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List of Publications by Year
in descending order

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198	12,155	23879	36203
papers	citations	60 h-index	101 g-index

254	254	254	10208
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reduced sedation and increased ethanol consumption in knock-in mice expressing an ethanol insensitive alpha 2 subunit of the glycine receptor. Neuropsychopharmacology, 2021, 46, 528-536.	2.8	10
2	The escalation in ethanol consumption following chronic intermittent ethanol exposure is blunted in mice expressing ethanol-resistant GluN1 or GluN2A NMDA receptor subunits. Psychopharmacology, 2021, 238, 271-279.	1.5	4
3	A long nonâ€coding <scp>RNA</scp> (<scp>Lrap</scp>) modulates brain gene expression and levels of alcohol consumption in rats. Genes, Brain and Behavior, 2021, 20, e12698.	1.1	16
4	MAP2 is differentially phosphorylated in schizophrenia, altering its function. Molecular Psychiatry, 2021, 26, 5371-5388.	4.1	13
5	Gabra2 is a genetic modifier of Dravet syndrome in mice. Mammalian Genome, 2021, 32, 350-363.	1.0	11
6	Hippocampal Î²2-GABA_A receptors mediate LTP suppression by etomidate and contribute to long-lasting feedback but not feedforward inhibition of pyramidal neurons. Journal of Neurophysiology, 2021, 126, 1090-1100.	0.9	6
7	Exposure to drugs of abuse induce effects that persist across generations. International Review of Neurobiology, 2021, 156, 217-277.	0.9	18
8	A quantitative trait variant in Gabra2 underlies increased methamphetamine stimulant sensitivity. Genes, Brain and Behavior, 2021, 20, e12774.	1.1	4
9	A Kalirin missense mutation enhances dendritic RhoA signaling and leads to regression of cortical dendritic arbors across development. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	8
10	Establishing the marmoset as a nonâ€human primate model of Alzheimerâ€™s disease. Alzheimer's and Dementia, 2021, 17, e049952.	0.4	2
11	Age-dependent impairment of metabotropic glutamate receptor 2-dependent long-term depression in the mouse striatum by chronic ethanol exposure. Alcohol, 2020, 82, 11-21.	0.8	15
12	Influence of nonsynaptic Î±1 glycine receptors on ethanol consumption and place preference. Addiction Biology, 2020, 25, e12726.	1.4	19
13	Knockâ€in Mice Expressing an Ethanolâ€Resistant GluN2A NMDA Receptor Subunit Show Altered Responses to Ethanol. Alcoholism: Clinical and Experimental Research, 2020, 44, 479-491.	1.4	9
14	Effects of Paternal Preconception Vapor Alcohol Exposure Paradigms on Behavioral Responses in Offspring. Brain Sciences, 2020, 10, 658.	1.1	9
15	CRISPR Turbo Accelerated KnockOut (CRISPy TAKO) for Rapid in vivo Screening of Gene Function. Frontiers in Genome Editing, 2020, 2, .	2.7	3
16	Coincubation of sperm with epididymal extracellular vesicle preparations from chronic intermittent ethanol-treated mice is sufficient to impart anxiety-like and ethanol-induced behaviors to adult progeny. Alcohol, 2020, 87, 111-120.	0.8	17
17	Identification of a Functional Non-coding Variant in the GABAA Receptor Î±2 Subunit of the C57BL/6J Mouse Reference Genome: Major Implications for Neuroscience Research. Frontiers in Genetics, 2019, 10, 188.	1.1	56
18	Scn4b regulates the hypnotic effects of ethanol and other sedative drugs. Genes, Brain and Behavior, 2019, 18, e12562.	1.1	3

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19	Intergenerational Effects of Alcohol: A Review of Paternal Preconception Ethanol Exposure Studies and Epigenetic Mechanisms in the Male Germline. Alcoholism: Clinical and Experimental Research, 2019, 43, 1032-1045.	1.4	45
20	Paternal Preconception Every-Other-Day Ethanol Drinking Alters Behavior and Ethanol Consumption in Offspring. Brain Sciences, 2019, 9, 56.	1.1	21
21	Hepatocyte-Specific Ablation or Whole-Body Inhibition of Xanthine Oxidoreductase in Mice Corrects Obesity-Induced Systemic Hyperuricemia Without Improving Metabolic Abnormalities. Diabetes, 2019, 68, 1221-1229.	0.3	25
22	Gene-edited CRISPy Critters for alcohol research. Alcohol, 2019, 74, 11-19.	0.8	7
23	Involvement of glycine receptor Î±1 subunits in cannabinoid-induced analgesia. Neuropharmacology, 2018, 133, 224-232.	2.0	23
24	Loss of Ethanol Inhibition of Nâ€Methylâ€Dâ€Aspartate Receptorâ€Mediated Currents and Plasticity of Cerebellar Synapses in Mice Expressing the GluN1(F639A) Subunit. Alcoholism: Clinical and Experimental Research, 2018, 42, 698-705.	1.4	10
25	Role of TLR4 in the Modulation of Central Amygdala GABA Transmission by CRF Following Restraint Stress. Alcohol and Alcoholism, 2018, 53, 642-649.	0.9	18
26	Paternal Preconception Chronic Variable Stress Confers Attenuated Ethanol Drinking Behavior Selectively to Male Offspring in a Pre-Stress Environment Dependent Manner. Frontiers in Behavioral Neuroscience, 2018, 12, 257.	1.0	18
27	T198. A Schizophrenia-Associated Missense Mutation in Kalirin Alters Pyramidal Cell Morphology in a Mouse Model. Biological Psychiatry, 2018, 83, S205.	0.7	0
28	Heavy Chronic Intermittent Ethanol Exposure Alters Small Noncoding RNAs in Mouse Sperm and Epididymosomes. Frontiers in Genetics, 2018, 9, 32.	1.1	88
29	GABA_Areceptor Î±₄-subunit knockout enhances lung inflammation and airway reactivity in a murine asthma model. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L406-L415.	1.3	37
30	Mutation of the inhibitory ethanol site in GABA A Ï1 receptors promotes tolerance to ethanol-induced motor incoordination. Neuropharmacology, 2017, 123, 201-209.	2.0	34
31	Epigenetic mediators and consequences of excessive alcohol consumption. Alcohol, 2017, 60, 1-6.	0.8	30
32	Genetic and Pharmacologic Manipulation of TLR4 Has Minimal Impact on Ethanol Consumption in Rodents. Journal of Neuroscience, 2017, 37, 1139-1155.	1.7	72
33	Cross-generational effects of alcohol dependence in humans on HRAS and TP53 methylation in offspring. Epigenomics, 2017, 9, 1189-1203.	1.0	18
34	Paternal preconception alcohol exposure imparts intergenerational alcohol-related behaviors to male offspring on a pure C57BL/6J background. Alcohol, 2017, 60, 169-177.	0.8	81
35	The Sodium Channel Î²4 Auxiliary Subunit Selectively Controls Long-Term Depression in Core Nucleus Accumbens Medium Spiny Neurons. Frontiers in Cellular Neuroscience, 2017, 11, 17.	1.8	4
36	Tagging of Endogenous BK Channels with a Fluorogen-Activating Peptide Reveals Î²4-Mediated Control of Channel Clustering in Cerebellum. Frontiers in Cellular Neuroscience, 2017, 11, 337.	1.8	17

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37	Effects of Repeated Ethanol Exposures on NMDA Receptor Expression and Locomotor Sensitization in Mice Expressing Ethanol Resistant NMDA Receptors. Frontiers in Neuroscience, 2017, 11, 84.	1.4	15
38	Paternal preconception ethanol exposure blunts hypothalamic-pituitary-adrenal axis responsivity and stress-induced excessive fluid intake in male mice. Alcohol, 2016, 53, 19-25.	0.8	55
39	Generation of a <scp>KOR</scp>â€Cre knockin mouse strain to study cells involved in kappa opioid signaling. Genesis, 2016, 54, 29-37.	0.8	23
40	APE1/Ref-1 facilitates recovery of gray and white matter and neurological function after mild stroke injury. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3558-67.	3.3	42
41	Chromatin immunoprecipitation and gene expression analysis of neuronal subtypes after fluorescence activated cell sorting. Journal of Neuroscience Methods, 2016, 263, 81-88.	1.3	8
42	Reduction in focal ictal activity following transplantation of MGE interneurons requires expression of the GABAA receptor ÃŽÂ±4 subunit. Frontiers in Cellular Neuroscience, 2015, 9, 127.	1.8	12
43	Repeated vapor ethanol exposure induces transient histone modifications in the brain that are modified by genotype and brain region. Frontiers in Molecular Neuroscience, 2015, 8, 39.	1.4	34
44	Manipulations of extracellular Loop 2 in Î±1 GlyR ultra-sensitive ethanol receptors (USERs) enhance receptor sensitivity to isoflurane, ethanol, and lidocaine, but not propofol. Neuroscience, 2015, 297, 68-77.	1.1	6
45	Drinking beyond a lifetime: New and emerging insights into paternal alcohol exposure on subsequent generations. Alcohol, 2015, 49, 461-470.	0.8	89
46	Brains, Genes, and Primates. Neuron, 2015, 86, 617-631.	3.8	231
47	Paternal Alcohol Exposure Reduces Alcohol Drinking and Increases Behavioral Sensitivity to Alcohol Selectively in Male Offspring. PLoS ONE, 2014, 9, e99078.	1.1	112
48	Acute Ethanol Alters Multiple Histone Modifications at Model Gene Promoters in the Cerebral Cortex. Alcoholism: Clinical and Experimental Research, 2014, 38, 1865-1873.	1.4	42
49	Glycine and GABAA Ultra-Sensitive Ethanol Receptors as Novel Tools for Alcohol and Brain Research. Molecular Pharmacology, 2014, 86, 635-646.	1.0	12
50	Altered Localization of the Î´ Subunit of the GABAA Receptor in the Thalamus of Î±4 Subunit Knockout Mice. Neurochemical Research, 2014, 39, 1104-1117.	1.6	15
51	Presynaptic glycine receptors as a potential therapeutic target for hyperekplexia disease. Nature Neuroscience, 2014, 17, 232-239.	7.1	58
52	Effects of ethanol on glycinergic synaptic currents in mouse spinal cord neurons. Journal of Neurophysiology, 2014, 111, 1940-1948.	0.9	17
53	GABAA-R Î±4 Subunits are Required for the Low Dose Locomotor Stimulatory Effect of Alphaxalone, But Not for Several Other Behavioral Responses to Alphaxalone, Etomidate or Propofol. Neurochemical Research, 2014, 39, 1048-1056.	1.6	7
54	Protein-tyrosine Phosphatase 4A3 (PTP4A3) Promotes Vascular Endothelial Growth Factor Signaling and Enables Endothelial Cell Motility. Journal of Biological Chemistry, 2014, 289, 5904-5913.	1.6	39

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55	Pathophysiological and neurochemical mechanisms of postoperative nausea and vomiting. European Journal of Pharmacology, 2014, 722, 55-66.	1.7	169
56	Altered Sedative Effects of Ethanol in Mice with Î±1 Glycine Receptor Subunits that are Insensitive to GÎ²Î³ Modulation. Neuropsychopharmacology, 2014, 39, 2538-2548.	2.8	36
57	Deletion of Ptp4a3 reduces clonogenicity and tumor-initiation ability of colitis-associated cancer cells in mice. Stem Cell Research, 2014, 13, 164-171.	0.3	15
58	Toll-like receptor 4 (Tlr4) knockout rats produced by transcriptional activator-like effector nuclease (TALEN)-mediated gene inactivation. Alcohol, 2013, 47, 595-599.	0.8	33
59	Linking GABAA receptor subunits to alcohol-induced conditioned taste aversion and recovery from acute alcohol intoxication. Neuropharmacology, 2013, 67, 46-56.	2.0	34
60	Alterations in Ethanol-Induced Behaviors and Consumption in Knock-In Mice Expressing Ethanol-Resistant NMDA Receptors. PLoS ONE, 2013, 8, e80541.	1.1	34
61	Targeted Deletion of the Metastasis-Associated Phosphatase Ptp4a3 (PRL-3) Suppresses Murine Colon Cancer. PLoS ONE, 2013, 8, e58300.	1.1	59
62	Behavioral Characterization of Knockin Mice with Mutations M287L and Q266I in the Glycine Receptor Î±1 Subunit. Journal of Pharmacology and Experimental Therapeutics, 2012, 340, 317-329.	1.3	35
63	Characterization of Two Mutations, M287L and Q266I, in the Î±1 Glycine Receptor Subunit That Modify Sensitivity to Alcohols. Journal of Pharmacology and Experimental Therapeutics, 2012, 340, 304-316.	1.3	24
64	Mutations M287L and Q266I in the Glycine Receptor Î±1 Subunit Change Sensitivity to Volatile Anesthetics in Oocytes and Neurons, but Not the Minimal Alveolar Concentration in Knockin Mice. Anesthesiology, 2012, 117, 765-771.	1.3	9
65	Knockout of the Î³-aminobutyric acid receptor subunit Î±4 reduces functional Î´-containing extrasynaptic receptors in hippocampal pyramidal cells at the onset of puberty. Brain Research, 2012, 1450, 11-23.	1.1	28
66	Abstract 3258: Targeted-deletion of Ptp4a3 suppresses murine colon tumorigenesis. , 2012, , .		0
67	Lack of CaV3.1 channels causes severe motor coordination defects and an age-dependent cerebellar atrophy in a genetic model of essential tremor. Biochemical and Biophysical Research Communications, 2011, 410, 19-23.	1.0	14
68	Testing the silence of mutations: Transcriptomic and behavioral studies of GABAA receptor Î±1 and Î±2 subunit knock-in mice. Neuroscience Letters, 2011, 488, 31-35.	1.0	18
69	Î±4-Containing GABAA Receptors are Required for Antagonism of Ethanol-Induced Motor Incoordination and Hypnosis by the Imidazobenzodiazepine Ro15-4513. Frontiers in Pharmacology, 2011, 2, 18.	1.6	12
70	Subunit Compensation and Plasticity of Synaptic GABAA Receptors Induced by Ethanol in ?4 Subunit Knockout Mice. Frontiers in Neuroscience, 2011, 5, 110.	1.4	26
71	Spatiotemporal specificity of GABAA receptor-mediated regulation of adult hippocampal neurogenesis. European Journal of Neuroscience, 2011, 34, 362-373.	1.2	114
72	Comparison of mibefradil and derivative NNC 55-0396 effects on behavior, cytochrome P450 activity, and tremor in mouse models of essential tremor. European Journal of Pharmacology, 2011, 659, 30-36.	1.7	19

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73	Inhaled Anesthetic Responses of Recombinant Receptors and Knockin Mice Harboring Î±2(S270H/L277A) GABA_AReceptor Subunits That Are Resistant to Isoflurane. Journal of Pharmacology and Experimental Therapeutics, 2011, 336, 134-144.	1.3	35
74	Loss of Ethanol Conditioned Taste Aversion and Motor Stimulation in Knockin Mice with Ethanol-Insensitive Î±2-Containing GABAA Receptors. Journal of Pharmacology and Experimental Therapeutics, 2011, 336, 145-154.	1.3	62
75	Effect of PRLâ€3 phosphatase knockout in cancer and angiogenesis. FASEB Journal, 2011, 25, 1013.3.	0.2	0
76	Gamma-Aminobutyric Acid Type A Receptor Î²3 Subunit Forebrain-Specific Knockout Mice Are Resistant to the Amnestic Effect of Isoflurane. Anesthesia and Analgesia, 2011, 113, 500-504.	1.1	27
77	Chrna4 A529 knock-in mice exhibit altered nicotine sensitivity. Pharmacogenetics and Genomics, 2010, 20, 121-130.	0.7	20
78	Abnormalities of cell packing density and dendritic complexity in the MeCP2 A140V mouse model of Rett syndrome/X-linked mental retardation. BMC Neuroscience, 2010, 11, 19.	0.8	94
79	PRECLINICAL STUDY: Mice lacking Gad2 show altered behavioral effects of ethanol, flurazepam and gabaxadol. Addiction Biology, 2010, 15, 45-61.	1.4	20
80	Adenosine A₁ Receptor Activation as a Brake on the Microglial Response after Experimental Traumatic Brain Injury in Mice. Journal of Neurotrauma, 2010, 27, 901-910.	1.7	78
81	Prototypic GABAA Receptor Agonist Muscimol Acts Preferentially Through Forebrain High-Affinity Binding Sites. Neuropsychopharmacology, 2010, 35, 999-1007.	2.8	63
82	T-type calcium channel antagonists suppress tremor in two mouse models of essential tremor. Neuropharmacology, 2010, 59, 380-387.	2.0	67
83	Trace and contextual fear conditioning is enhanced in mice lacking the Î±4 subunit of the GABAA receptor. Neurobiology of Learning and Memory, 2010, 93, 383-387.	1.0	62
84	Generation and Characterization of PRLâ€3 Knockout Mice. FASEB Journal, 2010, 24, 772.3.	0.2	0
85	Hepatocyte Transplantation Improves Phenotype and Extends Survival in a Murine Model of Intermediate Maple Syrup Urine Disease. Molecular Therapy, 2009, 17, 1266-1273.	3.7	30
86	Altered GABA_{A,slow}Inhibition and Network Oscillations in Mice Lacking the GABA_AReceptor Î²₃Subunit. Journal of Neurophysiology, 2009, 102, 3643-3655.	0.9	38
87	Activation of the Liver X Receptor Prevents Lipopolysaccharide-induced Lung Injury. Journal of Biological Chemistry, 2009, 284, 30113-30121.	1.6	39
88	Inhibition of thalamic excitability by 4,5,6,7â€tetrahydroisoxazolo[4,5â€c]pyridineâ€3â€ol: a selective role for Îˊâ€GABA_A receptors. European Journal of Neuroscience, 2009, 29, 1177-1187.	1.2	58
89	Alcoholâ€Induced Tolerance and Physical Dependence in Mice With Ethanol Insensitive Î±1 GABA_A Receptors. Alcoholism: Clinical and Experimental Research, 2009, 33, 289-299.	1.4	20
90	Hepatocyte transplantation (HTx) corrects selected neurometabolic abnormalities in murine intermediate maple syrup urine disease (iMSUD). Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 1004-1010.	1.8	25

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91	Isoflurane modulates excitability in the mouse thalamus via GABA-dependent and GABA-independent mechanisms. Neuropharmacology, 2009, 56, 438-447.	2.0	29
92	Brain regional distribution of GABAA receptors exhibiting atypical GABA agonism: Roles of receptor subunits. Neurochemistry International, 2009, 55, 389-396.	1.9	18
93	Investigation of ethanol-induced impairment of spatial memory in Î³2 heterozygous knockout mice. Neuroscience Letters, 2009, 455, 84-87.	1.0	11
94	Gamma-Aminobutyric Acid Type A Receptor Alpha 4 Subunit Knockout Mice Are Resistant to the Amnestic Effect of Isoflurane. Anesthesia and Analgesia, 2009, 109, 1816-1822.	1.1	37
95	The Î±1 subunit of the GABA(A) receptor modulates fear learning and plasticity in the lateral amygdala. Frontiers in Behavioral Neuroscience, 2009, 3, 37.	1.0	38
96	Normal Acute Behavioral Responses to Moderate/High Dose Ethanol in GABA_A Receptor Î±4 Subunit Knockout Mice. Alcoholism: Clinical and Experimental Research, 2008, 32, 10-18.	1.4	38
97	Functional Consequences of GABA_A Receptor Î±4 Subunit Deletion on Synaptic and Extrasynaptic Currents in Mouse Dentate Granule Cells. Alcoholism: Clinical and Experimental Research, 2008, 32, 19-26.	1.4	54
98	Developmental maturation of synaptic and extrasynaptic GABA_A receptors in mouse thalamic ventrobasal neurones. Journal of Physiology, 2008, 586, 965-987.	1.3	81
99	The expression of GABA_AÎ² subunit isoforms in synaptic and extrasynaptic receptor populations of mouse dentate gyrus granule cells. Journal of Physiology, 2008, 586, 989-1004.	1.3	103
100	Mice with targeted genetic reduction of GABAA receptor Î±1 subunits display performance differences in Morris water maze tasks. Neurobiology of Learning and Memory, 2008, 90, 580-583.	1.0	15
101	Gabrb3 gene deficient mice exhibit impaired social and exploratory behaviors, deficits in non-selective attention and hypoplasia of cerebellar vermal lobules: A potential model of autism spectrum disorder. Behavioural Brain Research, 2008, 187, 207-220.	1.2	202
102	Dual mechanism of brain injury and novel treatment strategy in maple syrup urine disease. Brain, 2008, 132, 903-918.	3.7	121
103	Isoflurane Is a Potent Modulator of Extrasynaptic GABA_AReceptors in the Thalamus. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 1127-1135.	1.3	54
104	Ethanol Modulates Synaptic and Extrasynaptic GABA_A Receptors in the Thalamus. Journal of Pharmacology and Experimental Therapeutics, 2008, 326, 475-482.	1.3	75
105	Taurine Is a Potent Activator of Extrasynaptic GABA_AReceptors in the Thalamus. Journal of Neuroscience, 2008, 28, 106-115.	1.7	143
106	Dopamine and Benzodiazepine-Dependent Mechanisms Regulate the EtOH-Enhanced Locomotor Stimulation in the GABAA Î±1 Subunit Null Mutant Mice. Neuropsychopharmacology, 2007, 32, 137-152.	2.8	27
107	Effect of Isoflurane and Other Potent Inhaled Anesthetics on Minimum Alveolar Concentration, Learning, and the Righting Reflex in Mice Engineered to Express Î±1Î³-Aminobutyric Acid Type A Receptors Unresponsive to Isoflurane. Anesthesiology, 2007, 106, 107-113.	1.3	70
108	Isoflurane depression of spinal nociceptive processing and minimum alveolar anesthetic concentration are not attenuated in mice expressing isoflurane resistant Î³-aminobutyric acid type-A receptors. Neuroscience Letters, 2007, 420, 209-212.	1.0	6

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109	Tonic for what ails us? high-affinity GABAA receptors and alcohol. Alcohol, 2007, 41, 139-143.	0.8	66
110	A new naturally occurring GABAA receptor subunit partnership with high sensitivity to ethanol. Nature Neuroscience, 2007, 10, 40-48.	7.1	232
111	The EEG effects of THIP (Gaboxadol) on sleep and waking are mediated by the GABAAÎ´-subunit-containing receptors. European Journal of Neuroscience, 2007, 25, 1893-1899.	1.2	75
112	New insight into the role of the Î²3 subunit of the GABAA-R in development, behavior, body weight regulation, and anesthesia revealed by conditional gene knockout. BMC Neuroscience, 2007, 8, 85.	0.8	58
113	Production and characterization of murine models of classic and intermediate maple syrup urine disease. BMC Medical Genetics, 2006, 7, 33.	2.1	40
114	Investigation of the abundance and subunit composition of GABAA receptor subtypes in the cerebellum of alpha1-subunit-deficient mice. Journal of Neurochemistry, 2006, 96, 136-147.	2.1	39
115	Adenosine A1 Receptor Knockout Mice Develop Lethal Status Epilepticus after Experimental Traumatic Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 565-575.	2.4	161
116	Steroid withdrawal in the mouse results in anxiogenic effects of 3Î±,5Î²-THP: a possible model of premenstrual dysphoric disorder. Psychopharmacology, 2006, 186, 323-333.	1.5	120
117	Î´-Subunit containing GABAA receptor knockout mice are less sensitive to the actions of 4,5,6,7-tetrahydroisoxazolo-[5,4-c]pyridin-3-ol. European Journal of Pharmacology, 2006, 541, 158-162.	1.7	44
118	GABAA-R Î±1 subunit knockin mutation leads to abnormal EEG and anesthetic-induced seizure-like activity in mice. Brain Research, 2006, 1078, 60-70.	1.1	13
119	Production of conditional point mutant knockin mice. Genesis, 2006, 44, 345-353.	0.8	23
120	Compensatory alteration of inhibitory synaptic circuits in cerebellum and thalamus of Î³-aminobutyric acid type A receptor Î±1 subunit knockout mice. Journal of Comparative Neurology, 2006, 495, 408-421.	0.9	122
121	Knockin Mice with Ethanol-Insensitive Î±1-Containing Î³-Aminobutyric Acid Type A Receptors Display Selective Alterations in Behavioral Responses to Ethanol. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 219-227.	1.3	44
122	An Isoflurane- and Alcohol-Insensitive Mutant GABAA Receptor Î±1 Subunit with Near-Normal Apparent Affinity for GABA: Characterization in Heterologous Systems and Production of Knockin Mice. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 208-218.	1.3	58
123	GABAA receptor Â4 subunits mediate extrasynaptic inhibition in thalamus and dentate gyrus and the action of gaboxadol. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15230-15235.	3.3	277
124	Functional Role of GABAergic Innervation of the Cochlea: Phenotypic Analysis of Mice Lacking GABAA Receptor Subunits Â1, Â2, Â5, Â6, beta2, beta3, or Â. Journal of Neuroscience, 2006, 26, 10315-10326.	1.7	75
125	Transcriptional Signatures of Cellular Plasticity in Mice Lacking the Â1 Subunit of GABAA Receptors. Journal of Neuroscience, 2006, 26, 5673-5683.	1.7	54
126	Production and Characterization of Maple Syrup Urine Disease Murine Models. FASEB Journal, 2006, 20, A448.	0.2	0

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127	Long-term effects of diazepam treatment of epileptic GABAA receptor beta3 subunit knockout mouse in early life. Epilepsy Research, 2005, 66, 99-115.	0.8	12
128	Pharmacologic Evidence for Abnormal Thalamocortical Functioning in GABAA Receptor beta3 Subunit-Deficient Mice, a Model of Angelman Syndrome. Epilepsia, 2005, 46, 1860-1870.	2.6	23
129	GABAA receptor Î²3 subunit gene-deficient heterozygous mice show parent-of-origin and gender-related differences in Î²3 subunit levels, EEG, and behavior. Developmental Brain Research, 2005, 157, 150-161.	2.1	47
130	GABAA receptor gamma 2 subunit knockdown mice have enhanced anxiety-like behavior but unaltered hypnotic response to benzodiazepines. BMC Neuroscience, 2005, 6, 30.	0.8	61
131	GABAA Receptor Î±1 Subunit Knockout Mice: A Novel Model of Essential Tremor. , 2005, , 369-375.		3
132	Trace fear conditioning is enhanced in mice lacking the Â subunit of the GABAA receptor. Learning and Memory, 2005, 12, 327-333.	0.5	92
133	Î±1 Subunit-Containing GABA Type A Receptors in Forebrain Contribute to the Effect of Inhaled Anesthetics on Conditioned Fear. Molecular Pharmacology, 2005, 68, 61-68.	1.0	53
134	Genetic essential tremor in Î³-aminobutyric acidA receptor Î±1 subunit knockout mice. Journal of Clinical Investigation, 2005, 115, 774-779.	3.9	153
135	Genetic essential tremor in Î³-aminobutyric acidA receptor Î±1 subunit knockout mice. Journal of Clinical Investigation, 2005, 115, 774-779.	3.9	89
136	Pre- and postsynaptic GABAA receptors at reciprocal dendrodendritic synapses in the olfactory bulb. European Journal of Neuroscience, 2004, 20, 2945-2952.	1.2	19
137	A gain-of-function mutation in the GABAA receptor produces synaptic and behavioral abnormalities in the mouse. Genes, Brain and Behavior, 2004, 4, 10-19.	1.1	28
138	Discriminative Stimulus Effects of Ethanol in Mice Lacking the Î³-Aminobutyric Acid Type A Receptor Î´ Subunit. Alcoholism: Clinical and Experimental Research, 2004, 28, 906-913.	1.4	31
139	Brain Regional Heterogeneity of pH Effects on GABAAReceptor-Associated [35S]TBPS Binding. Neurochemical Research, 2004, 29, 771-780.	1.6	2
140	Mouse models of Angelman syndrome, a neurodevelopmental disorder, display different brain regional GABAA receptor alterations. Neuroscience Letters, 2003, 340, 205-208.	1.0	45
141	Deletion of GABAA Receptor Î±1 Subunit-containing Receptors Alters Responses to Ethanol and Other Anesthetics. Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 600-607.	1.3	69
142	GABAA Receptor Î²3 Subunit Deletion Decreases Î±2/3 Subunits and IPSC Duration. Journal of Neurophysiology, 2003, 89, 128-134.	0.9	53
143	Inhaled Anesthetics and Immobility: Mechanisms, Mysteries, and Minimum Alveolar Anesthetic Concentration. Anesthesia and Analgesia, 2003, 97, 718-740.	1.1	265
144	Intact Synaptic GABAergic Inhibition and Altered Neurosteroid Modulation of Thalamic Relay Neurons in Mice Lacking Î´ Subunit. Journal of Neurophysiology, 2003, 89, 1378-1386.	0.9	94

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145	Glycine Receptor Knock-In Mice and Hyperekplexia-Like Phenotypes: Comparisons with the Null Mutant. Journal of Neuroscience, 2003, 23, 8051-8059.	1.7	49
146	Reduced Inhibition and Sensitivity to Neurosteroids in Hippocampus of Mice Lacking the GABAA Receptor Î´ Subunit. Journal of Neurophysiology, 2003, 90, 903-910.	0.9	144
147	Recent advances in mechanisms of action of general anaesthetics from genetically engineered animal models. , 2003, , 891-899.		0
148	Mice with Glycine Receptor Subunit Mutations Are Both Sensitive and Resistant to Volatile Anesthetics. Anesthesia and Analgesia, 2002, 95, 578-582.	1.1	15
149	Prolongation of Hippocampal Miniature Inhibitory Postsynaptic Currents in Mice Lacking the GABAA Receptor Î±1 Subunit. Journal of Neurophysiology, 2002, 88, 3208-3217.	0.9	81
150	Mice with Glycine Receptor Subunit Mutations Are Both Sensitive and Resistant to Volatile Anesthetics. Anesthesia and Analgesia, 2002, 95, 578-582.	1.1	21
151	GABAA receptor Î´ subunit deletion prevents neurosteroid modulation of inhibitory synaptic currents in cerebellar neurons. Neuropharmacology, 2002, 43, 646-650.	2.0	74
152	GABAA receptor alpha-1 subunit deletion alters receptor subtype assembly, pharmacological and behavioral responses to benzodiazepines and zolpidem. Neuropharmacology, 2002, 43, 685-694.	2.0	152
153	Integrated approaches to the action of general anesthetics and alcohol. Physiology and Behavior, 2002, 77, 495-499.	1.0	5
154	Altered receptor subtypes in the forebrain of GABAA receptor Î´ subunit-deficient mice: recruitment of Î³2 subunits. Neuroscience, 2002, 109, 733-743.	1.1	121
155	Hypoplasia of spiral and Scarpaâ€™s ganglion cells in GABAA receptor Î²3 subunit knockout mice. Hearing Research, 2002, 167, 71-80.	0.9	3
156	Molecular and Pharmacological Characterization of GABAAReceptor Î±1 Subunit Knockout Mice. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 1037-1045.	1.3	182
157	Sleep states and sleep electroencephalographic spectral power in mice lacking the Î²3 subunit of the GABAA receptor. Brain Research, 2002, 955, 221-228.	1.1	42
158	GABAA receptor changes in ? subunit-deficient mice: Altered expression of ?4 and ?2 subunits in the forebrain. Journal of Comparative Neurology, 2002, 446, 179-197.	0.9	226
159	Behavior and Physiology of Mice Lacking the GABAA-Receptor Î´ Subunit. Epilepsia, 2002, 43, 3-8.	2.6	100
160	Increased Acute Cocaine Sensitivity and Decreased Cocaine Sensitization in GABAA Receptor Î²3 Subunit knockout Mice. Journal of Neurochemistry, 2002, 73, 1539-1548.	2.1	25
161	Altered atypical coupling of Î³-aminobutyrate type A receptor agonist and convulsant binding sites in subunit-deficient mouse lines. Molecular Brain Research, 2001, 86, 179-183.	2.5	12
162	Disruption of GABA_A Receptors on GABAergic Interneurons Leads to Increased Oscillatory Power in the Olfactory Bulb Network. Journal of Neurophysiology, 2001, 86, 2823-2833.	0.9	207

#	Article	IF	Citations
163	GABA_AReceptor Î±1 Subunit Deletion Prevents Developmental Changes of Inhibitory Synaptic Currents in Cerebellar Neurons. Journal of Neuroscience, 2001, 21, 3009-3016.	1.7	297
164	Deletion of the GABAA receptor Î²3 subunit eliminates the hypnotic actions of oleamide in mice. NeuroReport, 2001, 12, 4143-4147.	0.6	54
165	Enflurane Actions on Spinal Cords from Mice That Lack the Î²3Subunit of the GABAAReceptor. Anesthesiology, 2001, 95, 154-164.	1.3	43
166	GABA influences the development of the ventromedial nucleus of the hypothalamus. Journal of Neurobiology, 2001, 49, 264-276.	3.7	46
167	GABAA-Receptor delta Subunit Knockout Mice Have Multiple Defects in Behavioral Responses to Ethanol. Alcoholism: Clinical and Experimental Research, 2001, 25, 1708-1718.	1.4	112
168	Effect of embryonic knock-down of GABAA receptors on the levels of monoamines and their metabolites in the CNS of the mouse. Brain Research, 2001, 904, 290-297.	1.1	4
169	Targeted Disruption of the GABAA Receptor Î´ Subunit Gene Leads to an Up-regulation of Î³2Subunit-containing Receptors in Cerebellar Granule Cells. Journal of Biological Chemistry, 2001, 276, 10532-10538.	1.6	88
170	GABAA-Receptor ?? Subunit Knockout Mice Have Multiple Defects in Behavioral Responses to Ethanol. Alcoholism: Clinical and Experimental Research, 2001, 25, 1708-1718.	1.4	1
171	GABA(A)-receptor delta subunit knockout mice have multiple defects in behavioral responses to ethanol. Alcoholism: Clinical and Experimental Research, 2001, 25, 1708-18.	1.4	78
172	Mice Lacking the Long Splice Variant of the Î³2 Subunit of the GABAA Receptor Are More Sensitive to Benzodiazepines. Pharmacology Biochemistry and Behavior, 2000, 66, 371-374.	1.3	44
173	Halothane and desflurane requirements in alcohol-tolerant and -nontolerant rats â€. British Journal of Anaesthesia, 2000, 85, 757-762.	1.5	3
174	Long-Range Interactions in Neuronal Gene Expression: Evidence from Gene Targeting in the GABAA Receptor Î²2â€“Î±6â€“Î±1â€“Î³2 Subunit Gene Cluster. Molecular and Cellular Neurosciences, 2000, 16, 34-41.	1.0	61
175	Attenuated sensitivity to neuroactive steroids in gamma -aminobutyrate type A receptor delta subunit knockout mice. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 12905-12910.	3.3	489
176	Pharmacologic and Behavioral Responses of Inbred C57BL/6J and Strain 129/SvJ Mouse Lines. Pharmacology Biochemistry and Behavior, 1999, 63, 21-26.	1.3	124
177	Reciprocal Inhibitory Connections and Network Synchrony in the Mammalian Thalamus. Science, 1999, 283, 541-543.	6.0	340
178	The neutral cysteine protease bleomycin hydrolase is essential for epidermal integrity and bleomycin resistance. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4680-4685.	3.3	95
179	Sensory thresholds and the antinociceptive effects of GABA receptor agonists in mice lacking the Î²3 subunit of the GABAA receptor. Neuroscience, 1999, 95, 795-806.	1.1	66
180	Normal electrophysiological and behavioral responses to ethanol in mice lacking the long splice variant of the Î³2 subunit of the Î³-aminobutyrate type A receptor. Neuropharmacology, 1999, 38, 253-265.	2.0	105

#	Article	IF	Citations
181	Ethanol Tolerance and Withdrawal Responses in GABAA Receptor Alpha 6 Subunit Null Allele Mice and in Inbred C57BL/6J and Strain 129/SvJ Mice. Alcoholism: Clinical and Experimental Research, 1998, 22, 259-265.	1.4	44
182	A deficit of functional GABAA receptors in neurons of Î²3 subunit knockout mice. Neuroscience Letters, 1998, 240, 81-84.	1.0	43
183	Genetic dissection of the molecular target(s) of anesthetics with the gene knockout approach in mice. Toxicology Letters, 1998, 100-101, 301-307.	0.4	5
184	Mice Lacking the Î²₃Subunit of the GABA_AReceptor Have the Epilepsy Phenotype and Many of the Behavioral Characteristics of Angelman Syndrome. Journal of Neuroscience, 1998, 18, 8505-8514.	1.7	426
185	Anesthesia Sensitivity in Mice that Lack the Î²3 Subunit of the Î³-Aminobutyric Acid Type A ReceptorÂ. Anesthesiology, 1998, 88, 775-780.	1.3	149
186	Alcohol and anesthetic mechanisms in genetically engineered mice. Frontiers in Bioscience - Landmark, 1998, 3, d548-558.	3.0	15
187	Ethanol tolerance and withdrawal responses in GABA(A) receptor alpha 6 subunit null allele mice and in inbred C57BL/6J and strain 129/SvJ mice. Alcoholism: Clinical and Experimental Research, 1998, 22, 259-65.	1.4	22
188	Gene Knockout of the Î±6 Subunit of the Î³-Aminobutyric Acid Type A Receptor: Lack of Effect on Responses to Ethanol, Pentobarbital, and General Anesthetics. Molecular Pharmacology, 1997, 51, 588-596.	1.0	180
189	Mice devoid of Â-aminobutyrate type A receptor Â3 subunit have epilepsy, cleft palate, and hypersensitive behavior. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 4143-4148.	3.3	463
190	Cerebellar Î³-Aminobutyric Acid Type A Receptors: Pharmacological Subtypes Revealed by Mutant Mouse Lines. Molecular Pharmacology, 1997, 52, 380-388.	1.0	59
191	New genetic technologies in alcohol research. Alcohol Health and Research World, 1997, 21, 298-309.	0.2	0
192	The role of Î³-aminobutyric acid type-A receptor subtypes in the pharmacology of general anesthesia. Current Opinion in Anaesthesiology, 1995, 8, 311-314.	0.9	3
193	Exencephaly and hydrocephaly in mice with targeted modification of the Apolipoprotein B (Apob) gene. Teratology, 1995, 51, 1-10.	1.8	70
194	Mild Dyslipidemia in Mice following Targeted Inactivation of the Hepatic Lipase Gene. Journal of Biological Chemistry, 1995, 270, 2974-2980.	1.6	181
195	Complementation of defective leucine decarboxylation in fibroblasts from a maple syrup urine disease patient by retrovirus-mediated gene transfer. Gene Therapy, 1995, 2, 461-8.	2.3	12
196	Targeted modification of the apolipoprotein B gene results in hypobetalipoproteinemia and developmental abnormalities in mice.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 2389-2393.	3.3	117
197	Morphological abnormalities, neonatal mortality, and reproductive abnormalities in mice transgenic for diphtheria toxin genes that are driven by the promoter for adipocyte lipid binding protein. Genesis, 1991, 12, 371-379.	3.1	4
198	Observations on the cooling and cryopreservation of pig oocytes at the germinal vesicle stage.. Journal of Animal Science, 1990, 68, 2803.	0.2	79