

Josiane Budni

List of Publications by Year in descending order

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101
papers

3,742
citations

94381

37
h-index

168321

53
g-index

103
all docs

103
docs citations

103
times ranked

5292
citing authors

#	ARTICLE	IF	CITATIONS
1	The involvement of BDNF, NGF and GDNF in aging and Alzheimer's disease. , 2015, 6, 331.		309
2	The role of CREB and BDNF in neurobiology and treatment of Alzheimer's disease. Life Sciences, 2020, 257, 118020.	2.0	198
3	Ascorbic acid treatment, similarly to fluoxetine, reverses depressive-like behavior and brain oxidative damage induced by chronic unpredictable stress. Journal of Psychiatric Research, 2012, 46, 331-340.	1.5	177
4	Folic acid administration produces an antidepressant-like effect in mice: Evidence for the involvement of the serotonergic and noradrenergic systems. Neuropharmacology, 2008, 54, 464-473.	2.0	118
5	Nrf2 participates in depressive disorders through an anti-inflammatory mechanism. Psychoneuroendocrinology, 2013, 38, 2010-2022.	1.3	108
6	Guanosine protects human neuroblastoma SH-SY5Y cells against mitochondrial oxidative stress by inducing heme oxygenase-1 via PI3K/Akt/GSK-3 β pathway. Neurochemistry International, 2012, 61, 397-404.	1.9	98
7	Guanosine produces an antidepressant-like effect through the modulation of NMDA receptors, nitric oxide \rightarrow cGMP and PI3K/mTOR pathways. Behavioural Brain Research, 2012, 234, 137-148.	1.2	77
8	Folic acid prevents depressive-like behavior and hippocampal antioxidant imbalance induced by restraint stress in mice. Experimental Neurology, 2013, 240, 112-121.	2.0	75
9	Protective Effects of Ascorbic Acid on Behavior and Oxidative Status of Restraint-Stressed Mice. Journal of Molecular Neuroscience, 2013, 49, 68-79.	1.1	74
10	Omega-3 prevents behavior response and brain oxidative damage in the ketamine model of schizophrenia. Neuroscience, 2014, 259, 223-231.	1.1	71
11	Minocycline reduces inflammatory parameters in the brain structures and serum and reverses memory impairment caused by the administration of amyloid I 2 (1-42) in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 77, 23-31.	2.5	71
12	Neuroprotective effect of guanosine against glutamate \rightarrow induced cell death in rat hippocampal slices is mediated by the phosphatidylinositol \rightarrow 3 kinase/Akt/ glycogen synthase kinase 3 β pathway activation and inducible nitric oxide synthase inhibition. Journal of Neuroscience Research, 2011, 89, 1400-1408.	1.3	69
13	Sodium Butyrate Functions as an Antidepressant and Improves Cognition with Enhanced Neurotrophic Expression in Models of Maternal Deprivation and Chronic Mild Stress. Current Neurovascular Research, 2014, 11, 359-366.	0.4	67
14	Antidepressant-like effect of folic acid: Involvement of NMDA receptors and l-arginine-nitric oxide-cyclic guanosine monophosphate pathway. European Journal of Pharmacology, 2008, 598, 37-42.	1.7	65
15	Antidepressant-like action of the ethanolic extract from <i>Tabebuia avellanedae</i> in mice: Evidence for the involvement of the monoaminergic system. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 335-343.	2.5	63
16	Involvement of nitric oxide \rightarrow cGMP pathway in the antidepressant-like effect of ascorbic acid in the tail suspension test. Behavioural Brain Research, 2011, 225, 328-333.	1.2	61
17	Antidepressant-like effect of ascorbic acid is associated with the modulation of mammalian target of rapamycin pathway. Journal of Psychiatric Research, 2014, 48, 16-24.	1.5	61
18	The Anti-Inflammatory Role of Minocycline in Alzheimers Disease. Current Alzheimer Research, 2016, 13, 1319-1329.	0.7	60

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19	Contributions of animal models to the study of mood disorders. <i>Revista Brasileira De Psiquiatria</i> , 2013, 35, S121-S131.	0.9	58
20	Î±-Tocopherol administration produces an antidepressant-like effect in predictive animal models of depression. <i>Behavioural Brain Research</i> , 2010, 209, 249-259.	1.2	56
21	Fluoxetine modulates hippocampal cell signaling pathways implicated in neuroplasticity in olfactory bulbectomized mice. <i>Behavioural Brain Research</i> , 2013, 237, 176-184.	1.2	56
22	Involvement of PI3K, GSK-3Î² and PPARÎ³ in the antidepressant-like effect of folic acid in the forced swimming test in mice. <i>Journal of Psychopharmacology</i> , 2012, 26, 714-723.	2.0	55
23	Involvement of PI3K/Akt Signaling Pathway and Its Downstream Intracellular Targets in the Antidepressant-Like Effect of Creatine. <i>Molecular Neurobiology</i> , 2016, 53, 2954-2968.	1.9	50
24	Oral administration of d-galactose induces cognitive impairments and oxidative damage in rats. <i>Behavioural Brain Research</i> , 2016, 302, 35-43.	1.2	49
25	Neurochemical correlation between major depressive disorder and neurodegenerative diseases. <i>Life Sciences</i> , 2016, 158, 121-129.	2.0	47
26	TNF-Î±-induced depressive-like phenotype and p38MAPK activation are abolished by ascorbic acid treatment. <i>European Neuropsychopharmacology</i> , 2015, 25, 902-912.	0.3	46
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	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
29	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
30	Contilisant, a TetraTarget Small Molecule for Alzheimer's Disease Therapy Combining Cholinesterase, Monoamine Oxidase Inhibition, and H3R Antagonism with 51R Agonism Profile. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 6937-6943.	2.9	42
31	Inflammatory Cascade in Alzheimer's Disease Pathogenesis: A Review of Experimental Findings. <i>Cells</i> , 2021, 10, 2581.	1.8	42
32	Involvement of dopamine receptors in the antidepressant-like effect of melatonin in the tail suspension test. <i>European Journal of Pharmacology</i> , 2010, 638, 78-83.	1.7	41
33	Evaluation of behavioral and neurochemical changes induced by ketamine in rats: Implications as an animal model of mania. <i>Journal of Psychiatric Research</i> , 2012, 46, 1569-1575.	1.5	41
34	Alpha-lipoic acid attenuates acute neuroinflammation and long-term cognitive impairment after polymicrobial sepsis. <i>Neurochemistry International</i> , 2017, 108, 436-447.	1.9	41
35	Involvement of the adenosine A1 and A2A receptors in the antidepressant-like effect of zinc in the forced swimming test. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008, 32, 994-999.	2.5	40
36	Folic acid administration prevents ouabain-induced hyperlocomotion and alterations in oxidative stress markers in the rat brain. <i>Bipolar Disorders</i> , 2010, 12, 414-424.	1.1	40

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37	The modulation of NMDA receptors and l-arginine/nitric oxide pathway is implicated in the anti-immobility effect of creatine in the tail suspension test. <i>Amino Acids</i> , 2015, 47, 795-811.	1.2	40
38	Sodium Butyrate, a Histone Deacetylase Inhibitor, Reverses Behavioral and Mitochondrial Alterations in Animal Models of Depression Induced by Early- or Late-life Stress. <i>Current Neurovascular Research</i> , 2015, 12, 312-320.	0.4	38
39	The Antidepressant-like Effect of Physical Activity on a Voluntary Running Wheel. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 851-859.	0.2	35
40	Omega-3 Fatty Acids Attenuate Brain Alterations in High-Fat Diet-Induced Obesity Model. <i>Molecular Neurobiology</i> , 2019, 56, 513-524.	1.9	35
41	Evidence for the involvement of the opioid system in the antidepressant-like effect of folic acid in the mouse forced swimming test. <i>Behavioural Brain Research</i> , 2009, 200, 122-127.	1.2	34
42	Intracerebral Administration of BDNF Protects Rat Brain Against Oxidative Stress Induced by Ouabain in an Animal Model of Mania. <i>Molecular Neurobiology</i> , 2015, 52, 353-362.	1.9	34
43	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
44	Involvement of different types of potassium channels in the antidepressant-like effect of ascorbic acid in the mouse tail suspension test. <i>European Journal of Pharmacology</i> , 2012, 687, 21-27.	1.7	33
45	Lithium and memantine improve spatial memory impairment and neuroinflammation induced by β -amyloid 1-42 oligomers in rats. <i>Neurobiology of Learning and Memory</i> , 2017, 141, 84-92.	1.0	33
46	MPP+-Lesioned Mice: an Experimental Model of Motor, Emotional, Memory/Learning, and Striatal Neurochemical Dysfunctions. <i>Molecular Neurobiology</i> , 2017, 54, 6356-6377.	1.9	31
47	The Involvement of NLRP3 on the Effects of Minocycline in an AD-Like Pathology Induced by β -Amyloid Oligomers Administered to Mice. <i>Molecular Neurobiology</i> , 2019, 56, 2606-2617.	1.9	31
48	Alzheimer's Disease associated with Psychiatric Comorbidities. <i>Anais Da Academia Brasileira De Ciencias</i> , 2015, 87, 1461-1473.	0.3	28
49	Antidepressant-like effect of <i>Canavalia brasiliensis</i> (ConBr) lectin in mice: Evidence for the involvement of the glutamatergic system. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 122, 53-60.	1.3	27
50	Antimanic-like activity of candesartan in mice: Possible involvement of antioxidant, anti-inflammatory and neurotrophic mechanisms. <i>European Neuropsychopharmacology</i> , 2015, 25, 2086-2097.	0.3	27
51	Effect of folic acid on oxidative stress and behavioral changes in the animal model of schizophrenia induced by ketamine. <i>Journal of Psychiatric Research</i> , 2016, 81, 23-35.	1.5	27
52	Antidepressant-like action of the bark ethanolic extract from <i>Tabebuia avellanedae</i> in the olfactory bulbectomized mice. <i>Journal of Ethnopharmacology</i> , 2013, 145, 737-745.	2.0	26
53	Sodium butyrate reverses the inhibition of Krebs cycle enzymes induced by amphetamine in the rat brain. <i>Journal of Neural Transmission</i> , 2013, 120, 1737-1742.	1.4	25
54	Involvement of PKA, PKC, CAMK-II and MEK1/2 in the acute antidepressant-like effect of creatine in mice. <i>Pharmacological Reports</i> , 2014, 66, 653-659.	1.5	24

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55	The oral administration of D-galactose induces abnormalities within the mitochondrial respiratory chain in the brain of rats. <i>Metabolic Brain Disease</i> , 2017, 32, 811-817.	1.4	24
56	Neurotoxicity induced by dexamethasone in the human neuroblastoma SH-SY5Y cell line can be prevented by folic acid. <i>Neuroscience</i> , 2011, 190, 346-353.	1.1	23
57	Fish oil-rich lipid emulsion modulates neuroinflammation and prevents long-term cognitive dysfunction after sepsis. <i>Nutrition</i> , 2020, 70, 110417.	1.1	23
58	Omega-3 fatty acids prevent the ketamine-induced increase in acetylcholinesterase activity in an animal model of schizophrenia. <i>Life Sciences</i> , 2015, 121, 65-69.	2.0	21
59	Subchronic administration of ascorbic acid elicits antidepressant-like effect and modulates cell survival signaling pathways in mice. <i>Journal of Nutritional Biochemistry</i> , 2016, 38, 50-56.	1.9	21
60	Rivastigmine reverses cognitive deficit and acetylcholinesterase activity induced by ketamine in an animal model of schizophrenia. <i>Metabolic Brain Disease</i> , 2013, 28, 501-508.	1.4	20
61	Sodium butyrate improves memory and modulates the activity of histone deacetylases in aged rats after the administration of d-galactose. <i>Experimental Gerontology</i> , 2018, 113, 209-217.	1.2	20
62	Effect of maternal deprivation on acetylcholinesterase activity and behavioral changes on the ketamine-induced animal model of schizophrenia. <i>Neuroscience</i> , 2013, 248, 252-260.	1.1	19
63	Evaluation of acetylcholinesterase activity and behavioural alterations induced by ketamine in an animal model of schizophrenia. <i>Acta Neuropsychiatrica</i> , 2014, 26, 43-50.	1.0	19
64	Role of potassium channels in the antidepressant-like effect of folic acid in the forced swimming test in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2012, 101, 148-154.	1.3	18
65	Chronic exposure to cigarette smoke during gestation results in altered cholinesterase enzyme activity and behavioral deficits in adult rat offspring: Potential relevance to schizophrenia. <i>Journal of Psychiatric Research</i> , 2013, 47, 740-746.	1.5	18
66	The Evaluation of Folic Acid-Deficient or Folic Acid-Supplemented Diet in the Gestational Phase of Female Rats and in Their Adult Offspring Subjected to an Animal Model of Schizophrenia. <i>Molecular Neurobiology</i> , 2018, 55, 2301-2319.	1.9	18
67	Diet-induced obesity causes hypothalamic neurochemistry alterations in Swiss mice. <i>Metabolic Brain Disease</i> , 2019, 34, 565-573.	1.4	18
68	Maternal deprivation disrupts mitochondrial energy homeostasis in the brain of rats subjected to ketamine-induced schizophrenia. <i>Metabolic Brain Disease</i> , 2015, 30, 1043-1053.	1.4	16
69	Changes in behavioural parameters, oxidative stress and neurotrophins in the brain of adult offspring induced to an animal model of schizophrenia: The effects of FA deficient or FA supplemented diet during the neurodevelopmental phase. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 86, 52-64.	2.5	16
70	Vitamin B6 prevents cognitive impairment in experimental pneumococcal meningitis. <i>Experimental Biology and Medicine</i> , 2014, 239, 1360-1365.	1.1	15
71	A single administration of ascorbic acid rapidly reverses depressive-like behavior and hippocampal synaptic dysfunction induced by corticosterone in mice. <i>Chemico-Biological Interactions</i> , 2021, 342, 109476.	1.7	15
72	NMDA Receptors and the L-Arginine-Nitric Oxide-Cyclic Guanosine Monophosphate Pathway Are Implicated in the Antidepressant-Like Action of the Ethanolic Extract from <i>Tabebuia avellanedae</i> in Mice. <i>Journal of Medicinal Food</i> , 2013, 16, 1030-1038.	0.8	14

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73	Folic acid prevented cognitive impairment in experimental pneumococcal meningitis. <i>Journal of Neural Transmission</i> , 2015, 122, 643-651.	1.4	14
74	Folic Acid Protects Against Glutamate-Induced Excitotoxicity in Hippocampal Slices Through a Mechanism that Implicates Inhibition of GSK-3 β and iNOS. <i>Molecular Neurobiology</i> , 2018, 55, 1580-1589.	1.9	12
75	Hypericum perforatum chronic treatment affects cognitive parameters and brain neurotrophic factor levels. <i>Revista Brasileira De Psiquiatria</i> , 2018, 40, 367-375.	0.9	12
76	The preventive effects of ascorbic acid supplementation on locomotor and acetylcholinesterase activity in an animal model of schizophrenia induced by ketamine. <i>Anais Da Academia Brasileira De Ciencias</i> , 2017, 89, 1133-1141.	0.3	11
77	Folic acid prevents habituation memory impairment and oxidative stress in an aging model induced by D-galactose. <i>Metabolic Brain Disease</i> , 2021, 36, 213-224.	1.4	11
78	Ouabain induces memory impairment and alter the BDNF signaling pathway in an animal model of bipolar disorder. <i>Journal of Affective Disorders</i> , 2021, 282, 1195-1202.	2.0	11
79	The different effects of lithium and tamoxifen on memory formation and the levels of neurotrophic factors in the brain of male and female rats. <i>Brain Research Bulletin</i> , 2017, 134, 228-235.	1.4	10
80	Nanotechnology as a therapeutic strategy to prevent neuropsychomotor alterations associated with hypercholesterolemia. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 201, 111608.	2.5	10
81	Effects of tamoxifen on tricarboxylic acid cycle enzymes in the brain of rats submitted to an animal model of mania induced by amphetamine. <i>Psychiatry Research</i> , 2014, 215, 483-487.	1.7	9
82	Lipoic Acid and Fish Oil Combination Potentiates Neuroinflammation and Oxidative Stress Regulation and Prevents Cognitive Decline of Rats After Sepsis. <i>Molecular Neurobiology</i> , 2020, 57, 4451-4466.	1.9	9
83	Ketamine, but not fluoxetine, rapidly rescues corticosterone-induced impairments on glucocorticoid receptor and dendritic branching in the hippocampus of mice. <i>Metabolic Brain Disease</i> , 2021, 36, 2223-2233.	1.4	9
84	ConBr, a lectin from <i>Canavalia brasiliensis</i> seeds, modulates signaling pathways and increases BDNF expression probably via a glycosylated target. <i>Journal of Molecular Recognition</i> , 2014, 27, 746-754.	1.1	8
85	Association of vitamin D and vitamin B 12 with cognitive impairment in elderly aged 80 years or older: a cross-sectional study. <i>Journal of Human Nutrition and Dietetics</i> , 2019, 32, 518-524.	1.3	8
86	Behavioral and neurochemical effects of folic acid in a mouse model of depression induced by TNF- α . <i>Behavioural Brain Research</i> , 2021, 414, 113512.	1.2	8
87	Biological Mechanisms Underlying Neuroprogression in Bipolar Disorder. <i>Revista Brasileira De Psiquiatria</i> , 2013, 35, 1-2.	0.9	7
88	Sleep pattern and locomotor activity are impaired by doxorubicin in non-tumor-bearing rats. <i>Sleep Science</i> , 2016, 9, 232-235.	0.4	7
89	Folic Acid Supplementation in the Gestational Phase of Female Rats Improves Age-Related Memory Impairment and Neuroinflammation in Their Adult and Aged Offspring. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 991-995.	1.7	6
90	Sex differences on the behavior and oxidative stress after ketamine treatment in adult rats subjected to early life stress. <i>Brain Research Bulletin</i> , 2021, 172, 129-138.	1.4	6

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91	Treatment with isolated gold nanoparticles reverses brain damage caused by obesity. <i>Materials Science and Engineering C</i> , 2021, 120, 111392.	3.8	5
92	Effect of cigarette smoke exposure in the behavioral changes induced by ketamine. <i>Schizophrenia Research</i> , 2012, 141, 104-105.	1.1	4
93	Increased risk of developing schizophrenia in animals exposed to cigarette smoke during the gestational period. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 75, 199-206.	2.5	4
94	Oral administration of D-galactose increases brain tricarboxylic acid cycle enzymes activities in Wistar rats. <i>Metabolic Brain Disease</i> , 2021, 36, 1057-1067.	1.4	4
95	Effects of chronic administration of fenproporex on cognitive and non-cognitive behaviors. <i>Metabolic Brain Disease</i> , 2015, 30, 583-588.	1.4	1
96	Amyloid beta 1 β 42-induced animal model of dementia. , 2020, , 865-880.		1
97	Long-term administration of soft drink causes memory impairment and oxidative damage in adult and middle-aged rats. <i>Experimental Gerontology</i> , 2022, 166, 111873.	1.2	1
98	P4 β 19: Minocycline Improves Memory and Reduces the Neuroinflammation of Mice Subject to Amyloid b (1 β 42) Peptide Administration. <i>Alzheimer's and Dementia</i> , 2016, 12, P1022.	0.4	0
99	[P3 β 126]: INVOLVEMENT OF NEUROINFLAMMATION IN THE MEMORY OF ADULT AND OLD OFFSPRING FROM WISTAR RATS WITH FOLIC ACID DEFICIENCY OR SUPPLEMENTATION DURING PREGNANCY. <i>Alzheimer's and Dementia</i> , 2017, 13, P983.	0.4	0
100	P1 β 20: PREVALENCE OF COGNITIVE IMPAIRMENT AND ASSOCIATED FACTORS IN OLDEST β OLD RESIDENTS WITHIN THE BRAZILIAN COMMUNITY. <i>Alzheimer's and Dementia</i> , 2018, 14, P578.	0.4	0
101	Association between Experimental Bacterial Meningitis and Periapical Lesion. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2015, 9, DF01-3.	0.8	0