

# Tomas Palenicek

## List of Publications by Citations

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68

papers

1,605

citations

21

h-index

39

g-index

99

ext. papers

1,952

ext. citations

3.4

avg, IF

4.43

L-index

#	Paper	IF	Citations
68	Mechanism of action of atypical antipsychotic drugs and the neurobiology of schizophrenia. <i>CNS Drugs</i> , <b>2006</b> , 20, 389-409	6.7	315
67	Psilocybin--summary of knowledge and new perspectives. <i>European Neuropsychopharmacology</i> , <b>2014</b> , 24, 342-56	1.2	106
66	Relationship of ketamine's antidepressant and psychotomimetic effects in unipolar depression. <i>Neuroendocrinology Letters</i> , <b>2013</b> , 34, 287-93	0.3	100
65	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> , <b>2017</b> , 27, 1223-1237	1.2	84
64	The effect of zotepine, risperidone, clozapine and olanzapine on MK-801-disrupted sensorimotor gating. <i>Pharmacology Biochemistry and Behavior</i> , <b>2005</b> , 80, 591-6	3.9	72
63	Increased sensitivity to the acute effects of MDMA ("ecstasy") in female rats. <i>Physiology and Behavior</i> , <b>2005</b> , 86, 546-53	3.5	61
62	Electroencephalographic spectral and coherence analysis of ketamine in rats: correlation with behavioral effects and pharmacokinetics. <i>Neuropsychobiology</i> , <b>2011</b> , 63, 202-18	4	60
61	Pharmacokinetic, Ambulatory, and Hyperthermic Effects of 3,4-Methylenedioxy--Methylcathinone (Methylone) in Rats. <i>Frontiers in Psychiatry</i> , <b>2017</b> , 8, 232	5	59
60	Latent toxoplasmosis reduces gray matter density in schizophrenia but not in controls: voxel-based-morphometry (VBM) study. <i>World Journal of Biological Psychiatry</i> , <b>2012</b> , 13, 501-9	3.8	58
59	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> , <b>2019</b> , 236, 2653-2666	4.7	47
58	A single psilocybin dose is associated with long-term increased mindfulness, preceded by a proportional change in neocortical 5-HT <sub>2A</sub> receptor binding. <i>European Neuropsychopharmacology</i> , <b>2020</b> , 33, 71-80	1.2	38
57	Mescaline effects on rat behavior and its time profile in serum and brain tissue after a single subcutaneous dose. <i>Psychopharmacology</i> , <b>2008</b> , 196, 51-62	4.7	34
56	Subanesthetic dose of ketamine decreases prefrontal theta coherence in healthy volunteers: implications for antidepressant effect. <i>Psychological Medicine</i> , <b>2010</b> , 40, 1443-51	6.9	33
55	Behavioral, neurochemical and pharmaco-EEG profiles of the psychedelic drug 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in rats. <i>Psychopharmacology</i> , <b>2013</b> , 225, 75-93	4.7	31
54	Relation of sex and estrous phase to deficits in prepulse inhibition of the startle response induced by ecstasy (MDMA). <i>Behavioural Pharmacology</i> , <b>2005</b> , 16, 127-30	2.4	31
53	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> , <b>2008</b> , 178, 29-36	4.4	29
52	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> , <b>2010</b> , 34, 588-96	5.5	27

51	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> , <b>2016</b> , 126, 102-110	3.9	25
50	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> , <b>2016</b> , 69, 49-59	5.5	22
49	Behavioral, hyperthermic and pharmacokinetic profile of para-methoxymethamphetamine (PMMA) in rats. <i>Pharmacology Biochemistry and Behavior</i> , <b>2011</b> , 98, 130-9	3.9	21
48	The opposite effect of a low and a high dose of serotonin-1A agonist on behavior induced by MK-801. <i>Neuropharmacology</i> , <b>2007</b> , 52, 1071-8	5.5	21
47	Biochemical, histopathological and morphological profiling of a rat model of early immune stimulation: relation to psychopathology. <i>PLoS ONE</i> , <b>2015</b> , 10, e0115439	3.7	19
46	The effect of psilocin on memory acquisition, retrieval, and consolidation in the rat. <i>Frontiers in Behavioral Neuroscience</i> , <b>2014</b> , 8, 180	3.5	19
45	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> , <b>2016</b> , 240, 114-21	4.4	18
44	Psilocin and ketamine microdosing: effects of subchronic intermittent microdoses in the elevated plus-maze in male Wistar rats. <i>Behavioural Pharmacology</i> , <b>2018</b> , 29, 530-536	2.4	17
43	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> , <b>2016</b> , 408, 1171-81	4.4	17
42	Synthetic Aminoindanes: A Summary of Existing Knowledge. <i>Frontiers in Psychiatry</i> , <b>2017</b> , 8, 236	5	17
41	Sex differences and serotonergic mechanisms in the behavioural effects of psilocin. <i>Behavioural Pharmacology</i> , <b>2016</b> , 27, 309-20	2.4	17
40	Regional brain metabolism as the predictor of performance on the Trail Making Test in schizophrenia. A 18FDG PET covariation study. <i>Neuroendocrinology Letters</i> , <b>2006</b> , 27, 587-94	0.3	17
39	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> , <b>2018</b> , 235, 491-503	4.7	15
38	Mephedrone (4-Methylmethcathinone): Acute Behavioral Effects, Hyperthermic, and Pharmacokinetic Profile in Rats. <i>Frontiers in Psychiatry</i> , <b>2017</b> , 8, 306	5	13
37	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> , <b>2015</b> , 40, 134-42	4.5	12
36	Trans-generational neurochemical modulation of methamphetamine in the adult brain of the Wistar rat. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 3373-3384	5.8	12
35	Behavioral and Pharmacokinetic Profile of Indole-Derived Synthetic Cannabinoids JWH-073 and JWH-210 as Compared to the Phytocannabinoid $\Delta^9$ THC in Rats. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 703	5.1	12
34	Chronic methamphetamine self-administration dysregulates 5-HT <sub>2A</sub> and mGlu <sub>2</sub> receptor expression in the rat prefrontal and perirhinal cortex: Comparison to chronic phencyclidine and MK-801. <i>Pharmacology Biochemistry and Behavior</i> , <b>2018</b> , 175, 89-100	3.9	12

33	An analysis of spontaneous behavior following acute MDMA treatment in male and female rats. <i>Neuroendocrinology Letters</i> , <b>2007</b> , 28, 781-8	0.3	12
32	Behavioural, Pharmacokinetic, Metabolic, and Hyperthermic Profile of 3,4-Methylenedioxypropylamphetamine (MDPV) in the Wistar Rat. <i>Frontiers in Psychiatry</i> , <b>2018</b> , 9, 144	5	11
31	Letter to the editor: does ketamine exert a fast-acting antidepressant effect via inhibition of pro-inflammatory cytokines?. <i>Psychological Medicine</i> , <b>2011</b> , 41, 1787; author reply 1787-9	6.9	10
30	Cannabis-induced altered states of consciousness are associated with specific dynamic brain connectivity states. <i>Journal of Psychopharmacology</i> , <b>2019</b> , 33, 811-821	4.6	9
29	The effect of ((-)-2-oxa-4-aminobicyclo[3.1.0]hexane-2,6-dicarboxylic acid (LY379268), an mGlu2/3 receptor agonist, on EEG power spectra and coherence in ketamine model of psychosis. <i>Pharmacology Biochemistry and Behavior</i> , <b>2014</b> , 122, 212-21	3.9	9
28	The effect of tryptophan depletion on the action of haloperidol in MK-801-treated rats. <i>European Journal of Pharmacology</i> , <b>2004</b> , 502, 109-16	5.3	8
27	Individual prolactin reactivity modulates response of nucleus accumbens to erotic stimuli during acute cannabis intoxication: an fMRI pilot study. <i>Psychopharmacology</i> , <b>2017</b> , 234, 1933-1943	4.7	7
26	Impact of psychotropic drugs on adult hippocampal neurogenesis. <i>Neuroscience Research</i> , <b>2012</b> , 73, 93-82.9		6
25	A role for enhanced functions of sleep in psychedelic therapy?. <i>Adaptive Behavior</i> , <b>2018</b> , 26, 129-135	1.1	4
24	Identification of three new phase II metabolites of a designer drug methylone formed in rats by N-demethylation followed by conjugation with dicarboxylic acids. <i>Xenobiotica</i> , <b>2018</b> , 48, 618-625	2	4
23	Synthesis and identification of deschloroketamine metabolites in ratsPurine and a quantification method for deschloroketamine and metabolites in ratsPserum and brain tissue using liquid chromatography tandem mass spectrometry. <i>Drug Testing and Analysis</i> , <b>2020</b> , 12, 343-360	3.5	4
22	Neurobiology of the Effects of Psilocybin in Relation to Its Potential Therapeutic Targets <b>2016</b> , 782-793		3
21	Psilocin, LSD, mescaline, and DOB all induce broadband desynchronization of EEG and disconnection in rats with robust translational validity. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 506	8.6	3
20	The Effects of Daytime Psilocybin Administration on Sleep: Implications for Antidepressant Action. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 602590	5.6	3
19	Electrical Source Imaging in Freely Moving Rats: Evaluation of a 12-Electrode Cortical Electroencephalography System. <i>Frontiers in Neuroinformatics</i> , <b>2020</b> , 14, 589228	3.9	3
18	Effects of the adipokinetic hormone/red pigment-concentrating hormone (AKH/RPCH) family of peptides on MK-801-induced schizophrenia models. <i>Fundamental and Clinical Pharmacology</i> , <b>2018</b> , 32, 589-602	3.1	2
17	Study on the metabolism of 5,6-methylenedioxy-2-aminoindane (MDAI) in rats: identification of urinary metabolites. <i>Xenobiotica</i> , <b>2017</b> , 47, 505-514	2	2
16	Naphyrone (naphthylpyrovalerone): Pharmacokinetics, behavioural effects and thermoregulation in Wistar rats. <i>Addiction Biology</i> , <b>2021</b> , 26, e12906	4.6	2

15	Anisotropic Conductivity of Rat Head Phantom and its Influence on Electroencephalogram Source Localization. <i>IEEE Access</i> , <b>2022</b> , 10, 9877-9888	3.5	1
14	25CN-NBOMe Metabolites in Rat Urine, Human Liver Microsomes and Structure Determination and Synthesis of the Most Abundant Metabolites. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	1
13	Quantitative EEG study of serotonergic hallucinogens in rats [The relationship of brain activity and behavior. <i>European Neuropsychopharmacology</i> , <b>2016</b> , 26, S260-S261	1.2	1
12	Electrical Source Imaging in Rats: Cortical EEG Performance and Limitations <b>2018</b> ,		1
11	Methods for Animal Brain Mapping. <i>Radioengineering</i> , <b>2018</b> , 27, 806-812	0.8	1
10	Comparison of Spline Methods for 3D Brain Mapping. <i>IFMBE Proceedings</i> , <b>2019</b> , 421-423	0.2	0
9	Acute Cannabis Intoxication and the Brain's Response to Visual Erotica: An Fmri Study. <i>Journal of Sexual Medicine</i> , <b>2017</b> , 14, e253	1.1	
8	Antidepressant effect of adipokinetic hormone/red pigment-concentrating hormone family of peptides in olfactory bulbectomy model of rats. <i>European Neuropsychopharmacology</i> , <b>2019</b> , 29, S271-S272 <sup>1,2</sup>		
7	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> , <b>2015</b> , 25, S305	1.2	
6	P.1.b.009 Default mode network activity decrement interrelated with anxious-like and dreadful experiences during acute cannabis intoxication. <i>European Neuropsychopharmacology</i> , <b>2014</b> , 24, S176-S177 <sup>1,2</sup>		
5	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> , <b>2010</b> , 20, S273-S274 <sup>1,2</sup>		
4	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> , <b>2010</b> , 20, S600-S601 <sup>1,2</sup>		
3	Effects of synthetic cathinone naphyrone in the conditioned place preference test - evidence of its addictive potential.. <i>Behavioural Brain Research</i> , <b>2021</b> , 421, 113713	3.4	
2	Psilocybin-induced psychosis in humans and in rats [translational quantitative EEG study. <i>European Neuropsychopharmacology</i> , <b>2016</b> , 26, S257-S258	1.2	
1	Effects of adipokinetic hormone/red pigment-concentrating hormone family of peptides on MK-801 induced schizophrenia models in rats. <i>European Neuropsychopharmacology</i> , <b>2019</b> , 29, S264-S265 <sup>1,2</sup>		