

David Pubill

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,272
citations

186265

28
h-index

233421

45
g-index

81
all docs

81
docs citations

81
times ranked

2084
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative neuropharmacology of three psychostimulant cathinone derivatives: butylone, mephedrone and methylone. <i>British Journal of Pharmacology</i> , 2012, 167, 407-420.	5.4	170
2	Different glial response to methamphetamine- and methylenedioxymethamphetamine-induced neurotoxicity. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2003, 367, 490-499.	3.0	123
3	Interaction of mephedrone with dopamine and serotonin targets in rats. <i>European Neuropsychopharmacology</i> , 2012, 22, 231-236.	0.7	109
4	Mephedrone pharmacokinetics after intravenous and oral administration in rats: relation to pharmacodynamics. <i>Psychopharmacology</i> , 2013, 229, 295-306.	3.1	107
5	Neurotoxicity of amphetamine derivatives is mediated by caspase pathway activation in rat cerebellar granule cells. <i>Toxicology and Applied Pharmacology</i> , 2004, 196, 223-234.	2.8	93
6	Kainic acid-induced apoptosis in cerebellar granule neurons: an attempt at cell cycle re-entry. <i>NeuroReport</i> , 2002, 13, 413-416.	1.2	89
7	Free radical production induced by methamphetamine in rat striatal synaptosomes. <i>Toxicology and Applied Pharmacology</i> , 2005, 204, 57-68.	2.8	75
8	Microgliosis and down-regulation of adenosine transporter induced by methamphetamine in rats. <i>Brain Research</i> , 1998, 814, 120-126.	2.2	69
9	Memantine is a useful drug to prevent the spatial and non-spatial memory deficits induced by methamphetamine in rats. <i>Pharmacological Research</i> , 2010, 62, 450-456.	7.1	62
10	Dose and Time-Dependent Selective Neurotoxicity Induced by Mephedrone in Mice. <i>PLoS ONE</i> , 2014, 9, e99002.	2.5	61
11	Methyllycaconitine Prevents Methamphetamine-Induced Effects in Mouse Striatum: Involvement of $\alpha 7$ Nicotinic Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 658-667.	2.5	58
12	C-Phycocyanin protects cerebellar granule cells from low potassium/serum deprivation-induced apoptosis. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2001, 364, 96-104.	3.0	50
13	Memantine protects against amphetamine derivatives-induced neurotoxic damage in rodents. <i>Neuropharmacology</i> , 2008, 54, 1254-1263.	4.1	49
14	Neuronal changes and oxidative stress in adolescent rats after repeated exposure to mephedrone. <i>Toxicology and Applied Pharmacology</i> , 2015, 286, 27-35.	2.8	49
15	ATP induces intracellular calcium increases and actin cytoskeleton disaggregation via P2x receptors. <i>Cell Calcium</i> , 2001, 29, 299-309.	2.4	47
16	An integrated pharmacokinetic and pharmacodynamic study of a new drug of abuse, methylone, a synthetic cathinone sold as "bath salts". <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 45, 64-72.	4.8	46
17	Concentrations of MDPV in rat striatum correlate with the psychostimulant effect. <i>Journal of Psychopharmacology</i> , 2015, 29, 1209-1218.	4.0	43
18	Orphenadrine prevents 3-nitropropionic acid-induced neurotoxicity in vitro and in vivo. <i>British Journal of Pharmacology</i> , 2001, 132, 693-702.	5.4	40

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19	Methamphetamine and 3,4-methylenedioxymethamphetamine interact with central nicotinic receptors and induce their up-regulation. <i>Toxicology and Applied Pharmacology</i> , 2007, 223, 195-205.	2.8	40
20	Neuroprotective action of flavopiridol, a cyclin-dependent kinase inhibitor, in colchicine-induced apoptosis. <i>Neuropharmacology</i> , 2003, 45, 672-683.	4.1	39
21	Protection against MDMA-induced dopaminergic neurotoxicity in mice by methyllycaconitine: Involvement of nicotinic receptors. <i>Neuropharmacology</i> , 2006, 51, 885-895.	4.1	39
22	Memantine prevents MDMA-induced neurotoxicity. <i>NeuroToxicology</i> , 2008, 29, 179-183.	3.0	38
23	Memantine prevents the cognitive impairment induced by 3,4-methylenedioxymethamphetamine in rats. <i>European Journal of Pharmacology</i> , 2008, 589, 132-139.	3.5	34
24	Antiapoptotic effects of roscovitine in cerebellar granule cells deprived of serum and potassium: a cell cycle-related mechanism. <i>Neurochemistry International</i> , 2004, 44, 251-261.	3.8	33
25	Different oxidative profile and nicotinic receptor interaction of amphetamine and 3,4-methylenedioxy-methamphetamine. <i>Neurochemistry International</i> , 2008, 52, 401-410.	3.8	33
26	Carnosine prevents methamphetamine-induced gliosis but not dopamine terminal loss in rats. <i>European Journal of Pharmacology</i> , 2002, 448, 165-168.	3.5	32
27	The effects of 3,4-methylenedioxymethamphetamine (MDMA) on nicotinic receptors: Intracellular calcium increase, calpain/caspase 3 activation, and functional upregulation. <i>Toxicology and Applied Pharmacology</i> , 2010, 244, 344-353.	2.8	32
28	Association of caffeine to MDMA does not increase antinociception but potentiates adverse effects of this recreational drug. <i>Brain Research</i> , 2006, 1111, 72-82.	2.2	30
29	Repeated doses of methylone, a new drug of abuse, induce changes in serotonin and dopamine systems in the mouse. <i>Psychopharmacology</i> , 2014, 231, 3119-3129.	3.1	27
30	Alcohol enhances the psychostimulant and conditioning effects of mephedrone in adolescent mice; postulation of unique roles of D ₃ receptors and BDNF in place preference acquisition. <i>British Journal of Pharmacology</i> , 2015, 172, 4970-4984.	5.4	25
31	The combination of ethanol with mephedrone increases the signs of neurotoxicity and impairs neurogenesis and learning in adolescent CD-1 mice. <i>Toxicology and Applied Pharmacology</i> , 2016, 293, 10-20.	2.8	24
32	Exposure of adolescent mice to 3,4-methylenedioxypropylone increases the psychostimulant, rewarding and reinforcing effects of cocaine in adulthood. <i>British Journal of Pharmacology</i> , 2017, 174, 1161-1173.	5.4	24
33	Neuroprotective effects of (±)-huprine Y on in vitro and in vivo models of excitotoxicity damage. <i>Experimental Neurology</i> , 2003, 180, 123-130.	4.1	23
34	Serotonergic impairment and memory deficits in adolescent rats after binge exposure of methylone. <i>Journal of Psychopharmacology</i> , 2014, 28, 1053-1063.	4.0	21
35	Involvement of Nicotinic Receptors in Methamphetamine- and Mdma-Induced Neurotoxicity. <i>International Review of Neurobiology</i> , 2009, 88, 121-166.	2.0	20
36	Comparative neurochemical profile of 3,4-methylenedioxymethamphetamine and its metabolite alpha-methyl dopamine on key targets of MDMA neurotoxicity. <i>Neurochemistry International</i> , 2011, 58, 92-101.	3.8	20

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37	Heteromeric nicotinic receptors are involved in the sensitization and addictive properties of MDMA in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 44, 201-209.	4.8	20
38	Role of amino terminal substitutions in the pharmacological, rewarding and psychostimulant profiles of novel synthetic cathinones. <i>Neuropharmacology</i> , 2021, 186, 108475.	4.1	20
39	3-amino thioacridone, a selective cyclin-dependent kinase 4 inhibitor, attenuates kainic acid-induced apoptosis in neurons. <i>Neuroscience</i> , 2003, 120, 599-603.	2.3	19
40	MDMA enhances hippocampal-dependent learning and memory under restrictive conditions, and modifies hippocampal spine density. <i>Psychopharmacology</i> , 2014, 231, 863-874.	3.1	19
41	Neuroadaptive changes and behavioral effects after a sensitization regime of MDPV. <i>Neuropharmacology</i> , 2019, 144, 271-281.	4.1	19
42	Further characterization of an adenosine transport system in the mitochondrial fraction of rat testis. <i>European Journal of Pharmacology</i> , 2000, 398, 31-39.	3.5	16
43	Changes in CREB and deltaFosB are associated with the behavioural sensitization induced by methylenedioxypropylamphetamine. <i>Journal of Psychopharmacology</i> , 2016, 30, 707-712.	4.0	16
44	Adaptive Plasticity in the Hippocampus of Young Mice Intermittently Exposed to MDMA Could Be the Origin of Memory Deficits. <i>Molecular Neurobiology</i> , 2016, 53, 7271-7283.	4.0	16
45	The involvement of nicotinic receptor subtypes in the locomotor activity and analgesia induced by methamphetamine in mice. <i>Behavioural Pharmacology</i> , 2009, 20, 623-630.	1.7	15
46	3,4-Methylenedioxy-methamphetamine induces in vivo regional up-regulation of central nicotinic receptors in rats and potentiates the regulatory effects of nicotine on these receptors. <i>NeuroToxicology</i> , 2013, 35, 41-49.	3.0	15
47	Effects of MDPV on dopamine transporter regulation in male rats. Comparison with cocaine. <i>Psychopharmacology</i> , 2019, 236, 925-938.	3.1	15
48	Depression-like behavior is dependent on age in male SAMP8 mice. <i>Biogerontology</i> , 2013, 14, 165-176.	3.9	14
49	Tumour necrosis factor alpha suppression by MDMA is mediated by peripheral heteromeric nicotinic receptors. <i>Immunopharmacology and Immunotoxicology</i> , 2010, 32, 265-271.	2.4	13
50	Structure-Activity Relationship of Novel Second-Generation Synthetic Cathinones: Mechanism of Action, Locomotion, Reward, and Immediate-Early Genes. <i>Frontiers in Pharmacology</i> , 2021, 12, 749429.	3.5	13
51	U-83836E prevents kainic acid-induced neuronal damage. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1998, 357, 413-418.	3.0	12
52	Characterization of [³ H]nisoxetine binding in rat vas deferens membranes: Modulation by sigma and PCP ligands. <i>Life Sciences</i> , 1998, 62, 763-773.	4.3	11
53	Molecular basis of the selective binding of MDMA enantiomers to the alpha4beta2 nicotinic receptor subtype: Synthesis, pharmacological evaluation and mechanistic studies. <i>European Journal of Medicinal Chemistry</i> , 2014, 81, 35-46.	5.5	11
54	Effect of the combination of mephedrone plus ethanol on serotonin and dopamine release in the nucleus accumbens and medial prefrontal cortex of awake rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 247-254.	3.0	10

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55	Characterization and differentiation of peripheral-type benzodiazepine receptors in rat and human prostate. <i>Life Sciences</i> , 1994, 54, 759-767.	4.3	9
56	Memory impairment induced by amphetamine derivatives in laboratory animals and in humans: a review. <i>Biomolecular Concepts</i> , 2012, 3, 1-12.	2.2	9
57	3,4-Methylenedioxymethamphetamine enhances kainic acid convulsive susceptibility. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 54, 231-242.	4.8	9
58	Cross-reinstatement between 3,4-methylenedioxypropylamphetamine (MDPV) and cocaine using conditioned place preference. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 100, 109876.	4.8	9
59	Evaluation of neuronal cell death by laser scanning cytometry. <i>Brain Research Protocols</i> , 2002, 9, 41-48.	1.6	8
60	7,8-Dihydroxyflavone blocks the development of behavioral sensitization to MDPV, but not to cocaine: Differential role of the BDNF-TrkB pathway. <i>Biochemical Pharmacology</i> , 2019, 163, 84-93.	4.4	8
61	Neuropsychopharmacology of Emerging Drugs of Abuse: meta- and para-Halogen-Ring-Substituted \pm -PVP (α -flakka) Derivatives. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2226.	4.1	8
62	The combination of MDPV and ethanol results in decreased cathinone and increased alcohol levels. Study of such pharmacological interaction. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 76, 19-28.	4.8	7
63	Effects of MDMA on neuroplasticity, amyloid burden and phospho-tau expression in APP ^{swe} /PS1 ^{dE9} mice. <i>Journal of Psychopharmacology</i> , 2019, 33, 1170-1182.	4.0	7
64	Effect of PCP and sigma ligands on both noradrenaline- and electrically-induced contractions and on [³ H]-noradrenaline uptake in rat vas deferens. <i>Autonomic and Autacoid Pharmacology</i> , 1998, 18, 239-244.	0.6	6
65	Adolescent exposure to MDMA induces dopaminergic toxicity in substantia nigra and potentiates the amyloid plaque deposition in the striatum of APP ^{swe} /PS1 ^{dE9} mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1815-1826.	3.8	6
66	MK-801 enhances noradrenergic neurotransmission in rat vas deferens. <i>European Journal of Pharmacology</i> , 1996, 303, 171-175.	3.5	5
67	Effects of U-83836E on Glutamate-Induced Neurotoxicity in Dissociated Rat Cerebellar Granule Cells. <i>Toxicology and Applied Pharmacology</i> , 1999, 156, 1-5.	2.8	5
68	Assessment of the Adrenergic Effects of Orphenadrine in Rat Vas Deferens. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 51, 307-312.	2.4	5
69	Serotonin is involved in the psychostimulant and hypothermic effect of 4-methylamphetamine in rats. <i>Neuroscience Letters</i> , 2015, 590, 68-73.	2.1	5
70	Repeated administration of N-ethyl-pentadone induces increased aggression and impairs social exploration after withdrawal in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 117, 110562.	4.8	5
71	Neuronal Nicotinic Receptors as New Targets for Amphetamine-Induced Oxidative Damage and Neurotoxicity. <i>Pharmaceuticals</i> , 2011, 4, 822-847.	3.8	4
72	Response to Letter to the Editor from Westerink and Hondebrink. <i>Toxicology and Applied Pharmacology</i> , 2010, 249, 249-250.	2.8	2

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73	Protracted treatment with MDMA induces heteromeric nicotinic receptor up-regulation in the rat brain: An autoradiography study. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 53, 1-8.	4.8	2
74	Effects of High-Fat Diet and Maternal Binge-Like Alcohol Consumption and Their Influence on Cocaine Response in Female Mice Offspring. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 77-88.	2.1	2
75	Behavioural and neurochemical effects after repeated administration of Nâ€ethylpentylone (ephylone) in mice. <i>Journal of Neurochemistry</i> , 2021, , .	3.9	2
76	Impact of adolescent methamphetamine use on social cognition: A human-mice reverse translation study. <i>Drug and Alcohol Dependence</i> , 2022, 230, 109183.	3.2	1
77	Enantioselective Synthesis of the Ethyl Analog of the Marine Alkaloid Haliclorensin C. <i>Molecules</i> , 2019, 24, 1069.	3.8	0
78	Integrative In Vitro/Ex Vivo Assessment of in Rodents Using Striatal and Membrane Preparations. <i>Neuromethods</i> , 2021, , 443-457.	0.3	0
79	The BDNF-TrkB signaling pathway is involved differently in the development of locomotor sensitization and place conditioning by MDPV and cocaine. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-1-94.	0.0	0
80	Ethanol enhances the psychostimulant effect and the monoamine release induced by mephedrone in rats. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-1-86.	0.0	0