# Bernhard Bettler

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 195 papers | 21,010 citations | 9234 74 h-index | 10127 140 g-index |
| 204 all docs | 204 docs citations | 204 times ranked | 14422 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | GABAB-receptor subtypes assemble into functional heteromeric complexes. Nature, 1998, 396, 683-687. | 13.7 | 1,092 |
| 2 | Expression cloning of GABAB receptors uncovers similarity to metabotropic glutamate receptors. Nature, 1997, 386, 239-246. | 13.7 | 953 |
| 3 | Molecular Structure and Physiological Functions of GABAB Receptors. Physiological Reviews, 2004, 84, 835-867. | 13.1 | 781 |
| 4 | Cloning of a cDNA for a glutamate receptor subunit activated by kainate but not AMPA. Nature, 1991, 351, 745-748. | 13.7 | 624 |
| 5 | Cloning of a novel glutamate receptor subunit, GluR5: Expression in the nervous system during development. Neuron, 1990, 5, 583-595. | 3.8 | 620 |
| 6 | International Union of Pharmacology. XXXIII. Mammalian gamma -Aminobutyric AcidB Receptors: Structure and Function. Pharmacological Reviews, 2002, 54, 247-264. | 7.1 | 523 |
| 7 | THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G proteinâ€coupled receptors. British Journal of Pharmacology, 2019, 176, S21-S141. | 2.7 | 519 |
| 8 | Epilepsy, Hyperalgesia, Impaired Memory, and Loss of Pre- and Postsynaptic GABAB Responses in Mice Lacking GABAB(1). Neuron, 2001, 31, 47-58. | 3.8 | 489 |
| 9 | Altered synaptic physiology and reduced susceptibility to kainate-induced seizures in GluR6-deficient mice. Nature, 1998, 392, 601-605. | 13.7 | 450 |
| 10 | AMPA and kainate receptors. Neuropharmacology, 1995, 34, 123-139. | 2.0 | 444 |
| 11 | Agonist selectivity of glutamate receptors is specified by two domains structurally related to bacterial amino acid-binding proteins. Neuron, 1994, 13, 1345-1357. | 3.8 | 430 |
| 12 | Cloning of a putative glutamate receptor: A low affinity kainate-binding subunit. Neuron, 1992, 8, 257-265. | 3.8 | 373 |
| 13 | THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G proteinâ€coupled receptors. British Journal of Pharmacology, 2021, 178, S27-S156. | 2.7 | 337 |
| 14 | GABAB receptors â€“ the first 7TM heterodimers. Trends in Pharmacological Sciences, 1999, 20, 396-399. | 4.0 | 324 |
| 15 | Allosteric interactions between GB1 andGB2 subunits are required for optimalGABAB receptor function. EMBO Journal, 2001, 20, 2152-2159. | 3.5 | 315 |
| 16 | C-Terminal Interaction Is Essential for Surface Trafficking But Not for Heteromeric Assembly of GABA<sub>B</sub>Receptors. Journal of Neuroscience, 2001, 21, 1189-1202. | 1.7 | 292 |
| 17 | Differential Compartmentalization and Distinct Functions of GABAB Receptor Variants. Neuron, 2006, 50, 589-601. | 3.8 | 289 |
| 18 | Trace Amine-Associated Receptor 1 Modulates Dopaminergic Activity. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 948-956. | 1.3 | 288 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | TAAR1 activation modulates monoaminergic neurotransmission, preventing hyperdopaminergic and hypoglutamatergic activity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8485-8490. | 3.3 | 287 |
| 20 | Native GABAB receptors are heteromultimers with a family of auxiliary subunits. Nature, 2010, 465, 231-235. | 13.7 | 286 |
| 21 | Regulation of neuronal GABAB receptor functions by subunit composition. Nature Reviews Neuroscience, 2012, 13, 380-394. | 4.9 | 280 |
| 22 | The GABAB1b Isoform Mediates Long-Lasting Inhibition of Dendritic Ca2+ Spikes in Layer 5 Somatosensory Pyramidal Neurons. Neuron, 2006, 50, 603-616. | 3.8 | 255 |
| 23 | Positive Allosteric Modulation of Native and Recombinant Î³-Aminobutyric Acid<sub>B</sub> Receptors by 2,6-Di-<i>tert</i>-butyl-4-(3-hydroxy-2,2-dimethyl-propyl)-phenol (CGP7930) and its Aldehyde Analog CGP13501. Molecular Pharmacology, 2001, 60, 963-971. | 1.0 | 245 |
| 24 | Redistribution of GABAB(1) Protein and Atypical GABAB Responses in GABAB(2)-Deficient Mice. Journal of Neuroscience, 2004, 24, 6086-6097. | 1.7 | 213 |
| 25 | Behavioral Characterization of the Novel GABAB Receptor-Positive Modulator GS39783 (N,Nâ€²-Dicyclopentyl-2-methylsulfanyl-5-nitro-pyrimidine-4,6-diamine): Anxiolytic-Like Activity without Side Effects Associated with Baclofen or Benzodiazepines. Journal of Pharmacology and Experimental Therapeutics, 2004, 310, 952-963. | 1.3 | 203 |
| 26 | The selective antagonist EPPTB reveals TAAR1-mediated regulatory mechanisms in dopaminergic neurons of the mesolimbic system. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20081-20086. | 3.3 | 203 |
| 27 | Organization and functions of mGlu and GABAB receptor complexes. Nature, 2016, 540, 60-68. | 13.7 | 198 |
| 28 | Mutagenesis and Modeling of the GABAB Receptor Extracellular Domain Support a Venus Flytrap Mechanism for Ligand Binding. Journal of Biological Chemistry, 1999, 274, 13362-13369. | 1.6 | 195 |
| 29 | Subunit Composition of Kainate Receptors in Hippocampal Interneurons. Neuron, 2000, 28, 475-484. | 3.8 | 194 |
| 30 | Î³-Hydroxybutyrate is a weak agonist at recombinant GABAB receptors. Neuropharmacology, 1999, 38, 1667-1673. | 2.0 | 184 |
| 31 | Intracellular Retention of Recombinant GABABReceptors. Journal of Biological Chemistry, 1998, 273, 26361-26367. | 1.6 | 182 |
| 32 | Expression, Structure, and Function of the CD23 Antigen. Advances in Immunology, 1991, 49, 149-191. | 1.1 | 181 |
| 33 | Generalization of amygdala LTP and conditioned fear in the absence of presynaptic inhibition. Nature Neuroscience, 2006, 9, 1028-1035. | 7.1 | 181 |
| 34 | Spatial distribution of GABABR1 receptor mRNA and binding sites in the rat brain. Journal of Comparative Neurology, 1999, 412, 1-16. | 0.9 | 180 |
| 35 | GABAB receptors: synaptic functions and mechanisms of diversity. Current Opinion in Neurobiology, 2007, 17, 298-303. | 2.0 | 178 |
| 36 | A Single Subunit (GB2) Is Required for G-protein Activation by the Heterodimeric GABAB Receptor. Journal of Biological Chemistry, 2002, 277, 3236-3241. | 1.6 | 175 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Specific gamma-hydroxybutyrate-binding sites but loss of pharmacological effects of gamma-hydroxybutyrate in GABAB(1)-deficient mice. European Journal of Neuroscience, 2003, 18, 2722-2730. | 1.2 | 175 |
| 38 | Human Â-aminobutyric acid type B receptors are differentially expressed and regulate inwardly rectifying K+ channels. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14991-14996. | 3.3 | 158 |
| 39 | Distinct localization of GABABreceptors relative to synaptic sites in the rat cerebellum and ventrobasal thalamus. European Journal of Neuroscience, 2002, 15, 291-307. | 1.2 | 152 |
| 40 | GABAB receptors: drugs meet clones. Current Opinion in Neurobiology, 1998, 8, 345-350. | 2.0 | 147 |
| 41 | Molecular diversity, trafficking and subcellular localization of GABAB receptors. , 2006, 110, 533-543. | | 143 |
| 42 | GABAB Receptors: Physiological Functions and Mechanisms of Diversity. Advances in Pharmacology, 2010, 58, 231-255. | 1.2 | 142 |
| 43 | Ca<sup>2+</sup> Requirement for High-Affinity Î³-Aminobutyric Acid (GABA) Binding at GABA<sub>B</sub> Receptors: Involvement of Serine 269 of the GABA<sub>B</sub>R1 Subunit. Molecular Pharmacology, 2000, 57, 419-426. | 1.0 | 137 |
| 44 | GABABreceptor protein and mRNA distribution in rat spinal cord and dorsal root ganglia. European Journal of Neuroscience, 2000, 12, 3201-3210. | 1.2 | 134 |
| 45 | Presynaptic Excitation via GABA B Receptors in Habenula Cholinergic Neurons Regulates Fear Memory Expression. Cell, 2016, 166, 716-728. | 13.5 | 132 |
| 46 | Compartment-Dependent Colocalization of Kir3.2-Containing K+ Channels and GABAB Receptors in Hippocampal Pyramidal Cells. Journal of Neuroscience, 2006, 26, 4289-4297. | 1.7 | 131 |
| 47 | Î³-Aminobutyric Acid Type B Receptor Splice Variant Proteins GBR1a and GBR1b Are Both Associated with GBR2 in Situ and Display Differential Regional and Subcellular Distribution. Journal of Biological Chemistry, 1999, 274, 27323-27330. | 1.6 | 131 |
| 48 | Activity-dependent switch of GABAergic inhibition into glutamatergic excitation in astrocyte-neuron networks. ELife, 2016, 5, . | 2.8 | 129 |
| 49 | Altered anxiety and depression-related behaviour in mice lacking GABAB(2) receptor subunits. NeuroReport, 2005, 16, 307-310. | 0.6 | 127 |
| 50 | GluR7 is an essential subunit of presynaptic kainate autoreceptors at hippocampal mossy fiber synapses. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12181-12186. | 3.3 | 127 |
| 51 | Mapping the Agonist-binding Site of GABAB Type 1 Subunit Sheds Light on the Activation Process of GABABReceptors. Journal of Biological Chemistry, 2000, 275, 41166-41174. | 1.6 | 120 |
| 52 | Modular composition and dynamics of native GABAB receptors identified by high-resolution proteomics. Nature Neuroscience, 2016, 19, 233-242. | 7.1 | 120 |
| 53 | GABA Blocks Pathological but Not Acute TRPV1 Pain Signals. Cell, 2015, 160, 759-770. | 13.5 | 119 |
| 54 | Selective loss of GABA <sub>B</sub> receptors in orexin-producing neurons results in disrupted sleep/wakefulness architecture. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4459-4464. | 3.3 | 115 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Notch2 signaling promotes biliary epithelial cell fate specification and tubulogenesis during bile duct development in mice. Hepatology, 2009, 50, 871-879. | 3.6 | 112 |
| 56 | The N-Terminal Domain of Î³-Aminobutyric Acid<sub>B</sub>Receptors Is Sufficient to Specify Agonist and Antagonist Binding. Molecular Pharmacology, 1999, 56, 448-454. | 1.0 | 109 |
| 57 | Circuit specificity in the inhibitory architecture of the VTA regulates cocaine-induced behavior. Nature Neuroscience, 2017, 20, 438-448. | 7.1 | 108 |
| 58 | Ca2+ activity at GABAB receptors constitutively promotes metabotropic glutamate signaling in the absence of GABA. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16952-16957. | 3.3 | 104 |
| 59 | Synapse Loss in Cortex of Agrin-Deficient Mice after Genetic Rescue of Perinatal Death. Journal of Neuroscience, 2007, 27, 7183-7195. | 1.7 | 103 |
| 60 | Trace amine-associated receptor 1 activation silences GSK3Î² signaling of TAAR1 and D2R heteromers. European Neuropsychopharmacology, 2015, 25, 2049-2061. | 0.3 | 103 |
| 61 | Constitutive Notch2 signaling induces hepatic tumors in mice. Hepatology, 2013, 57, 1607-1619. | 3.6 | 102 |
| 62 | The Anticonvulsant Gabapentin (Neurontin) Does Not Act through Î³-Aminobutyric Acid-B Receptors. Molecular Pharmacology, 2002, 61, 1377-1384. | 1.0 | 99 |
| 63 | NMDA receptor-dependent GABA <sub>B</sub> receptor internalization via CaMKII phosphorylation of serine 867 in GABA <sub>B1</sub>. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13924-13929. | 3.3 | 98 |
| 64 | Differential Effects of GABA<sub>B</sub>Receptor Subtypes, Î³-Hydroxybutyric Acid, and Baclofen on EEG Activity and Sleep Regulation. Journal of Neuroscience, 2010, 30, 14194-14204. | 1.7 | 94 |
| 65 | Spatial distribution of kainate receptor subunit mRNA in the mouse basal ganglia and ventral mesencephalon. , 1997, 379, 541-562. | | 93 |
| 66 | The Intracellular Loops of the GB2 Subunit Are Crucial for G-Protein Coupling of the Heteromeric Î³-Aminobutyrate B Receptor. Molecular Pharmacology, 2002, 62, 343-350. | 1.0 | 93 |
| 67 | GABA suppresses neurogenesis in the adult hippocampus through GABAB receptors. Development (Cambridge), 2014, 141, 83-90. | 1.2 | 92 |
| 68 | Auxiliary GABAB Receptor Subunits Uncouple G Protein Î²Î³ Subunits from Effector Channels to Induce Desensitization. Neuron, 2014, 82, 1032-1044. | 3.8 | 92 |
| 69 | Complex formation of APP with GABAB receptors links axonal trafficking to amyloidogenic processing. Nature Communications, 2019, 10, 1331. | 5.8 | 92 |
| 70 | GABAergic Inhibition of Histaminergic Neurons Regulates Active Waking But Not the Sleepâ€"Wake Switch or Propofol-Induced Loss of Consciousness. Journal of Neuroscience, 2012, 32, 13062-13075. | 1.7 | 89 |
| 71 | Presynaptic and postsynaptic localization of GABAB receptors in neurons of the rat retina. European Journal of Neuroscience, 1998, 10, 1446-1456. | 1.2 | 88 |
| 72 | Interneuron-specific signaling evokes distinctive somatostatin-mediated responses in adult cortical astrocytes. Nature Communications, 2018, 9, 82. | 5.8 | 88 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Developmental Changes of Agonist Affinity at GABABR1 Receptor Variants in Rat Brain. Molecular and Cellular Neurosciences, 1998, 12, 56-64. | 1.0 | 87 |
| 74 | A Tumor Suppressor Function for Notch Signaling in Forebrain Tumor Subtypes. Cancer Cell, 2015, 28, 730-742. | 7.7 | 85 |
| 75 | The oligomeric state sets GABA<sub>B</sub>receptor signalling efficacy. EMBO Journal, 2011, 30, 2336-2349. | 3.5 | 84 |
| 76 | The Sushi Domains of GABA<sub>B</sub>Receptors Function as Axonal Targeting Signals. Journal of Neuroscience, 2010, 30, 1385-1394. | 1.7 | 83 |
| 77 | Alternative splicing generates a novel isoform of the rat metabotropic GABABR1 receptor. European Journal of Neuroscience, 1999, 11, 2874-2882. | 1.2 | 78 |
| 78 | GABA <sub>B(1)</sub> receptor subunit isoforms differentially regulate stress resilience. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15232-15237. | 3.3 | 77 |
| 79 | Complex Formation with the Type B Î³-Aminobutyric Acid Receptor Affects the Expression and Signal Transduction of the Extracellular Calcium-sensing Receptor. Journal of Biological Chemistry, 2007, 282, 25030-25040. | 1.6 | 73 |
| 80 | Distribution of the auxiliary GABA<sub>B</sub> receptor subunits KCTD8, 12, 12b, and 16 in the mouse brain. Journal of Comparative Neurology, 2011, 519, 1435-1454. | 0.9 | 71 |
| 81 | Behavioral evaluation of mice deficient in GABAB(1) receptor isoforms in tests of unconditioned anxiety. Psychopharmacology, 2007, 190, 541-553. | 1.5 | 70 |
| 82 | Molecular structure and expression of the murine lymphocyte low-affinity receptor for IgE (Fc) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 7566-7570. | 3.3 | 69 |
| 83 | Subcellular localization of GABAB receptor subunits in rat visual cortex. Journal of Comparative Neurology, 2001, 431, 182-197. | 0.9 | 65 |
| 84 | Subcellular compartmentâ€specific molecular diversity of preâ€•and postâ€synaptic GABA<sub>B</sub>â€activated GIRK channels in Purkinje cells. Journal of Neurochemistry, 2009, 110, 1363-1376. | 2.1 | 65 |
| 85 | The heteromeric GABA-B receptor recognizes G-protein Î± subunit C-termini. Neuropharmacology, 1999, 38, 1657-1666. | 2.0 | 63 |
| 86 | No evidence for a bone phenotype in GPRC6A knockout mice under normal physiological conditions. Journal of Molecular Endocrinology, 2009, 42, 215-223. | 1.1 | 63 |
| 87 | Inhibition of Notch2 by Numb/Numblike controls myocardial compaction in the heart. Cardiovascular Research, 2012, 96, 276-285. | 1.8 | 63 |
| 88 | Early-life stress induces visceral hypersensitivity in mice. Neuroscience Letters, 2012, 512, 99-102. | 1.0 | 63 |
| 89 | Binding site for IgE of the human lymphocyte low-affinity Fc epsilon receptor (Fc epsilon RII/CD23) is confined to the domain homologous with animal lectins.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 7118-7122. | 3.3 | 61 |
| 90 | The gene encoding the glutamate receptor subunit GluR5 is located on human chromosome 21q21.1-22.1 in the vicinity of the gene for familial amyotrophic lateral sclerosis.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 178-182. | 3.3 | 61 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Molecular organization and dynamics of the melatonin MT1 receptor/RGS20/Gi protein complex reveal asymmetry of receptor dimers for RGS and Gi coupling. EMBO Journal, 2010, 29, 3646-3659. | 3.5 | 61 |
| 92 | A Modified RMCE-Compatible Rosa26 Locus for the Expression of Transgenes from Exogenous Promoters. PLoS ONE, 2012, 7, e30011. | 1.1 | 61 |
| 93 | Independent maturation of the GABAB receptor subunits GABAB1 and GABAB2 during postnatal development in rodent brain. Journal of Comparative Neurology, 2004, 477, 235-252. | 0.9 | 58 |
| 94 | Hyperdopaminergia and altered locomotor activity in GABAB1-deficient mice. Journal of Neurochemistry, 2006, 97, 979-991. | 2.1 | 54 |
| 95 | The GABA<sub>B1a</sub>Isoform Mediates Heterosynaptic Depression at Hippocampal Mossy Fiber Synapses. Journal of Neuroscience, 2009, 29, 1414-1423. | 1.7 | 54 |
| 96 | GABAB(1) Receptor Isoforms Differentially Mediate the Acquisition and Extinction of Aversive Taste Memories. Journal of Neuroscience, 2006, 26, 8800-8803. | 1.7 | 53 |
| 97 | Mapping, genomic structure, and polymorphisms of the human GABA B R1 receptor gene: evaluation of its involvement in idiopathic generalized epilepsy. Neurogenetics, 1998, 2, 47-54. | 0.7 | 52 |
| 98 | Floxed allele for conditional inactivation of the GABAB(1)gene. Genesis, 2004, 40, 125-130. | 0.8 | 52 |
| 99 | Distinct roles of GABA<sub>B1a</sub>â€•and GABA<sub>B1b</sub>â€•containing GABA<sub>B</sub> receptors in spontaneous and evoked termination of persistent cortical activity. Journal of Physiology, 2013, 591, 835-843. | 1.3 | 52 |
| 100 | GABA Type B Receptor Signaling in Proopiomelanocortin Neurons Protects Against Obesity, Insulin Resistance, and Hypothalamic Inflammation in Male Mice on a High-Fat Diet. Journal of Neuroscience, 2013, 33, 17166-17173. | 1.7 | 51 |
| 101 | Recognition molecule associated carbohydrate inhibits postsynaptic GABAB receptors: a mechanism for homeostatic regulation of GABA release in perisomatic synapses. Molecular and Cellular Neurosciences, 2003, 24, 271-282. | 1.0 | 50 |
| 102 | Specific roles of GABAB(1) receptor isoforms in cognition. Behavioural Brain Research, 2007, 181, 158-162. | 1.2 | 49 |
| 103 | The RXR-Type Endoplasmic Reticulum-Retention/Retrieval Signal of GABAB1 Requires Distant Spacing from the Membrane to Function. Molecular Pharmacology, 2005, 68, 137-144. | 1.0 | 48 |
| 104 | GABA<sub>B1</sub> Knockout Mice Reveal Alterations in Prolactin Levels, Gonadotropic Axis, and Reproductive Function. Neuroendocrinology, 2005, 82, 294-305. | 1.2 | 47 |
| 105 | Glutamate Input in the Dorsal Raphe Nucleus As a Determinant of Escalated Aggression in Male Mice. Journal of Neuroscience, 2015, 35, 6452-6463. | 1.7 | 47 |
| 106 | Opposite Effects of KCTD Subunit Domains on GABAB Receptor-mediated Desensitization. Journal of Biological Chemistry, 2012, 287, 39869-39877. | 1.6 | 46 |
| 107 | Spinal nerve ligation does not alter the expression or function of GABAB receptors in spinal cord and dorsal root ganglia of the rat. Neuroscience, 2006, 138, 1277-1287. | 1.1 | 45 |
| 108 | GABA <sub>B</sub> receptor deficiency causes failure of neuronal homeostasis in hippocampal networks. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3291-9. | 3.3 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | GABAB receptor cell-surface export is controlled by an endoplasmic reticulum gatekeeper. Molecular Psychiatry, 2016, 21, 480-490. | 4.1 | 45 |
| 110 | Parvalbumin-Interneuron Output Synapses Show Spike-Timing-Dependent Plasticity that Contributes to Auditory Map Remodeling. Neuron, 2018, 99, 720-735.e6. | 3.8 | 45 |
| 111 | Impaired GABAB Receptor Signaling Dramatically Up-Regulates Kiss1 Expression Selectively in Nonhypothalamic Brain Regions of Adult but Not Prepubertal Mice. Endocrinology, 2014, 155, 1033-1044. | 1.4 | 44 |
| 112 | Differential GABAB-Receptor-Mediated Effects in Perisomatic- and Dendrite-Targeting Parvalbumin Interneurons. Journal of Neuroscience, 2013, 33, 7961-7974. | 1.7 | 43 |
| 113 | Altered emotionality and neuronal excitability in mice lacking KCTD12, an auxiliary subunit of GABAB receptors associated with mood disorders. Translational Psychiatry, 2015, 5, e510-e510. | 2.4 | 43 |
| 114 | Compartmentalization of the GABA<sub>B</sub>Receptor Signaling Complex Is Required for Presynaptic Inhibition at Hippocampal Synapses. Journal of Neuroscience, 2011, 31, 12523-12532. | 1.7 | 42 |
| 115 | Targeting receptor complexes: a new dimension in drug discovery. Nature Reviews Drug Discovery, 2020, 19, 884-901. | 21.5 | 42 |
| 116 | KCTD Hetero-oligomers Confer Unique Kinetic Properties on Hippocampal GABA<sub>B</sub>Receptor-Induced K<sup>+</sup>Currents. Journal of Neuroscience, 2017, 37, 1162-1175. | 1.7 | 41 |
| 117 | Altered expression of GABAB receptors in the hippocampus after kainic-acid-induced seizures in rats. Molecular Brain Research, 2003, 113, 107-115. | 2.5 | 40 |
| 118 | GABAB Receptors as Potential Therapeutic Targets. CNS and Neurological Disorders, 2003, 2, 248-259. | 4.3 | 39 |
| 119 | Altered peripheral myelination in mice lacking GABAB receptors. Molecular and Cellular Neurosciences, 2008, 37, 599-609. | 1.0 | 38 |
| 120 | Constitutive Notch2 signaling in neural stem cells promotes tumorigenic features and astroglial lineage entry. Cell Death and Disease, 2012, 3, e325-e325. | 2.7 | 37 |
| 121 | Deletion of GABAâ€B Receptor in Schwann Cells Regulates Remak Bundles and Small Nociceptive Câ€fibers. Glia, 2014, 62, 548-565. | 2.5 | 37 |
| 122 | Type B Î³-Aminobutyric Acid Receptors Modulate the Function of the Extracellular Ca2+-Sensing Receptor and Cell Differentiation in Murine Growth Plate Chondrocytes. Endocrinology, 2007, 148, 4984-4992. | 1.4 | 35 |
| 123 | Lack of functional GABAB receptors alters GnRH physiology and sexual dimorphic expression of GnRH and GAD-67 in the brain. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E683-E696. | 1.8 | 35 |
| 124 | Subtype-selective Interaction with the Transcription Factor CCAAT/Enhancer-binding Protein (C/EBP) Homologous Protein (CHOP) Regulates Cell Surface Expression of GABAB Receptors. Journal of Biological Chemistry, 2005, 280, 33566-33572. | 1.6 | 34 |
| 125 | The Sushi Domains of Secreted GABAB1 Isoforms Selectively Impair GABAB Heteroreceptor Function. Journal of Biological Chemistry, 2008, 283, 31005-31011. | 1.6 | 34 |
| 126 | Acute behavioural responses to nicotine and nicotine withdrawal syndrome are modified in GABAB1 knockout mice. Neuropharmacology, 2012, 63, 863-872. | 2.0 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Up-regulation of GABAB Receptor Signaling by Constitutive Assembly with the K+ Channel Tetramerization Domain-containing Protein 12 (KCTD12). Journal of Biological Chemistry, 2013, 288, 24848-24856. | 1.6 | 33 |
| 128 | Pharmacological characterization of GABAB receptor subtypes assembled with auxiliary KCTD subunits. Neuropharmacology, 2015, 88, 145-154. | 2.0 | 33 |
| 129 | Epilepsy and intellectual disability linked protein Shrm4 interaction with GABABRs shapes inhibitory neurotransmission. Nature Communications, 2017, 8, 14536. | 5.8 | 31 |
| 130 | Loss of GABAB Receptors in Cochlear Neurons: Threshold Elevation Suggests Modulation of Outer Hair Cell Function by Type II Afferent Fibers. JARO - Journal of the Association for Research in Otolaryngology, 2009, 10, 50-63. | 0.9 | 30 |
| 131 | Lack of Functional GABA<sub>B</sub> Receptors Alters <b><i>Kiss1</i></b>, <b><i>Gnrh1 </i></b>and <b><i>Gad1</i></b> mRNA Expression in the Medial Basal Hypothalamus at Postnatal Day 4. Neuroendocrinology, 2013, 98, 212-223. | 1.2 | 30 |
| 132 | The organizing principle of GABA<sub>B</sub> receptor complexes: Physiological and pharmacological implications. Basic and Clinical Pharmacology and Toxicology, 2020, 126, 25-34. | 1.2 | 29 |
| 133 | Activation of Presynaptic GABA<sub>B(1a,2)</sub>Receptors Inhibits Synaptic Transmission at Mammalian Inhibitory Cholinergic Olivocochlearâ€"Hair Cell Synapses. Journal of Neuroscience, 2013, 33, 15477-15487. | 1.7 | 28 |
| 134 | Impaired bidirectional communication between interneurons and oligodendrocyte precursor cells affects social cognitive behavior. Nature Communications, 2022, 13, 1394. | 5.8 | 28 |
| 135 | gamma -Aminobutyric acid type B receptors are expressed and functional in mammalian cardiomyocytes. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 8664-8669. | 3.3 | 27 |
| 136 | GABAB receptor phosphorylation regulates KCTD12-induced K+ current desensitization. Biochemical Pharmacology, 2014, 91, 369-379. | 2.0 | 27 |
| 137 | Differential association of GABAB receptors with their effector ion channels in Purkinje cells. Brain Structure and Function, 2018, 223, 1565-1587. | 1.2 | 27 |
| 138 | GABAB(1) Receptor Subunit Isoforms Exert a Differential Influence on Baseline but Not GABAB Receptor Agonist-Induced Changes in Mice. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 1317-1326. | 1.3 | 23 |
| 139 | <scp>GABA<sub>B</sub></scp> receptor subtypes differentially modulate synaptic inhibition in the dentate gyrus to enhance granule cell output. British Journal of Pharmacology, 2013, 168, 1808-1819. | 2.7 | 23 |
| 140 | Reduction in the neuronal surface of post and presynaptic GABA<sub>B</sub> receptors in the hippocampus in a mouse model of Alzheimer's disease. Brain Pathology, 2020, 30, 554-575. | 2.1 | 22 |
| 141 | Functional Mapping of GABAB-Receptor Subtypes in the Thalamus. Journal of Neurophysiology, 2007, 98, 3791-3795. | 0.9 | 21 |
| 142 | Ionotropic AMPA-type glutamate and metabotropic GABAB receptors: determining cellular physiology by proteomes. Current Opinion in Neurobiology, 2017, 45, 16-23. | 2.0 | 21 |
| 143 | Rimonabant, a potent CB1 cannabinoid receptor antagonist, is a GÎ±i/o protein inhibitor. Neuropharmacology, 2018, 133, 107-120. | 2.0 | 21 |
| 144 | Ligands for the isolation of GABAB receptors W. Froestl would like to dedicate this work to the first GABAB chemist, Cr Heinrich Keberle, on the occasion of his 77th birthday.. Neuropharmacology, 1999, 38, 1641-1646. | 2.0 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Altered hippocampal expression of calbindin-D-28k and calretinin in GABAB(1)-deficient mice. Biochemical Pharmacology, 2004, 68, 1613-1620. | 2.0 | 20 |
| 146 | Conditional Gene Deletion Reveals Functional Redundancy of GABA<sub>B</sub> Receptors in Peripheral Nociceptors <i>In Vivo</i>. Molecular Pain, 2009, 5, 1744-8069-5-68. | 1.0 | 20 |
| 147 | Expression of gamma-aminobutyric acid B receptor subunits in hypothalamus of male and female developing rats. Developmental Brain Research, 2005, 160, 124-129. | 2.1 | 19 |
| 148 | KCTD12 Auxiliary Proteins Modulate Kinetics of GABA<sub>B</sub>Receptor-Mediated Inhibition in Cholecystokinin-Containing Interneurons. Cerebral Cortex, 2017, 27, bhw090. | 1.6 | 19 |
| 149 | Ligands for expression cloning and isolation of GABAB receptors. Il Farmaco, 2003, 58, 173-183. | 0.9 | 18 |
| 150 | Differential localization of GABAB receptors in the mouse retina. NeuroReport, 1998, 9, 3493-3497. | 0.6 | 17 |
| 151 | Effect of Androgens on Sexual Differentiation of Pituitary Gamma-Aminobutyric Acid Receptor Subunit GABA<sub>B</sub> Expression. Neuroendocrinology, 2004, 80, 129-142. | 1.2 | 17 |
| 152 | Characterisation and partial purification of the GABAB receptor from the rat cerebellum using the novel antagonist [ ]CGP 62349. Molecular Brain Research, 1999, 71, 279-289. | 2.5 | 16 |
| 153 | Presynaptic GABAB Receptors Regulate Hippocampal Synapses during Associative Learning in Behaving Mice. PLoS ONE, 2016, 11, e0148800. | 1.1 | 16 |
| 154 | Ontogenic expression of anterior pituitary GABAB receptor subunits. Neuropharmacology, 2001, 40, 185-192. | 2.0 | 15 |
| 155 | Determination of the minimal functional ligand-binding domain of the GABAB(1b) receptor. Biochemical Journal, 2005, 386, 423-431. | 1.7 | 15 |
| 156 | Targeting the Î³-Aminobutyric Acid Type B (GABA<sub>B</sub>) Receptor Complex: Development of Inhibitors Targeting the K<sup>+</sup> Channel Tetramerization Domain (KCTD) Containing Proteins/GABA<sub>B</sub> Receptor Proteinâ€“Protein Interaction. Journal of Medicinal Chemistry, 2019, 62, 8819-8830. | 2.9 | 15 |
| 157 | Behavioural endophenotypes in mice lacking the auxiliary GABAB receptor subunit KCTD16. Behavioural Brain Research, 2017, 317, 393-400. | 1.2 | 14 |
| 158 | Nicotineâ€induced molecular alterations are modulated by <scp>GABA<sub>B</sub></scp> receptor activity. Addiction Biology, 2018, 23, 230-246. | 1.4 | 14 |
| 159 | GABAB receptor subtypes differentially regulate thalamic spindle oscillations. Neuropharmacology, 2018, 136, 106-116. | 2.0 | 14 |
| 160 | A mouse model for visualization of GABA<sub>B</sub> receptors. Genesis, 2009, 47, 595-602. | 0.8 | 13 |
| 161 | Involvement of GABAB receptors in biochemical alterations induced by anxiety-related responses to nicotine in mice: Genetic and pharmacological approaches. Neuropharmacology, 2014, 81, 31-41. | 2.0 | 13 |
| 162 | Lack of GABAB receptors modifies behavioural and biochemical alterations induced by precipitated nicotine withdrawal. Neuropharmacology, 2015, 90, 90-101. | 2.0 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Pianp deficiency links GABAB receptor signaling and hippocampal and cerebellar neuronal cell composition to autism-like behavior. Molecular Psychiatry, 2020, 25, 2979-2993. | 4.1 | 13 |
| 164 | Symmetric signal transduction and negative allosteric modulation of heterodimeric mGlu1/5 receptors. Neuropharmacology, 2021, 190, 108426. | 2.0 | 13 |
| 165 | Constitutive activation of Notch2 signalling confers chemoresistance to neural stem cells via transactivation of fibroblast growth factor receptor-1. Stem Cell Research, 2019, 35, 101390. | 0.3 | 12 |
| 166 | GABAB receptor auxiliary subunits modulate Cav2.3-mediated release from medial habenula terminals. ELife, 2021, 10, . | 2.8 | 12 |
| 167 | Sex differences in insulin resistance in GABAB1 knockout mice. Life Sciences, 2013, 92, 175-182. | 2.0 | 10 |
| 168 | Differential roles of GABAB1 subunit isoforms on locomotor responses to acute and repeated administration of cocaine. Behavioural Brain Research, 2016, 298, 12-16. | 1.2 | 10 |
| 169 | GABAB Receptor Signaling in the Mesolimbic System Suppresses Binge-like Consumption of a High-Fat Diet. IScience, 2019, 20, 337-347. | 1.9 | 10 |
| 170 | Blunted 5-HT1A receptor-mediated responses and antidepressant-like behavior in mice lacking the GABAB1a but not GABAB1b subunit isoforms. Psychopharmacology, 2017, 234, 1511-1523. | 1.5 | 9 |
| 171 | GABAB receptors modulate morphine antinociception: Pharmacological and genetic approaches. Pharmacology Biochemistry and Behavior, 2019, 180, 11-21. | 1.3 | 9 |
| 172 | Effect of genetic and pharmacological blockade of <scp>GABA</scp> receptors on the 5â€<scp>HT</scp><sub>2C</sub> receptor function during stress. Journal of Neurochemistry, 2014, 131, 566-572. | 2.1 | 8 |
| 173 | Structural Basis of GABAB Receptor Regulation and Signaling. Current Topics in Behavioral Neurosciences, 2020, , 19-37. | 0.8 | 8 |
| 174 | Adenohypophyseal and hypothalamic GABA B receptor subunits are downregulated by estradiol in adult female rats. Life Sciences, 2006, 79, 342-350. | 2.0 | 7 |
| 175 | COR758, a negative allosteric modulator of GABAB receptors. Neuropharmacology, 2021, 189, 108537. | 2.0 | 6 |
| 176 | Postnatal development of the endocrine pancreas in mice lacking functional GABA<sub>B</sub>receptors. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E1064-E1076. | 1.8 | 5 |
| 177 | Mechanisms of Fast Desensitization of GABAB Receptor-Gated Currents. Advances in Pharmacology, 2015, 73, 145-165. | 1.2 | 5 |
| 178 | Multiple failures in the lutenising hormone surge generating system in GABAB1KO female mice. Journal of Neuroendocrinology, 2019, 31, e12765. | 1.2 | 5 |
| 179 | The upstream limit of nuclease-sensitive chromatin in Dictyostelium rRNA genes neighbors a topoisomerase I-like cluster. Journal of Molecular Biology, 1988, 204, 549-559. | 2.0 | 4 |
| 180 | Ligands for expression cloning and isolation of GABAB receptors. Il Farmaco, 2001, 56, 101-105. | 0.9 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | An Enzyme- and Serum-free Neural Stem Cell Culture Model for EMT Investigation Suited for Drug Discovery. Journal of Visualized Experiments, 2016, , . | 0.2 | 4 |
| 182 | The GABAB Receptor. , 2004, , 129-144. | | 3 |
| 183 | Editorial [Hot Topic: The Pros of Not Being Competitive (Allosteric Modulation of GPCRs) (Guest) Tj ETQq1 1 0.784314 rgBT /Overlock 1 | 1.4 | 2 |
| 184 | GABAB receptor signaling in the caudate putamen is involved in binge-like consumption during a high fat diet in mice. Scientific Reports, 2021, 11, 19296. | 1.6 | 2 |
| 185 | A tribute to Norman G Bowery. Neuropharmacology, 2018, 136, 1-2. | 2.0 | 1 |
| 186 | GABA suppresses neurogenesis in the adult hippocampus through GABAB receptors. Journal of Cell Science, 2014, 127, e1-e1. | 1.2 | 1 |
| 187 | Characteristics of GABAB Receptor Mutant Mice. , 2007, , 273-287. | | 1 |
| 188 | Processing of GABABR1 in Heterologous Expression Systems. Annals of the New York Academy of Sciences, 1999, 868, 689-692. | 1.8 | 0 |
| 189 | Erratum to â€œLigands for the isolation of GABAB receptorsâ€• Neuropharmacology, 1999, 38, 1921. | 2.0 | 0 |
| 190 | Correction for Matsuki et al., Selective loss of GABA <sub>B</sub> receptors in orexin-producing neurons results in disrupted sleep/wakefulness architecture. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8790-8790. | 3.3 | 0 |
| 191 | Distribution of the auxiliary GABAB receptor subunits KCTD8, 12, 12b, and 16 in the mouse brain. Journal of Comparative Neurology, 2011, 519, spc1-spc1. | 0.9 | 0 |
| 192 | P.4.016 GABA-B1 receptor subunit isoforms differentially mediate susceptibility to depression-related behaviour following early-life stress. European Neuropsychopharmacology, 2012, 22, S96-S97. | 0.3 | 0 |
| 193 | Autism-like behavior in Pianp-deficient mice is associated with decreased neuronal Erdr1 expression and altered GABAB receptor signaling. Molecular Psychiatry, 2020, 25, 2645-2645. | 4.1 | 0 |
| 194 | Spike-Timing Dependent Plasticity of Inhibition Gates Critical Period Remodeling in Auditory Cortex. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 195 | GABA<sub>B</sub> receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, . | 0.2 | 0 |