

Miroslav M SaviÄ

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5714623/publications.pdf>

Version: 2024-02-01

74
papers

1,620
citations

236833

25
h-index

330025

37
g-index

78
all docs

78
docs citations

78
times ranked

1814
citing authors

#	ARTICLE	IF	CITATIONS
1	International Union of Basic and Clinical Pharmacology. CVI: GABA _A Receptor Subtype- and Function-selective Ligands: Key Issues in Translation to Humans. <i>Pharmacological Reviews</i> , 2018, 70, 836-878.	7.1	144
2	Are GABAA Receptors Containing $\hat{1}\pm 5$ Subunits Contributing to the Sedative Properties of Benzodiazepine Site Agonists?. <i>Neuropsychopharmacology</i> , 2008, 33, 332-339.	2.8	65
3	Parenteral nanoemulsions as promising carriers for brain delivery of risperidone: Design, characterization and in vivo pharmacokinetic evaluation. <i>International Journal of Pharmaceutics</i> , 2015, 493, 40-54.	2.6	61
4	Sex-Dependent Anti-Stress Effect of an $\hat{1}\pm 5$ Subunit Containing GABAA Receptor Positive Allosteric Modulator. <i>Frontiers in Pharmacology</i> , 2016, 7, 446.	1.6	60
5	PWZ-029, a compound with moderate inverse agonist functional selectivity at GABAA receptors containing $\hat{1}\pm 5$ subunits, improves passive, but not active, avoidance learning in rats. <i>Brain Research</i> , 2008, 1208, 150-159.	1.1	54
6	Novel Benzodiazepine-Like Ligands with Various Anxiolytic, Antidepressant, or Pro-Cognitive Profiles. <i>Molecular Neuropsychiatry</i> , 2019, 5, 84-97.	3.0	54
7	Memory Effects of Benzodiazepines: Memory Stages and Types Versus Binding-Site Subtypes. <i>Neural Plasticity</i> , 2005, 12, 289-298.	1.0	52
8	The differential role of $\hat{1}\pm 1$ - and $\hat{1}\pm 5$ -containing GABAA receptors in mediating diazepam effects on spontaneous locomotor activity and water-maze learning and memory in rats. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 1179.	1.0	48
9	From conventional towards new "natural surfactants in drug delivery systems design: current status and perspectives. <i>Expert Opinion on Drug Delivery</i> , 2010, 7, 353-369.	2.4	44
10	Bidirectional effects of benzodiazepine binding site ligands in the elevated plus-maze: differential antagonism by flumazenil and $\hat{1}^2$ -CCt. <i>Pharmacology Biochemistry and Behavior</i> , 2004, 79, 279-290.	1.3	43
11	Novel positive allosteric modulators of GABAA receptors: Do subtle differences in activity at $\hat{1}\pm 1$ plus $\hat{1}\pm 5$ versus $\hat{1}\pm 2$ plus $\hat{1}\pm 3$ subunits account for dissimilarities in behavioral effects in rats?. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2010, 34, 376-386.	2.5	43
12	Lipopolysaccharide exposure during late embryogenesis results in diminished locomotor activity and amphetamine response in females and spatial cognition impairment in males in adult, but not adolescent rat offspring. <i>Behavioural Brain Research</i> , 2016, 299, 72-80.	1.2	43
13	Experimental Design in Formulation of Diazepam Nanoemulsions: Physicochemical and Pharmacokinetic Performances. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 4159-4172.	1.6	42
14	Biocompatible microemulsions of a model NSAID for skin delivery: A decisive role of surfactants in skin penetration/irritation profiles and pharmacokinetic performance. <i>International Journal of Pharmaceutics</i> , 2015, 496, 931-941.	2.6	41
15	Natural surfactant-based topical vehicles for two model drugs: Influence of different lipophilic excipients on in vitro/in vivo skin performance. <i>International Journal of Pharmaceutics</i> , 2009, 381, 220-230.	2.6	40
16	PWZ-029, an inverse agonist selective for $\hat{1}\pm 5$ GABAA receptors, improves object recognition, but not water-maze memory in normal and scopolamine-treated rats. <i>Behavioural Brain Research</i> , 2013, 241, 206-213.	1.2	40
17	Design and Synthesis of Novel Deuterated Ligands Functionally Selective for the $\hat{1}^3$ -Aminobutyric Acid Type A Receptor (GABA _A R) $\hat{1}\pm 6$ Subtype with Improved Metabolic Stability and Enhanced Bioavailability. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2422-2446.	2.9	40
18	Parenteral nanoemulsions of risperidone for enhanced brain delivery in acute psychosis: Physicochemical and in vivo performances. <i>International Journal of Pharmaceutics</i> , 2017, 533, 421-430.	2.6	39

#	ARTICLE	IF	CITATIONS
19	Moisturizing emulsion systems based on the novel long-chain alkyl polyglucoside emulsifier. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 2045-2057.	2.0	38
20	A Review of the Updated Pharmacophore for the Alpha 5 GABA(A) Benzodiazepine Receptor Model. <i>International Journal of Medicinal Chemistry</i> , 2015, 2015, 1-54.	2.2	37
21	Vehicles based on a sugar surfactant: Colloidal structure and its impact on in vitro/in vivo hydrocortisone permeation. <i>International Journal of Pharmaceutics</i> , 2006, 320, 86-95.	2.6	36
22	Topical vehicles based on natural surfactant/fatty alcohols mixed emulsifier: The influence of two polyols on the colloidal structure and in vitro/in vivo skin performance. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 2073-2090.	1.6	35
23	The role of $\alpha 1$ and $\alpha 5$ subunit-containing GABAA receptors in motor impairment induced by benzodiazepines in rats. <i>Behavioural Pharmacology</i> , 2012, 23, 191-197.	0.8	33
24	Ester to amide substitution improves selectivity, efficacy and kinetic behavior of a benzodiazepine positive modulator of GABAA receptors containing the $\alpha 5$ subunit. <i>European Journal of Pharmacology</i> , 2016, 791, 433-443.	1.7	30
25	Bidirectional effects of benzodiazepine binding site ligands in the passive avoidance task: differential antagonism by flumazenil and β -CCt. <i>Behavioural Brain Research</i> , 2005, 158, 293-300.	1.2	27
26	Combined use of biocompatible nanoemulsions and solid microneedles to improve transport of a model NSAID across the skin: In vitro and in vivo studies. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 125, 110-119.	1.9	25
27	Trigeminal neuropathic pain development and maintenance in rats are suppressed by a positive modulator of $\alpha 6$ GABA _A receptors. <i>European Journal of Pain</i> , 2019, 23, 973-984.	1.4	24
28	Sucrose ester-based biocompatible microemulsions as vehicles for aceclofenac as a model drug: formulation approach using D-optimal mixture design. <i>Colloid and Polymer Science</i> , 2014, 292, 3061-3076.	1.0	21
29	Midazolam impairs acquisition and retrieval, but not consolidation of reference memory in the Morris water maze. <i>Behavioural Brain Research</i> , 2013, 241, 198-205.	1.2	20
30	Influence of the preparation procedure and chitosan type on physicochemical properties and release behavior of alginate-chitosan microparticles. <i>Drug Development and Industrial Pharmacy</i> , 2009, 35, 1092-1102.	0.9	19
31	Intraseptal vs. periodontal ligament anaesthesia for maxillary tooth extraction: quality of local anaesthesia and haemodynamic response. <i>Clinical Oral Investigations</i> , 2010, 14, 675-681.	1.4	19
32	Bidirectional effects of benzodiazepine binding site ligands on active avoidance acquisition and retention: differential antagonism by flumazenil and β -CCt. <i>Psychopharmacology</i> , 2005, 180, 455-465.	1.5	18
33	Sh-I-048A, an in vitro non-selective super-agonist at the benzodiazepine site of GABAA receptors: The approximated activation of receptor subtypes may explain behavioral effects. <i>Brain Research</i> , 2014, 1554, 36-48.	1.1	17
34	The influence of midazolam on active avoidance retrieval and acquisition rate in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2004, 77, 77-83.	1.3	16
35	Curcumin Loaded PEGylated Nanoemulsions Designed for Maintained Antioxidant Effects and Improved Bioavailability: A Pilot Study on Rats. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7991.	1.8	16
36	Positive modulation of $\alpha 5$ GABA _A receptors in preadolescence prevents reduced locomotor response to amphetamine in adult female but not male rats prenatally exposed to lipopolysaccharide. <i>International Journal of Developmental Neuroscience</i> , 2017, 61, 31-39.	0.7	15

#	ARTICLE	IF	CITATIONS
37	Preparation and Characterisation of Phenytoin-Loaded Alginate and Alginate-Chitosan Microparticles. <i>Drug Delivery</i> , 2007, 14, 483-490.	2.5	14
38	γ -6-Containing GABA _A Receptors: Functional Roles and Therapeutic Potentials. <i>Pharmacological Reviews</i> , 2022, 74, 238-270.	7.1	14
39	The Influence of Diazepam on Atropine Reversal of Behavioural Impairment in Dichlorvos-Treated Rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2003, 93, 211-218.	0.0	13
40	The influence of midazolam and flumazenil on rat brain slices oxygen consumption. <i>Pharmacological Research</i> , 2003, 47, 127-131.	3.1	13
41	Behavioural characterization of four endemic <i>Stachys</i> taxa. <i>Phytotherapy Research</i> , 2010, 24, 1309-1316.	2.8	11
42	Symptomatic and neurotrophic effects of GABA _A receptor positive allosteric modulation in a mouse model of chronic stress. <i>Neuropsychopharmacology</i> , 2022, 47, 1608-1619.	2.8	11
43	Benzodiazepine-induced spatial learning deficits in rats are regulated by the degree of modulation of γ -1 GABA _A receptors. <i>European Neuropsychopharmacology</i> , 2013, 23, 390-399.	0.3	10
44	γ -CCT, an antagonist selective for γ -1 GABA _A receptors, reverses diazepam withdrawal-induced anxiety in rats. <i>Brain Research Bulletin</i> , 2013, 91, 1-7.	1.4	10
45	Negative modulation of γ -5 GABA _A receptors in rats may partially prevent memory impairment induced by MK-801, but not amphetamine- or MK-801-elicited hyperlocomotion. <i>Journal of Psychopharmacology</i> , 2015, 29, 1013-1024.	2.0	10
46	Tolerance liability of diazepam is dependent on the dose used for protracted treatment. <i>Pharmacological Reports</i> , 2012, 64, 1116-1125.	1.5	9
47	Duration of treatment and activation of γ -1-containing GABA _A receptors variably affect the level of anxiety and seizure susceptibility after diazepam withdrawal in rats. <i>Brain Research Bulletin</i> , 2014, 104, 1-6.	1.4	9
48	Benzodiazepine site inverse agonists and locomotor activity in rats: Bimodal and biphasic influence. <i>Pharmacology Biochemistry and Behavior</i> , 2006, 84, 35-42.	1.3	8
49	Synthesis, structural and biological characterization of 5-phenylhydantoin derivatives as potential anticonvulsant agents. <i>Monatshefte für Chemie</i> , 2012, 143, 1451-1457.	0.9	8
50	GABA ^α -BENZODIAZEPINE RECEPTOR COMPLEX IN BRAIN OXIDATIVE METABOLISM REGULATION. <i>Pharmacological Research</i> , 2002, 46, 149-154.	3.1	7
51	Molecular basis of mood and cognitive adverse events elucidated via a combination of pharmacovigilance data mining and functional enrichment analysis. <i>Archives of Toxicology</i> , 2020, 94, 2829-2845.	1.9	7
52	Nanocrystal dispersion of DK-I-56 ¹ , a poorly soluble pyrazoloquinolinone positive modulator of γ -6 GABA _A receptors: Formulation approach toward improved in vivo performance. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 152, 105432.	1.9	7
53	Overcoming the Low Oral Bioavailability of Deuterated Pyrazoloquinolinone Ligand DK-I-60-3 by Nanonization: A Knowledge-Based Approach. <i>Pharmaceutics</i> , 2021, 13, 1188.	2.0	7
54	Attaining in vivo selectivity of positive modulation of γ -3 ² γ -2 GABA _A receptors in rats: A hard task!. <i>European Neuropsychopharmacology</i> , 2018, 28, 903-914.	0.3	6

#	ARTICLE	IF	CITATIONS
55	Vasodilatory effects of a variety of positive allosteric modulators of GABAA receptors on rat thoracic aorta. <i>European Journal of Pharmacology</i> , 2021, 899, 174023.	1.7	5
56	Insights into functional pharmacology of $\hat{1}\pm 1$ GABAA receptors: how much does partial activation at the benzodiazepine site matter?. <i>Psychopharmacology</i> , 2013, 230, 113-123.	1.5	4
57	Clinical and Genetic Analysis of Psychosis in Parkinsonâ€™s Disease. <i>Journal of Parkinson's Disease</i> , 2021, 11, 1973-1980.	1.5	4
58	Positive modulation of $\hat{1}\pm 5$ GABAA receptors leads to dichotomous effects in rats on memory pattern and GABRA5 expression in prefrontal cortex and hippocampus. <i>Behavioural Brain Research</i> , 2022, 416, 113578.	1.2	4
59	Metabolism, pharmacokinetics, and anticonvulsant activity of $\hat{1}\pm 2/3$ selective GABA _{kine} KRMâ€™81. <i>Biopharmaceutics and Drug Disposition</i> , 2022, 43, 66-75.	1.1	4
60	Postweaning positive modulation of $\hat{1}\pm 5$ GABAA receptors improves autismâ€™like features in prenatal valproate rat model in a sexâ€™specific manner. <i>Autism Research</i> , 2022, 15, 806-820.	2.1	4
61	Effects of $\hat{1}\pm 5$ GABA _A receptor modulation on social interaction, memory, and neuroinflammation in a mouse model of Alzheimer's disease. <i>CNS Neuroscience and Therapeutics</i> , 0, , .	1.9	4
62	Highly sensitive UHPLCâ€™MS/MS method for quantification of ethylenediamine-N,Nâ€™-di-2-(3-cyclohexyl) propanoic acid derivatives in mouse serum. <i>Acta Chromatographica</i> , 2017, 29, 235-252.	0.7	3
63	Elucidation of the profound antagonism of contractile action of phenylephrine in rat aorta effected by an atypical sympathomimetic decongestant. <i>Korean Journal of Physiology and Pharmacology</i> , 2017, 21, 385.	0.6	3
64	Positive and Negative Selective Allosteric Modulators of $\hat{1}\pm 5$ GABAA Receptors: Effects on Emotionality, Motivation, and Motor Function in the 5xFAD Model of Alzheimerâ€™s Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 1291-1302.	1.2	3
65	Adherence to Medication among Parkinsonâ€™s Disease Patients Using the Adherence to Refills and Medications Scale. <i>International Journal of Clinical Practice</i> , 2022, 2022, 1-7.	0.8	2
66	The lack of bicuculline and picrotoxin influence on midazolam depressant action on brain oxygen consumption. <i>Neuroscience Letters</i> , 2006, 397, 201-204.	1.0	1
67	Pharmaceutical dosage forms of biological and other drugs used in the treatment of multiple sclerosis. <i>Arhiv Za Farmaciju</i> , 2015, 65, 237-255.	0.2	1
68	Atypical sympathomimetic drug lerimazoline mediates contractile effects in rat aorta predominantly by 5-HT _{2A} receptors. <i>Bosnian Journal of Basic Medical Sciences</i> , 2017, 17, 194-202.	0.6	1
69	The vasorelaxant properties of novel benzodiazepine-like ligands on isolated rat thoracic aorta. <i>Scripta Medica</i> , 2020, 51, 81-86.	0.0	1
70	The correlation between genetic factors and freezing of gait in patients with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2022, 98, 7-12.	1.1	1
71	Delayed Behavioral Effects of SHâ€™048A, a Novel Nonselective Positive Modulator of Gabaa Receptors, After Peripheral Nerve Injury in Rats. <i>Acta Veterinaria</i> , 2014, 64, 189-199.	0.2	0
72	From physicochemically stable Nanocarriers to targeted delivery. , 2018, , 301-333.		0

#	ARTICLE	IF	CITATIONS
73	Antidepressants: Myths, facts and perspectives. Arhiv Za Farmaciju, 2017, 67, 291-301.	0.2	0
74	Nano-crystalline suspensions of novel pyrazoloquinolinones ligand (DK-I-56-1). , 2020, , .		0