

Manuella Kaster

List of Publications by Year in descending order

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79
papers

3,754
citations

126858

33
h-index

133188

59
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79
all docs

79
docs citations

79
times ranked

5245
citing authors

#	ARTICLE	IF	CITATIONS
1	Adenosine receptors and brain diseases: Neuroprotection and neurodegeneration. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1380-1399.	1.4	361
2	NLRP3 inflammasome-driven pathways in depression: Clinical and preclinical findings. <i>Brain, Behavior, and Immunity</i> , 2017, 64, 367-383.	2.0	295
3	Depressive-like behavior induced by tumor necrosis factor- α in mice. <i>Neuropharmacology</i> , 2012, 62, 419-426.	2.0	252
4	Caffeine acts through neuronal adenosine A _{2A} receptors to prevent mood and memory dysfunction triggered by chronic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7833-7838.	3.3	248
5	Adenosine administration produces an antidepressant-like effect in mice: evidence for the involvement of A1 and A2A receptors. <i>Neuroscience Letters</i> , 2004, 355, 21-24.	1.0	130
6	Folic acid administration produces an antidepressant-like effect in mice: Evidence for the involvement of the serotonergic and noradrenergic systems. <i>Neuropharmacology</i> , 2008, 54, 464-473.	2.0	118
7	Antidepressant-like effect of the novel thiazolidinone NP031115 in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008, 32, 1549-1556.	2.5	116
8	Antidepressant-like effect of the extract from leaves of <i>Schinus molle</i> L. in mice: Evidence for the involvement of the monoaminergic system. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007, 31, 421-428.	2.5	106
9	Effects of potassium channel inhibitors in the forced swimming test: Possible involvement of l-arginine-nitric oxide-soluble guanylate cyclase pathway. <i>Behavioural Brain Research</i> , 2005, 165, 204-209.	1.2	94
10	Involvement of nitric oxide-cGMP pathway in the antidepressant-like effects of adenosine in the forced swimming test. <i>International Journal of Neuropsychopharmacology</i> , 2005, 8, 601.	1.0	86
11	Neuroprotective and antioxidant effects of curcumin in a ketamine-induced model of mania in rats. <i>European Journal of Pharmacology</i> , 2014, 724, 132-139.	1.7	79
12	Mechanisms involved in the antinociception caused by melatonin in mice. <i>Journal of Pineal Research</i> , 2006, 41, 382-389.	3.4	77
13	Potential Role of Vitamin D for the Management of Depression and Anxiety. <i>CNS Drugs</i> , 2019, 33, 619-637.	2.7	76
14	Adenosine A2A Receptors in the Amygdala Control Synaptic Plasticity and Contextual Fear Memory. <i>Neuropsychopharmacology</i> , 2016, 41, 2862-2871.	2.8	75
15	Antidepressant-like effect of the organoselenium compound ebselen in mice: Evidence for the involvement of the monoaminergic system. <i>European Journal of Pharmacology</i> , 2009, 602, 85-91.	1.7	74
16	Depression and peripheral inflammatory profile of patients with obesity. <i>Psychoneuroendocrinology</i> , 2018, 91, 132-141.	1.3	73
17	Involvement of 5-HT1A receptors in the antidepressant-like effect of adenosine in the mouse forced swimming test. <i>Brain Research Bulletin</i> , 2005, 67, 53-61.	1.4	68
18	Antidepressant-like effect of folic acid: Involvement of NMDA receptors and l-arginine-nitric oxide-cyclic guanosine monophosphate pathway. <i>European Journal of Pharmacology</i> , 2008, 598, 37-42.	1.7	65

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19	Antidepressant-like effect of lamotrigine in the mouse forced swimming test: Evidence for the involvement of the noradrenergic system. <i>European Journal of Pharmacology</i> , 2007, 565, 119-124.	1.7	62
20	Caffeine Reverts Memory But Not Mood Impairment in a Depression-Prone Mouse Strain with Up-Regulated Adenosine A2A Receptor in Hippocampal Glutamate Synapses. <i>Molecular Neurobiology</i> , 2017, 54, 1552-1563.	1.9	55
21	Antidepressant-like effect of lectin from <i>Canavalia brasiliensis</i> (ConBr) administered centrally in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2006, 85, 160-169.	1.3	54
22	Curcumin in depressive disorders: An overview of potential mechanisms, preclinical and clinical findings. <i>European Journal of Pharmacology</i> , 2016, 784, 192-198.	1.7	51
23	Immune dysfunction in bipolar disorder and suicide risk: is there an association between peripheral corticotropin-releasing hormone and interleukin-1 β ? <i>Bipolar Disorders</i> , 2014, 16, 741-747.	1.1	49
24	Gender-based differences in oxidative stress parameters do not underlie the differences in mood disorders susceptibility between sexes. <i>European Psychiatry</i> , 2014, 29, 58-63.	0.1	46
25	Interleukin-1 β is associated with depressive episode in major depression but not in bipolar disorder. <i>Journal of Psychiatric Research</i> , 2013, 47, 2011-2014.	1.5	45
26	Moderate Long-Term Modulation of Neuropeptide Y in Hypothalamic Arcuate Nucleus Induces Energy Balance Alterations in Adult Rats. <i>PLoS ONE</i> , 2011, 6, e22333.	1.1	44
27	The antidepressant-like effect of inosine in the FST is associated with both adenosine A1 and A2A receptors. <i>Purinergic Signalling</i> , 2013, 9, 481-486.	1.1	44
28	Therapeutic Potential of Ursolic Acid to Manage Neurodegenerative and Psychiatric Diseases. <i>CNS Drugs</i> , 2017, 31, 1029-1041.	2.7	44
29	Pharmacological evidence for the involvement of the opioid system in the antidepressant-like effect of adenosine in the mouse forced swimming test. <i>European Journal of Pharmacology</i> , 2007, 576, 91-98.	1.7	43
30	The inhibition of different types of potassium channels underlies the antidepressant-like effect of adenosine in the mouse forced swimming test. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007, 31, 690-696.	2.5	42
31	The impact of cognitive behavioral therapy on IL-6 levels in unmedicated women experiencing the first episode of depression: A pilot study. <i>Psychiatry Research</i> , 2013, 209, 742-745.	1.7	38
32	The Met allele of BDNF Val66Met polymorphism is associated with increased BDNF levels in generalized anxiety disorder. <i>Psychiatric Genetics</i> , 2015, 25, 201-207.	0.6	37
33	Novel approaches for the management of depressive disorders. <i>European Journal of Pharmacology</i> , 2016, 771, 236-240.	1.7	35
34	Diacerein decreases visceral pain through inhibition of glutamatergic neurotransmission and cytokine signaling in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2012, 102, 549-554.	1.3	34
35	Creatine, similarly to ketamine, affords antidepressant-like effects in the tail suspension test via adenosine A1 and A2A receptor activation. <i>Purinergic Signalling</i> , 2015, 11, 215-227.	1.1	34
36	Role of different types of potassium channels in the antidepressant-like effect of agmatine in the mouse forced swimming test. <i>European Journal of Pharmacology</i> , 2007, 575, 87-93.	1.7	33

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37	Impact of genetic variations in ADORA2A gene on depression and symptoms: a cross-sectional population-based study. <i>Purinergic Signalling</i> , 2019, 15, 37-44.	1.1	32
38	Preventive effects of blueberry extract on behavioral and biochemical dysfunctions in rats submitted to a model of manic behavior induced by ketamine. <i>Brain Research Bulletin</i> , 2016, 127, 260-269.	1.4	29
39	Signaling pathways underlying the antidepressant-like effect of inosine in mice. <i>Purinergic Signalling</i> , 2017, 13, 203-214.	1.1	28
40	Involvement of NMDA receptors in the antidepressant-like action of adenosine. <i>Pharmacological Reports</i> , 2012, 64, 706-713.	1.5	27
41	Antidepressant-like effects of aqueous extract from <i>Cecropia pachystachya</i> leaves in a mouse model of chronic unpredictable stress. <i>Brain Research Bulletin</i> , 2014, 108, 10-17.	1.4	27
42	Individual history of winning and hierarchy landscape influence stress susceptibility in mice. <i>ELife</i> , 2021, 10, .	2.8	24
43	Preventive Effect of <i>Cecropia pachystachya</i> Against Ketamine-Induced Manic Behavior and Oxidative Stress in Rats. <i>Neurochemical Research</i> , 2015, 40, 1421-1430.	1.6	22
44	Ursolic acid affords antidepressant-like effects in mice through the activation of PKA, PKC, CAMK-II and MEK1/2. <i>Pharmacological Reports</i> , 2017, 69, 1240-1246.	1.5	22
45	Physical exercise prevents amyloid β^{1-40} -induced disturbances in NLRP3 inflammasome pathway in the hippocampus of mice. <i>Metabolic Brain Disease</i> , 2021, 36, 351-359.	1.4	22
46	Reduced Serum Levels of Neuron Specific Enolase (NSE) in Drug-Naïve Subjects with Major Depression and Bipolar Disorder. <i>Neurochemical Research</i> , 2013, 38, 1394-1398.	1.6	21
47	Leptin in Depressive Episodes: Is There a Difference between Unipolar and Bipolar Depression?. <i>Neuroendocrinology</i> , 2015, 101, 82-86.	1.2	21
48	CD300f immunoreceptor is associated with major depressive disorder and decreased microglial metabolic fitness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6651-6662.	3.3	21
49	Prevalence of depression symptoms and serum levels of interleukin-6 in hemodialysis patients. <i>Psychiatry and Clinical Neurosciences</i> , 2014, 68, 275-282.	1.0	19
50	Association of interleukin-10 levels with age of onset and duration of illness in patients with major depressive disorder. <i>Revista Brasileira De Psiquiatria</i> , 2015, 37, 296-302.	0.9	19
51	Cholecalciferol abolishes depressive-like behavior and hippocampal glucocorticoid receptor impairment induced by chronic corticosterone administration in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2020, 196, 172971.	1.3	19
52	Impaired adrenal medullary function in a mouse model of depression induced by unpredictable chronic stress. <i>European Neuropsychopharmacology</i> , 2015, 25, 1753-1766.	0.3	18
53	Cognitive psychotherapy treatment decreases peripheral oxidative stress parameters associated with major depression disorder. <i>Biological Psychology</i> , 2015, 110, 175-181.	1.1	18
54	Glutamatergic system and mTOR-signaling pathway participate in the antidepressant-like effect of inosine in the tail suspension test. <i>Journal of Neural Transmission</i> , 2017, 124, 1227-1237.	1.4	18

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55	Agmatine potentiates neuroprotective effects of subthreshold concentrations of ketamine via mTOR/S6 kinase signaling pathway. <i>Neurochemistry International</i> , 2018, 118, 275-285.	1.9	18
56	Subthreshold doses of guanosine plus ketamine elicit antidepressant-like effect in a mouse model of depression induced by corticosterone: Role of GR/NF- κ B/IDO-1 signaling. <i>Neurochemistry International</i> , 2020, 139, 104797.	1.9	17
57	Stress and signaling pathways regulating autophagy: From behavioral models to psychiatric disorders. <i>Experimental Neurology</i> , 2020, 334, 113485.	2.0	16
58	Vaccinium virgatum fruit extract as an important adjuvant in biochemical and behavioral alterations observed in animal model of metabolic syndrome. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 939-947.	2.5	15
59	Protective Effects of Ursolic Acid Against Cytotoxicity Induced by Corticosterone: Role of Protein Kinases. <i>Neurochemical Research</i> , 2019, 44, 2843-2855.	1.6	15
60	The resilient phenotype elicited by ketamine against inflammatory stressors-induced depressive-like behavior is associated with NLRP3-driven signaling pathway. <i>Journal of Psychiatric Research</i> , 2021, 144, 118-128.	1.5	15
61	Natural Polyphenols and Terpenoids for Depression Treatment: Current Status. <i>Studies in Natural Products Chemistry</i> , 2018, 55, 181-221.	0.8	11
62	Levels of 25-hydroxyvitamin D3, biochemical parameters and symptoms of depression and anxiety in healthy individuals. <i>Metabolic Brain Disease</i> , 2019, 34, 527-535.	1.4	11
63	Low doses of ketamine and guanosine abrogate corticosterone-induced anxiety-related behavior, but not disturbances in the hippocampal NLRP3 inflammasome pathway. <i>Psychopharmacology</i> , 2021, 238, 2555-2568.	1.5	11
64	Genotype 1 of hepatitis C virus increases the risk of major depression: a 12-week prospective study. <i>General Hospital Psychiatry</i> , 2015, 37, 283-287.	1.2	7
65	Agmatine potentiates antidepressant and synaptic actions of ketamine: Effects on dendritic arbors and spines architecture and Akt/S6 kinase signaling. <i>Experimental Neurology</i> , 2020, 333, 113398.	2.0	7
66	Temperament traits moderate the relationship between Childhood Trauma and Interleukin 1 β profile in young adults. <i>Psychoneuroendocrinology</i> , 2020, 116, 104671.	1.3	6
67	Inosine prevents hyperlocomotion in a ketamine-induced model of mania in rats. <i>Brain Research</i> , 2020, 1733, 146721.	1.1	4
68	Role of heme oxygenase-1 in the antidepressant-like effect of ursolic acid in the tail suspension test. <i>Journal of Pharmacy and Pharmacology</i> , 2022, 74, 13-21.	1.2	3
69	Sex-dependent role of CD300f immune receptor in generalized anxiety disorder. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 11, 100191.	1.3	3
70	Glibenclamide treatment prevents depressive-like behavior and memory impairment induced by chronic unpredictable stress in female mice. <i>Behavioural Pharmacology</i> , 2021, 32, 170-181.	0.8	3
71	Leptin polymorphism rs3828942: risk for anxiety disorders?. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2019, 271, 1141-1148.	1.8	1
72	BDNF Levels According to Variations in the CACNA1C Gene: Sex-Based Disparity. <i>Cellular and Molecular Neurobiology</i> , 2022, , 1.	1.7	1

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73	Chronic Unpredictable Stress Induces Catecholaminergic System Changes in Mouse Adrenal Gland. , 2014, , 205.		0
74	F162. NLRP3 Polymorphism and Peripheral Levels of Interleukin-1 β in Patients With Major Depressive Disorder. Biological Psychiatry, 2018, 83, S301-S302.	0.7	0
75	S104. Impact of CD300f Immunoreceptors in Microglia Phenotype and Behavioural Alterations Relevant to Major Depressive Disorder. Biological Psychiatry, 2019, 85, S337-S338.	0.7	0
76	Curcumin in Depressive Disorders. , 2019, , 459-477.		0
77	Catecholamine Release Modulation by Adenosine Through A2a Receptors in Mouse Chromaffin Cells in Culture. , 2014, , 244-245.		0
78	Catecholamine Release Modulation by Adenosine through A2AReceptors in Mouse Chromaffin Cell Culture. , 2014, , 235.		0
79	Transcultural adaptation and psychometric evaluation of the Brazilian version of the Temporal Experience of Pleasure Scale (TEPSâ€“Br). Trends in Psychiatry and Psychotherapy, 2020, , .	0.4	0