Klemens Kaupmann

List of Publications by Year
in descending order

83 papers	11,372 citations	41258 49 h-index	56606 83 g-index
86 all docs	86 docs citations	86 times ranked	9188 citing authors

#	Article	IF	Citations
1	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G proteinâ€coupled receptors. British Journal of Pharmacology, 2021, 178, S27-S156.	2.7	337
2	Discovery and Optimization of Novel SUCNR1 Inhibitors: Design of Zwitterionic Derivatives with a Salt Bridge for the Improvement of Oral Exposure. Journal of Medicinal Chemistry, 2020, 63, 9856-9875.	2.9	15
3	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G proteinâ€coupled receptors. British Journal of Pharmacology, 2019, 176, S21-S141.	2.7	519
4	Structure-Based and Property-Driven Optimization of <i>N</i>-Aryl Imidazoles toward Potent and Selective Oral RORÎ³t Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 10816-10832.	2.9	15
5	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. Frontiers in Immunology, 2019, 10, 577.	2.2	26
6	Structural basis of species-selective antagonist binding to the succinate receptor. Nature, 2019, 574, 581-585.	13.7	50
7	Optimizing a Weakly Binding Fragment into a Potent RORÎ³t Inverse Agonist with Efficacy in an in Vivo Inflammation Model. Journal of Medicinal Chemistry, 2018, 61, 6724-6735.	2.9	22
8	PET Imaging of T Cells: Target Identification and Feasibility Assessment. ChemMedChem, 2018, 13, 1566-1579.	1.6	1
9	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
10	Structural States of RORÎ³t: Xâ€ray Elucidation of Molecular Mechanisms and Binding Interactions for Natural and Synthetic Compounds. ChemMedChem, 2017, 12, 1014-1021.	1.6	56
11	Retinoic-acid-orphan-receptor-C inhibition suppresses Th17 cells and induces thymic aberrations. JCI Insight, 2017, 2, e91127.	2.3	46
12	Pharmacological inhibition of RORÎ³t suppresses the Th17 pathway and alleviates arthritis in vivo. PLoS ONE, 2017, 12, e0188391.	1.1	54
13	Synthesis and Biological Evaluation of New Triazoloâ€•and Imidazolopyridine RORÎ³t Inverse Agonists. ChemMedChem, 2016, 11, 2640-2648.	1.6	26
14	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
15	Chemical genetic approach identifies microtubule affinityâ€regulating kinase 1 as a leucineâ€rich repeat kinase 2 substrate. FASEB Journal, 2015, 29, 2980-2992.	0.2	19
16	Blocking Metabotropic Glutamate Receptor Subtype 7 (mGlu7) via the Venus Flytrap Domain (VFTD) Inhibits Amygdala Plasticity, Stress, and Anxiety-related Behavior. Journal of Biological Chemistry, 2014, 289, 10975-10987.	1.6	63
17	A Screen for Enhancers of Clearance Identifies Huntingtin as a Heat Shock Protein 90 (Hsp90) Client Protein. Journal of Biological Chemistry, 2012, 287, 1406-1414.	1.6	84
18	Both GABAB receptor activation and blockade exacerbated anhedonic aspects of nicotine withdrawal in rats. European Journal of Pharmacology, 2011, 655, 52-58.	1.7	24

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19	Exploring subtype selectivity and metabolic stability of a novel series of ligands for the benzodiazepine binding site of the GABAA receptor. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1523-1526.	1.0	5
20	LRRK2 protein levels are determined by kinase function and are crucial for kidney and lung homeostasis in mice. Human Molecular Genetics, 2011, 20, 4209-4223.	1.4	320
21	Reduction of Alcoholâ€™s Reinforcing and Motivational Properties by the Positive Allosteric Modulator of the GABA_B Receptor, BHF177, in Alcoholâ€Preferring Rats. Alcoholism: Clinical and Experimental Research, 2009, 33, 1749-1756.	1.4	62
22	Roles of GABAB receptor subtypes in presynaptic auto- and heteroreceptor function regulating GABA and glutamate release. Journal of Neural Transmission, 2008, 115, 1401-1411.	1.4	44
23	The Sushi Domains of Secreted GABAB1 Isoforms Selectively Impair GABAB Heteroreceptor Function. Journal of Biological Chemistry, 2008, 283, 31005-31011.	1.6	34
24	Positive Modulation of GABA_B Receptors Decreased Nicotine Self-Administration and Counteracted Nicotine-Induced Enhancement of Brain Reward Function in Rats. Journal of Pharmacology and Experimental Therapeutics, 2008, 326, 306-314.	1.3	84
25	Metabotropic Glutamate 2/3 Receptors in the Ventral Tegmental Area and the Nucleus Accumbens Shell Are Involved in Behaviors Relating to Nicotine Dependence. Journal of Neuroscience, 2007, 27, 9077-9085.	1.7	177
26	GABAB Receptor-Positive Modulation Decreases Selective Molecular and Behavioral Effects of Cocaine. Neuropsychopharmacology, 2007, 32, 388-398.	2.8	59
27	GABAB Receptor-Positive Modulation-Induced Blockade of the Rewarding Properties of Nicotine Is Associated with a Reduction in Nucleus Accumbens Î”FosB Accumulation. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 172-177.	1.3	53
28	Specific roles of GABAB(1) receptor isoforms in cognition. Behavioural Brain Research, 2007, 181, 158-162.	1.2	49
29	Syntheses and optimization of new GS39783 analogues as positive allosteric modulators of GABAB receptors. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 6206-6211.	1.0	61
30	Behavioral evaluation of mice deficient in GABAB(1) receptor isoforms in tests of unconditioned anxiety. Psychopharmacology, 2007, 190, 541-553.	1.5	70
31	Differential Compartmentalization and Distinct Functions of GABAB Receptor Variants. Neuron, 2006, 50, 589-601.	3.8	289
32	Hyperdopaminergia and altered locomotor activity in GABAB1-deficient mice. Journal of Neurochemistry, 2006, 97, 979-991.	2.1	54
33	Generalization of amygdala LTP and conditioned fear in the absence of presynaptic inhibition. Nature Neuroscience, 2006, 9, 1028-1035.	7.1	181
34	GABAB(1) Receptor Isoforms Differentially Mediate the Acquisition and Extinction of Aversive Taste Memories. Journal of Neuroscience, 2006, 26, 8800-8803.	1.7	53
35	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
36	Point Mutations in the Transmembrane Region of GABAB2 Facilitate Activation by the Positive Modulator N,Nâ€²-Dicyclopentyl-2-methylsulfanyl-5-nitro-pyrimidine-4,6-diamine (GS39783) in the Absence of the GABAB1 Subunit. Molecular Pharmacology, 2006, 70, 2027-2036.	1.0	57

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37	Altered anxiety and depression-related behaviour in mice lacking GABAB(2) receptor subunits. NeuroReport, 2005, 16, 307-310.	0.6	127
38	Determination of the minimal functional ligand-binding domain of the GABAB(1b) receptor. Biochemical Journal, 2005, 386, 423-431.	1.7	15
39	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
40	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
41	Don't worry â€˜Bâ€™ happy!: a role for GABAB receptors in anxiety and depression. Trends in Pharmacological Sciences, 2005, 26, 36-43.	4.0	385
42	Genetic and Pharmacological Evidence of a Role for GABAB Receptors in the Modulation of Anxiety- and Antidepressant-Like Behavior. Neuropsychopharmacology, 2004, 29, 1050-1062.	2.8	314
43	Molecular Structure and Physiological Functions of GABAB Receptors. Physiological Reviews, 2004, 84, 835-867.	13.1	781
44	Redistribution of GABAB(1) Protein and Atypical GABAB Responses in GABAB(2)-Deficient Mice. Journal of Neuroscience, 2004, 24, 6086-6097.	1.7	213
45	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
46	Selected amino acids, dipeptides and arylalkylamine derivatives do not act as allosteric modulators at GABAB receptors. European Journal of Pharmacology, 2004, 483, 147-153.	1.7	25
47	Altered response to benzodiazepine anxiolytics in mice lacking GABAB(1) receptors. European Journal of Pharmacology, 2004, 497, 119-120.	1.7	44
48	Altered hippocampal expression of calbindin-D-28k and calretinin in GABAB(1)-deficient mice. Biochemical Pharmacology, 2004, 68, 1613-1620.	2.0	20
49	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
50	Ligands for expression cloning and isolation of GABAB receptors. Il Farmaco, 2003, 58, 173-183.	0.9	18
51	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
52	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
53	N,Nâ€²-Dicyclopentyl-2-methylsulfanyl-5-nitro-pyrimidine-4,6-diamine (GS39783) and Structurally Related Compounds: Novel Allosteric Enhancers of Î³-Aminobutyric AcidB Receptor Function. Journal of Pharmacology and Experimental Therapeutics, 2003, 307, 322-330.	1.3	185
54	Nogo-A Inhibits Neurite Outgrowth and Cell Spreading with Three Discrete Regions. Journal of Neuroscience, 2003, 23, 5393-5406.	1.7	377

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55	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
56	C-Terminal Interaction Is Essential for Surface Trafficking But Not for Heteromeric Assembly of GABA_BReceptors. Journal of Neuroscience, 2001, 21, 1189-1202.	1.7	292
57	Positive Allosteric Modulation of Native and Recombinant Î³-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. Molecular Pharmacology, 2001, 60, 963-971.	1.0	245
58	Ligands for expression cloning and isolation of GABAB receptors. Il Farmaco, 2001, 56, 101-105.	0.9	4
59	Ca²⁺ Requirement for High-Affinity Î³-Aminobutyric Acid (GABA) Binding at GABA_B Receptors: Involvement of Serine 269 of the GABA_BR1 Subunit. Molecular Pharmacology, 2000, 57, 419-426.	1.0	137
60	The N-Terminal Domain of Î³-Aminobutyric Acid_BReceptors Is Sufficient to Specify Agonist and Antagonist Binding. Molecular Pharmacology, 1999, 56, 448-454.	1.0	109
61	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
62	Alternative splicing generates a novel isoform of the rat metabotropic GABABR1 receptor. European Journal of Neuroscience, 1999, 11, 2874-2882.	1.2	78
63	Processing of GABABR1 in Heterologous Expression Systems. Annals of the New York Academy of Sciences, 1999, 868, 689-692.	1.8	0
64	Spatial distribution of GABABR1 receptor mRNA and binding sites in the rat brain. Journal of Comparative Neurology, 1999, 412, 1-16.	0.9	180
65	GABAB receptors â€“ the first 7TM heterodimers. Trends in Pharmacological Sciences, 1999, 20, 396-399.	4.0	324
66	Î³-Hydroxybutyrate is a weak agonist at recombinant GABAB receptors. Neuropharmacology, 1999, 38, 1667-1673.	2.0	184
67	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
68	The heteromeric GABA-B receptor recognizes G-protein Î± subunit C-termini. Neuropharmacology, 1999, 38, 1657-1666.	2.0	63
69	GABAB-receptor subtypes assemble into functional heteromeric complexes. Nature, 1998, 396, 683-687.	13.7	1,092
70	Heteromerization of GABA_B Receptors: A New Principle for G Proteinâ€Coupled Receptors. Satellite Symposium to the 28th Annual Meeting of the Society for Neuroscience Los Angeles, CA, November 5â€“7, 1998. CNS Neuroscience & Therapeutics, 1998, 4, 376-379.	4.0	3
71	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
72	Developmental Changes of Agonist Affinity at GABABR1 Receptor Variants in Rat Brain. Molecular and Cellular Neurosciences, 1998, 12, 56-64.	1.0	87

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73	GABAB receptors: drugs meet clones. Current Opinion in Neurobiology, 1998, 8, 345-350.	2.0	147
74	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
75	Expression cloning of GABAB receptors uncovers similarity to metabotropic glutamate receptors. Nature, 1997, 386, 239-246.	13.7	953
76	Molecular Pharmacology of Somatostatin-receptor Subtypes. Annals of the New York Academy of Sciences, 1994, 733, 138-146.	1.8	147
77	Exploring the mammalian neuromuscular system by analysis of mutations: Spinal muscular atrophy and myotonia. Progress in Neurobiology, 1994, 42, 313-317.	2.8	10
78	Distribution and second messenger coupling of four somatostatin receptor subtypes expressed in brain. FEBS Letters, 1993, 331, 53-59.	1.3	109
79	Chromosomal Localization and Genomic Cloning of the Mouse Î±-Tropomyosin Gene Tpm-1. Genomics, 1993, 17, 519-521.	1.3	18
80	Wobbler, a mutation affecting motoneuron survival and gonadal functions in the mouse, maps to proximal chromosome 11. Genomics, 1992, 13, 39-43.	1.3	89
81	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. Genomics, 1992, 14, 488-490.	1.3	38
82	The mouse homolog to the ras-related yeast gene YPT1 maps on Chromosome 11 close to the wobbler (wr) locus. Mammalian Genome, 1992, 3, 467-468.	1.0	10
83	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. European Journal of Neuroscience, 1991, 3, 1182-1186.	1.2	15