Hartmut LÃ¼ddens

List of Publications by Year
in descending order

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52	3,889	236833	206029
papers	citations	25 h-index	48 g-index

54	54	54	3108
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cerebellar GABAA receptor selective for a behavioural alcohol antagonist. Nature, 1990, 346, 648-651.	13.7	562
2	The diversity of GABAA receptors. Molecular Neurobiology, 1998, 18, 35-86.	1.9	446
3	Drug interactions at GABAA receptors. Progress in Neurobiology, 2002, 67, 113-159.	2.8	445
4	Function and pharmacology of multiple GABAA receptor subunits. Trends in Pharmacological Sciences, 1991, 12, 49-51.	4.0	280
5	NMDA receptor channels: Subunit-specific potentiation by reducing agents. Neuron, 1994, 12, 1031-1040.	3.8	246
6	Cloning, pharmacological characteristics and expression pattern of the rat GABAA receptor Î±4 subunit. FEBS Letters, 1991, 289, 227-230.	1.3	241
7	Biological function of GABAA/benzodiazepine receptor heterogeneity. Journal of Psychiatric Research, 1995, 29, 77-94.	1.5	133
8	A53T-Alpha-Synuclein Overexpression Impairs Dopamine Signaling and Striatal Synaptic Plasticity in Old Mice. PLoS ONE, 2010, 5, e11464.	1.1	119
9	Oxytocin Regulates Neurosteroid Modulation of GABAAReceptors in Supraoptic Nucleus around Parturition. Journal of Neuroscience, 2003, 23, 788-797.	1.7	117
10	Expression patterns of GABAA receptor subtypes in developing hippocampal neurons. Neuron, 1991, 7, 927-936.	3.8	116
11	Zaleplon displays a selectivity to recombinant GABAA receptors different from zolipdem, zopiclone and benzodiazepines. Neuroscience Research Communications, 1999, 25, 139-148.	0.2	107
12	Ketamine, But Not Phencyclidine, Selectively Modulates Cerebellar GABA_AReceptors Containing Î±6 and Î´ Subunits. Journal of Neuroscience, 2008, 28, 5383-5393.	1.7	91
13	GABA_A-receptor Subtypes: Clinical Efficacy and Selectivity of Benzodiazepine Site Ligands. Annals of Medicine, 1997, 29, 275-282.	1.5	86
14	Does ethanol act preferentially via selected brain GABAA receptor subtypes? the current evidence is ambiguous. Alcohol, 2007, 41, 163-176.	0.8	81
15	Early life stress is a risk factor for excessive alcohol drinking and impulsivity in adults and is mediated via a CRF/GABA_A mechanism. Stress, 2016, 19, 235-247.	0.8	74
16	Furosemide interactions with brain GABAA receptors. British Journal of Pharmacology, 1997, 120, 741-748.	2.7	71
17	Nonacidic Farnesoid X Receptor Modulators. Journal of Medicinal Chemistry, 2017, 60, 7199-7205.	2.9	61
18	Four Amino Acids in the Î± Subunits Determine the Î³-Aminobutyric Acid Sensitivities of GABAA Receptor Subtypes. Journal of Biological Chemistry, 2004, 279, 35193-35200.	1.6	48

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19	[18 F]Fluoroethylflumazenil: a novel tracer for PET imaging of human benzodiazepine receptors. European Journal of Nuclear Medicine and Molecular Imaging, 2001, 28, 1463-1470.	3.3	46
20	Receptor Subtype-Dependent Positive and Negative Modulation of GABAA Receptor Function by Niflumic Acid, a Nonsteroidal Anti-Inflammatory Drug. Molecular Pharmacology, 2003, 64, 753-763.	1.0	43
21	Synthesis of GABA_AReceptor Agonists and Evaluation of their Î±-Subunit Selectivity and Orientation in the GABA Binding Site. Journal of Medicinal Chemistry, 2008, 51, 4430-4448.	2.9	37
22	Total synthesis and evaluation of [18F]MHMZ. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1515-1519.	1.0	33
23	Enhanced behavioral sensitivity to the competitive GABA agonist, gaboxadol, in transgenic mice over-expressing hippocampal extrasynaptic Î±6Î² GABAAreceptors. Journal of Neurochemistry, 2008, 105, 338-350.	2.1	31
24	The Inhibitory Neural Circuitry as Target of Antiepileptic Drugs. Current Medicinal Chemistry, 2001, 8, 1257-1274.	1.2	27
25	Ro 15-4513 Antagonizes Alcohol-Induced Sedation in Mice Through Î±Î²Î³2-type GABAA Receptors. Frontiers in Neuroscience, 2011, 5, 3.	1.4	26
26	Preliminary in vivo and ex vivo evaluation of the 5-HT2A imaging probe [18F]MH.MZ. Nuclear Medicine and Biology, 2009, 36, 447-454.	0.3	25
27	Magnesium potentiation of the function of native and recombinant GABAA receptors. NeuroReport, 2001, 12, 2175-2179.	0.6	24
28	Assembly of functional Î±6Î²3Î³2Î´ GABAA receptors in vitro. NeuroReport, 2000, 11, 4103-4106.	0.6	23
29	The novel anxiolytic ELB139 displays selectivity to recombinant GABAA receptors different from diazepam. Neuropharmacology, 2007, 52, 796-801.	2.0	23
30	18F-Labeling and evaluation of novel MDL 100907 derivatives as potential 5-HT2A antagonists for molecular imaging. Nuclear Medicine and Biology, 2010, 37, 487-495.	0.3	23
31	Structureâ€“Function Evaluation of Imidazopyridine Derivatives Selective for Î´-Subunit-Containing Î³-Aminobutyric Acid Type A (GABAA) Receptors. Journal of Medicinal Chemistry, 2018, 61, 1951-1968.	2.9	21
32	Autoradiographic imaging of altered synaptic Î±Î²Î³2 and extrasynaptic Î±Î² GABAA receptors in a genetic mouse model of anxiety. Neurochemistry International, 2004, 44, 539-547.	1.9	19
33	GABAA antagonists reveal binding sites for [35S]TBPS in cerebellar granular cell layer. European Journal of Pharmacology, 1992, 211, 427-428.	1.7	16
34	Synthesis and evaluation of 5,7-dichloro-4-(3-{4-[4-(2-[18F]fluoroethyl)-piperazin-1-yl]-phenyl}-ureido)-1,2,3,4-tetrahydroquinoline-2-carboxylic acid as a potential NMDA ligand to study glutamatergic neurotransmission in vivo. Journal of Labelled Compounds and Radiopharmaceuticals, 2003, 46, 645-659.	0.5	16
35	Selective binding to monoamine oxidase A: In vitro and in vivo evaluation of 18F-labeled Î²-carboline derivatives. Bioorganic and Medicinal Chemistry, 2015, 23, 612-623.	1.4	15
36	Effects of clozapine metabolites and chronic clozapine treatment on rat brain GABAA receptors. European Journal of Pharmacology, 1996, 314, 319-323.	1.7	14

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37	GabaA Receptors: Pharmacology, Behavioral Roles, and Motor Disorders. Neuroscientist, 1996, 2, 15-23.	2.6	14
38	Proteomic identification of the heterogeneous nuclear ribonucleoprotein K as irradiation responsive protein related to migration. Journal of Proteomics, 2015, 113, 154-161.	1.2	13
39	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
40	INCREASED CEREBELLAR PET GLUCOSE METABOLISM CORRESPONDS TO ATAXIA IN WERNICKE-KORSAKOFF SYNDROME. Alcohol and Alcoholism, 2004, 39, 150-153.	0.9	12
41	Organotypic rat cerebellar slice culture as a model to analyze the molecular pharmacology of GABAA receptors. European Neuropsychopharmacology, 2002, 12, 201-208.	0.3	10
42	Characterization of the Porcine ACTH Receptor with the Aid of a Monoclonal Antibody. Biological Chemistry Hoppe-Seyler, 1986, 367, 539-548.	1.4	7
43	Methods for Transient Expression of Hetero-Oligomeric Ligand-Gated Ion Channels. , 1997, 83, 55-64.		7
44	Synthesis and Pharmacological Evaluation of [¹¹C]4-Methoxy-N-[2-(thiophen-2-yl)imidazo[1,2-a]pyridin-3-yl]benzamide as a Brain Penetrant PET Ligand Selective for the Î´-Subunit-Containing Î³-Aminobutyric Acid Type A Receptors. ACS Omega, 2019, 4, 8846-8851.	1.6	7
45	Actions of two GABAA receptor benzodiazepine-site ligands that are mediated via non-Î²2-dependent modulation. European Journal of Pharmacology, 2011, 666, 111-121.	1.7	6
46	Increased Motor-Impairing Effects of the Neuroactive Steroid Pregnanolone in Mice with Targeted Inactivation of the GABAA Receptor Î²2 Subunit in the Cerebellum. Frontiers in Pharmacology, 2016, 7, 403.	1.6	6
47	Multiple actions of fenamates and other nonsteroidal anti-inflammatory drugs on GABAA receptors. European Journal of Pharmacology, 2019, 853, 247-255.	1.7	4
48	Synthesis of tritium labeled (ï¿½)-1-[2(triphenylmethoxy)ethyl]-3-piperidinecarboxylic acid: a possible compound to determine the efficacy of potential GABA transporter substancesin vitro. Journal of Labelled Compounds and Radiopharmaceuticals, 2000, 43, 1127-1134.	0.5	2
49	Evidence for a Reduction of Coupling between GABAA Receptor Agonist and Ionophore Binding Sites by Inorganic Phosphate. Neurochemical Research, 2005, 30, 1471-1482.	1.6	2
50	Abstract 3872: Genotoxicity of zinc oxid nanoparticles and the activation of ATM-Chk2 DNA-damage-response pathway are caused by zinc-ions. , 2015, , .		1
51	Neurotransmitter und Modulatoren. , 2008, , 149-199.		0
52	Anxiolytika und Hypnotika. , 2008, , 627-641.		0