

Tomas Palenicek

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,264
citations

279487

23
h-index

233125

45
g-index

99
all docs

99
docs citations

99
times ranked

2757
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of Action of Atypical Antipsychotic Drugs and the Neurobiology of Schizophrenia. <i>CNS Drugs</i> , 2006, 20, 389-409.	2.7	385
2	Pharmacokinetic and behavioural profile of THC, CBD, and THC+CBD combination after pulmonary, oral, and subcutaneous administration in rats and confirmation of conversion in vivo of CBD to THC. <i>European Neuropsychopharmacology</i> , 2017, 27, 1223-1237.	0.3	169
3	Psilocybin – Summary of knowledge and new perspectives. <i>European Neuropsychopharmacology</i> , 2014, 24, 342-356.	0.3	167
4	Relationship of ketamine's antidepressant and psychotomimetic effects in unipolar depression. <i>Neuroendocrinology Letters</i> , 2013, 34, 287-93.	0.2	105
5	A single inhalation of vapor from dried toad secretion containing 5-methoxy-N,N-dimethyltryptamine (5-MeO-DMT) in a naturalistic setting is related to sustained enhancement of satisfaction with life, mindfulness-related capacities, and a decrement of psychopathological symptoms. <i>Psychopharmacology</i> , 2019, 236, 2653-2666.	1.5	99
6	A single psilocybin dose is associated with long-term increased mindfulness, preceded by a proportional change in neocortical 5-HT _{2A} receptor binding. <i>European Neuropsychopharmacology</i> , 2020, 33, 71-80.	0.3	88
7	The effect of zotepine, risperidone, clozapine and olanzapine on MK-801-disrupted sensorimotor gating. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 80, 591-596.	1.3	78
8	Latent toxoplasmosis reduces gray matter density in schizophrenia but not in controls: Voxel-based-morphometry (VBM) study. <i>World Journal of Biological Psychiatry</i> , 2012, 13, 501-509.	1.3	77
9	Pharmacokinetic, Ambulatory, and Hyperthermic Effects of 3,4-Methylenedioxy-N-Methylcathinone (Methylone) in Rats. <i>Frontiers in Psychiatry</i> , 2017, 8, 232.	1.3	74
10	Electroencephalographic Spectral and Coherence Analysis of Ketamine in Rats: Correlation with Behavioral Effects and Pharmacokinetics. <i>Neuropsychobiology</i> , 2011, 63, 202-218.	0.9	73
11	Increased sensitivity to the acute effects of MDMA (‘ecstasy’) in female rats. <i>Physiology and Behavior</i> , 2005, 86, 546-553.	1.0	67
12	Mescaline effects on rat behavior and its time profile in serum and brain tissue after a single subcutaneous dose. <i>Psychopharmacology</i> , 2008, 196, 51-62.	1.5	46
13	Behavioral, neurochemical and pharmaco-EEG profiles of the psychedelic drug 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in rats. <i>Psychopharmacology</i> , 2013, 225, 75-93.	1.5	45
14	Sex differences in the effects of N,N-diethyllysergamide (LSD) on behavioural activity and prepulse inhibition. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2010, 34, 588-596.	2.5	38
15	Sex differences and serotonergic mechanisms in the behavioural effects of psilocin. <i>Behavioural Pharmacology</i> , 2016, 27, 309-320.	0.8	38
16	Subanesthetic dose of ketamine decreases prefrontal theta coherence in healthy volunteers: implications for antidepressant effect. <i>Psychological Medicine</i> , 2010, 40, 1443-1451.	2.7	37
17	Relation of sex and estrous phase to deficits in prepulse inhibition of the startle response induced by ecstasy (MDMA). <i>Behavioural Pharmacology</i> , 2005, 16, 127-130.	0.8	33
18	Detailed pharmacological evaluation of methoxetamine (MXE), a novel psychoactive ketamine analogue – Behavioural, pharmacokinetic and metabolic studies in the Wistar rat. <i>Brain Research Bulletin</i> , 2016, 126, 102-110.	1.4	33

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19	Psilocin and ketamine microdosing: effects of subchronic intermittent microdoses in the elevated plus-maze in male Wistar rats. <i>Behavioural Pharmacology</i> , 2018, 29, 530-536.	0.8	33
20	Disposition of 4-bromo-2,5-dimethoxyphenethylamine (2C-B) and its metabolite 4-bromo-2-hydroxy-5-methoxyphenethylamine in rats after subcutaneous administration. <i>Toxicology Letters</i> , 2008, 178, 29-36.	0.4	32
21	The Effect of Psilocin on Memory Acquisition, Retrieval, and Consolidation in the Rat. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 180.	1.0	32
22	Biochemical, Histopathological and Morphological Profiling of a Rat Model of Early Immune Stimulation: Relation to Psychopathology. <i>PLoS ONE</i> , 2015, 10, e0115439.	1.1	26
23	Emerging toxicity of 5,6-methylenedioxy-2-aminoindane (MDAI): Pharmacokinetics, behaviour, thermoregulation and LD50 in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 69, 49-59.	2.5	26
24	Psilocybin disrupts sensory and higher order cognitive processing but not pre-attentive cognitive processing—study on P300 and mismatch negativity in healthy volunteers. <i>Psychopharmacology</i> , 2018, 235, 491-503.	1.5	26
25	Synthetic Aminoindanes: A Summary of Existing Knowledge. <i>Frontiers in Psychiatry</i> , 2017, 8, 236.	1.3	25
26	Behavioral, hyperthermic and pharmacokinetic profile of para-methoxymethamphetamine (PMMA) in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2011, 98, 130-139.	1.3	24
27	The opposite effect of a low and a high dose of serotonin-1A agonist on behavior induced by MK-801. <i>Neuropharmacology</i> , 2007, 52, 1071-1078.	2.0	22
28	Salting-out-assisted liquid-liquid extraction as a suitable approach for determination of methoxetamine in large sets of tissue samples. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1171-1181.	1.9	22
29	Mephedrone (4-Methylmethcathinone): Acute Behavioral Effects, Hyperthermic, and Pharmacokinetic Profile in Rats. <i>Frontiers in Psychiatry</i> , 2018, 8, 306.	1.3	22
30	Metabolic profile of mephedrone: Identification of nor-mephedrone conjugates with dicarboxylic acids as a new type of xenobiotic phase II metabolites. <i>Toxicology Letters</i> , 2016, 240, 114-121.	0.4	21
31	Sad mood induction has an opposite effect on amygdala response to emotional stimuli in euthymic patients with bipolar disorder and healthy controls. <i>Journal of Psychiatry and Neuroscience</i> , 2015, 40, 134-142.	1.4	19
32	Psilocin, LSD, mescaline, and DOB all induce broadband desynchronization of EEG and disconnection in rats with robust translational validity. <i>Translational Psychiatry</i> , 2021, 11, 506.	2.4	19
33	Trans-generational neurochemical modulation of methamphetamine in the adult brain of the Wistar rat. <i>Archives of Toxicology</i> , 2017, 91, 3373-3384.	1.9	18
34	Behavioral and Pharmacokinetic Profile of Indole-Derived Synthetic Cannabinoids JWH-073 and JWH-210 as Compared to the Phytocannabinoid Δ^9 -THC in Rats. <i>Frontiers in Neuroscience</i> , 2018, 12, 703.	1.4	17
35	Regional brain metabolism as the predictor of performance on the Trail Making Test in schizophrenia. A 18FDG PET covariation study. <i>Neuroendocrinology Letters</i> , 2006, 27, 587-94.	0.2	17
36	Cannabis-induced altered states of consciousness are associated with specific dynamic brain connectivity states. <i>Journal of Psychopharmacology</i> , 2019, 33, 811-821.	2.0	15

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55	Effects of the adipokinetic hormone/red pigment-concentrating hormone (<sc>AKH</sc>/<sc>RPCH</sc>) family of peptides on <sc>MK</sc>-induced schizophrenia models. <i>Fundamental and Clinical Pharmacology</i> , 2018, 32, 589-602.	1.0	4
56	Naphyrone (naphthylpyrovalerone): Pharmacokinetics, behavioural effects and thermoregulation in Wistar rats. <i>Addiction Biology</i> , 2021, 26, e12906.	1.4	4
57	Pharmacokinetic, pharmacodynamic, and behavioural studies of deschloroketamine (DCK) in Wistar rats. <i>British Journal of Pharmacology</i> , 2021, , .	2.7	3
58	Electrical Source Imaging in Freely Moving Rats: Evaluation of a 12-Electrode Cortical Electroencephalography System. <i>Frontiers in Neuroinformatics</i> , 2020, 14, 589228.	1.3	3
59	Psilocybin-Mediated Attenuation of Gamma Band Auditory Steady-State Responses (ASSR) Is Driven by the Intensity of Cognitive and Emotional Domains of Psychedelic Experience. <i>Journal of Personalized Medicine</i> , 2022, 12, 1004.	1.1	3
60	Anisotropic Conductivity of Rat Head Phantom and its Influence on Electroencephalogram Source Localization. <i>IEEE Access</i> , 2022, 10, 9877-9888.	2.6	2
61	Effect of Serotonin-1A receptor on behavioral changes in animal model of schizophrenia-like behavior. <i>European Psychiatry</i> , 2008, 23, S61.	0.1	1
62	Quantitative EEG study of serotonergic hallucinogens in rats - the relationship of brain activity and behavior. <i>European Neuropsychopharmacology</i> , 2016, 26, S260-S261.	0.3	1
63	Electromagnetic Modeling of Rat's Brain: Comparison of Models and Solvers. , 2018, , .		1
64	Electrical Source Imaging in Rats: Cortical EEG Performance and Limitations. , 2018, , .		1
65	135. Ketamine Treatment in Major Depression: Predictive Power of Heart Rate. <i>Biological Psychiatry</i> , 2018, 83, S55.	0.7	1
66	Comparison of Spline Methods for 3D Brain Mapping. <i>IFMBE Proceedings</i> , 2019, , 421-423.	0.2	1
67	Effects of synthetic cathinone naphyrone in the conditioned place preference test - Evidence of its addictive potential. <i>Behavioural Brain Research</i> , 2022, 421, 113713.	1.2	1
68	A80 THE EFFECT OF THE COMBINATION OF RITANSERIN AND HALOPERIDOL ON MK-801-INDUCED BEHAVIOR. <i>Behavioural Pharmacology</i> , 2005, 16, S48.	0.8	0
69	B31 3,4-METHYLENEDIOXYMETHAMPHETAMINE (MDMA) AND 4-OH-DIMETHYLTRYPTAMINE (PSILOPIN) INTERACTION IN RATS: BEHAVIORAL STUDY ON PREPULSE INHIBITION OF ACOUSTIC STARTLE REACTION AND ON LOCOMOTION. <i>Behavioural Pharmacology</i> , 2005, 16, S75-S76.	0.8	0
70	P.1.c.067 Effect of group II metabotropic glutamate receptor agonist on behaviour and electroencephalography in a model of psychosis. <i>European Neuropsychopharmacology</i> , 2010, 20, S273-S274.	0.3	0
71	P.6.d.022 The role of serotonin and dopamine systems in the action of the psychedelic 4-bromo-2,5-dimethoxyphenylethylamine (2C-B). <i>European Neuropsychopharmacology</i> , 2010, 20, S600-S601.	0.3	0
72	P.1.g.064 Comparison of sensorimotor gating and quantitative EEG in serotonergic models of psychosis in the rat. <i>European Neuropsychopharmacology</i> , 2013, 23, S227.	0.3	0

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73	P.1.b.009 Default mode network activity decrement interrelated with anxious-like and dreadful experiences during acute cannabis intoxication. <i>European Neuropsychopharmacology</i> , 2014, 24, S176-S177.	0.3	0
74	P.1.i.011 Effect of delta-9-tetrahydrocannabinol on the whole-brain resting state functional connectivity: a dynamic connectivity approach. <i>European Neuropsychopharmacology</i> , 2015, 25, S305.	0.3	0
75	Psilocybin-induced psychosis in humans and in rats – translational quantitative EEG study. <i>European Neuropsychopharmacology</i> , 2016, 26, S257-S258.	0.3	0
76	Acute Cannabis Intoxication and the Brain's Response to Visual Erotica: An Fmri Study. <i>Journal of Sexual Medicine</i> , 2017, 14, e253.	0.3	0
77	EEG Forward Problem Modelling: Comparison of FieldTrip-SimBio and CST EM Studio. , 2018, , .		0
78	Antidepressant effect of adipokinetic hormone/red pigment-concentrating hormone family of peptides in olfactory bulbectomy model of rats. <i>European Neuropsychopharmacology</i> , 2019, 29, S271-S272.	0.3	0
79	Effects of adipokinetic hormone/red pigment-concentrating hormone family of peptides on MK-801 induced schizophrenia models in rats. <i>European Neuropsychopharmacology</i> , 2019, 29, S264-S265.	0.3	0
80	P.188 Long-term effects of psilocybin on cerebral serotonin 2A receptor levels and personality. <i>European Neuropsychopharmacology</i> , 2019, 29, S144.	0.3	0