

# Panos Zanos

## 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.

53  
papers

2,955  
citations

24  
h-index

54  
g-index

61  
ext. papers

3,846  
ext. citations

7.6  
avg, IF

5.59  
L-index

#	Paper	IF	Citations
53	Hydroxynorketamine Pharmacokinetics and Antidepressant Behavioral Effects of (2S)- and (2R)-Methyl-(2S)-hydroxynorketamines.. <i>ACS Chemical Neuroscience</i> , <b>2022</b> ,	5.7	1
52	Comparative metabolomic analysis in plasma and cerebrospinal fluid of humans and in plasma and brain of mice following antidepressant-dose ketamine administration.. <i>Translational Psychiatry</i> , <b>2022</b> , 12, 179	8.6	1
51	Hydroxynorketamines: Pharmacology and Potential Therapeutic Applications. <i>Pharmacological Reviews</i> , <b>2021</b> , 73, 763-791	22.5	17
50	Post-weaning A1/A2 casein milk intake modulates depressive-like behavior, brain opioid receptors, and the metabolome of rats. <i>iScience</i> , <b>2021</b> , 24, 103048	6.1	0
49	A comparison of the pharmacokinetics and NMDAR antagonism-associated neurotoxicity of ketamine, (2R,6R)-hydroxynorketamine and MK-801. <i>Neurotoxicology and Teratology</i> , <b>2021</b> , 87, 106993	3.9	4
48	Sex-dependent metabolism of ketamine and (S)-hydroxynorketamine in mice and humans.. <i>Journal of Psychopharmacology</i> , <b>2021</b> , 2698811211064922	4.6	0
47	Ketamine metabolite (2R,6R)-hydroxynorketamine reverses behavioral despair produced by adolescent trauma. <i>Pharmacology Biochemistry and Behavior</i> , <b>2020</b> , 196, 172973	3.9	7
46	Psychological stress enhances tumor growth and diminishes radiation response in preclinical model of lung cancer. <i>Radiotherapy and Oncology</i> , <b>2020</b> , 146, 126-135	5.3	8
45	Antidepressant Effects and Mechanisms of Group II mGlu Receptor-Specific Negative Allosteric Modulators. <i>Neuron</i> , <b>2020</b> , 105, 1-3	13.9	4
44	Classical conditioning of antidepressant placebo effects in mice. <i>Psychopharmacology</i> , <b>2020</b> , 237, 93-102	4.7	5
43	(2R,6R)-hydroxynorketamine rapidly potentiates hippocampal glutamatergic transmission through a synapse-specific presynaptic mechanism. <i>Neuropsychopharmacology</i> , <b>2020</b> , 45, 426-436	8.7	25
42	A Randomized Trial of the N-Methyl-d-Aspartate Receptor Glycine Site Antagonist Prodrug 4-Chlorokynurenine in Treatment-Resistant Depression. <i>International Journal of Neuropsychopharmacology</i> , <b>2020</b> , 23, 417-425	5.8	20
41	Alpha2B-Adrenergic Receptor Overexpression in the Brain Potentiates Air Pollution-induced Behavior and Blood Pressure Changes. <i>Toxicological Sciences</i> , <b>2019</b> , 169, 95-107	4.4	13
40	Sex-Specific Involvement of Estrogen Receptors in Behavioral Responses to Stress and Psychomotor Activation. <i>Frontiers in Psychiatry</i> , <b>2019</b> , 10, 81	5	11
39	(S)-hydroxynorketamine exerts mGlu receptor-dependent antidepressant actions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 6441-6450	11.5	73
38	Group II metabotropic glutamate receptor blockade promotes stress resilience in mice. <i>Neuropsychopharmacology</i> , <b>2019</b> , 44, 1788-1796	8.7	29
37	(R)-Ketamine exerts antidepressant actions partly via conversion to (2R,6R)-hydroxynorketamine, while causing adverse effects at sub-anesthetic doses. <i>British Journal of Pharmacology</i> , <b>2019</b> , 176, 2573-2592	8.6	38

36	Antidepressant-relevant concentrations of the ketamine metabolite (2,6)-hydroxynorketamine do not block NMDA receptor function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 5160-5169	11.5	77
35	Chronic nicotine administration restores brain region specific upregulation of oxytocin receptor binding levels in a G72 mouse model of schizophrenia. <i>European Journal of Neuroscience</i> , <b>2019</b> , 50, 2255-2263	3.5	4
34	Mouse, rat, and dog bioavailability and mouse oral antidepressant efficacy of (-)-hydroxynorketamine. <i>Journal of Psychopharmacology</i> , <b>2019</b> , 33, 12-24	4.6	21
33	Convergent Mechanisms Underlying Rapid Antidepressant Action. <i>CNS Drugs</i> , <b>2018</b> , 32, 197-227	6.7	92
32	Methamphetamine withdrawal induces activation of CRF neurons in the brain stress system in parallel with an increased activity of cardiac sympathetic pathways. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2018</b> , 391, 423-434	3.4	7
31	Wheel running during chronic nicotine exposure is protective against mecamylamine-precipitated withdrawal and up-regulates hippocampal $\alpha$ 7 nACh receptors in mice. <i>British Journal of Pharmacology</i> , <b>2018</b> , 175, 1928-1943	8.6	3
30	F102. Human Experimenter Sex Modulates Mouse Behavioral Responses to Stress and to the Antidepressant Ketamine. <i>Biological Psychiatry</i> , <b>2018</b> , 83, S277	7.9	6
29	Isoflurane but Not Halothane Prevents and Reverses Helpless Behavior: A Role for EEG Burst Suppression?. <i>International Journal of Neuropsychopharmacology</i> , <b>2018</b> , 21, 777-785	5.8	13
28	Mechanisms of ketamine action as an antidepressant. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 801-811	15.1	341
27	Oxytocin and opioid addiction revisited: old drug, new applications. <i>British Journal of Pharmacology</i> , <b>2018</b> , 175, 2809-2824	8.6	31
26	Intracellular Signaling Pathways Involved in (S)- and (R)-Ketamine Antidepressant Actions. <i>Biological Psychiatry</i> , <b>2018</b> , 83, 2-4	7.9	27
25	Dopamine and Stress System Modulation of Sex Differences in Decision Making. <i>Neuropsychopharmacology</i> , <b>2018</b> , 43, 313-324	8.7	35
24	Ketamine and Ketamine Metabolite Pharmacology: Insights into Therapeutic Mechanisms. <i>Pharmacological Reviews</i> , <b>2018</b> , 70, 621-660	22.5	395
23	Environmental enrichment enhances conditioned place preference to ethanol via an oxytocinergic-dependent mechanism in male mice. <i>Neuropharmacology</i> , <b>2018</b> , 138, 267-274	5.5	24
22	Animal models to improve our understanding and treatment of suicidal behavior. <i>Translational Psychiatry</i> , <b>2017</b> , 7, e1092	8.6	43
21	Transient anhedonia phenotype and altered circadian timing of behaviour during night-time dim light exposure in Per3 mice, but not wildtype mice. <i>Scientific Reports</i> , <b>2017</b> , 7, 40399	4.9	15
20	Ketamine Mechanism of Action: Separating the Wheat from the Chaff. <i>Neuropsychopharmacology</i> , <b>2017</b> , 42, 368-369	8.7	11
19	Zanos et al. reply. <i>Nature</i> , <b>2017</b> , 546, E4-E5	50.4	21

18	Synthesis and N-Methyl-d-aspartate (NMDA) Receptor Activity of Ketamine Metabolites. <i>Organic Letters</i> , <b>2017</b> , 19, 4572-4575	6.2	38
17	Reply to: Antidepressant Actions of Ketamine Versus Hydroxynorketamine. <i>Biological Psychiatry</i> , <b>2017</b> , 81, e69-e71	7.9	20
16	A Negative Allosteric Modulator for $\beta$ Subunit-Containing GABA Receptors Exerts a Rapid and Persistent Antidepressant-Like Action without the Side Effects of the NMDA Receptor Antagonist Ketamine in Mice. <i>ENeuro</i> , <b>2017</b> , 4,	3.9	61
15	A critical role of striatal A2A R-mGlu5 R interactions in modulating the psychomotor and drug-seeking effects of methamphetamine. <i>Addiction Biology</i> , <b>2016</b> , 21, 811-25	4.6	20
14	Methamphetamine abstinence induces changes in $\beta$ opioid receptor, oxytocin and CRF systems: Association with an anxiogenic phenotype. <i>Neuropharmacology</i> , <b>2016</b> , 105, 520-532	5.5	38
13	Emotional Impairment and Persistent Upregulation of mGlu5 Receptor following Morphine Abstinence: Implications of an mGlu5-MOPr Interaction. <i>International Journal of Neuropsychopharmacology</i> , <b>2016</b> , 19,	5.8	9
12	NMDAR inhibition-independent antidepressant actions of ketamine metabolites. <i>Nature</i> , <b>2016</b> , 533, 481-5	6.4	903
11	Effects of Ketamine and Ketamine Metabolites on Evoked Striatal Dopamine Release, Dopamine Receptors, and Monoamine Transporters. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2016</b> , 359, 159-70	4.7	61
10	Cocaine abstinence induces emotional impairment and brain region-specific upregulation of the oxytocin receptor binding. <i>European Journal of Neuroscience</i> , <b>2016</b> , 44, 2446-2454	3.5	29
9	Region-specific up-regulation of oxytocin receptor binding in the brain of mice following chronic nicotine administration. <i>Neuroscience Letters</i> , <b>2015</b> , 600, 33-7	3.3	18
8	The Prodrug 4-Chlorokynurenine Causes Ketamine-Like Antidepressant Effects, but Not Side Effects, by NMDA/GlycineB-Site Inhibition. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2015</b> , 355, 76-85	4.7	77
7	Sex-dependent modulation of age-related cognitive decline by the L-type calcium channel gene <i>Cacna1c</i> ( <i>Cav 1.2</i> ). <i>European Journal of Neuroscience</i> , <b>2015</b> , 42, 2499-507	3.5	17
6	Differential regulation of mGlu5 R and MOPr by priming- and cue-induced reinstatement of cocaine-seeking behaviour in mice. <i>Addiction Biology</i> , <b>2015</b> , 20, 902-12	4.6	28
5	The oxytocin analogue carbetocin prevents priming-induced reinstatement of morphine-seeking: Involvement of dopaminergic, noradrenergic and MOPr systems. <i>European Neuropsychopharmacology</i> , <b>2015</b> , 25, 2459-64	1.2	31
4	Epigenetically modified nucleotides in chronic heroin and cocaine treated mice. <i>Toxicology Letters</i> , <b>2014</b> , 229, 451-7	4.4	13
3	The oxytocin analogue carbetocin prevents emotional impairment and stress-induced reinstatement of opioid-seeking in morphine-abstinent mice. <i>Neuropsychopharmacology</i> , <b>2014</b> , 39, 855-65	8.7	91
2	Chronic methamphetamine treatment induces oxytocin receptor up-regulation in the amygdala and hypothalamus via an adenosine A2A receptor-independent mechanism. <i>Pharmacology Biochemistry and Behavior</i> , <b>2014</b> , 119, 72-9	3.9	45
1	Effect of chronic heroin and cocaine administration on global DNA methylation in brain and liver. <i>Toxicology Letters</i> , <b>2013</b> , 218, 260-5	4.4	30

