

Klemens Kaupmann

List of Publications by Year in descending order

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83
papers

11,372
citations

41344

49
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56724

83
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86
all docs

86
docs citations

86
times ranked

9188
citing authors

#	ARTICLE	IF	CITATIONS
1	GABAB-receptor subtypes assemble into functional heteromeric complexes. <i>Nature</i> , 1998, 396, 683-687.	27.8	1,092
2	Expression cloning of GABAB receptors uncovers similarity to metabotropic glutamate receptors. <i>Nature</i> , 1997, 386, 239-246.	27.8	953
3	Molecular Structure and Physiological Functions of GABA _B Receptors. <i>Physiological Reviews</i> , 2004, 84, 835-867.	28.8	781
4	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G protein-coupled receptors. <i>British Journal of Pharmacology</i> , 2019, 176, S21-S141.	5.4	519
5	Epilepsy, Hyperalgesia, Impaired Memory, and Loss of Pre- and Postsynaptic GABAB Responses in Mice Lacking GABAB(1). <i>Neuron</i> , 2001, 31, 47-58.	8.1	489
6	Don't worry â€”Bâ€™™ happy!: a role for GABAB receptors in anxiety and depression. <i>Trends in Pharmacological Sciences</i> , 2005, 26, 36-43.	8.7	385
7	Nogo-A Inhibits Neurite Outgrowth and Cell Spreading with Three Discrete Regions. <i>Journal of Neuroscience</i> , 2003, 23, 5393-5406.	3.6	377
8	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G protein-coupled receptors. <i>British Journal of Pharmacology</i> , 2021, 178, S27-S156.	5.4	337
9	GABAB receptors â€” the first 7TM heterodimers. <i>Trends in Pharmacological Sciences</i> , 1999, 20, 396-399.	8.7	324
10	LRRK2 protein levels are determined by kinase function and are crucial for kidney and lung homeostasis in mice. <i>Human Molecular Genetics</i> , 2011, 20, 4209-4223.	2.9	320
11	Genetic and Pharmacological Evidence of a Role for GABAB Receptors in the Modulation of Anxiety- and Antidepressant-Like Behavior. <i>Neuropsychopharmacology</i> , 2004, 29, 1050-1062.	5.4	314
12	C-Terminal Interaction Is Essential for Surface Trafficking But Not for Heteromeric Assembly of GABA _B Receptors. <i>Journal of Neuroscience</i> , 2001, 21, 1189-1202.	3.6	292
13	Differential Compartmentalization and Distinct Functions of GABAB Receptor Variants. <i>Neuron</i> , 2006, 50, 589-601.	8.1	289
14	Positive Allosteric Modulation of Native and Recombinant $\hat{3}$ -Aminobutyric Acid _B Receptors by 2,6-Di- <i>tert</i> -butyl-4-(3-hydroxy-2,2-dimethyl-propyl)-phenol (CGP7930) and its Aldehyde Analog CGP13501. <i>Molecular Pharmacology</i> , 2001, 60, 963-971.	2.3	245
15	Redistribution of GABA _B (1) Protein and Atypical GABA _B Responses in GABA _B (2)-Deficient Mice. <i>Journal of Neuroscience</i> , 2004, 24, 6086-6097.	3.6	213
16	Behavioral Characterization of the Novel GABAB Receptor-Positive Modulator GS39783 (N,N $\hat{2}$ -Dicyclopentyl-2-methylsulfanyl-5-nitro-pyrimidine-4,6-diamine): Anxiolytic-Like Activity without Side Effects Associated with Baclofen or Benzodiazepines. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 310, 952-963.	2.5	203
17	Mutagenesis and Modeling of the GABAB Receptor Extracellular Domain Support a Venus Flytrap Mechanism for Ligand Binding. <i>Journal of Biological Chemistry</i> , 1999, 274, 13362-13369.	3.4	195
18	<i>N,N</i> $\hat{2}$ -Dicyclopentyl-2-methylsulfanyl-5-nitro-pyrimidine-4,6-diamine (GS39783) and Structurally Related Compounds: Novel Allosteric Enhancers of $\hat{3}$ -Aminobutyric Acid _B Receptor Function. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 307, 322-330.	2.5	185

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19	\hat{I}^3 -Hydroxybutyrate is a weak agonist at recombinant GABAB receptors. <i>Neuropharmacology</i> , 1999, 38, 1667-1673.	4.1	184
20	Generalization of amygdala LTP and conditioned fear in the absence of presynaptic inhibition. <i>Nature Neuroscience</i> , 2006, 9, 1028-1035.	14.8	181
21	Spatial distribution of GABABR1 receptor mRNA and binding sites in the rat brain. <i>Journal of Comparative Neurology</i> , 1999, 412, 1-16.	1.6	180
22	Metabotropic Glutamate 2/3 Receptors in the Ventral Tegmental Area and the Nucleus Accumbens Shell Are Involved in Behaviors Relating to Nicotine Dependence. <i>Journal of Neuroscience</i> , 2007, 27, 9077-9085.	3.6	177
23	Specific gamma-hydroxybutyrate-binding sites but loss of pharmacological effects of gamma-hydroxybutyrate in GABAB(1)-deficient mice. <i>European Journal of Neuroscience</i> , 2003, 18, 2722-2730.	2.6	175
24	Human \hat{A} -aminobutyric acid type B receptors are differentially expressed and regulate inwardly rectifying K ⁺ channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 14991-14996.	7.1	158
25	Molecular Pharmacology of Somatostatin-receptor Subtypes. <i>Annals of the New York Academy of Sciences</i> , 1994, 733, 138-146.	3.8	147
26	GABAB receptors: drugs meet clones. <i>Current Opinion in Neurobiology</i> , 1998, 8, 345-350.	4.2	147
27	Ca ²⁺ Requirement for High-Affinity \hat{I}^3 -Aminobutyric Acid (GABA) Binding at GABA _B Receptors: Involvement of Serine 269 of the GABA _B R1 Subunit. <i>Molecular Pharmacology</i> , 2000, 57, 419-426.	2.3	137
28	Altered anxiety and depression-related behaviour in mice lacking GABAB(2) receptor subunits. <i>NeuroReport</i> , 2005, 16, 307-310.	1.2	127
29	Distribution and second messenger coupling of four somatostatin receptor subtypes expressed in brain. <i>FEBS Letters</i> , 1993, 331, 53-59.	2.8	109
30	The N-Terminal Domain of \hat{I}^3 -Aminobutyric Acid _B Receptors Is Sufficient to Specify Agonist and Antagonist Binding. <i>Molecular Pharmacology</i> , 1999, 56, 448-454.	2.3	109
31	Wobbler, a mutation affecting motoneuron survival and gonadal functions in the mouse, maps to proximal chromosome 11. <i>Genomics</i> , 1992, 13, 39-43.	2.9	89
32	Developmental Changes of Agonist Affinity at GABABR1 Receptor Variants in Rat Brain. <i>Molecular and Cellular Neurosciences</i> , 1998, 12, 56-64.	2.2	87
33	Positive Modulation of GABA _B Receptors Decreased Nicotine Self-Administration and Counteracted Nicotine-Induced Enhancement of Brain Reward Function in Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 326, 306-314.	2.5	84
34	A Screen for Enhancers of Clearance Identifies Huntingtin as a Heat Shock Protein 90 (Hsp90) Client Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 1406-1414.	3.4	84
35	Alternative splicing generates a novel isoform of the rat metabotropic GABA _B R1 receptor. <i>European Journal of Neuroscience</i> , 1999, 11, 2874-2882.	2.6	78
36	Behavioral evaluation of mice deficient in GABAB(1) receptor isoforms in tests of unconditioned anxiety. <i>Psychopharmacology</i> , 2007, 190, 541-553.	3.1	70

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37	The heteromeric GABA-B receptor recognizes G-protein $\hat{\pm}$ subunit C-termini. <i>Neuropharmacology</i> , 1999, 38, 1657-1666.	4.1	63
38	Blocking Metabotropic Glutamate Receptor Subtype 7 (mGlu7) via the Venus Flytrap Domain (VFTD) Inhibits Amygdala Plasticity, Stress, and Anxiety-related Behavior. <i>Journal of Biological Chemistry</i> , 2014, 289, 10975-10987.	3.4	63
39	Reduction of Alcoholâ€™s Reinforcing and Motivational Properties by the Positive Allosteric Modulator of the GABA _B Receptor, BHF177, in Alcohol-Preferring Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2009, 33, 1749-1756.	2.4	62
40	Syntheses and optimization of new GS39783 analogues as positive allosteric modulators of GABAB receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6206-6211.	2.2	61
41	GABAB Receptor-Positive Modulation Decreases Selective Molecular and Behavioral Effects of Cocaine. <i>Neuropsychopharmacology</i> , 2007, 32, 388-398.	5.4	59
42	Independent maturation of the GABAB receptor subunits GABAB1 and GABAB2 during postnatal development in rodent brain. <i>Journal of Comparative Neurology</i> , 2004, 477, 235-252.	1.6	58
43	Point Mutations in the Transmembrane Region of GABAB2 Facilitate Activation by the Positive Modulator N,Nâ€™-Dicyclopentyl-2-methylsulfanyl-5-nitro-pyrimidine-4,6-diamine (GS39783) in the Absence of the GABAB1 Subunit. <i>Molecular Pharmacology</i> , 2006, 70, 2027-2036.	2.3	57
44	Structural States of ROR $\hat{\beta}$: X-ray Elucidation of Molecular Mechanisms and Binding Interactions for Natural and Synthetic Compounds. <i>ChemMedChem</i> , 2017, 12, 1014-1021.	3.2	56
45	Hyperdopaminergia and altered locomotor activity in GABAB1-deficient mice. <i>Journal of Neurochemistry</i> , 2006, 97, 979-991.	3.9	54
46	Pharmacological inhibition of ROR $\hat{\beta}$ suppresses the Th17 pathway and alleviates arthritis in vivo. <i>PLoS ONE</i> , 2017, 12, e0188391.	2.5	54
47	GABAB(1) Receptor Isoforms Differentially Mediate the Acquisition and Extinction of Aversive Taste Memories. <i>Journal of Neuroscience</i> , 2006, 26, 8800-8803.	3.6	53
48	GABAB Receptor-Positive Modulation-Induced Blockade of the Rewarding Properties of Nicotine Is Associated with a Reduction in Nucleus Accumbens $\hat{\beta}$ FosB Accumulation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 172-177.	2.5	53
49	Mapping, genomic structure, and polymorphisms of the human GABA B R1 receptor gene: evaluation of its involvement in idiopathic generalized epilepsy. <i>Neurogenetics</i> , 1998, 2, 47-54.	1.4	52
50	Recognition molecule associated carbohydrate inhibits postsynaptic GABAB receptors: a mechanism for homeostatic regulation of GABA release in perisomatic synapses. <i>Molecular and Cellular Neurosciences</i> , 2003, 24, 271-282.	2.2	50
51	Structural basis of species-selective antagonist binding to the succinate receptor. <i>Nature</i> , 2019, 574, 581-585.	27.8	50
52	Specific roles of GABAB(1) receptor isoforms in cognition. <i>Behavioural Brain Research</i> , 2007, 181, 158-162.	2.2	49
53	The RXR-Type Endoplasmic Reticulum-Retention/Retrieval Signal of GABAB1 Requires Distant Spacing from the Membrane to Function. <i>Molecular Pharmacology</i> , 2005, 68, 137-144.	2.3	48
54	Retinoic-acid-orphan-receptor-C inhibition suppresses Th17 cells and induces thymic aberrations. <i>JCI Insight</i> , 2017, 2, e91127.	5.0	46

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55	Altered response to benzodiazepine anxiolytics in mice lacking GABAB(1) receptors. <i>European Journal of Pharmacology</i> , 2004, 497, 119-120.	3.5	44
56	Roles of GABAB receptor subtypes in presynaptic auto- and heteroreceptor function regulating GABA and glutamate release. <i>Journal of Neural Transmission</i> , 2008, 115, 1401-1411.	2.8	44
57	The gene for the cell adhesion molecule m-cadherin maps to mouse chromosome 8 and human chromosome 16q24.1-qter and is near the e-cadherin (uvomorulin) locus in both species. <i>Genomics</i> , 1992, 14, 488-490.	2.9	38
58	Subtype-selective Interaction with the Transcription Factor CCAAT/Enhancer-binding Protein (C/EBP) Homologous Protein (CHOP) Regulates Cell Surface Expression of GABAB Receptors. <i>Journal of Biological Chemistry</i> , 2005, 280, 33566-33572.	3.4	34
59	The Sushi Domains of Secreted GABAB1 Isoforms Selectively Impair GABAB Heteroreceptor Function. <i>Journal of Biological Chemistry</i> , 2008, 283, 31005-31011.	3.4	34
60	Synthesis and Biological Evaluation of New Triazolo- and Imidazolopyridine ROR β Inverse Agonists. <i>ChemMedChem</i> , 2016, 11, 2640-2648.	3.2	26
61	Antagonizing Retinoic Acid-Related-Orphan Receptor Gamma Activity Blocks the T Helper 17/Interleukin-17 Pathway Leading to Attenuated Pro-inflammatory Human Keratinocyte and Skin Responses. <i>Frontiers in Immunology</i> , 2019, 10, 577.	4.8	26
62	Selected amino acids, dipeptides and arylalkylamine derivatives do not act as allosteric modulators at GABAB receptors. <i>European Journal of Pharmacology</i> , 2004, 483, 147-153.	3.5	25
63	Both GABAB receptor activation and blockade exacerbated anhedonic aspects of nicotine withdrawal in rats. <i>European Journal of Pharmacology</i> , 2011, 655, 52-58.	3.5	24
64	GABAB(1) Receptor Subunit Isoforms Exert a Differential Influence on Baseline but Not GABAB Receptor Agonist-Induced Changes in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 1317-1326.	2.5	23
65	Optimizing a Weakly Binding Fragment into a Potent ROR β Inverse Agonist with Efficacy in an in Vivo Inflammation Model. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 6724-6735.	6.4	22
66	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.. <i>Neuropharmacology</i> , 1999, 38, 1641-1646.	4.1	20
67	Altered hippocampal expression of calbindin-D-28k and calretinin in GABAB(1)-deficient mice. <i>Biochemical Pharmacology</i> , 2004, 68, 1613-1620.	4.4	20
68	Chemical genetic approach identifies microtubule affinity-regulating kinase 1 as a leucine-rich repeat kinase 2 substrate. <i>FASEB Journal</i> , 2015, 29, 2980-2992.	0.5	19
69	Chromosomal Localization and Genomic Cloning of the Mouse β -Tropomyosin Gene Tpm-1. <i>Genomics</i> , 1993, 17, 519-521.	2.9	18
70	Ligands for expression cloning and isolation of GABAB receptors. <i>Il Farmaco</i> , 2003, 58, 173-183.	0.9	18
71	The Gene for Ciliary Neurotrophic Factor (CNTF) Maps to Murine Chromosome 19 and its Expression is Not Affected in the Hereditary Motoneuron Disease 'Wobbler' of the Mouse. <i>European Journal of Neuroscience</i> , 1991, 3, 1182-1186.	2.6	15
72	Determination of the minimal functional ligand-binding domain of the GABAB(1b) receptor. <i>Biochemical Journal</i> , 2005, 386, 423-431.	3.7	15

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73	Structure-Based and Property-Driven Optimization of <i>N</i> -Aryl Imidazoles toward Potent and Selective Oral ROR γ t Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 10816-10832.	6.4	15
74	Discovery and Optimization of Novel SUCNR1 Inhibitors: Design of Zwitterionic Derivatives with a Salt Bridge for the Improvement of Oral Exposure. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9856-9875.	6.4	15
75	The mouse homolog to the ras-related yeast gene YPT1 maps on Chromosome 11 close to the wobbler (wr) locus. <i>Mammalian Genome</i> , 1992, 3, 467-468.	2.2	10
76	Exploring the mammalian neuromuscular system by analysis of mutations: Spinal muscular atrophy and myotonia. <i>Progress in Neurobiology</i> , 1994, 42, 313-317.	5.7	10
77	Differential roles of GABAB1 subunit isoforms on locomotor responses to acute and repeated administration of cocaine. <i>Behavioural Brain Research</i> , 2016, 298, 12-16.	2.2	10
78	Blunted 5-HT1A receptor-mediated responses and antidepressant-like behavior in mice lacking the GABAB1a but not GABAB1b subunit isoforms. <i>Psychopharmacology</i> , 2017, 234, 1511-1523.	3.1	9
79	Exploring subtype selectivity and metabolic stability of a novel series of ligands for the benzodiazepine binding site of the GABAA receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1523-1526.	2.2	5
80	Ligands for expression cloning and isolation of GABAB receptors. <i>Il Farmaco</i> , 2001, 56, 101-105.	0.9	4
81	Heteromerization of GABA _B Receptors: A New Principle for G Protein-Coupled Receptors. Satellite Symposium to the 28 th Annual Meeting of the Society for Neuroscience Los Angeles, CA, November 5-7, 1998. <i>CNS Neuroscience & Therapeutics</i> , 1998, 4, 376-379.	4.0	3
82	PET Imaging of T Cells: Target Identification and Feasibility Assessment. <i>ChemMedChem</i> , 2018, 13, 1566-1579.	3.2	1
83	Processing of GABABR1 in Heterologous Expression Systems. <i>Annals of the New York Academy of Sciences</i> , 1999, 868, 689-692.	3.8	0