

Petra Scholze

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

1,272
citations

19
h-index

35
g-index

61
ext. papers

1,482
ext. citations

5
avg, IF

3.92
L-index

#	Paper	IF	Citations
52	A Benzodiazepine Ligand with Improved GABA Receptor 5-Subunit Selectivity Driven by Interactions with Loop C. <i>Molecular Pharmacology</i> , 2021 , 99, 39-48	4.3	0
51	Silencing of spontaneous activity at $\alpha 1/3$ GABA receptors in hippocampal granule cells reveals different ligand pharmacology. <i>British Journal of Pharmacology</i> , 2020 , 177, 3975-3990	8.6	8
50	Acute nicotine administration stimulates ciliary activity via $\beta 4$ nAChR in the mouse trachea. <i>International Immunopharmacology</i> , 2020 , 84, 106496	5.8	4
49	GABA Receptor Ligands Often Interact with Binding Sites in the Transmembrane Domain and in the Extracellular Domain-Can the Promiscuity Code Be Cracked?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
48	Coronaridine congeners potentiate GABA receptors and induce sedative activity in mice in a benzodiazepine-insensitive manner. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020 , 101, 109930	5.5	3
47	Allosteric Modulation of GABA Receptors in Rat Basolateral Amygdala Blocks Stress-Enhanced Reacquisition of Nicotine Self-Administration. <i>ACS Pharmacology and Translational Science</i> , 2020 , 3, 1158-1164	5.9	164
46	Allosteric Modulation of GABAA Receptors in Rat Basolateral Amygdala Blocks Stress-Enhanced Reacquisition of Nicotine Self-Administration. <i>ACS Pharmacology and Translational Science</i> , 2020 , 3, 1158-1164	5.9	164
45	Imaging and Electrophysiology of Individual Neurites Functionally Isolated in Microchannels. <i>Neuromethods</i> , 2020 , 341-377	0.4	
44	A novel de novo variant of GABRA1 causes increased sensitivity for GABA in vitro. <i>Scientific Reports</i> , 2020 , 10, 2379	4.9	5
43	Two Distinct Populations of $\alpha 6$ -Containing GABAA-Receptors in Rat Cerebellum. <i>Frontiers in Synaptic Neuroscience</i> , 2020 , 12, 591129	3.5	6
42	Nicotine stimulates ion transport via metabotropic $\alpha 7$ subunit containing nicotinic ACh receptors. <i>British Journal of Pharmacology</i> , 2020 , 177, 5595-5608	8.6	2
41	The β Nicotinic Acetylcholine Receptor Subunit Differentially Modulates $\alpha 4$ and $\alpha 6$ Receptors. <i>Frontiers in Synaptic Neuroscience</i> , 2020 , 12, 607959	3.5	5
40	Induction of aquaporin 4-reactive antibodies in Lewis rats immunized with aquaporin 4 mimotopes. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 49	7.3	3
39	Novel Benzodiazepine-Like Ligands with Various Anxiolytic, Antidepressant, or Pro-Cognitive Profiles. <i>Molecular Neuropsychiatry</i> , 2019 , 5, 84-97	4.9	35
38	The role of the nAChR subunits $\beta 1$, $\beta 2$, and $\beta 3$ on synaptic transmission in the mouse superior cervical ganglion. <i>Physiological Reports</i> , 2019 , 7, e14023	2.6	6
37	A photoswitchable GABA receptor channel blocker. <i>British Journal of Pharmacology</i> , 2019 , 176, 2661-2678	7.6	10
36	Trigeminal neuropathic pain development and maintenance in rats are suppressed by a positive modulator of β GABA receptors. <i>European Journal of Pain</i> , 2019 , 23, 973-984	3.7	18

35	Disturbed neurotransmitter homeostasis in ether lipid deficiency. <i>Human Molecular Genetics</i> , 2019 , 28, 2046-2061	5.6	24
34	Engineered Flumazenil Recognition Site Provides Mechanistic Insight Governing Benzodiazepine Modulation in GABA Receptors. <i>ACS Chemical Biology</i> , 2018 , 13, 2040-2047	4.9	7
33	SAR-Guided Scoring Function and Mutational Validation Reveal the Binding Mode of CGS-8216 at the $\alpha 1/\alpha 2$ - Benzodiazepine Site. <i>Journal of Chemical Information and Modeling</i> , 2018 , 58, 1682-1696	6.1	3
32	Attaining in vivo selectivity of positive modulation of $\beta 2$ GABA receptors in rats: A hard task!. <i>European Neuropsychopharmacology</i> , 2018 , 28, 903-914	1.2	3
31	Towards functional selectivity for $\beta 2\beta 3$ GABA receptors: a series of novel pyrazoloquinolinones. <i>British Journal of Pharmacology</i> , 2018 , 175, 419-428	8.6	18
30	A Human Polymorphism in CHRNA5 Is Linked to Relapse to Nicotine Seeking in Transgenic Rats. <i>Current Biology</i> , 2018 , 28, 3244-3253.e7	6.3	25
29	Detection Methods for Autoantibodies in Suspected Autoimmune Encephalitis. <i>Frontiers in Neurology</i> , 2018 , 9, 841	4.1	34
28	Different Benzodiazepines Bind with Distinct Binding Modes to GABA Receptors. <i>ACS Chemical Biology</i> , 2018 , 13, 2033-2039	4.9	12
27	Molecular tools for GABA receptors: High affinity ligands for $\alpha 1$ -containing subtypes. <i>Scientific Reports</i> , 2017 , 7, 5674	4.9	19
26	Ester to amide substitution improves selectivity, efficacy and kinetic behavior of a benzodiazepine positive modulator of GABA receptors containing the β subunit. <i>European Journal of Pharmacology</i> , 2016 , 791, 433-443	5.3	18
25	Nicotinic acetylcholine receptors modulate osteoclastogenesis. <i>Arthritis Research and Therapy</i> , 2016 , 18, 63	5.7	19
24	Role of β -containing nicotinic receptors in neuropathic pain and response to nicotine. <i>Neuropharmacology</i> , 2015 , 95, 37-49	5.5	6
23	Investigation of neurotrophic factor concentrations with a novel in vitro concept for peripheral nerve regeneration. <i>Journal of Neuroscience Research</i> , 2015 , 93, 1631-40	4.4	7
22	Unexpected Properties of $\alpha 1$ -Containing GABAA Receptors in Response to Ligands Interacting with the $\alpha 2$ Site. <i>Neurochemical Research</i> , 2014 , 39, 1057-1067	4.6	11
21	Nicotinic acetylcholine receptors control acetylcholine and noradrenaline release in the rodent habenulo-interpeduncular complex. <i>British Journal of Pharmacology</i> , 2014 , 171, 5209-24	8.6	18
20	Comparing the high affinity benzodiazepine binding site with the homologous CGS 9895 site in GABA-A receptors (1059.1). <i>FASEB Journal</i> , 2014 , 28, 1059.1	0.9	
19	Exploring the polyamine regulatory site of the NMDA receptor: a parallel synthesis approach. <i>ChemMedChem</i> , 2013 , 8, 82-94	3.7	6
18	Single-channel properties of $\beta 2$, $\beta 2\beta 3$ and $\beta 2\alpha 2$ nicotinic acetylcholine receptors in mice lacking specific nicotinic acetylcholine receptor subunits. <i>Journal of Physiology</i> , 2013 , 591, 3271-88	3.9	13

17	Subunit composition of β -containing nicotinic receptors in the rodent habenula. <i>Journal of Neurochemistry</i> , 2012 , 121, 551-60	6	20
16	α 4 nicotinic acetylcholine receptors in the early postnatal mouse superior cervical ganglion. <i>Developmental Neurobiology</i> , 2011 , 71, 390-9	3.2	9
15	Biochemical and functional properties of distinct nicotinic acetylcholine receptors in the superior cervical ganglion of mice with targeted deletions of nAChR subunit genes. <i>European Journal of Neuroscience</i> , 2010 , 31, 978-93	3.5	47
14	Interaction of manganese with striatal dopamine turnover in human alpha-synuclein transgenic mice. <i>BMC Pharmacology</i> , 2010 , 10,		78
13	Nicotinic acetylcholine receptor-subunit mRNAs in the mouse superior cervical ganglion are regulated by development but not by deletion of distinct subunit genes. <i>Journal of Neuroscience Research</i> , 2008 , 86, 972-81	4.4	14
12	Amphetamines Take Two to Tango: an Oligomer-Based Counter-Transport Model of Neurotransmitter Transport Explores the Amphetamine Action. <i>Molecular Pharmacology</i> , 2005 , 67, 140-151	4.3	104
11	Serotonin-transporter mediated efflux: a pharmacological analysis of amphetamines and non-amphetamines. <i>Neuropharmacology</i> , 2005 , 49, 811-9	5.5	82
10	Two discontinuous segments in the carboxyl terminus are required for membrane targeting of the rat gamma-aminobutyric acid transporter-1 (GAT1). <i>Journal of Biological Chemistry</i> , 2004 , 279, 28553-63	5.4	64
9	The neuronal glycine transporter 2 interacts with the PDZ domain protein syntenin-1. <i>Molecular and Cellular Neurosciences</i> , 2004 , 26, 518-29	4.8	49
8	Bi-directional transport of GABA in human embryonic kidney (HEK-293) cells stably expressing the rat GABA transporter GAT-1. <i>British Journal of Pharmacology</i> , 2002 , 135, 93-102	8.6	21
7	Mutations within an intramembrane leucine heptad repeat disrupt oligomer formation of the rat GABA transporter 1. <i>Journal of Biological Chemistry</i> , 2002 , 277, 43682-90	5.4	94
6	The role of zinc ions in reverse transport mediated by monoamine transporters. <i>Journal of Biological Chemistry</i> , 2002 , 277, 21505-13	5.4	69
5	Oligomerization of the human serotonin transporter and of the rat GABA transporter 1 visualized by fluorescence resonance energy transfer microscopy in living cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 3805-10	5.4	152
4	Quantitative analysis of inward and outward transport rates in cells stably expressing the cloned human serotonin transporter: inconsistencies with the hypothesis of facilitated exchange diffusion. <i>Molecular Pharmacology</i> , 2001 , 59, 1129-37	4.3	61
3	Substantial loss of substrate by diffusion during uptake in HEK-293 cells expressing neurotransmitter transporters. <i>Neuroscience Letters</i> , 2001 , 309, 173-6	3.3	18
2	Dual mode of stimulation by the beta-carboline ZK 91085 of recombinant GABA(A) receptor currents: molecular determinants affecting its action. <i>British Journal of Pharmacology</i> , 1999 , 127, 1231-9	8.6	9
1	Affinity of various ligands for GABAA receptors containing alpha 4 beta 3 gamma 2, alpha 4 gamma 2, or alpha 1 beta 3 gamma 2 subunits. <i>European Journal of Pharmacology</i> , 1996 , 304, 155-62	5.3	25