharmacologically active benzodiazepine receptor ligands from Tilia tomentosa (Tiliaceae). 1994 , 44, 47-53	97

609	Modulation of inhibitory and excitatory amino acid receptor ion channels by zinc. 1994, 42, 393-441	385
608	Studies on picrotoxin binding sites of GABAA receptors in rat cortical synaptoneurosomes. 1994 , 33, 373-8	8
607	Differential modulation of brain benzodiazepine receptor subtypes by ricinelaidic acid in vitro. 1994 , 47, 742-4	3
606	Progesterone metabolites, effective at the GABAA receptor complex, attenuate pain sensitivity in rats. 1994 , 643, 194-203	181
605	Steroid modulation of GABAA receptors in an amphibian brain. 1994 , 646, 258-66	37
604	Sexual differences in the effect of the GABAergic system on LH secretion and in the hypothalamic ontogenesis of GABAA receptors in prepubertal rats. 1994 , 646, 351-5	28
603	Inhibitory neurotransmission in rat spinal cord: co-localization of glycine- and GABAA-receptors at GABAergic synaptic contacts demonstrated by triple immunofluorescence staining. 1994 , 642, 59-69	134
602	Differential effects of GABAergic ligands in mouse and rat hippocampal neurons. 1994 , 647, 97-105	28
601	Interaction of ethanol and allosteric modulators with GABAA-activated currents in adult medial septum/diagonal band neurons. 1994 , 635, 283-92	35
600	Selective effects of dieldrin on the GABAA receptor-channel subunits expressed in human embryonic kidney cells. 1994 , 645, 19-26	32
599	Organisation of the murine 5-HT3 receptor gene and assignment to human chromosome 11. 1994 , 339, 302-6	31
598	GABAA receptor-mediated inhibition of N-methyl-D-aspartate-evoked [3H]dopamine release from mesencephalic cell cultures. 1994 , 264, 361-9	17
597	Quantitative autoradiography of 4'-ethynyl-4-n-[2,3-3H2]propylbicycloorthobenzoate binding to the GABAA receptor complex. 1994 , 263, 163-73	8
596	Effects of GABA and various allosteric ligands on TBPS binding to cloned rat GABA(A) receptor subtypes. 1994 , 112, 1025-30	20
595	Benzodiazepine-induced intestinal motor disturbances in rats: mediation by omega 2 (BZ2) sites on capsaicin-sensitive afferent neurones. 1994 , 113, 268-74	1
594	Differential pharmacology of GABAA and GABAC receptors on rat retinal bipolar cells. 1994 , 288, 97-104	117
593	5 alpha-reduced progesterone metabolites are essential in hamster VTA for sexual receptivity. 1994 , 54, 653-9	37
592	Zn2+: an endogenous modulator of ligand- and voltage-gated ion channels. 1994 , 33, 935-52	242

591	GABAA receptor subunit polypeptides increase in parallel but exhibit distinct distributions in the developing rat cerebellum. 1994 , 25, 1533-44	21
590	m-sulphonate benzene diazonium chloride: a novel GABAA receptor antagonist. 1994 , 33, 1125-30	4
589	Identification of GABAA receptor subunits expressed in bovine adrenal medulla. 1994 , 168, 243-6	15
588	Identification of the site of mutation within the M2 region of the GABA receptor of the cyclodiene-resistant German cockroach. 1994 , 108, 367-376	20
587	Interaction of central and peripheral benzodiazepine sites in benzodiazepine tolerance and discontinuation. 1994 , 18, 847-57	8
586	The molecular and population genetics of cyclodiene insecticide resistance. 1994 , 24, 335-45	81
585	GABAA receptor beta 1-3 subunit gene expression in the hippocampus of kindled rats. 1994 , 174, 5-8	29
584	Biphasic differential changes of GABAA receptor subunit mRNA levels in dentate gyrus granule cells following recurrent kindling-induced seizures. 1994 , 23, 323-32	68
583	Female sex steroid hormones: from receptors to networks to performanceactions on the sensorimotor system. 1994 , 44, 55-86	154
582	Chronic GABA treatment downregulates the GABAA receptor alpha 2 and alpha 3 subunit mRNAS as well as polypeptide expression in primary cultured cerebral cortical neurons. 1994 , 24, 159-65	42
581	Functional diversity of GABA-activated Cl- currents in Purkinje versus granule neurons in rat cerebellar slices. 1994 , 12, 117-26	128
580	Expression of GABAA receptor alpha 2 sub-unit mRNA by periventricular somatostatin neurones in the rat hypothalamus. 1994 , 173, 9-13	14
579	Regulation of GABAA receptor function by protein kinase C phosphorylation. 1994 , 12, 1081-95	280
578	Four amino acid exchanges convert a diazepam-insensitive, inverse agonist-preferring GABAA receptor into a diazepam-preferring GABAA receptor. 1994 , 37, 4576-80	64
577	Molecular and cellular characterization of the GABAA receptor in the rat pancreas. 1994 , 103, 157-63	28
576	The effect of anticonvulsant drugs on GABA-stimulated chloride uptake. 1994 , 21, 3-8	46
575	The affinity of cyclodepsipeptides to the brain chloride channel domain of the GABAA receptor in vitro. 1994 , 47, 1560-1	5
574	Pharmacological characterization of the novel anxiolytic beta-carboline abecarnil in rodents and primates. 1994 , 64, 179-87	23

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573	effects of Kamikihito, a traditional Chinese medicine, on neurotransmitter receptor binding in the aged rat brain determined by in vitro autoradiography (2): changes in GABAA and benzodiazepine receptor binding. 1994 , 66, 53-8	13
572	Chapter 3 An IAA-Sensitive Vacuolar Chloride Channel. 1994 , 59-72	1
571	Facilitation of GABAergic signaling in the retina by receptors stimulating adenylate cyclase. 1994 , 91, 10893-7	99
570	Switch in the expression of rat GABAA-receptor subtypes during postnatal development: an immunohistochemical study. 1994 , 14, 5302-24	427
569	Age-related decrease of GABAA receptor subunits and glutamic acid decarboxylase in the rat inferior colliculus. 1994 , 14, 7469-77	86
568	Phenotypic consequences of deletion of the gamma 3, alpha 5, or beta 3 subunit of the type A gamma-aminobutyric acid receptor in mice. 1994 , 91, 2815-8	90
567	The GABAA receptors. 1995 , 310 (Pt 1), 1-9	164
566	Agrin: toward a molecular understanding of synapse regeneration. 1995 , 37, 71-7	9
565	Regulation of GABAA receptor function and gene expression in the central nervous system. 1995 , 38, 1-41	67
564	Regional differences in the effects of chronic ethanol administration on [3H]zolpidem binding in rat brain. 1995 , 19, 910-4	14
563	Mechanism of Chlordiazepoxide Enhancement of 4-Aminobutyrate-Receptor Desensitization Investigated with 82Br-Radiotracer. 1995 , 228, 311-315	
562	Mutational analysis of familial and sporadic hyperekplexia. 1995 , 38, 85-91	130
561	Modulatory actions of gamma aminobutyric acid (GABA) on GABA type A receptor subunit expression and function. 1995 , 41, 1-7	46
560	Deciphering the native GABAA receptor: is there hope?. 1995 , 41, 567-71	25
559	Psychopharmacology of benzodiazepines In update. 1995 , 10, S1-S14	4
558	Modulation of the discriminative stimulus properties of ([Inicotine by diazepam and ethanol. 1995 , 34, 47-54	19
557	Expression patterns and deprivation effects on GABAA receptor subunit and GAD mRNAs in monkey lateral geniculate nucleus. 1995 , 352, 235-47	25
556	GABAA receptor subunits have differential distributions in the rat retina: in situ hybridization and immunohistochemistry. 1995 , 353, 553-71	116

555	Laminar patterns of expression of GABA-A receptor subunit mRNAs in monkey sensory motor cortex. 1995 , 362, 565-82	15
554	Screening of the macromolecular component of CSF from various pathologies for its interference with GABAA receptor function. 1995 , 16, 643-6	
553	Immunocytochemistry of a novel GABA receptor subunit Rdl in Drosophila melanogaster. 1995 , 1, 25-31	47
552	Subtype specificity of gamma-aminobutyric acid type A receptor antagonism by clozapine. 1995 , 352, 365-73	38
551	Use of 82Br- radiotracer to study transmembrane halide flux: the effect of a tranquilizing drug, chlordiazepoxide on channel opening of a GABAA receptor. 1995 , 145, 257-66	1
550	Multiple actions of dieldrin and lindane on the GABAA receptor-chloride channel complex of rat dorsal root ganglion neurons. 1995 , 44, 1-7	6
549	Modulation of GABAA receptor binding in human brain by neuroactive steroids: species and brain regional differences. 1995 , 19, 77-87	37
548	Functional diversity of GABAA receptor ligand-gated chloride channels in rat synaptoneurosomes. 1995 , 19, 188-96	8
547	Distribution of GABAA receptor alpha 1 subunit-like immunoreactivity in comparison with that of enkephalin and substance P in the rat forebrain. 1995 , 20, 165-74	7
546	From ion currents to genomic analysis: recent advances in GABAA receptor research. 1995 , 21, 189-274	452
545	Modulation of GABAA receptors by tyrosine phosphorylation. 1995 , 377, 344-8	197
544	Subcellular localization of the GABAA receptor gamma 2 subunit in the rat spinal cord. 1995 , 7, 1323-32	22
543	Prenatal lorazepam exposure: 4. Persistent alterations in pentylenetetrazole-induced seizure threshold and GABA-dependent chloride uptake after prenatal lorazepam exposure. 1995 , 51, 721-4	8
542	Antagonism by intracerebellar Ro15-4513 of acute ethanol-induced motor incoordination in mice. 1995 , 52, 217-23	33
541	gamma-Aminobutyric acid (GABA) metabolism in mammalian neural and nonneural tissues. 1995 , 112, 247-63	139
540	Molecular and functional properties of mitochondrial benzodiazepine receptors. 1995 , 1241, 453-70	74
539	Characterisation of delta-subunit containing GABAA receptors from rat brain. 1995 , 290, 175-81	80
538	Cloning and characterization of the human GABAA receptor alpha 4 subunit: identification of a unique diazepam-insensitive binding site. 1995 , 291, 319-25	56

537	Characterization of novel ligands for wild-type and natural mutant diazepam-insensitive benzodiazepine receptors. 1995 , 289, 335-42	9
536	Thiomuscimol, a new photoaffinity label for the GABAA receptor. 1995 , 289, 109-12	11
535	Neurotransmission and electrophysiological mechanisms in the suprachiasmatic nucleus. 1995 , 7, 43-51	10
534	Biological function of GABAA/benzodiazepine receptor heterogeneity. 1995 , 29, 77-94	109
533	Ontogeny of neurotransmitter systems: Substrates for developmental disabilities?. 1995 , 1, 151-168	16
532	The central and basolateral amygdala differentially mediate the anxiolytic effects of benzodiazepines. 1995 , 671, 213-21	133
531	Noradrenergic enhancement of GABA-induced input resistance changes in layer V regular spiking pyramidal neurons of rat somatosensory cortex. 1995 , 675, 171-82	35
530	Potentiation by neurosteroids of muscimol/adenosine interactions in rat hippocampus. 1995 , 677, 311-8	5
529	2,3-Butanedione monoxime protects mice against the convulsant effect of picrotoxin by facilitating GABA-activated currents. 1995 , 678, 110-6	4
528	Differential effects of hexachlorocyclohexane isomers on the GABA receptor-chloride channel complex in rat dorsal root ganglion neurons. 1995 , 704, 85-91	29
527	Heterogeneous current responses to GABA and glycine are present in post-natally cultured hippocampal neurons. 1995 , 704, 246-55	7
526	Characterization of a benzodiazepine receptor site with exceptionally high affinity for Ro 15-4513 in the rat CNS. 1995 , 704, 289-97	23
525	DBI mRNA is expressed in endocrine pancreas and its post-translational product DBI(33-50) inhibits insulin release. 1995 , 3, 267-71	6
524	GABAA/benzodiazepine receptors in acutely isolated hippocampal astrocytes. 1995 , 15, 2720-32	119
523	Neurosteroids and neuroactive steroids. 1995 , 281-296	2
522	Postnatal development of GABAA receptor function in somatosensory thalamus and cortex: whole-cell voltage-clamp recordings in acutely isolated rat neurons. 1995 , 15, 1341-51	47
521	NMDA-mediated modulation of gamma-aminobutyric acid type A receptor function in cerebellar granule neurons. 1995 , 15, 7692-701	39
520	Differential modulation by sulfhydryl redox agents and glutathione of GABA- and glycine-evoked currents in rat retinal ganglion cells. 1995 , 15, 1384-91	7 2

519	The pharmacology of the benzodiazepine site of the GABA-A receptor is dependent on the type of gamma-subunit present. 1995 , 15, 173-83	39
518	Pentobarbital-induced changes in Drosophila glutathione S-transferase D21 mRNA stability. 1995 , 270, 13819-25	57
517	Glucose modulates gamma-aminobutyric acid release from the pancreatic beta TC6 cell line. 1995 , 270, 30286-9	43
516	Assessment of the interaction between a partial agonist and a full agonist of benzodiazepine receptors, based on psychomotor performance and memory, in healthy volunteers. 1995 , 9, 91-101	12
515	Section Review Central & Peripheral Nervous Systems: Prospects for the development of new volatile anaesthetics. 1995 , 4, 971-983	2
514	Expression of GABAA receptor subunit mRNAs in hippocampal pyramidal and granular neurons in the kindling model of epileptogenesis: an in situ hybridization study. 1995 , 31, 33-47	83
513	Chronic exposure to stress levels of corticosterone alters GABAA receptor subunit mRNA levels in rat hippocampus. 1995 , 34, 29-37	90
512	The enhancement of muscimol-stimulated 36C1 influx by the antispastic 5-aryl-3-(alkylsulfonyl)-4H-1,2,4-triazole (MDL 27,531) in rat brain membrane vesicles. 1995 , 201, 183-7	2
511	DNA sequence and site of mutation of the GABA receptor of cyclodiene-resistant red flour beetle, Tribolium castaneum. 1995 , 111, 399-406	35
510	Serum hormonal concentrations following transcendental meditationpotential role of gamma aminobutyric acid. 1995 , 44, 287-91	17
509	Ontogeny and topography of seizure regulation by the substantia nigra. 1995 , 17, 61-72	48
508	The gamma-aminobutyric acid receptor gamma 3 subunit gene (GABRG3) is tightly linked to the alpha 5 subunit gene (GABRA5) on human chromosome 15q11-q13 and is transcribed in the same orientation. 1995 , 26, 258-64	60
507	GABAA/benzodiazepine receptor heterogeneity: neurophysiological implications. 1995 , 34, 245-54	232
506	Psychiatric Implications of Alcoholism and Traumatic Brain Injury. 1995 , 4, 285-296	6
505	Interaction of abecarnil, bretazenil, and RO 19-8022 with diazepam-sensitive and -insensitive benzodiazepine sites in the rat cerebellum and cerebral cortex. 1995 , 57, 2215-22	10
504	Benzodiazepines and peptides stimulate pregnenolone synthesis in brain mitochondria. 1995 , 276, 145-53	34
503	Local anesthetics reduce the inhibitory neurotransmitter-induced current in dissociated hippocampal neurons of the rat. 1995 , 283, 83-9	26
502	Interaction of picrotoxin with GABAA receptor channel-lining residues probed in cysteine mutants. 1995 , 69, 1858-67	129

501	Antibodies to the rat beta 3 subunit of the gamma-aminobutyric acid A receptors. 1995 , 28, 94-100	11
500	GABAA, GABAC, and NMDA receptor subunit expression in the suprachiasmatic nucleus and other brain regions. 1995 , 28, 239-50	86
499	Pharmacological properties of fetal rat hippocampal GABAA receptors. 1995 , 85, 280-2	10
498	The mechanism of action of zopiclone. 1995 , 10 Suppl 3, 117s-28s	21
497	Synergistic inhibition by benzodiazepine and barbiturate drugs of the clock control of ovulation in hamsters. 1995 , 12, 1-7	5
496	Physiology of Bergmann glial cells. 1995 , 38, 341-59	51
495	Interaction between [3H]flunitrazepam and [3H]GABA binding in the cerebellum of reeler mice. 1995 , 26, 41-6	1
494	Sodium channels and GABAA receptor-channel complex as targets of environmental toxicants. 1995 , 82-83, 239-45	25
493	Potentiation, activation and blockade of GABAA receptors of clonal murine hypothalamic GT1-7 neurones by propofol. 1995 , 115, 953-60	75
492	Characterization of U-97775 as a GABAA receptor ligand of dual functionality in cloned rat GABAA receptor subtypes. 1995 , 115, 19-24	6
491	Functional domains of GABAA receptors. 1995 , 16, 162-8	419
490	Neurosteroids: molecular mechanisms of action and psychopharmacological significance. 1996 , 56, 163-8	83
489	Molecular mechanisms of benzodiazepine-induced down-regulation of GABAA receptor alpha 1 subunit protein in rat cerebellar granule cells. 1996 , 118, 1103-10	44
488	PK 11195 blockade of benzodiazepine-induced inhibition of forskolin-stimulated adenylate cyclase activity in the striatum. 1996 , 119, 223-8	13
487	The effect of GABA stimulation on GABAA receptor subunit protein and mRNA expression in rat cultured cerebellar granule cells. 1996 , 119, 1393-400	9
486	Developmental expression of functional GABAA receptors containing the gamma 2 subunit in neurons derived from embryonal carcinoma (P19) cells. 1996 , 35, 11-8	24
485	Altered expression of gamma 2L and gamma 2S GABAA receptor subunits in the aging rat brain. 1996 , 35, 91-102	27
484	Localization of GABAA alpha 1 mRNA subunit in the brainstem nuclei controlling esophageal peristalsis. 1996 , 40, 143-7	21

483	Diazepam-insensitive GABAA receptors in rat cerebellum and thalamus. 1996 , 310, 225-33	19
482	Multiple forms and locations for the peripheral-type benzodiazepine receptor. 1996 , 52, 1805-14	76
481	Inhibition of GABAA receptor chloride channel by quinolones and norfloxacin-biphenylacetic acid hybrid compounds. 1996 , 35, 1263-9	13
480	Picrotoxin produces a "central" pain-like syndrome when microinjected into the somato-motor cortex of the rat. 1996 , 60, 1425-34	9
479	Alcohol, alcoholic brain damage, and GABAA receptor isoform gene expression. 1996 , 29, 677-84	21
478	Chronic triazolam and its withdrawal alters GABAA receptor subunit mRNA levels: an in situ hybridization study. 1996 , 43, 132-40	10
477	3,3-Dialkyl- and 3-alkyl-3-benzyl-substituted 2-pyrrolidinones: a new class of anticonvulsant agents. 1996 , 39, 1898-906	78
476	Decrease in benzodiazepine receptor binding in a patient with Angelman syndrome detected by iodine-123 iomazenil and single-photon emission tomography. 1996 , 23, 598-604	24
475	ELG C1 GABAA. 1996 , 293-365	1
474	Effects of benzodiazepine receptor ligands on isolated rat superior cervical ganglia neurons. 1996 , 52, 371-6	2
473	Allosteric modulation of GABAA receptors in acutely dissociated neurons of the suprachiasmatic nucleus. 1996 , 270, C1726-34	24
472	GabaA Receptors: Pharmacology, Behavioral Roles, and Motor Disorders. 1996 , 2, 15-23	13
471	Propofol Produces Differences in Behavior but Not Chloride Channel Function Between Selected Lines of Mice. 1996 , 82, 327-331	1
470	Regulation of GABAA receptor structure and function by chronic drug treatments in vivo and with stably transfected cells. 1996 , 70, 1-15	30
469	Brain regional pharmacology of GABA(A) receptors in alcohol-preferring AA and alcohol-avoiding ANA rats. 1996 , 1, 263-72	10
468	Inhibitory glutamate receptor channels. 1996 , 13, 97-136	120
467	Brain GABAA receptors studied with subunit-specific antibodies. 1996 , 12, 55-71	44
466	Behavioral changes induced by GABA-receptor agonists in Lymnaea stagnalis L. 1996 , 27, 1067-71	12

465	Characterization of the GABA response on identified dialysed Lymnaea neurons. 1996 , 27, 731-9	14
464	Pharmacologic actions of subtype-selective and novel GABAergic ligands in rat lines with differential sensitivity to ethanol. 1996 , 53, 723-30	26
463	Effects of N omega-nitro-L-arginine methyl ester on benzodiazepine binding in some limbic areas of hyperlipidaemic rats. 1996 , 54, 431-7	2
462	Structural and pharmacological aspects of the GABAA receptor: involvement in behavioral pathogenesis. 1996 , 90, 1-13	6
461	GABAC receptors in the vertebrate retina. 1996 , 12, 181-94	95
460	Characterization of U-101017 as a GABA(A) receptor ligand of dual functionality. 1996 , 714, 165-8	12
459	Medial amygdaloid suppression of predatory attack behavior in the cat: II. Role of a GABAergic pathway from the medial to the lateral hypothalamus. 1996 , 716, 72-83	27
458	GABAA alpha 2 mRNA levels are decreased following induction of spontaneous epileptiform discharges in hippocampal-entorhinal cortical slices. 1996 , 721, 111-9	16
457	Age-related modifications on the GABAA receptor binding properties from Wistar rat prefrontal cortex. 1996 , 738, 103-8	16
456	Is there VDAC in cell compartments other than the mitochondria?. 1996 , 28, 93-100	45
455	Effects of chlorotrifluoroethylene oligomer fatty acids on recombinant GABA receptors expressed in Xenopus oocytes. 1996 , 149, 33-40	6
454	Inhibition of GABAA ligand-gated Cl- channels by zinc in adult rat brain: a regional study. 1996 , 21, 955-61	3
453	Distribution of two GABA receptor-like subunits in the Drosophila CNS. 1996 , 2, 115-20	39
452	GABAA receptor subunit expression and assembly in cultured rat cerebellar granule neurons. 1996 , 97, 216-25	6
451	Met-enkephalin and morphiceptin modulate a GABA-induced inward current in the CNS of Lymnaea stagnalis L. 1996 , 27, 1337-45	7
450	Genotype-to-phenotype analysis: search for clinical characteristics of a missense change in the GABAA-beta 1 receptor gene. 1996 , 67, 81-4	4
449	Subpopulations of GABA neurons in the dentate gyrus express high levels of the alpha 1 subunit of the GABAA receptor. 1996 , 6, 225-38	23
448	The estrous cycle and the olivo-cerebellar circuit. I. Contrast enhancement of sensorimotor-correlated cerebellar discharge. 1996 , 111, 371-84	18

447	The estrous cycle and the olivo-cerebellar circuit. II. Enhanced selective sensory gating of responses from the rostral dorsal accessory olive. 1996 , 111, 385-92	11
446	A mouse mutant strain highly resistant to methyl beta-carboline-3-carboxylate-induced seizures. 1996 , 110, 28-35	5
445	Flumazenil. 1996 , 2, 390-414	10
444	Selective expression and rapid regulation of GABAA receptor subunits in geniculocortical neurons of macaque dorsal lateral geniculate nucleus. 1996 , 13, 223-35	19
443	Molecular biology and electrophysiology of glutamate-gated chloride channels of invertebrates. 1996 , 113 Suppl, S191-200	73
442	Assembly and cell surface expression of heteromeric and homomeric gamma-aminobutyric acid type A receptors. 1996 , 271, 89-96	271
441	Modulation of amino acid-gated ion channels by protein phosphorylation. 1996 , 39, 1-52	110
440	Molecular and pharmacological characterization of native cortical gamma-aminobutyric acidA receptors containing both alpha1 and alpha3 subunits. 1996 , 271, 27902-11	50
439	Propofol produces differences in behavior but not chloride channel function between selected lines of mice. 1996 , 82, 327-31	11
438	Area and lamina-specific expression of GABAA receptor subunit mRNAs in monkey cerebral cortex. 1997 , 75, 452-469	6
437	SleepWake Disorders. 1997,	
436	The N-terminal domain of human GABA receptor rho1 subunits contains signals for homooligomeric and heterooligomeric interaction. 1997 , 272, 13750-7	33
435	Chapter 5 GABAA receptors in the central nervous system. 1997 , 95-109	
434	Elevated plasma gamma-aminobutyric acid (GABA) levels in individuals with either Prader-Willi syndrome or Angelman syndrome. 1997 , 9, 75-80	51
433	Differential expression of the GABAA receptor alpha 1 subunit in developing chicken brain. 1997 , 8, 2399-404	2
432	The use of expressed sequence tag databases to identify novel human gamma-aminobutyric acid type receptor genes. 1997 , 25, 817-9	1
431	Chapter 13 Ligand-gated ion channels in vertebrates. 1997 , 307-340	
430	Activation and deactivation rates of recombinant GABA(A) receptor channels are dependent on alpha-subunit isoform. 1997 , 73, 2518-26	176

429	Adenovirus vector-mediated gene transfer into human epileptogenic brain slices: prospects for gene therapy in epilepsy. 1997 , 148, 167-78	20
428	Structure and organization of GABRB3 and GABRA5. 1997 , 41, 63-9	52
427	A gene in human chromosome band Xq28 (GABRE) defines a putative new subunit class of the GABAA neurotransmitter receptor. 1997 , 45, 1-10	52
426	GABAA and GABAB receptor agonists, partial agonists, antagonists and modulators: design and therapeutic prospects. 1997 , 5, 355-384	41
425	Alpha subunit isoform influences GABA(A) receptor modulation by propofol. 1997, 36, 941-9	43
424	Mechanisms underlying the antidopaminergic effect of clonazepam and melatonin in striatum. 1997 , 36, 1659-63	30
423	The role of phosphorylation in the activity and mercury modulation of GABA-induced currents in rat neurons. 1997 , 36, 1631-40	11
422	Benzodiazepine receptors in the post-mortem brain of suicide victims and schizophrenic subjects. 1997 , 71, 137-49	46
421	GABAA receptors mediate trophic effects of GABA on embryonic brainstem monoamine neurons in vitro. 1997 , 17, 2420-8	71
420	Intraventricular administration of GABAA receptor agonist muscimol attenuates the exo-focal change of the substantia nigra neurons following transient middle cerebral artery occlusion in rats. 1997 , 17, 101-105	1
419	Ethanol Modulation of Gaba-Activated Current Responses in Acutely Dissociated Retinal Bipolar Cells and Ganglion Cells. 1997 , 21, 647-655	16
418	Furosemide interactions with brain GABAA receptors. 1997 , 120, 741-8	64
417	Peripheral-type benzodiazepine receptors. 1997 , 29, 305-14	55
416	The neuropsychopharmacological potential of neuroactive steroids. 1997 , 31, 297-314	140
415	Granule cell disinhibition in dentate gyrus of genetically seizure susceptible El mice. 1997 , 745, 165-72	14
414	Gonadotropin releasing hormone modulates gamma-aminobutyric acid-evoked intracellular calcium increase in immortalized hypothalamic gonadotropin releasing hormone neurons. 1997 , 747, 70-7	14
413	The maturation of GABA(A) receptor-mediated control of luteinizing hormone secretion in immature male rats. 1997 , 748, 258-62	31
412	Blockade of behavioral effects of bretazenil by flumazenil and ZK 93,426 in pigeons. 1997 , 56, 1-7	5

411	Dorsal raphe and substantia nigra response to flumazenil in diazepam-dependent rats. 1997, 58, 221-9	5
410	The novel anxiolytic U-101017: in vitro and ex vivo binding profile and effect on cerebellar cGMP. 1997 , 58, 609-13	3
409	Differences in expression of GABAA receptor subunits, but not benzodiazepine binding, in the chick brainstem auditory system. 1997 , 8, 193-205	3
408	Differential effects mediated by GABAA receptors in thalamic nuclei in lh/lh model of absence seizures. 1997 , 27, 55-65	44
407	Furanocoumarins with affinity to brain benzodiazepine receptors in vitro. 1997, 44, 1121-4	91
406	Neurotransmitters and their receptors in the islets of Langerhans of the pancreas: what messages do acetylcholine, glutamate, and GABA transmit?. 1998 , 8, 213-23	101
405	Symposium overview: chemical modulation of neuroreceptors and channels via intracellular components. 1998 , 45, 9-25	
404	Cell Death Mediated by Amino Acid Transmitter Receptors in Human Alcoholic Brain Damage: Conflicts in the Evidence. 1998 , 844, 50-58	23
403	A protein tyrosine kinase modulates GABAA receptor in frog pituitary melanotrope cells. 1998 , 839, 74-9	1
402	Developmental changes of GABA(A) receptor-chloride channels in rat Meynert neurons. 1998 , 779, 9-16	9
401	Characterization of chloride efflux from GT1-7 neurons: lack of effect of ethanol on GABAA response. 1998 , 780, 183-9	7
400	GABA receptor mediated suppression of defensive rage behavior elicited from the medial hypothalamus of the cat: role of the lateral hypothalamus. 1998 , 783, 293-304	42
399	Phosphorylation of the GABAA receptor gamma2L subunit in rat sensory neurons may not be necessary for ethanol sensitivity. 1998 , 805, 116-22	20
398	Fetal ethanol effects on benzodiazepine sensitivity measured by behavior on the elevated plus-maze. 1998 , 60, 625-33	24
397	Diazepam-treated female rats: flumazenil- and PK 11195-induced withdrawal in the hippocampus CA1. 1998 , 61, 121-30	4
396	Granule cells of the internal granule layer have increased expression of GABA(A) receptor beta 2/beta 3 subunits. 1998 , 51, 697-711	2
395	Autism and maternally derived aberrations of chromosome 15q. 1998 , 76, 327-36	279
394	Gamma-aminobutyric acidA receptors on a bistratified amacrine cell type in the rabbit retina. 1998 , 393, 309-19	17

393	GABA(B) receptor gene expression in monkey thalamus. 1998 , 394, 118-26	35
392	GABA(A) receptors in the primate basal ganglia: an autoradiographic and a light and electron microscopic immunohistochemical study of the alpha1 and beta2,3 subunits in the baboon brain. 1998 , 397, 297-325	39
391	GABA, GAD, and GABA(A) receptor alpha4, beta1, and gamma1 subunits are expressed in the late embryonic and early postnatal neocortical germinal matrix and coincide with gliogenesis. 1998 , 40, 398-407	19
390	Transcriptional analysis of the Drosophila GABA receptor gene resistance to dieldrin. 1998, 36, 468-84	6
389	Characterization and comparative pharmacological studies of a functional gamma-aminobutyric acid (GABA) receptor cloned from the tobacco budworm, Heliothis virescens (Noctuidae:Lepidoptera). 1998 , 3, 305-15	36
388	The diversity of GABAA receptors. Pharmacological and electrophysiological properties of GABAA channel subtypes. 1998 , 18, 35-86	408
387	Identification of inosine as an endogenous modulator for the benzodiazepine binding site of the GABAA receptors. 1998 , 5, 274-80	4
386	Chronic ethanol consumption: from neuroadaptation to neurodegeneration. 1998, 56, 385-431	424
385	Caloric restriction retards the aging associated changes in gamma-aminobutyric acidA receptor gene expression in rat cerebellum. 1998 , 54, 270-5	7
384	GABA receptor subunit mRNA expression in brain of conflict, yoked control and control rats. 1998 , 58, 16-26	16
383	GABAergic deafferentation hypothesis of brain aging and Alzheimer's disease revisited. 1998 , 45, 341-79	110
382	GABA modulates cytotoxicity of immunocompetent cells expressing GABAA receptor subunits. 1998 , 52, 214-9	33
381	Predictive models for GABAA/benzodiazepine receptor subtypes: studies of quantitative structure-activity relationships for imidazobenzodiazepines at five recombinant GABAA/benzodiazepine receptor subtypes [alphaxbeta3gamma2 (x = 1-3, 5, and 6)] via comparative	34
380	Synthesis and evaluation of analogues of the partial agonist 6-(propyloxy)-4-(methoxymethyl)-beta-carboline-3-carboxylic acid ethyl ester (6-PBC) and the full agonist 6-(benzyloxy)-4-(methoxymethyl)-beta-carboline-3-carboxylic acid ethyl ester (Zk 93423) at	62
379	A diversity of GABA receptors in the retina. 1998 , 9, 293-9	51
378	Absence of association between delta and gamma2 subunits in native GABA(A) receptors from rat brain. 1998 , 347, 347-53	41
377	Ion channel modulation as the basis for general anesthesia. 1998 , 100-101, 185-91	19
376	Antisense Research and Application. 1998,	32

375	Identification of Inosine as an Endogenous Modulator for the Benzodiazepine Binding Site of the GABAA Receptors. 1998 , 5, 274-280	2
374	Nongenomic effects of neurosteroids. 1998 , 12, 61-7	26
373	Symposium Overview: Chemical Modulation of Neuroreceptors and Channels via Intracellular Components. 1998 , 45, 9-25	8
372	The thalamus of primates. 1998 , 14, 1-298	26
371	Cloning and characterization of mouse GABA(C) receptor subunits. 1998 , 9, 229-32	30
370	The Caenorhabditis elegans unc-49 locus encodes multiple subunits of a heteromultimeric GABA receptor. 1999 , 19, 5348-59	169
369	Neuroactive Neurosteroids as Endogenous Effectors for the Sigma1 (1) Receptor: Pharmacological Evidence and Therapeutic Opportunities. 1999 , 81, 125-154	18
368	In situ hybridization histochemistry as a method to assess GABA(A) receptor subunit mRNA expression following chronic alprazolam administration. 1999 , 13, 211-8	7
367	Neuroactive steroids: their mechanism of action and their function in the stress response. 1999 , 167, 181-8	65
366	Acute cellular alterations in the hippocampus after status epilepticus. 1999 , 40 Suppl 1, S9-20; discussion S21-2	46
365	Synaptic corelease of ATP and GABA in cultured spinal neurons. 1999 , 2, 241-5	302
364	Biphasic modulation of GABA(A) receptor binding by steroids suggests functional correlates. 1999 , 24, 1363-72	18
363	Differences in propensity for drinking alcohol are reflected in subunit- and region-specific GABA(A) receptor levels. 1999 , 4, 309-16	4
362	New perspectives in the functional role of GABA(A) channel heterogeneity. 1999 , 19, 97-110	33
361	GABA(A) receptors mediate inhibition of T cell responses. 1999 , 96, 21-8	131
360	Waglerin-1 inhibits GABA(A) current of neurons in the nucleus accumbens of neonatal rats. 1999 , 837, 29-37	10
359	Activation of protein kinase C by phorbol dibutyrate modulates GABAA receptor binding in rat brain slices. 1999 , 850, 158-65	18
358	Influence of LY 300164, an antagonist of AMPA/kainate receptors, on the anticonvulsant activity of clonazepam. 1999 , 380, 67-72	16

357	Activation of rat locus coeruleus neuron GABA(A) receptors by propofol and its potentiation by pentobarbital or alphaxalone. 1999 , 386, 201-10	32
356	Cyclic withdrawal from endogenous and exogenous progesterone increases kainic acid and perforant pathway induced seizures. 1999 , 62, 315-21	61
355	Strategies for understanding the pharmacological effects of ethanol with drug discrimination procedures. 1999 , 64, 261-7	92
354	Substantia nigra: the involvement of central and peripheral benzodiazepine receptors in physical dependence on diazepam as evidenced by behavioral and EEG effects. 1999 , 64, 611-23	1
353	Precipitated withdrawal in the substantia nigra in diazepam-dependent female rats. 1999 , 64, 857-68	2
352	Regional distribution and cellular localization of gamma-aminobutyric acid subtype 1 receptor mRNA in the rat brain. 1999 , 407, 166-82	40
351	Regional and cellular localisation of GABA(A) receptor subunits in the human basal ganglia: An autoradiographic and immunohistochemical study. 1999 , 415, 313-40	76
350	An update on GABAA receptors. 1999 , 29, 196-217	546
349	Bicuculline-resistant, Cl- dependent GABA response in the rat spinal dorsal horn. 1999 , 33, 261-8	12
348	An in situ hybridization study of the distribution of the GABA(B2) protein mRNA in the rat CNS. 1999 , 71, 185-200	77
347	Neuropsychopharmacological properties of neuroactive steroids. 1999 , 64, 83-91	86
346	Allosteric activation mechanism of the alpha 1 beta 2 gamma 2 gamma-aminobutyric acid type A receptor revealed by mutation of the conserved M2 leucine. 1999 , 77, 2542-51	120
345	Delineation of a membrane-proximal beta-rich domain in the GABAA receptor by progressive deletions. 1999 , 285, 55-61	10
344	Picrotoxin Blockade of Invertebrate Glutamate-Gated Chloride Channels: Subunit Dependence and Evidence for Binding Within the Pore. 1999 , 72, 318-326	80
343	New directions in anxiolytic drug research. 1999 , 36, 169-200	10
342	Chapter 5. Pharmacological Interventions in the Sleep Process. 1999 , 34, 41-50	2
341	GABAA Receptors: Diversity and its Implications for CNS Disease. 1999 , 5, 351-361	6
340	Neuroactive neurosteroids as endogenous effectors for the sigma1 (sigma1) receptor: pharmacological evidence and therapeutic opportunities. 1999 , 81, 125-55	160

339	Chapter 23 Antidepressant and anxiolytic drugs. 2000 , 511-567	2
338	Effects of cocaine administration on receptor binding and subunits mRNA of GABA(A)-benzodiazepine receptor complexes. 2000 , 38, 198-215	30
337	Development and assessment of a 3D pharmacophore for ligand recognition of BDZR/GABAA receptors initiating the anxiolytic response. 2000 , 8, 2527-38	18
336	Identification of a naturally occurring Pro385-Ser385 substitution in the GABA(A) receptor alpha6 subunit gene in alcoholics and healthy volunteers. 2000 , 5, 316-9	17
335	Association analysis of the GABA(A) receptor subunit genes cluster on 5q33-34 and alcohol dependence in a Japanese population. 2000 , 5, 301-7	49
334	Activation and block of recombinant GABA(A) receptors by pentobarbitone: a single-channel study. 2000 , 130, 249-58	46
333	Expression and distribution of GABAA receptor subtypes in human alcoholic cerebral cortex. 2000 , 914, 58-64	8
332	Unraveling the identity of benzodiazepine binding sites in rat hipppocampus and olfactory bulb. 2000 , 400, 167-76	8
331	Determinants of recognition of ligands binding to benzodiazepine receptor/GABA(A) receptors initiating sedation. 2000 , 401, 271-87	9
330	The peripheral benzodiazepine receptors: a review. 2000 , 46, 45-56	75
330 329	The peripheral benzodiazepine receptors: a review. 2000, 46, 45-56 The AMPA/kainate receptor antagonist, LY 300164, increases the anticonvulsant effects of diazepam. 2000, 361, 629-35	75 16
	The AMPA/kainate receptor antagonist, LY 300164, increases the anticonvulsant effects of	
329	The AMPA/kainate receptor antagonist, LY 300164, increases the anticonvulsant effects of diazepam. 2000 , 361, 629-35 Characterization of the discriminative stimulus effects of GABA(A) receptor ligands in Macaca	16
329	The AMPA/kainate receptor antagonist, LY 300164, increases the anticonvulsant effects of diazepam. 2000 , 361, 629-35 Characterization of the discriminative stimulus effects of GABA(A) receptor ligands in Macaca fascicularis monkeys under different ethanol training conditions. 2000 , 152, 181-8 Effects of subacutely administered saiboku-to, an oriental herbal medicine, on pharmacodynamics	16 37
329 328 327	The AMPA/kainate receptor antagonist, LY 300164, increases the anticonvulsant effects of diazepam. 2000, 361, 629-35 Characterization of the discriminative stimulus effects of GABA(A) receptor ligands in Macaca fascicularis monkeys under different ethanol training conditions. 2000, 152, 181-8 Effects of subacutely administered saiboku-to, an oriental herbal medicine, on pharmacodynamics and pharmacokinetics of diazepam in rodents. 2000, 25, 127-36	16 37 7
329 328 327 326	The AMPA/kainate receptor antagonist, LY 300164, increases the anticonvulsant effects of diazepam. 2000, 361, 629-35 Characterization of the discriminative stimulus effects of GABA(A) receptor ligands in Macaca fascicularis monkeys under different ethanol training conditions. 2000, 152, 181-8 Effects of subacutely administered saiboku-to, an oriental herbal medicine, on pharmacodynamics and pharmacokinetics of diazepam in rodents. 2000, 25, 127-36 Long-lasting effects of GABA infusion into the cerebral cortex of the rat. 2000, 7, 1-8	16 37 7
329 328 327 326 325	The AMPA/kainate receptor antagonist, LY 300164, increases the anticonvulsant effects of diazepam. 2000, 361, 629-35 Characterization of the discriminative stimulus effects of GABA(A) receptor ligands in Macaca fascicularis monkeys under different ethanol training conditions. 2000, 152, 181-8 Effects of subacutely administered saiboku-to, an oriental herbal medicine, on pharmacodynamics and pharmacokinetics of diazepam in rodents. 2000, 25, 127-36 Long-lasting effects of GABA infusion into the cerebral cortex of the rat. 2000, 7, 1-8 Identification of gamma-aminobutyric acid receptor subunit types in human and rat liver. 2000, 279, G733-9	16 37 7 7 27

(2001-2000)

321	Increased availability of central benzodiazepine receptors in patients with chronic hepatic encephalopathy and alcohol related cirrhosis. 2000 , 46, 546-52	39
320	Neurotransmitter-mediated control of neuronal firing in the red nucleus of the rat: reciprocal modulation between noradrenaline and GABA. 2000 , 163, 253-63	11
319	Diazepam induces FGF-2 mRNA in the hippocampus and striatum. 2000 , 53, 283-9	21
318	Influence of benzodiazepines on body weight and food intake in obese and lean Zucker rats. 2000 , 24, 561-77	7
317	Role of the GABA(A)beta2, GABA(A)alpha6, GABA(A)alpha1 and GABA(A)gamma2 receptor subunit genes cluster in drug responses and the development of alcohol dependence. 2000 , 37, 413-23	53
316	Endogenous phosphorylation of the GABA(A) receptor protein is counteracted by a membrane-associated phosphatase. 2000 , 36, 499-506	12
315	Deduction of amino acid residues in the GABA(A) receptor alpha subunits photoaffinity labeled with the benzodiazepine flunitrazepam. 2000 , 39, 55-64	32
314	Expression of the peripheral-type benzodiazepine receptor and apoptosis induction in hepatic stellate cells. 2001 , 120, 1212-26	87
313	The development of inhibitory synaptic specializations in the mouse deep cerebellar nuclei. 2001 , 105, 431-41	29
312	The role of neurosteroids and non-genomic effects of progestins and androgens in mediating sexual receptivity of rodents. 2001 , 37, 201-22	175
311	Developmental changes in the expression of GABA(A) receptor subunits (alpha(1), alpha(2), alpha(3)) in the cat visual cortex and the effects of dark rearing. 2001 , 88, 135-43	48
310	Ribozyme-mediated reduction of the GABA(A) receptor alpha1 subunit. 2001 , 92, 149-56	1
309	[3H]Flunitrazepam binding to recombinant alpha1beta2gamma2S GABAA receptors stably expressed in HEK 293 cells. 2001 , 55, 221-8	6
308	Modulation of GABA(A) receptors by benzodiazepines and barbiturates is autonomous of PKC activation. 2001 , 40, 327-33	23
307	Blocking ICOS in combination with CD28 impairs the proper activation of aggressor Th1 cells but is not necessary for suppression by regulatory T cells. 2001 , 120, A47-A47	
306	Pressure-sensitive and -insensitive coupling in gamma-aminobutyric acid(A) receptors. 2001 , 157, 401-10	3
305	Brain glycine levels in triazolam-treated albino rats. 2001 , 108, 527-39	1
304	Role of glutamatergic and GABAergic systems in alcoholism. 2001 , 8, 7-19	94

303	Pharmacodynamic profile of Zaleplon, a new non-benzodiazepine hypnotic agent. 2001 , 16, 369-392	32
302	Postnatal maturation of human GABAA receptors measured with positron emission tomography. 2001 , 49, 618-626	75
301	Density and distribution of hippocampal neurotransmitter receptors in autism: an autoradiographic study. 2001 , 31, 537-43	250
300	GLC-3: a novel fipronil and BIDN-sensitive, but picrotoxinin-insensitive, L-glutamate-gated chloride channel subunit from Caenorhabditis elegans. 2001 , 132, 1247-54	78
299	Positive allosteric modulation by ultraviolet irradiation on GABA(A), but not GABA(C), receptors expressed in Xenopus oocytes. 2001 , 536, 471-8	22
298	Molecular modeling of ligand-gated ion channels: progress and challenges. 2001 , 48, 141-66	23
297	Antinociceptive properties of neurosteroids III: experiments with alphadolone given intravenously, intraperitoneally, and intragastrically. 2001 , 86, 704-8	34
296	Patterns of GABA(B)R1a,b receptor gene expression in monkey and human visual cortex. 2001 , 11, 104-13	15
295	Neurobiological mechanisms of the onset of puberty in primates. 2001 , 22, 111-51	367
294	Gamma-aminobutyric acidA and benzodiazepine receptor alterations in the rat brain after unilateral 6-hydroxydopamine lesions of the medial forebrain bundle. 2002 , 24, 107-12	4
293	Neuroactive steroid mechanisms and GABA type A receptor subunit assembly in hypothalamic and extrahypothalamic regions. 2002 , 214, 63-101	4
292	GABA(A) receptors as molecular sites of ethanol action. Direct or indirect actions?. 2002 , 2, 869-85	90
291	Rezeptordarstellung mit der Positronen-Emissions-Tomographie - Anwendung in Klinik und Forschung 2002 , 29, 1-11	
290	5-ethoxymethyl-7-fluoro-3-oxo-1,2,3,5-tetrahydrobenzo[4,5]imidazo[1,2a]pyridine-4-N-(2-fluorophenyl)carbo (RWJ-51204), a new nonbenzodiazepine anxiolytic. 2002 , 303, 777-90	xamide ²²
289	GABA and GABA receptors in the central nervous system and other organs. 2002, 213, 1-47	365
288	The "peripheral-type" benzodiazepine (omega 3) receptor in hyperammonemic disorders. 2002 , 41, 109-14	47
287	Immunocytochemical localization of glutamic acid decarboxylase in physiologically identified interneurons of hamster spinal laminae III-V. 2002 , 115, 627-36	13
286	Immunomodulating effects of tofizopam (Grandaxin) and diazepam in vitro. 2002 , 11, 53-9	8

285	Prenatal diazepam exposure functionally alters the GABA(A) receptor that modulates [3H]noradrenaline release from rat hippocampal synaptosomes. 2002 , 24, 71-8	14
284	Role of gamma-aminobutyric acid neurons in the release of gonadotropin-releasing hormone in cultured rat embryonic olfactory placodes. 2002 , 76, 193-202	9
283	Neuroendocrine Regulation of Puberty. 2002 , 589-659	39
282	Potentiation by saiboku-to of diazepam-induced decreases in hippocampal and striatal acetylcholine release in rats. 2002 , 9, 700-8	8
281	Ganglioside a/b ratio in different rat brain regions following chronic diazepam treatment. 2002, 23, 69-74	17
280	Short and long form gamma 2 subunits of the GABAA/benzodiazepine receptors. 1994 , 63, 1466-76	56
279	Molecular and pharmacological characterization of GABAA receptors in the rat pituitary. 1994 , 63, 1948-54	26
278	Benzodiazepine treatment causes uncoupling of recombinant GABAA receptors expressed in stably transfected cells. 1994 , 63, 2349-52	43
277	Aging-associated changes in the pharmacological properties of the benzodiazepine (omega) receptor isotypes in the rat hippocampus. 1995 , 64, 867-73	28
276	Monoclonal antibodies to the human gamma 2 subunit of the GABAA/benzodiazepine receptors. 1995 , 64, 1305-11	9
275	Effect of ethanol treatment on rate and equilibrium constants for [3H] muscimol binding to rat brain membranes: alteration of two affinity states of the GABAA receptor. 1995 , 64, 1379-89	13
274	Zolpidem displays heterogeneity in its binding to the nonhuman primate benzodiazepine receptor in vivo. 1995 , 65, 1880-6	18
273	Astroglial cells express large amounts of GABAA receptor proteins in mature brain. 1995, 65, 2006-15	28
272	Modulation of GABAA receptor tert-[35S]butylbicyclophosphorothionate binding by antagonists: relationship to patterns of subunit expression. 1996 , 66, 2179-87	23
271	Unsaturated free fatty acids increase benzodiazepine receptor agonist binding depending on the subunit composition of the GABAA receptor complex. 1996 , 67, 2141-5	22
270	Chronic intermittent ethanol treatment in rats increases GABA(A) receptor alpha4-subunit expression: possible relevance to alcohol dependence. 1997 , 68, 2485-92	123
269	Sensitization of G protein-coupled benzodiazepine receptors in the striatum of 6-hydroxydopamine-lesioned rats. 1997 , 69, 1920-6	20
268	N-acetylaspartylglutamate stimulates metabotropic glutamate receptor 3 to regulate expression of the GABA(A) alpha6 subunit in cerebellar granule cells. 1997 , 69, 2326-35	33

267	Developmental expression of GABA(A) receptor subunit mRNAs in individual hippocampal neurons in vitro and in vivo. 1998 , 70, 1017-28	70
266	Characterization of GABA(A) receptor ligands in the rat cortical wedge preparation: evidence for action at extrasynaptic receptors?. 2002 , 137, 1-8	24
265	Inhibitory effect of diazepam on muscarinic receptor-stimulated inositol 1,4,5-trisphosphate production in rat parotid acinar cells. 2002 , 137, 945-52	17
264	Plasticity of glutamate and GABAA receptors in the hippocampus of patients with Alzheimer's disease. 2003 , 23, 491-505	23
263	[Significance of GABAA receptors for the pathophysiology and therapy of panic disorders]. 2003 , 74, 543-51	12
262	Benzodiazepine agonist and inverse agonist coupling in GABAA receptors antagonized by increased atmospheric pressure. 2003 , 469, 37-45	6
261	Neuroadaptive processes in GABAergic and glutamatergic systems in benzodiazepine dependence. 2003 , 98, 171-95	103
2 60	Mutation screen of the gene encoding GABRB3 in Chinese patients with childhood absence epilepsy. 2003 , 123A, 197-200	2
259	FEmacos ansiolEicos. 2003 , 8, 5612-5619	
258	Cerebral benzodiazepine receptors in depressed patients measured with [123I]iomazenil SPECT. 2003 , 54, 792-9	50
257	Biochemical analysis of GABA(A) receptor subunits alpha 1, alpha 5, beta 1, beta 2 in the hippocampus of patients with Alzheimer's disease neuropathology. 2003 , 120, 695-704	45
256	The GABA(A) receptor complex in the chicken brain: immunocytochemical distribution of alpha 1-and gamma 2-subunits and autoradiographic distribution of BZ1 and BZ2 binding sites. 2003 , 25, 1-18	5
255	Dihydromagnolol 🗈 Potent Anxiolytic-like Agent in Mice. 2003 , 41, 31-36	1
254	Multiple assembly signals in gamma-aminobutyric acid (type A) receptor subunits combine to drive receptor construction and composition. 2003 , 31, 875-9	33
253	Gamma-aminobutyric acid inhibits T cell autoimmunity and the development of inflammatory responses in a mouse type 1 diabetes model. 2004 , 173, 5298-304	157
252	Characterization of the interaction of indiplon, a novel pyrazolopyrimidine sedative-hypnotic, with the GABAA receptor. 2004 , 311, 537-46	48
251	GABAergic signaling in the developing cerebellum. 2004 , 79, 124-36	32
250	An electron microscope immunocytochemical study of GABA(B) R2 receptors in the monkey basal ganglia: a comparative analysis with GABA(B) R1 receptor distribution. 2004 , 476, 65-79	22

249	Comparative modeling of a GABAA alpha1 receptor using three crystal structures as templates. 2004 , 23, 39-49	42
248	A Study about a Change in GABA(A) Receptors in the Trigeminal Mesencephalic Nucleus by Administration of an Agonist: Investigation of Internalization of GABA(A) Receptors using Immunohistochemical Procedures 12004, 46, 47-58	
247	Subregional analysis of GABA(A) receptor subunit mRNAs in the hippocampus of older persons with and without cognitive impairment. 2004 , 28, 17-25	17
246	GABAA receptor beta subunit mRNA expression in the human alcoholic brain. 2004, 45, 1011-20	11
245	Extrasynaptic localization of GABA in the developing mouse cerebellum. 2004, 50, 447-58	39
244	MEKC-LIF of gamma-amino butyric acid in microdialysate: systematic optimization of the separation conditions by factorial analysis. 2005 , 147, 36-47	19
243	Electrophysiological effects of allopregnanolone in rats with a history of ethanol exposure. 2005 , 29, 66-74	5
242	Developmental expression of GABA transporter-1 and 3 during formation of the GABAergic synapses in the mouse cerebellar cortex. 2005 , 158, 41-9	41
241	Interaction between allopregnanolone and pregnenolone sulfate in modulating GABA-mediated synaptic currents in neurons from the rat medial preoptic nucleus. 2005 , 1033, 58-67	27
240	Alterations in dopamine and benzodiazepine receptor binding precede overt neuronal pathology in mice modelling early Huntington disease pathogenesis. 2005 , 1039, 14-21	18
239	Biotransformation of a GABAA receptor partial agonist in sprague-dawley rats and cynomolgus monkeys: identification of two unique N-carbamoyl metabolites. 2005 , 33, 1688-99	27
238	GABAergic signaling in the developing cerebellum. 2005 , 71, 63-94	10
237	Glutamate-gated chloride channels and the mode of action of the avermectin/milbemycin anthelmintics. 2005 , 131 Suppl, S85-95	242
236	A histochemical and immunohistochemical analysis of the subependymal layer in the normal and Huntington's disease brain. 2005 , 30, 55-66	57
235	Glutamate-gated chloride channels inhibit juvenile hormone biosynthesis in the cockroach, Diploptera punctata. 2005 , 35, 1260-8	20
234	Synaptic and extrasynaptic GABA-A and GABA-B receptors in the globus pallidus: an electron microscopic immunogold analysis in monkeys. 2005 , 131, 917-33	31
233	Hormonal, Neural, and Genomic Mechanisms for Female Reproductive Behaviors, Motivation, and Arousal. 2006 , 1825-1920	8
232	Neurotransmitters. 45-142	1

231	Pharmacology of neurosteroid biosynthesis. Role of the mitochondrial DBI receptor (MDR) complex. 1994 , 746, 223-42	27
230	The peripheral GABAergic system as a target in endocrine disorders. 2006 , 124, 1-8	86
229	Developmental localization of potassium chloride co-transporter 2 in granule cells of the early postnatal mouse cerebellum with special reference to the synapse formation. 2006 , 143, 757-67	35
228	Selective neuronal vulnerability following mild focal brain ischemia in the mouse. 2003 , 13, 452-64	74
227	Identification of the GABAA receptor alpha 3 subunit in the IMR-32 neuroblastoma cell line. 1993 , 61, 752-5	9
226	GABA and glycine as neurotransmitters: a brief history. 2006 , 147 Suppl 1, S109-19	203
225	Residues in the first transmembrane domain of the Caenorhabditis elegans GABA(A) receptor confer sensitivity to the neurosteroid pregnenolone sulfate. 2006 , 148, 162-72	18
224	Genes and gene expression in the brains of human alcoholics. 2006 , 1074, 104-15	10
223	Age-related alterations in GABA(A) receptor subunits in the nonhuman primate hippocampus. 2006 , 1073-1074, 120-30	18
222	Tyrosine kinase phosphorylation of GABAA receptor subunits following chronic ethanol exposure of cultured cortical neurons of mice. 2006 , 1086, 35-41	12
221	GABA(B) receptors in the centromedian/parafascicular thalamic nuclear complex: an ultrastructural analysis of GABA(B)R1 and GABA(B)R2 in the monkey thalamus. 2006 , 496, 269-87	15
220	Association of GABRB3 polymorphisms with autism spectrum disorders in Korean trios. 2006 , 54, 160-5	50
219	Developmental localization of potassium chloride co-transporter 2 (KCC2) in the Purkinje cells of embryonic mouse cerebellum. 2007 , 57, 322-5	13
218	Mechanism-Based Pharmacokinetic P harmacodynamic Modeling for the Prediction of In Vivo Drug Concentration E ffect Relationships IApplication in Drug Candidate Selection and Lead Optimization. 2007 , 885-908	3
217	GABA(A) receptors in aging and Alzheimer's disease. 2007 , 103, 1285-92	141
216	Characterization of an autism-associated segmental maternal heterodisomy of the chromosome 15q11-13 region. 2007 , 37, 694-702	46
215	GABA(B) receptors in neuroendocrine regulation. 2008, 28, 803-17	7
214	Identification, characterization and potent antitumor activity of ECO-4601, a novel peripheral benzodiazepine receptor ligand. 2008 , 61, 911-21	40

(2009-2008)

213	2008, 9, 109	18
212	Characterization of the influence of unsaturated free fatty acids on brain GABA/benzodiazepine receptor binding in vitro. 1994 , 62, 1432-9	59
211	Rapid Communication Isolation and Characterization of the Promoter of the Human GABAA Receptor # Subunit Gene. 2008 , 62, 1643-1646	23
210	GABAA receptor subtypes expressed in cerebellar granule cells: a developmental study. 1994 , 62, 2037-44	57
209	Hyperglycosylation and reduced GABA currents of mutated GABRB3 polypeptide in remitting childhood absence epilepsy. <i>American Journal of Human Genetics</i> , 2008 , 82, 1249-61	134
208	Is ACTH a key to understanding anticonvulsant action?. 1998 , 40, 82-9	13
207	GAB(A) receptors present higher affinity and modified subunit composition in spinal motor neurons from a genetic model of amyotrophic lateral sclerosis. 2008 , 28, 1275-85	29
206	GABA(A) receptors and alcohol. 2008, 90, 90-4	134
205	Interpopulation linkage disequilibrium patterns of GABRA2 and GABRG1 genes at the GABA cluster locus on human chromosome 4. 2008 , 91, 61-9	17
204	Metabolism and disposition of a gamma-aminobutyric acid type A receptor partial agonist in humans. 2008 , 36, 655-62	3
203	Surface expression of GABAA receptors is transcriptionally controlled by the interplay of cAMP-response element-binding protein and its binding partner inducible cAMP early repressor. 2008 , 283, 9328-40	43
202	Use of Sedatives, Analgesics, and Neuromuscular Blockers. 2008 , 327-342	1
201	A Review of Glutamate Receptors I: Current Understanding of Their Biology. 2008, 21, 25-51	29
200	Differential Expression of GABA Receptor Subunit Messenger Ribonucleic Acids and Immunoreactivity in the Rat Neostriatum during Postnatal Development. 2008 , 5, 100-115	1
199	Modulation of the Cys-loop ligand-gated ion channels by fatty acid and cannabinoids. 2009, 81, 315-35	15
198	GABAA receptors containing gamma1 subunits contribute to inhibitory transmission in the central amygdala. 2009 , 101, 341-9	29
197	The actions of chloride channel blockers, barbiturates and a benzodiazepine on Caenorhabditis elegans glutamate- and ivermectin-gated chloride channel subunits expressed in Xenopus oocytes. 2009 , 9, 175-84	1
196	Gamma-aminobutyric acid nurtures allergic asthma. 2009 , 39, 956-61	13

195	Understanding your inhibitions: effects of GABA and GABAA receptor modulation on brain cortical metabolism. 2009 , 108, 57-71	13
194	GABA(A) receptors and their associated proteins: implications in the etiology and treatment of schizophrenia and related disorders. 2009 , 57, 481-95	88
193	Cannabinoid (CB(1)), GABA(A) and GABA(B) receptor subunit changes in the globus pallidus in Huntington's disease. 2009 , 37, 266-81	74
192	A comparative autoradiography study in post mortem whole hemisphere human brain slices taken from Alzheimer patients and age-matched controls using two radiolabelled DAA1106 analogues with high affinity to the peripheral benzodiazepine receptor (PBR) system. 2009 , 54, 28-36	62
191	Neuroendocrine Regulation of Puberty. 2009 , 2035-2113	1
190	The Application of Recombinant DNA Technology in Medicinal Chemistry and Drug Discovery. 2010 , 535-568	
189	Confirmation of the anxiolytic-like effect of dihydrohonokiol following behavioural and biochemical assessments. 2001 , 53, 721-5	9
188	An UNC-49 GABA receptor subunit from the parasitic nematode Haemonchus contortus is associated with enhanced GABA sensitivity in nematode heteromeric channels. 2010 , 113, 1113-22	21
187	Reversible dysfunction of receptors in traumatic brain injury?. 2010 , 30, 1671-2	1
186	Immunocytochemical evidence for SNARE protein-dependent transmitter release from guinea pig horizontal cells. 2010 , 31, 1388-401	23
185	GABAA Receptor Channels. 2010 , 257-282	1
184	Understanding the clinical pharmacokinetics of a GABAA partial agonist by application of in vitro tools. 2010 , 40, 476-84	6
183	Developmental localization of potassium chloride co-transporter 2 (KCC2), GABA and vesicular GABA transporter (VGAT) in the postnatal mouse somatosensory cortex. 2010 , 67, 137-48	34
182	Effects of different doses and schedules of diazepam treatment on lymphocyte parameters in rats. 2010 , 10, 1335-43	15
181	Effects of benzodiazepine treatment on cortical GABA(A) and muscarinic receptors: studies in schizophrenia and rats. 2010 , 179, 139-46	4
180	The balance between excitation and inhibition and functional sensory processing in the somatosensory cortex. 2011 , 97, 305-33	31
179	Gene expression changes in GABA(A) receptors and cognition following chronic ketamine administration in mice. 2011 , 6, e21328	40
178	Late development of the GABAergic system in the human cerebral cortex and white matter. 2011 , 70, 841-58	96

177	Tolerance to allopregnanolone with focus on the GABA-A receptor. 2011 , 162, 311-27	63
176	Prediction of GABAA receptor proteins using the concept of Chou's pseudo-amino acid composition and support vector machine. 2011 , 281, 18-23	212
175	A mouse monoclonal antibody against the 🛭 subunit of GABAA receptors. 2011 , 30, 537-42	6
174	SRD5A1 genotype frequency differences in women with mild versus severe premenstrual symptoms. 2012 , 33, 101-8	4
173	Distinct development of GABA system in the ventral and dorsal horns in the embryonic mouse spinal cord. 2012 , 1486, 39-52	14
172	Structure, function, and modulation of GABA(A) receptors. 2012 , 287, 40224-31	441
171	Neuroendocrine Mechanism of Puberty. 2012 , 433-484	5
170	Metal toxicity at the synapse: presynaptic, postsynaptic, and long-term effects. 2012 , 2012, 132671	61
169	Drugs Inducing Insomnia as an Adverse Effect. 2012 ,	1
168	GABA/glycine signaling during degeneration and regeneration of mouse hypoglossal nerves. 2012 , 1446, 22-33	13
167	Optogenetic cell control in experimental models of neurological disorders. 2013, 255, 35-43	18
166	Like Cures Like. 2013 , 273-300	10
165	GABA(A) receptor characterization and subunit localization in the human sub-ventricular zone. 2013 , 52, 58-68	7
164	Molecular mechanisms of antiseizure drug activity at GABAA receptors. 2013 , 22, 589-600	96
163	Abnormal GABAergic function and negative affect in schizophrenia. 2014, 39, 1000-8	18
162	Analysis of the antiepileptic, ethosuximide impacts on neurogenesis of rat forebrain stem cells. 2014 , 28, 512-8	7
161	Cloning and characterization of the ionotropic GABA receptor subunit 1 from pig (Sus scrofa). 2014 , 558, 78-81	2
160	Characteristic development of the GABA-removal system in the mouse spinal cord. 2014 , 262, 129-42	6

159	Binding difference of fipronil with GABAARs in fruitfly and zebrafish: insights from homology modeling, docking, and molecular dynamics simulation studies. 2014 , 62, 10646-53	26
158	A predicted binding site for cholesterol on the GABAA receptor. 2014 , 106, 1938-49	64
157	Identification of the putative binding pocket of valerenic acid on GABAA receptors using docking studies and site-directed mutagenesis. 2015 , 172, 5403-13	21
156	Altered neuronal excitability underlies impaired hippocampal function in an animal model of psychosis. 2015 , 9, 117	23
155	Toxin-Induced Seizures. 2015 , 1-27	
154	Role of , GABA receptor alpha-2 subunit, in CNS development. 2015 , 3, 190-201	13
153	Sigma receptors [Rs]: biology in normal and diseased states. 2016, 36, 327-388	67
152	GABAergic system in the endocrine pancreas: a new target for diabetes treatment. 2015 , 8, 79-87	33
151	Abnormal GABAergic function and face processing in schizophrenia: A pharmacologic-fMRI study. 2015 , 168, 338-44	11
150	GABA-A Receptor Modulation and Anticonvulsant, Anxiolytic, and Antidepressant Activities of Constituents from Artemisia indica Linn. 2016 , 2016, 1215393	22
149	Epilepsy, Antiepileptic Drugs, and Aggression: An Evidence-Based Review. 2016 , 68, 563-602	132
148	Tranexamic acid-associated seizures: Causes and treatment. 2016 , 79, 18-26	120
147	Mechanisms of the Immunological Effects of Volatile Anesthetics: A Review. 2016 , 123, 326-35	54
146	Age-related gene expression change of GABAergic system in visual cortex of rhesus macaque. 2016 , 590, 227-33	14
145	Specificity protein 4 (Sp4) transcriptionally regulates inhibitory GABAergic receptors in neurons. 2016 , 1863, 1-9	10
144	Distinct development of the glycinergic terminals in the ventral and dorsal horns of the mouse cervical spinal cord. 2017 , 343, 459-471	11
143	Binding site opening by loop C shift and chloride ion-pore interaction in the GABA receptor model. 2017 , 19, 13664-13678	7
142	Protective roles of hepatic GABA signaling in acute liver injury of rats. 2017 , 312, G208-G218	17

(2020-2017)

141	Developmental Changes in Expression of GABAA Receptor Subunits ∄, ᢓ, and ∄ in the Pig Brain. 2017 , 39, 375-385	4
140	Getting a Handle on Neuropharmacology by Targeting Receptor-Associated Proteins. 2017, 96, 989-1001	41
139	The immunological function of GABAergic system. 2017 , 22, 1162-1172	32
138	Repurposing Lesogaberan to Promote Human Islet Cell Survival and -Cell Replication. 2017 , 2017, 6403539	8
137	Neuroendocrine Regulation of Puberty. 2017 , 309-356	
136	GABA receptor subunit expression changes in the human Alzheimer's disease hippocampus, subiculum, entorhinal cortex and superior temporal gyrus. 2018 , 145, 374-392	49
135	Protective roles of hepatic gamma-aminobutyric acid signaling in acute ethanol exposure-induced liver injury. 2018 , 38, 341-350	7
134	Embryonic development of GABAergic terminals in the mouse hypothalamic nuclei involved in feeding behavior. 2018 , 134, 39-48	4
133	Homotaurine, a safe blood-brain barrier permeable GABA-R-specific agonist, ameliorates disease in mouse models of multiple sclerosis. 2018 , 8, 16555	16
132	Autocrine GABA signaling distinctively regulates phenotypic activation of mouse pulmonary macrophages. 2018 , 332, 7-23	16
131	Role of adult-born granule cells in the hippocampal functions: Focus on the GluN2B-containing NMDA receptors. 2019 , 29, 1065-1082	7
130	Identification of a Core Amino Acid Motif within the Subunit of GABARs that Promotes Inhibitory Synaptogenesis and Resilience to Seizures. 2019 , 28, 670-681.e8	10
129	Inhibition, oscillations and focal seizures: An overview inspired by some historical notes. 2019 , 130, 104478	5
128	Hyper-Formation of GABA and Glycine Co-Releasing Terminals in the Mouse Cerebellar Nuclei after Deprivation of GABAergic Inputs from Purkinje Cells. 2020 , 426, 88-100	2
127	Fluorescence lifetime imaging reveals heterogeneous functional distribution of eGFP expressed in Xenopus oocytes. 2019 , 8, 015001	1
126	Insights into the synergistic mechanism of target resistance: A case study of N. lugens RDL-GABA receptors and fipronil. 2020 , 265, 106426	1
125	Unravelling the Biological Activities of the Leaves Using Experimental and Computational Approaches. 2020 , 25,	9
124	Exploiting the Indole Scaffold to Design Compounds Binding to Different Pharmacological Targets. 2020 , 25,	6

123	Development and persistence of neuropathic pain through microglial activation and KCC2 decreasing after mouse tibial nerve injury. 2020 , 1733, 146718	2
122	Highlighting membrane protein structure and function: A´celebration of the Protein Data Bank. 2021 , 296, 100557	14
121	Animal Models in Anxiety Research. 2021 , 205-225	
120	Molecular Targets of Cannabinoids Associated with Depression. 2021,	1
119	Electrophysiology of ionotropic GABA receptors. 2021 , 78, 5341-5370	12
118	Effects of general anesthetics on synaptic transmission and plasticity. 2021,	2
117	Development of the GABAergic network in the mouse spinal cord. 2021 , 273-286	
116	Non-genomic mechanisms of action of steroid hormones. 1995 , 191, 24-37; discussion 37-42	8
115	The peripheral benzodiazepine receptor and neurosteroids in the pathogenesis of hepatic encephalopathy and ammonia neurotoxicity. 143-159	5
114	Is Receptor Heterogeneity Relevant to the Anxiolytic Actions of Benzodiazepine Receptor Ligands?. 1991 , 190-202	2
113	Molecular Neuroanatomy of Neurotransmitter Receptors: The Use of in situ Hybridization Histochemistry for the Study of Their Anatomical and Cellular Localization. 1991 , 1-36	6
112	Huntington Disease and Neural Transplantation: GABAA Receptor Changes in the Basal Ganglia in Huntington Disease in the Human Brain and in the Quinolinic Acid Lesioned Rat Model of the Disease Following Fetal Neuron Transplants. 1995 , 173-197	6
111	Neurotransmitter-Gated Ion Channels as Molecular Sites of Alcohol Action. 1993 , 107-122	5
110	Intracellular regulation of GABAA-receptor function. 1992 , 3, 83-136	14
109	Direct enhancement of GABA-ergic neurotransmission by ammonia. 1997, 420, 85-94	2
108	The peripheral benzodiazepine receptor and neurosteroids in hepatic encephalopathy. 1997 , 420, 95-111	59
107	GABAA-benzodiazepine receptors: demonstration of pharmacological subtypes in the brain. 1991 , 287, 355-64	7
106	Structural, developmental and functional heterogeneity of rat GABAA receptors. 1991 , 287, 365-74	7

(1992-1991)

105	Subunit and subtype-specific antibodies to the GABA-A/benzodiazepine receptor complex. 1991 , 287, 375-80	7
104	GABAA Receptor Agonists, Partial Agonists, and Antagonists. 1997 , 37-81	3
103	Pharmacology of Mammalian GABAA Receptors. 1997 , 83-120	3
102	Neuronal Ion Channels. 1993 , 169-186	17
101	Reducing the desire to drink. Pharmacology and neurobiology. 1993 , 11, 325-44	7
100	Genetics of Benzodiazepines, Barbiturates, and Anesthetics. 1991 , 253-277	3
99	GABA Receptors: Recent Advances. 1995 , 219-229	2
98	Molluscan ligand-gated ion-channel receptors. 1993 , 63, 48-64	11
97	GABA receptor molecules of insects. 1993 , 63, 172-209	22
96	Cloning of a putative GABAA receptor from cyclodiene-resistant Drosophila: a case study in the use of insecticide-resistant mutants to isolate neuroreceptors. 1993 , 63, 210-23	9
95	Toxicant-Induced Seizures. 2017 , 447-473	1
94	GABAA Receptor Chloride Ion Channels. 2000 , 499-517	3
93	Pharmacological Inhibition of Dopaminergic and Other Neurotransmitter Receptors Using Antisense Oligodeoxynucleotides. 1998 , 263-308	2
92	Epileptogenesis: Biochemical Aspects. 1999 , 87-121	1
91	Cellular Actions of Antiepileptic Drugs. 1999 , 123-150	1
90	Genetic Vulnerability to Substance Abuse. 1996 , 3-52	1
89	Atypical Antipsychotic Drugs: Clinical and Preclinical Studies. 1996 , 77-115	6
88	GABA Receptors Inside and Outside the Brain. 1992 , 215-232	1

87	GABAergic Mechanisms and Modulation of the Anaphylactic Response. 1992 , 277-293	1
86	Chloride Channels in Insects: A Search For Common Grounds. 1994 , 155-172	1
85	Alcohol-Induced Changes in Neuronal Membranes. 1995 , 11-53	1
84	Effects of Alcohol on GABA-Mediated Neurotransmission. 1995 , 103-119	6
83	Immunohistochemical mapping of gamma-aminobutyric acid type-A receptor alpha subunits in rat central nervous system. 1993 , 11, 29-49	23
82	Comparative In vivo and In vitro Selectivity of Zolpidem for [[Benzodiazepine] Modulatory Site Subtypes. 1995 , 109-122	2
81	GABAA/Benzodiazepine Receptors in the Developing Mammalian Brain. 1993, 105-126	1
80	Channel Proteins: From Anatomy to Design. 1992 , 249-268	1
79	Interspecies Comparison of Expression of GABA/Benzodiazepine Receptors and their Subunits in the Motor and Limbic Nuclei of the Thalamus. 1993 , 291-299	3
78	Neurosteroids: Biosynthesis and Function. 1994 , 36-50	9
77	Detection and Characterization of Epalon Receptors: Novel Recognition Sites for Neuroactive Steroids That Modulate the GABAA Receptor Complex. 1994 , 211-225	3
76	Molecular genetics and drug discovery. 1991 , 1, 133-67	2
75	Amino Acid Receptors. 1993 , 47-66	4
74	GABA/benzodiazepine receptors in human focal epilepsy. 1992 , 8, 383-91	18
73	Roles of GABA receptor 5 subunit on locomotion and working memory in transient forebrain ischemia in mice. 2020 , 102, 109962	2
72	Identification of a [3H]muscimol photoaffinity substrate in the bovine gamma-aminobutyric acidA receptor alpha subunit 1994 , 269, 20380-20387	130
71	Differential phosphorylation of intracellular domains of gamma-aminobutyric acid type A receptor subunits by calcium/calmodulin type 2-dependent protein kinase and cGMP-dependent protein kinase 1994, 269, 18111-18117	110
70	Model of subunit composition of gamma-aminobutyric acid A receptor subtypes expressed in rat cerebellum with respect to their alpha and gamma/delta subunits 1994 , 269, 16020-16028	97

(2001-1994)

69	BSF1, a novel brain-specific DNA-binding protein recognizing a tandemly repeated purine DNA element in the GABAA receptor delta subunit gene 1994 , 269, 15265-15273	29
68	The gamma 2 subunit is an integral component of the gamma-aminobutyric acidA receptor but the alpha 1 polypeptide is the principal site of the agonist benzodiazepine photoaffinity labeling reaction 1990 , 265, 21160-21165	107
67	Gamma-aminobutyric acidA receptor structure and function 1992 , 267, 16747-16750	154
66	Isolation and cloning of a voltage-dependent anion channel-like Mr 36,000 polypeptide from mammalian brain 1992 , 267, 8679-8684	73
65	Assembly of mutant subunits of the nicotinic acetylcholine receptor lacking the conserved disulfide loop structure 1992 , 267, 6286-6290	52
64	A single histidine in GABAA receptors is essential for benzodiazepine agonist binding 1992 , 267, 1426-1429	349
63	GABAA receptor populations with novel subunit combinations and drug binding profiles identified in brain by alpha 5- and delta-subunit-specific immunopurification 1993 , 268, 5965-5973	135
62	A strong promoter element is located between alternative exons of a gene encoding the human gamma-aminobutyric acid-type A receptor beta 3 subunit (GABRB3) 1993 , 268, 4420-4428	77
61	Further evidence for the existence of alpha subunit heterogeneity within discrete gamma-aminobutyric acidA receptor subpopulations 1993 , 268, 3753-3757	56
60	Molecular characterization of four pharmacologically distinct gamma-aminobutyric acid transporters in mouse brain [corrected] 1993 , 268, 2106-2112	317
59	Immunoaffinity purification of GABAA receptor alpha-subunit iso-oligomers. Demonstration of receptor populations containing alpha 1 alpha 2, alpha 1 alpha 3, and alpha 2 alpha 3 subunit pairs 1991 , 266, 24778-24784	87
58	Identification of the cAMP-dependent protein kinase and protein kinase C phosphorylation sites within the major intracellular domains of the beta 1, gamma 2S, and gamma 2L subunits of the gamma-aminobutyric acid type A receptor 1992 , 267, 14470-14476	186
57	A single amino acid of the human gamma-aminobutyric acid type A receptor gamma 2 subunit determines benzodiazepine efficacy. 1994 , 269, 32768-32773	91
56	GABAA receptors display association of 2 -subunit with 4 - and 2 /3-subunits. 1991 , 266, 4478-4483	187
55	Amino acids lining the channel of the gamma-aminobutyric acid type A receptor identified by cysteine substitution 1993 , 268, 21505-21508	8o
54	Sex and the substantia nigra: administration, teaching, patient care, and research. 1997 , 14, 484-94	8
53	Mechanism of Chlordiazepoxide Enhancement of 4-Aminobutyrate-Receptor Desensitization Investigated with 82Br- Radiotracer. 1995 , 228, 311-315	2
52	Modulation of GABA(A) receptor channel gating by pentobarbital. 2001 , 537, 715-33	70

51	Role of glutamatergic and GABAergic systems in alcoholism. 2001, 8, 7	3
50	Possible neuropharmacological effects of Adenia trilobata (Roxb.) in the Swiss albino mice model. 2020 , 6,	6
49	Ligands for the GABAA receptor complex. 2001 , 236-274	9
48	Molecular Pharmacology and Neuroanatomy. 2000 , 369-384	2
47	The STARS Phase 2 Study: A Randomized Controlled Trial of Gaboxadol in Angelman Syndrome. 2021 , 96, e1024-e1035	4
46	Pharmacology of skeletal muscle GABA-gated chloride channels in the cockroach Periplaneta americana 1997 , 200, 2947-2955	11
45	Systematic review of modulators of benzodiazepine receptors in irritable bowel syndrome: is there hope?. 2011 , 17, 4251-7	13
44	Homotaurine Treatment Enhances CD4 and CD8 Regulatory T Cell Responses and Synergizes with Low-Dose Anti-CD3 to Enhance Diabetes Remission in Type 1 Diabetic Mice. 2019 , 3, 498-510	8
43	GABAA receptor complex. 2001 , 202-235	5
42	The Immunohistochemical Localisation of GABAA Receptor Subunits in the Human Striatum. 2002 , 623-630	
42 41	The Immunohistochemical Localisation of GABAA Receptor Subunits in the Human Striatum. 2002 , 623-630 Cognition Enhancers. 2003 , 779-836	1
		1
41	Cognition Enhancers. 2003, 779-836	
41 40	Cognition Enhancers. 2003, 779-836 Application of Recombinant DNA Technology in Medicinal Chemistry and Drug Discovery. 2003, 81-113 A Study about a Change in GABA (A) Receptors in the Trigeminal Mesencephalic Nucleus by Administration of an Agonist-Investigation of Internalization of GABA(A) Receptors using	
41 40 39	Cognition Enhancers. 2003, 779-836 Application of Recombinant DNA Technology in Medicinal Chemistry and Drug Discovery. 2003, 81-113 A Study about a Change in GABA (A) Receptors in the Trigeminal Mesencephalic Nucleus by Administration of an Agonist-Investigation of Internalization of GABA(A) Receptors using Immunohistochemical Procedures 2004, 46, 47-58	
41 40 39 38	Cognition Enhancers. 2003, 779-836 Application of Recombinant DNA Technology in Medicinal Chemistry and Drug Discovery. 2003, 81-113 A Study about a Change in GABA (A) Receptors in the Trigeminal Mesencephalic Nucleus by Administration of an Agonist-Investigation of Internalization of GABA(A) Receptors using Immunohistochemical Procedures 2004, 46, 47-58 Neurotransmitters and Pharmacology. 2010, 97-165	
41 40 39 38 37	Cognition Enhancers. 2003, 779-836 Application of Recombinant DNA Technology in Medicinal Chemistry and Drug Discovery. 2003, 81-113 A Study about a Change in GABA (A) Receptors in the Trigeminal Mesencephalic Nucleus by Administration of an Agonist-Investigation of Internalization of GABA(A) Receptors using Immunohistochemical Procedures 2004, 46, 47-58 Neurotransmitters and Pharmacology. 2010, 97-165 Extraction of total RNA in the developing chicken forebrain. 2014, 3, 70	

A Minimal Model of Ion Channels: Polyamino Acids in Liposomes. 1992, 339-356 33 Molecular biology of the GABAA receptor. 1992, 295-308 Cloning of an Invertebrate GABA Receptor from the Cyclodiene Resistance Locus in Drosophila. 31 **1992**, 285-292 Molecular design of oligomeric channel proteins. 1992, 14, 163-84 30 Introduction: The Biology of Receptors. 1993, 1-25 29 Preclinical Pharmacodynamics of Anxiolytics: Effects of Chronic Benzodiazepine Administration. 28 **1993**, 91-96 Multiple Actions of Ethanol on Acetylcholine Receptors. 1993, 83-96 27 1 Convulsants and Gamma-Aminobutyric Acid Receptors. 1994, 507-537 26 SPECT-Darstellung der Benzodiazepinrezeptoren. 1995, 204-219 25 Agrin. 1995, 37, 71???77 24 Regulation of GABAA Receptors by Multiple Protein Kinases. 1996, 173-184 23 1 Modelling Functional Domains of the GABAA Receptor Chloride Channel. 1996, 145-155 22 Aminosūren und Polyaminosūren (Proteine). 1997, 32-81 21 Modern Development in Sleep Medicine with Particular Reference to Zolpidem. 1997, 183-189 20 Aminosūren und Polyaminosūren (Proteine). 1998, 32-81 19 18 Modification of Native GABAA Receptor Assemblies Using Antisense Oligonucleotides. 1998, 83-101 The Neuropsychopharmacological Potential of Neurosteroids. 1999, 349-364 17 1 Alcohol and General Anesthetic Modulation of Gabaa and Neuronal Nicotinic Acetylcholine 16 Receptors. 1999, 39-49

INCIDENCE OF FLUOROQUINOLONES INDUCED PSYCHOTIC DISORDERS IN PATIENTS ADMITTED TO DEPARTMENT OF MEDICINE IN A GENERAL HOSPITAL SETUP. **2015**, 4, 14942-14948

14	Neuroaktive Steroide. 2005 , 525-533		
13	Sequence of a functional invertebrate GABAA receptor subunit which can form a chimeric receptor with a vertebrate alpha subunit. <i>EMBO Journal</i> , 1991 , 10, 3239-45	13	21
12	Point mutations affecting antagonist affinity and agonist dependent gating of GABAA receptor channels. <i>EMBO Journal</i> , 1992 , 11, 2017-23	13	55
11	The atypical M2 segment of the beta subunit confers picrotoxinin resistance to inhibitory glycine receptor channels. <i>EMBO Journal</i> , 1992 , 11, 4305-11	13	108
10	Neurologic effects of alcoholism. Western Journal of Medicine, 1994 , 161, 279-87		6 7
9	Genetic mapping of the beta 1 GABA receptor gene to human chromosome 4, using a tetranucleotide repeat polymorphism. <i>American Journal of Human Genetics</i> , 1991 , 49, 621-6	11	30
8	Protective roles of hepatic GABA signaling in liver injury. <i>International Journal of Physiology,</i> Pathophysiology and Pharmacology, 2017 , 9, 153-156	3.4	2
7	Developmental Formation of the GABAergic and Glycinergic Networks in the Mouse Spinal Cord <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	О
6	Specific Expression of KCC2 in the Cells of Normal and Type 1 Diabetes Model Mouse Pancreatic Islets <i>Acta Histochemica Et Cytochemica</i> , 2022 , 55, 47-56	1.9	Ο
5	Tranexamic acid-associated fatal status epilepticus in a pediatric non-cardiac surgery: A case report and literature review <i>British Journal of Clinical Pharmacology</i> , 2022 ,	3.8	О
4	GABA. 2022 , 73-89		Ο
3	Chronic, episodic nicotine exposure alters GABAergic transmission to hypoglossal motor neurons and genioglossus muscle function at a critical developmental age.		О
2	Impairment of GABA inhibition in insomnia disorders: Evidence from the peripheral blood system. 14,		О
1	Neurobiology of Aggression R eview of Recent Findings and Relationship with Alcohol and Trauma. 2023 , 12, 469		0