

Alan L Pehrson

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,487
citations

279798

23
h-index

197818

49
g-index

52
all docs

52
docs citations

52
times ranked

2649
citing authors

#	ARTICLE	IF	CITATIONS
1	Brexipiprazole I: In Vitro and In Vivo Characterization of a Novel Serotonin-Dopamine Activity Modulator. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 350, 589-604.	2.5	284
2	Pharmacological Effects of Lu AA21004: A Novel Multimodal Compound for the Treatment of Major Depressive Disorder. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 340, 666-675.	2.5	254
3	Lu AA21004, a novel multimodal antidepressant, produces regionally selective increases of multiple neurotransmittersâ€”A rat microdialysis and electrophysiology study. <i>European Neuropsychopharmacology</i> , 2013, 23, 133-145.	0.7	139
4	Serotonergic modulation of glutamate neurotransmission as a strategy for treating depression and cognitive dysfunction. <i>CNS Spectrums</i> , 2014, 19, 121-133.	1.2	127
5	Vortioxetine dose-dependently reverses 5-HT depletion-induced deficits in spatial working and object recognition memory: A potential role for 5-HT1A receptor agonism and 5-HT3 receptor antagonism. <i>European Neuropsychopharmacology</i> , 2014, 24, 160-171.	0.7	119
6	Altered γ -aminobutyric acid neurotransmission in major depressive disorder: a critical review of the supporting evidence and the influence of γ -aminobutyric acid neurotransmission. <i>Drug Design, Development and Therapy</i> , 2015, 9, 603.	4.3	117
7	Effects of serotonin in the hippocampus: how SSRIs and multimodal antidepressants might regulate pyramidal cell function. <i>CNS Spectrums</i> , 2016, 21, 143-161.	1.2	110
8	Antidepressant and anxiolytic potential of the multimodal antidepressant vortioxetine (Lu AA21004) assessed by behavioural and neurogenesis outcomes in mice. <i>Neuropharmacology</i> , 2013, 73, 147-159.	4.1	108
9	Vortioxetine restores reversal learning impaired by 5-HT depletion or chronic intermittent cold stress in rats. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 1695-1706.	2.1	96
10	Serotonergic Regulation of Prefrontal Cortical Circuitries Involved in Cognitive Processing: A Review of Individual 5-HT Receptor Mechanisms and Concerted Effects of 5-HT Receptors Exemplified by the Multimodal Antidepressant Vortioxetine. <i>ACS Chemical Neuroscience</i> , 2015, 6, 970-986.	3.5	93
11	Vortioxetine, but not escitalopram or duloxetine, reverses memory impairment induced by central 5-HT depletion in rats: Evidence for direct 5-HT receptor modulation. <i>European Neuropsychopharmacology</i> , 2014, 24, 148-159.	0.7	92
12	Treatment of cognitive dysfunction in major depressive disorderâ€”a review of the preclinical evidence for efficacy of selective serotonin reuptake inhibitors, serotoninâ€”norepinephrine reuptake inhibitors and the multimodal-acting antidepressant vortioxetine. <i>European Journal of Pharmacology</i> , 2015, 753, 19-31.	3.5	75
13	Reversal of age-associated cognitive deficits is accompanied by increased plasticity-related gene expression after chronic antidepressant administration in middle-aged mice. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 135, 70-82.	2.9	70
14	A critical evaluation of the activity-regulated cytoskeleton-associated protein (Arc/Arg3.1)'s putative role in regulating dendritic plasticity, cognitive processes, and mood in animal models of depression. <i>Frontiers in Neuroscience</i> , 2015, 9, 279.	2.8	65
15	A rodent model of premenstrual dysphoria: Progesterone withdrawal induces depression-like behavior that is differentially sensitive to classes of antidepressants. <i>Behavioural Brain Research</i> , 2012, 234, 238-247.	2.2	64
16	The rapid recovery of 5-HT cell firing induced by the antidepressant vortioxetine involves 5-HT3 receptor antagonism. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 1115-1127.	2.1	52
17	Multimodal antidepressant vortioxetine increases frontal cortical oscillations unlike escitalopram and duloxetine â€” a quantitative EEG study in rats. <i>British Journal of Pharmacology</i> , 2014, 171, 4255-4272.	5.4	51
18	Effect of the multimodal acting antidepressant vortioxetine on rat hippocampal plasticity and recognition memory. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 58, 38-46.	4.8	51

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19	The influence of NMDA and GABAA receptors and glutamic acid decarboxylase (GAD) activity on attention. <i>Psychopharmacology</i> , 2013, 225, 31-39.	3.1	49
20	Impact of metabotropic glutamate 2/3 receptor stimulation on activated dopamine release and locomotion. <i>Psychopharmacology</i> , 2010, 211, 443-455.	3.1	38
21	Regional distribution of serotonergic receptors: a systems neuroscience perspective on the downstream effects of the multimodal-acting antidepressant vortioxetine on excitatory and inhibitory neurotransmission. <i>CNS Spectrums</i> , 2016, 21, 162-183.	1.2	30
22	A 5-HT ₃ receptor antagonist potentiates the behavioral, neurochemical and electrophysiological actions of an SSRI antidepressant. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 131, 136-142.	2.9	27
23	Serotonin receptor mechanisms mediate the discriminative stimulus properties of the atypical antipsychotic clozapine in C57BL/6 mice. <i>Psychopharmacology</i> , 2005, 180, 49-56.	3.1	24
24	Vortioxetine Treatment Reverses Subchronic PCP Treatment-Induced Cognitive Impairments: A Potential Role for Serotonin Receptor-Mediated Regulation of GABA Neurotransmission. <i>Frontiers in Pharmacology</i> , 2018, 9, 162.	3.5	24
25	The interaction of escitalopram and R-citalopram at the human serotonin transporter investigated in the mouse. <i>Psychopharmacology</i> , 2014, 231, 4527-4540.	3.1	23
26	Task- and Treatment Length-Dependent Effects of Vortioxetine on Scopolamine-Induced Cognitive Dysfunction and Hippocampal Extracellular Acetylcholine in Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 358, 472-482.	2.5	20
27	The multimodal antidepressant vortioxetine may facilitate pyramidal cell firing by inhibition of 5-HT ₃ receptor expressing interneurons: An in vitro study in rat hippocampus slices. <i>Brain Research</i> , 2018, 1689, 1-11.	2.2	20
28	Effects of vortioxetine on biomarkers associated with glutamatergic activity in an SSRI insensitive model of depression in female rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 82, 332-338.	4.8	20
29	Discriminative stimulus properties of the atypical antipsychotic drug clozapine in rats trained to discriminate 1.25% mg/kg clozapine vs. 5.0% mg/kg clozapine vs. vehicle. <i>Behavioural Pharmacology</i> , 2006, 17, 185-194.	1.7	18
30	Chronic vortioxetine treatment in rodents modulates gene expression of neurodevelopmental and plasticity markers. <i>European Neuropsychopharmacology</i> , 2017, 27, 192-203.	0.7	18
31	Differentiated effects of the multimodal antidepressant vortioxetine on sleep architecture: Part 2, pharmacological interactions in rodents suggest a role of serotonin-3 receptor antagonism. <i>Journal of Psychopharmacology</i> , 2015, 29, 1092-1105.	4.0	15
32	Generalization to atypical antipsychotic drugs depends on training dose in rats trained to discriminate 1.25% mg/kg clozapine versus 5.0% mg/kg clozapine versus vehicle in a three-choice drug discrimination task. <i>Behavioural Pharmacology</i> , 2005, 16, 511-520.	1.7	14
33	In vivo and in vitro effects of vortioxetine on molecules associated with neuroplasticity. <i>Journal of Psychopharmacology</i> , 2017, 31, 365-376.	4.0	14
34	A study of time- and sex-dependent effects of vortioxetine on rat sexual behavior: Possible roles of direct receptor modulation. <i>Neuropharmacology</i> , 2017, 121, 89-99.	4.1	13
35	Acute effects of vortioxetine and duloxetine on resting-state functional connectivity in the awake rat. <i>Neuropharmacology</i> , 2018, 128, 379-387.	4.1	13
36	Vortioxetine Reduces Marble Burying but Only Transiently Enhances Social Interaction Preference in Adult Male BTBR T ⁺ /J Mice. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4319-4327.	3.5	13

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37	Acute nicotine reduces and repeated nicotine increases spontaneous activity in male and female Lewis rats. <i>Pharmacology Biochemistry and Behavior</i> , 2008, 91, 150-154.	2.9	12
38	Histamine may contribute to vortioxetine's procognitive effects; possibly through an orexigenic mechanism. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 68, 25-30.	4.8	12
39	Serotonin Transporter-Independent Actions of the Antidepressant Vortioxetine As Revealed Using the SERT Met172 Mouse. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1092-1100.	3.5	12
40	Impact of Vortioxetine on Synaptic Integration in Prefrontal-Subcortical Circuits: Comparisons with Escitalopram. <i>Frontiers in Pharmacology</i> , 2017, 8, 764.	3.5	12
41	The effects of acute and repeated nicotine doses on spontaneous activity in male and female Sprague Dawley rats: Analysis of brain area epibatidine binding and cotinine levels. <i>Pharmacology Biochemistry and Behavior</i> , 2008, 89, 424-431.	2.9	11
42	The role of M1 muscarinic cholinergic receptors in the discriminative stimulus properties of N-desmethylclozapine and the atypical antipsychotic drug clozapine in rats. <i>Psychopharmacology</i> , 2009, 203, 295-301.	3.1	11
43	The role of serotonin neurotransmission in rapid antidepressant actions. <i>Psychopharmacology</i> , 2022, 239, 1823-1838.	3.1	9
44	Neuroplasticity pathways and protein-interaction networks are modulated by vortioxetine in rodents. <i>BMC Neuroscience</i> , 2017, 18, 56.	1.9	8
45	Vortioxetine Improves Context Discrimination in Mice Through a Neurogenesis Independent Mechanism. <i>Frontiers in Pharmacology</i> , 2018, 9, 204.	3.5	8
46	Generalization testing with atypical and typical antipsychotic drugs in rats trained to discriminate 5.0 mg/kg clozapine from vehicle in a two-choice drug discrimination task. <i>Drug Development Research</i> , 2005, 64, 55-65.	2.9	7
47	Frontal cortex dysfunction as a target for remediation in opiate use disorder: Role in cognitive dysfunction and disordered reward systems. <i>Progress in Brain Research</i> , 2018, 239, 179-227.	1.4	7
48	Discriminative stimulus properties of 1.25 mg/kg clozapine in rats: Mediation by serotonin 5-HT ₂ and dopamine D ₄ receptors. <i>Brain Research</i> , 2016, 1648, 298-305.	2.2	6
49	Vortioxetine Differentially Modulates MK-801-Induced Changes in Visual Signal Detection Task Performance and Locomotor Activity. <i>Frontiers in Pharmacology</i> , 2018, 9, 1024.	3.5	5
50	The antidepressant drugs fluoxetine and duloxetine produce anxiolytic-like effects in a schedule-induced polydipsia paradigm in rats. <i>Behavioural Pharmacology</i> , 2015, 26, 489-494.	1.7	4
51	Vortioxetine Improves Mood and Cognitive Function in Animal Models of Psychiatric Disease: Relevance of 5-HT ₃ Receptor-Mediated Regulation of GABA and Glutamate Neurotransmission. <i>Biological Psychiatry</i> , 2021, 89, S26.	1.3	2