

Pia Weikop

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,483
citations

201385

27
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48
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58
all docs

58
docs citations

58
times ranked

4544
citing authors

#	ARTICLE	IF	CITATIONS
1	TFEB-mediated autophagy rescues midbrain dopamine neurons from α -synuclein toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1817-26.	3.3	600
2	Progressive neurodegenerative and behavioural changes induced by AAV-mediated overexpression of α -synuclein in midbrain dopamine neurons. Neurobiology of Disease, 2012, 45, 939-953.	2.1	222
3	The glucagon-like peptide 1 (GLP-1) receptor agonist exendin-4 reduces cocaine self-administration in mice. Physiology and Behavior, 2015, 149, 262-268.	1.0	94
4	Elevated levels of IL-6 and IL-18 in manic and hypomanic states in rapid cycling bipolar disorder patients. Brain, Behavior, and Immunity, 2015, 43, 205-213.	2.0	73
5	Increased cocaine self-administration in M4 muscarinic acetylcholine receptor knockout mice. Psychopharmacology, 2011, 216, 367-378.	1.5	68
6	The KCNQ Channel Opener Retigabine Inhibits the Activity of Mesencephalic Dopaminergic Systems of the Rat. Journal of Pharmacology and Experimental Therapeutics, 2006, 318, 1006-1019.	1.3	67
7	Simulation-based multiprofessional obstetric anaesthesia training conducted in situ versus off-site leads to similar individual and team outcomes: a randomised educational trial. BMJ Open, 2015, 5, e008344.	0.8	67
8	Direct Measurement of Cerebrospinal Fluid Production in Mice. Cell Reports, 2020, 33, 108524.	2.9	66
9	The Role of α 1- and α 2-Adrenoreceptors on Venlafaxine-induced Elevation of Extracellular Serotonin, Noradrenaline and Dopamine Levels in the Rat Prefrontal Cortex and Hippocampus. Journal of Psychopharmacology, 2004, 18, 395-403.	2.0	63
10	Glucagon-like peptide 1 receptor activation regulates cocaine actions and dopamine homeostasis in the lateral septum by decreasing arachidonic acid levels. Translational Psychiatry, 2016, 6, e809-e809.	2.4	60
11	The glucagon-like peptide 1 receptor agonist Exendin-4 decreases relapse-like drinking in socially housed mice. Pharmacology Biochemistry and Behavior, 2017, 160, 14-20.	1.3	56
12	Muscarinic Acetylcholine Receptor Subtypes as Potential Drug Targets for the Treatment of Schizophrenia, Drug Abuse, and Parkinson's Disease. ACS Chemical Neuroscience, 2012, 3, 80-89.	1.7	54
13	Hypericum perforatum L (St John's wort) preferentially increases extracellular dopamine levels in the rat prefrontal cortex. British Journal of Pharmacology, 2004, 142, 414-418.	2.7	50
14	Enriched environment enhances α 2-adrenergic signaling to prevent microglia inflammation by β -amyloid. EMBO Molecular Medicine, 2018, 10, .	3.3	50
15	The neuronal KCNQ channel opener retigabine inhibits locomotor activity and reduces forebrain excitatory responses to the psychostimulants cocaine, methylphenidate and phencyclidine. European Journal of Pharmacology, 2007, 570, 77-88.	1.7	49
16	Involvement of a Subpopulation of Neuronal M ₄ Muscarinic Acetylcholine Receptors in the Antipsychotic-like Effects of the M ₁ /M ₄ -Preferring Muscarinic Receptor Agonist Xanomeline. Journal of Neuroscience, 2011, 31, 5905-5908.	1.7	49
17	Targeting Dopamine D3 and Serotonin 5-HT1A and 5-HT2A Receptors for Developing Effective Antipsychotics: Synthesis, Biological Characterization, and Behavioral Studies. Journal of Medicinal Chemistry, 2014, 57, 9578-9597.	2.9	46
18	An allosteric enhancer of M4 muscarinic acetylcholine receptor function inhibits behavioral and neurochemical effects of cocaine. Psychopharmacology, 2012, 224, 277-287.	1.5	45

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19	Hyperactivity and lack of social discrimination in the adolescent Fmr1 knockout mouse. Behavioural Pharmacology, 2015, 26, 733-740.	0.8	39
20	Locomotor- and Reward-Enhancing Effects of Cocaine Are Differentially Regulated by Chemogenetic Stimulation of Gi-Signaling in Dopaminergic Neurons. ENeuro, 2018, 5, ENEURO.0345-17.2018.	0.9	39
21	'In situ simulation' versus 'off site simulation' in obstetric emergencies and their effect on knowledge, safety attitudes, team performance, stress, and motivation: study protocol for a randomized controlled trial. Trials, 2013, 14, 220.	0.7	38
22	Reciprocal effects of combined administration of serotonin, noradrenaline and dopamine reuptake inhibitors on serotonin and dopamine levels in the rat prefrontal cortex: the role of 5-HT _{1A} receptors. Journal of Psychopharmacology, 2007, 21, 795-804.	2.0	37
23	Differential effects of adjunctive methylphenidate and citalopram on extracellular levels of serotonin, noradrenaline and dopamine in the rat brain. European Neuropsychopharmacology, 2007, 17, 658-671.	0.3	36
24	Neuropeptide Y Y5 receptor antagonism attenuates cocaine-induced effects in mice. Psychopharmacology, 2012, 222, 565-577.	1.5	36
25	Central serotonin depletion affects rat brain areas differently: A qualitative and quantitative comparison between different treatment schemes. Neuroscience Letters, 2006, 392, 129-134.	1.0	34
26	Cerebral 5-HT release correlates with [¹¹ C]Cimbi36 PET measures of 5-HT _{2A} receptor occupancy in the pig brain. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 425-434.	2.4	31
27	The mechanism of a high-affinity allosteric inhibitor of the serotonin transporter. Nature Communications, 2020, 11, 1491.	5.8	30
28	Ketogenic Diet Suppresses Alcohol Withdrawal Syndrome in Rats. Alcoholism: Clinical and Experimental Research, 2018, 42, 270-277.	1.4	29
29	Tesofensine induces appetite suppression and weight loss with reversal of low forebrain dopamine levels in the diet-induced obese rat. Pharmacology Biochemistry and Behavior, 2013, 110, 265-271.	1.3	27
30	The novel compound (±)-1-[10-((E)-3-Phenyl-allyl)-3,10-diaza-bicyclo[4.3.1]dec-3-yl]-propan-1-one (NS7051) attenuates nociceptive transmission in animal models of experimental pain; a pharmacological comparison with the combined μ -opioid receptor agonist and monoamine reuptake inhibitor tramadol. Neuropharmacology, 2008, 54, 331-343.	2.0	26
31	Low Plasma Arginine:Asymmetric Dimethyl Arginine Ratios Predict Mortality After Intracranial Aneurysm Rupture. Stroke, 2013, 44, 1273-1281.	1.0	25
32	Application of triple-probe microdialysis for fast pharmacokinetic/pharmacodynamic evaluation of dopamimetic activity of drug candidates in the rat brain. Journal of Neuroscience Methods, 2004, 140, 59-65.	1.3	24
33	Enhanced self-administration of alcohol in muscarinic acetylcholine M4 receptor knockout mice. European Journal of Pharmacology, 2015, 746, 1-5.	1.7	24
34	Insensitivity of NMRI mice to selective serotonin reuptake inhibitors in the tail suspension test can be reversed by co-treatment with 5-hydroxytryptophan. Psychopharmacology, 2008, 199, 137-150.	1.5	22
35	Effect of recombinant erythropoietin on inflammatory markers in patients with affective disorders: A randomised controlled study. Brain, Behavior, and Immunity, 2016, 57, 53-57.	2.0	22
36	The Circadian Oscillator of the Cerebral Cortex: Molecular, Biochemical and Behavioral Effects of Deleting the <i>Arntl</i> Clock Gene in Cortical Neurons. Cerebral Cortex, 2018, 28, 644-657.	1.6	21

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37	Muscarinic receptor M4 positive allosteric modulators attenuate central effects of cocaine. <i>Drug and Alcohol Dependence</i> , 2017, 176, 154-161.	1.6	19
38	An approach for serotonin depletion in pigs: Effects on serotonin receptor binding. <i>Synapse</i> , 2011, 65, 136-145.	0.6	18
39	Preserved dopaminergic homeostasis and dopamine-related behaviour in hemizygous <i>TH</i> ^{Cre} mice. <i>European Journal of Neuroscience</i> , 2017, 45, 121-128.	1.2	16
40	Parkinson patients have a presynaptic serotonergic deficit: A dynamic deep brain stimulation PET study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 0271678X2098238.	2.4	16
41	PICK1-Deficient Mice Exhibit Impaired Response to Cocaine and Dysregulated Dopamine Homeostasis. <i>ENeuro</i> , 2018, 5, ENEURO.0422-17.2018.	0.9	14
42	Assessment of Dopaminergic Homeostasis in Mice by Use of High-performance Liquid Chromatography Analysis and Synaptosomal Dopamine Uptake. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	13
43	Cerebral serotonin release correlates with [¹¹ C]AZ10419369 PET measures of 5-HT _{1B} receptor binding in the pig brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1243-1252.	2.4	13
44	Effects of muscarinic M1 receptor stimulation on reinforcing and neurochemical effects of cocaine in rats. <i>Neuropsychopharmacology</i> , 2020, 45, 1994-2002.	2.8	8
45	Serotonin depletion results in a decrease of the neuronal activation caused by rivastigmine in the rat hippocampus. <i>Brain Research</i> , 2006, 1073-1074, 262-268.	1.1	7
46	The pan-Kv7 (<i>KCNQ</i>) Channel Opener Retigabine Inhibits Striatal Excitability by Direct Action on Striatal Neurons <i>In Vivo</i> . <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 120, 46-51.	1.2	7
47	Decreased spontaneous activity in AMPK \pm muscle specific kinase dead mice is not caused by changes in brain dopamine metabolism. <i>Physiology and Behavior</i> , 2016, 164, 300-305.	1.0	5
48	Disruption of the PDZ domain-binding motif of the dopamine transporter uniquely alters nanoscale distribution, dopamine homeostasis, and reward motivation. <i>Journal of Biological Chemistry</i> , 2021, 297, 101361.	1.6	5
49	The role of central serotonergic markers and estradiol changes in perinatal mental health. <i>Acta Psychiatrica Scandinavica</i> , 2022, 146, 357-369.	2.2	5
50	Monoamine transporters as continuing targets for drug discovery in depression. <i>Drug Discovery Today: Therapeutic Strategies</i> , 2004, 1, 111-116.	0.5	4
51	Electro convulsive therapy: Modification of its effect on the autonomic nervous system using anti-cholinergic drugs. <i>Psychiatry Research</i> , 2019, 271, 239-246.	1.7	4
52	Inactivation of the cholinergic M4 receptor results in a disinhibited endophenotype predicting alcohol use. <i>Behavioural Brain Research</i> , 2022, 430, 113921.	1.2	1
53	Mechanistic Characterization of the Allosteric Communications between the Central Binding Site and the Extracellular Vestibule of the Serotonin Transporter. <i>Biophysical Journal</i> , 2019, 116, 557a.	0.2	0
54	An fMRI-compatible system for targeted electrical stimulation. <i>Journal of Neuroscience Methods</i> , 2022, 378, 109659.	1.3	0