

Albert Adell

List of Publications by Year in descending order

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76
papers

4,709
citations

87843

38
h-index

98753

67
g-index

77
all docs

77
docs citations

77
times ranked

4596
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-expression and In Vivo Interaction of Serotonin1A and Serotonin2A Receptors in Pyramidal Neurons of Prefrontal Cortex. <i>Cerebral Cortex</i> , 2004, 14, 281-299.	1.6	316
2	The therapeutic role of 5-HT1A and 5-HT2A receptors in depression. <i>Journal of Psychiatry and Neuroscience</i> , 2004, 29, 252-65.	1.4	292
3	Origin and functional role of the extracellular serotonin in the midbrain raphe nuclei. <i>Brain Research Reviews</i> , 2002, 39, 154-180.	9.1	229
4	Chronic Stress Increases Serotonin and Noradrenaline in Rat Brain and Sensitizes Their Responses to a Further Acute Stress. <i>Journal of Neurochemistry</i> , 1988, 50, 1678-1681.	2.1	206
5	Differential effects of clomipramine given locally or systemically on extracellular 5-hydroxytryptamine in raphe nuclei and frontal cortex. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1991, 343, 237-44.	1.4	199
6	Comparative Study in the Rat of the Actions of Different Types of Stress on the Release of 5-HT in Raphe Nuclei and Forebrain Areas. <i>Neuropharmacology</i> , 1997, 36, 735-741.	2.0	199
7	Cannabidiol induces rapid-acting antidepressant-like effects and enhances cortical 5-HT/glutamate neurotransmission: role of 5-HT1A receptors. <i>Neuropharmacology</i> , 2016, 103, 16-26.	2.0	198
8	How does pindolol improve antidepressant action?. <i>Trends in Pharmacological Sciences</i> , 2001, 22, 224-228.	4.0	175
9	Clozapine and Haloperidol Differently Suppress the MK-801-Increased Glutamatergic and Serotonergic Transmission in the Medial Prefrontal Cortex of the Rat. <i>Neuropsychopharmacology</i> , 2007, 32, 2087-2097.	2.8	167
10	The somatodendritic release of dopamine in the ventral tegmental area and its regulation by afferent transmitter systems. <i>Neuroscience and Biobehavioral Reviews</i> , 2004, 28, 415-431.	2.9	151
11	In Vivo Brain Dialysis Study of the Somatodendritic Release of Serotonin in the Raphe Nuclei of the Rat: Effects of 8-Hydroxy-2-(Di-n-Propylamino)tetralin. <i>Journal of Neurochemistry</i> , 1993, 60, 1673-1681.	2.1	131
12	Strategies for producing faster acting antidepressants. <i>Drug Discovery Today</i> , 2005, 10, 578-585.	3.2	122
13	Is the Acute NMDA Receptor Hypofunction a Valid Model of Schizophrenia?. <i>Schizophrenia Bulletin</i> , 2012, 38, 9-14.	2.3	119
14	Brain NMDA Receptors in Schizophrenia and Depression. <i>Biomolecules</i> , 2020, 10, 947.	1.8	114
15	The role of 5-HT1B receptors in the regulation of serotonin cell firing and release in the rat brain. <i>Journal of Neurochemistry</i> , 2008, 79, 172-182.	2.1	107
16	Pindolol Augmentation of Antidepressant Response. <i>Current Drug Targets</i> , 2006, 7, 139-147.	1.0	100
17	Expression of GDNF transgene in astrocytes improves cognitive deficits in aged rats. <i>Neurobiology of Aging</i> , 2008, 29, 1366-1379.	1.5	94
18	Role of uptake inhibition and autoreceptor activation in the control of 5-HT release in the frontal cortex and dorsal hippocampus of the rat. <i>British Journal of Pharmacology</i> , 2000, 130, 160-166.	2.7	91

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19	Clozapine and olanzapine, but not haloperidol, suppress serotonin efflux in the medial prefrontal cortex elicited by phencyclidine and ketamine. <i>International Journal of Neuropsychopharmacology</i> , 2006, 9, 565.	1.0	88
20	Regional Distribution of Extracellular 5-Hydroxytryptamine and 5-Hydroxyindoleacetic Acid in the Brain of Freely Moving Rats. <i>Journal of Neurochemistry</i> , 1991, 56, 709-712.	2.1	76
21	In vivo efflux of serotonin in the dorsal raphe nucleus of 5-HT _{1A} receptor knockout mice. <i>Journal of Neurochemistry</i> , 2004, 88, 1373-1379.	2.1	74
22	Time course of changes in serotonin and noradrenaline in rat brain after predictable or unpredictable shock. <i>Brain Research</i> , 1988, 459, 54-59.	1.1	70
23	Brain-derived neurotrophic factor modulates dopaminergic deficits in a transgenic mouse model of Huntington's disease. <i>Journal of Neurochemistry</i> , 2005, 93, 1057-1068.	2.1	67
24	Unraveling Monoamine Receptors Involved in the Action of Typical and Atypical Antipsychotics on Glutamatergic and Serotonergic Transmission in Prefrontal Cortex. <i>Current Pharmaceutical Design</i> , 2010, 16, 502-515.	0.9	66
25	A microdialysis study of the in vivo release of 5-HT in the median raphe nucleus of the rat. <i>British Journal of Pharmacology</i> , 1998, 125, 1361-1367.	2.7	65
26	Action of harman (1-methyl- β -carboline) on the brain: Body temperature and in vivo efflux of 5-HT from hippocampus of the rat. <i>Neuropharmacology</i> , 1996, 35, 1101-1107.	2.0	64
27	The Role of GluN2A and GluN2B Subunits on the Effects of NMDA Receptor Antagonists in Modeling Schizophrenia and Treating Refractory Depression. <i>Neuropsychopharmacology</i> , 2014, 39, 2673-2680.	2.8	64
28	Activation of AMPA Receptors Mediates the Antidepressant Action of Deep Brain Stimulation of the Infralimbic Prefrontal Cortex. <i>Cerebral Cortex</i> , 2016, 26, 2778-2789.	1.6	60
29	In vivo modulation of 5-hydroxytryptamine release in mouse prefrontal cortex by local 5-HT _{2A} receptors: effect of antipsychotic drugs. <i>European Journal of Neuroscience</i> , 2003, 18, 1235-1246.	1.2	57
30	Simultaneous comparison of cerebral dialysis and push-pull perfusion in the brain of rats: a critical review. <i>Neuroscience and Biobehavioral Reviews</i> , 1998, 22, 371-387.	2.9	54
31	Regulation of the release of 5-hydroxytryptamine in the median raphe nucleus of the rat by catecholaminergic afferents. <i>European Journal of Neuroscience</i> , 1999, 11, 2305-2311.	1.2	54
32	Stimulation of β -1-adrenoceptors in the rat medial prefrontal cortex increases the local in vivo 5-hydroxytryptamine release: reversal by antipsychotic drugs. <i>Journal of Neurochemistry</i> , 2004, 87, 831-842.	2.1	53
33	Role of different monoamine receptors controlling MK-801-induced release of serotonin and glutamate in the medial prefrontal cortex: relevance for antipsychotic action. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 487.	1.0	47
34	Behavioral, neurochemical and molecular changes after acute deep brain stimulation of the infralimbic prefrontal cortex. <i>Neuropharmacology</i> , 2016, 108, 91-102.	2.0	46
35	Increased alcohol intake in low alcohol drinking rats after chronic infusion of the β -carboline harman into the hippocampus. <i>Pharmacology Biochemistry and Behavior</i> , 1994, 49, 949-953.	1.3	45
36	Role of Serotonin and Noradrenaline in the Rapid Antidepressant Action of Ketamine. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3318-3326.	1.7	43

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37	In Vitro and In Vivo Activation of Astrocytes by Amyloid- β^2 is Potentiated by Pro-Oxidant Agents. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 229-245.	1.2	42
38	Expression of 5-HT _{2A} receptors in prefrontal cortex pyramidal neurons projecting to nucleus accumbens. Potential relevance for atypical antipsychotic action. <i>Neuropharmacology</i> , 2014, 79, 49-58.	2.0	42
39	Antidepressant Properties of Substance P Antagonists: Relationship to Monoaminergic Mechanisms?. <i>CNS and Neurological Disorders</i> , 2004, 3, 113-121.	4.3	42
40	GABAB-RI receptors in serotonergic neurons. <i>NeuroReport</i> , 2000, 11, 941-945.	0.6	34
41	Selective destruction of midbrain raphe nuclei by 5,7-DHT: is brain 5-HT involved in alcohol drinking in Sprague-Dawley rats?. <i>Brain Research</i> , 1995, 693, 70-79.	1.1	33
42	Neurotransmitter and neuromodulatory mechanisms involved in alcohol abuse and alcoholism: Epitome of cerebral complexity. <i>Neurochemistry International</i> , 1995, 26, 337-342.	1.9	32
43	Quantitation of total MHPG in the rat brain using a non enzymatic hydrolysis procedure. Effects of drugs. <i>Life Sciences</i> , 1986, 39, 1571-1578.	2.0	31
44	Cannabidiol antidepressant-like effect in the lipopolysaccharide model in mice: Modulation of inflammatory pathways. <i>Biochemical Pharmacology</i> , 2021, 185, 114433.	2.0	31
45	Expression of parvalbumin and glutamic acid decarboxylase-67 after acute administration of MK-801. Implications for the NMDA hypofunction model of schizophrenia. <i>Psychopharmacology</i> , 2011, 217, 231-238.	1.5	30
46	Importance of inter-hemispheric prefrontal connection in the effects of non-competitive NMDA receptor antagonists. <i>International Journal of Neuropsychopharmacology</i> , 2012, 15, 945-956.	1.0	29
47	Chronic administration of clomipramine prevents the increase in serotonin and noradrenaline induced by chronic stress. <i>Psychopharmacology</i> , 1989, 99, 22-26.	1.5	26
48	Effects of acute olanzapine after sustained fluoxetine on extracellular monoamine levels in the rat medial prefrontal cortex. <i>European Journal of Pharmacology</i> , 2005, 516, 235-238.	1.7	26
49	Antipsychotic drugs reverse the AMPA receptor-stimulated release of 5-HT in the medial prefrontal cortex. <i>Journal of Neurochemistry</i> , 2007, 102, 550-561.	2.1	25
50	Certain Forms of Matrix Metalloproteinase-9 Accumulate in the Extracellular Space after Microdialysis Probe Implantation and Middle Cerebral Artery Occlusion/Reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 918-925.	2.4	24
51	Antidepressant-Like Effects of CX717, a Positive Allosteric Modulator of AMPA Receptors. <i>Molecular Neurobiology</i> , 2020, 57, 3498-3507.	1.9	21
52	5-HT, dopamine, norepinephrine, and related metabolites in brain of low alcohol drinking (LAD) rats shift after chronic intra-hippocampal infusion of harman. <i>Neurochemical Research</i> , 1995, 20, 209-215.	1.6	18
53	Revisiting the role of raphe and serotonin in neuropsychiatric disorders. <i>Journal of General Physiology</i> , 2015, 145, 257-259.	0.9	18
54	mTOR Knockdown in the Infralimbic Cortex Evokes A Depressive-like State in Mouse. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8671.	1.8	18

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55	Signaling pathways responsible for the rapid antidepressant-like effects of a GluN2A-preferring NMDA receptor antagonist. <i>Translational Psychiatry</i> , 2018, 8, 84.	2.4	17
56	Characterization of oscillatory changes in hippocampus and amygdala after deep brain stimulation of the infralimbic prefrontal cortex. <i>Physiological Reports</i> , 2016, 4, e12854.	0.7	16
57	Effects of Acute Stress on the Oscillatory Activity of the Hippocampusâ€“Amygdalaâ€“Prefrontal Cortex Network. <i>Neuroscience</i> , 2021, 476, 72-89.	1.1	8
58	Serotonin Interaction with Other Transmitter Systems. <i>Handbook of Behavioral Neuroscience</i> , 2010, , 259-276.	0.7	6
59	Neural oscillations in the infralimbic cortex after electrical stimulation of the amygdala. Relevance to acute stress processing. <i>Journal of Comparative Neurology</i> , 2018, 526, 1403-1416.	0.9	6
60	Lesioning of midbrain raphe nuclei with 5,7-DHT fails to alter ethanol intake in the low alcohol drinking (LAD) rat. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1996, 20, 473-481.	2.5	4
61	In Vivo Brain Microdialysis: Principles and Applications. , 0, , 1-34.		4
62	β -Catenin Role in the Vulnerability/Resilience to Stress-Related Disorders Is Associated to Changes in the Serotonergic System. <i>Molecular Neurobiology</i> , 2020, 57, 1704-1715.	1.9	4
63	Effects of Clomipramine on Extracellular Serotonin in the Rat Frontal Cortex. <i>Advances in Experimental Medicine and Biology</i> , 1991, 294, 451-454.	0.8	4
64	Non-specific inhibition of imipramine binding argues against an endogenous ligand. <i>European Journal of Pharmacology</i> , 1990, 181, 9-15.	1.7	3
65	Structural connectivity and subcellular changes after antidepressant doses of ketamine and Ro 25-6981 in the rat: an MRI and immuno-labeling study. <i>Brain Structure and Function</i> , 2021, 226, 2603-2616.	1.2	3
66	Molecular Signaling Mechanisms for the Antidepressant Effects of NLX-101, a Selective Cortical 5-HT1A Receptor Biased Agonist. <i>Pharmaceuticals</i> , 2022, 15, 337.	1.7	3
67	Blockade of MK-801-Induced Heat Shock Protein 72/73 in Rat Brain by Antipsychotic and Monoaminergic Agents Targeting D2, 5-HT _{1A} , 5-HT _{2A} and α -Adrenergic Receptors. <i>CNS and Neurological Disorders - Drug Targets</i> , 2014, 13, 104-111.	0.8	2
68	Synthesis of Dopamine and 5-HT in Anatomical Regions of the Rat's Brain is Unaffected by Sustained Infusion of Amperozide. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1995, 77, 341-345.	0.0	1
69	Chapter 6.3 The use of brain microdialysis in antidepressant drug research. <i>Handbook of Behavioral Neuroscience</i> , 2006, , 527-543.	0.7	1
70	Editorial [Hot topic: New Strategies in the Search of Antipsychotic Drugs (Executive Editor: Albert Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.9	1
71	Modulation of the Neuronal Activity and Neurotransmitter Release by 5-HT1A and 5-HT1B/1D Receptors. , 2006, , 365-401.		1
72	The Raphe nuclei as a preferential target for antidepressant drugs acting on the 5-HT system: in vivo microdialysis studies in freely-moving rats. <i>European Neuropsychopharmacology</i> , 1992, 2, 276-277.	0.3	0

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73	Sympathomimetic effects of pindolol in depression. Trends in Pharmacological Sciences, 2001, 22, 554-555.	4.0	0
74	AMPA Receptor Potentiators as Potential Rapid-Acting Antidepressants. Contemporary Clinical Neuroscience, 2021, , 85-109.	0.3	0
75	Microdialysis. , 2013, , 1-8.		0
76	Experimental Research. , 0, , 449-489.		0