Boldizsar Czeh

List of Publications by Year
in descending order

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77	7,758	71102	74163
papers	citations	41 h-index	75 g-index

80	80	80	8767
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stress-induced changes in cerebral metabolites, hippocampal volume, and cell proliferation are prevented by antidepressant treatment with tianeptine. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 12796-12801.	7.1	965
2	Hippocampal network patterns of activity in the mouse. Neuroscience, 2003, 116, 201-211.	2.3	414
3	Prenatal stress diminishes neurogenesis in the dentate gyrus of juvenile Rhesus monkeys. Biological Psychiatry, 2003, 54, 1025-1034.	1.3	408
4	Regulation of adult neurogenesis by stress, sleep disruption, exercise and inflammation: Implications for depression and antidepressant actionâ˜†. European Neuropsychopharmacology, 2010, 20, 1-17.	0.7	391
5	Astroglial Plasticity in the Hippocampus is Affected by Chronic Psychosocial Stress and Concomitant Fluoxetine Treatment. Neuropsychopharmacology, 2006, 31, 1616-1626.	5.4	388
6	What causes the hippocampal volume decrease in depression?. European Archives of Psychiatry and Clinical Neuroscience, 2007, 257, 250-260.	3.2	358
7	Neuropathology of stress. Acta Neuropathologica, 2014, 127, 109-135.	7.7	331
8	Chronic Social Stress Inhibits Cell Proliferation in the Adult Medial Prefrontal Cortex: Hemispheric Asymmetry and Reversal by Fluoxetine Treatment. Neuropsychopharmacology, 2007, 32, 1490-1503.	5.4	314
9	Chronic psychosocial stress and concomitant repetitive transcranial magnetic stimulation: effects on stress hormone levels and adult hippocampal neurogenesis. Biological Psychiatry, 2002, 52, 1057-1065.	1.3	305
10	Animal models of major depression and their clinical implications. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 64, 293-310.	4.8	276
11	Alterations of neuroplasticity in depression: the hippocampus and beyond. European Neuropsychopharmacology, 2004, 14, S481-S490.	0.7	213
12	Stress Impairs GABAergic Network Function in the Hippocampus by Activating Nongenomic Glucocorticoid Receptors and Affecting the Integrity of the Parvalbumin-Expressing Neuronal Network. Neuropsychopharmacology, 2010, 35, 1693-1707.	5.4	211
13	Stress, Depression and Hippocampal Apoptosis. CNS and Neurological Disorders - Drug Targets, 2006, 5, 531-546.	1.4	201
14	Antidepressant treatment with tianeptine reduces apoptosis in the hippocampal dentate gyrus and temporal cortex. Biological Psychiatry, 2004, 55, 789-796.	1.3	181
15	Substance P receptor antagonist and clomipramine prevent stress-induced alterations in cerebral metabolites, cytogenesis in the dentate gyrus and hippocampal volume. Molecular Psychiatry, 2002, 7, 933-941.	7.9	145
16	Chronic psychosocial stress differentially affects apoptosis in hippocampal subregions and cortex of the adult tree shrew. European Journal of Neuroscience, 2001, 14, 161-166.	2.6	136
17	Chronic social instability stress in female rats: A potential animal model for female depression. Neuroscience, 2009, 159, 982-992.	2.3	125
18	Chronic Stress Decreases the Number of Parvalbumin-Immunoreactive Interneurons in the Hippocampus: Prevention by Treatment with a Substance P Receptor (NK1) Antagonist. Neuropsychopharmacology, 2005, 30, 67-79.	5.4	123

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19	Regulation of Adult Neurogenesis and Plasticity by (Early) Stress, Glucocorticoids, and Inflammation. Cold Spring Harbor Perspectives in Biology, 2015, 7, a021303.	5.5	123
20	Chronic stress reduces the number of GABAergic interneurons in the adult rat hippocampus, dorsal-ventral and region-specific differences. Hippocampus, 2015, 25, 393-405.	1.9	115
21	Antidepressants act directly on astrocytes: Evidences and functional consequences. European Neuropsychopharmacology, 2013, 23, 171-185.	0.7	111
22	Remodeling of neuronal networks by stress. Frontiers in Bioscience - Landmark, 2006, 11, 2746.	3.0	106
23	Chronic stress-induced cellular changes in the medial prefrontal cortex and their potential clinical implications: Does hemisphere location matter?. Behavioural Brain Research, 2008, 190, 1-13.	2.2	98
24	Long-Term Stress Disrupts the Structural and Functional Integrity of GABAergic Neuronal Networks in the Medial Prefrontal Cortex of Rats. Frontiers in Cellular Neuroscience, 2018, 12, 148.	3.7	87
25	SHORT COMMUNICATION Selective enhancement of spatial learning under chronic psychosocial stress. European Journal of Neuroscience, 2002, 15, 1863-1866.	2.6	85
26	Age-dependent susceptibility of adult hippocampal cell proliferation to chronic psychosocial stress. Brain Research, 2005, 1049, 244-248.	2.2	83
27	Reduced Synapse and Axon Numbers in the Prefrontal Cortex of Rats Subjected to a Chronic Stress Model for Depression. Frontiers in Cellular Neuroscience, 2018, 12, 24.	3.7	72
28	Examining novel concepts of the pathophysiology of depression in the chronic psychosocial stress paradigm in tree shrews. Behavioural Pharmacology, 2004, 15, 315-325.	1.7	65
29	Theory of mind disturbances in borderline personality disorder: A meta-analysis. Psychiatry Research, 2018, 270, 143-153.	3.3	61
30	Severe spatial navigation deficit in the Morris water maze after single high dose of neonatal x-ray irradiation in the rat. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 2766-2771.	7.1	60
31	Safety aspects of chronic low-frequency transcranial magnetic stimulation based on localized proton magnetic resonance spectroscopy and histology of the rat brain. Journal of Psychiatric Research, 2003, 37, 277-286.	3.1	60
32	Diurnal rhythm and stress regulate dendritic architecture and spine density of pyramidal neurons in the rat infralimbic cortex. Behavioural Brain Research, 2009, 205, 406-413.	2.2	59
33	Differential Macrophage/Microglia Activation in Neocortical EAE Lesions in the Marmoset Monkey. Brain Pathology, 2006, 16, 117-123.	4.1	54
34	Distinct structural plasticity in the hippocampus and amygdala of the middle-aged common marmoset (Callithrix jacchus). Experimental Neurology, 2011, 230, 291-301.	4.1	50
35	Much More Than a Pleasant Scent: A Review on Essential Oils Supporting the Immune System. Molecules, 2019, 24, 4530.	3.8	48
36	The prototypic mineralocorticoid receptor agonist aldosterone influences neurogenesis in the dentate gyrus of the adrenalectomized rat. Brain Research, 2002, 947, 290-293.	2.2	46

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37	Hemispheric differences in basilar dendrites and spines of pyramidal neurons in the rat prelimbic cortex: activityâ€•and stressâ€•induced changes. European Journal of Neuroscience, 2009, 29, 738-747.	2.6	46
38	Chronic restraint stress impairs endocannabinoid mediated suppression of GABAergic signaling in the hippocampus of adult male rats. Brain Research Bulletin, 2011, 85, 374-379.	3.0	45
39	Chronic psychosocial stress affects corticotropin-releasing factor in the paraventricular nucleus and central extended amygdala as well as urocortin 1 in the non-preganglionic Edinger-Westphal nucleus of the tree shrew. Psychoneuroendocrinology, 2008, 33, 741-754.	2.7	44
40	Clinical Findings Documenting Cellular and Molecular Abnormalities of Glia in Depressive Disorders. Frontiers in Molecular Neuroscience, 2018, 11, 56.	2.9	44
41	Quantitative changes in hippocampal microvasculature of chronically stressed rats: No effect of fluoxetine treatment. Hippocampus, 2010, 20, 174-185.	1.9	43
42	Homeostatic maintenance in excitability of tree shrew hippocampal CA3 pyramidal neurons after chronic stress. Hippocampus, 2004, 14, 742-751.	1.9	42
43	Myelin oligodendrocyte glycoprotein-induced experimental autoimmune encephalomyelitis in the common marmoset reflects the immunopathology of pattern II multiple sclerosis lesions. Multiple Sclerosis Journal, 2006, 12, 369-374.	3.0	42
44	Chronic stress affects the number of GABAergic neurons in the orbitofrontal cortex of rats. Behavioural Brain Research, 2017, 316, 104-114.	2.2	35
45	Stress-Induced Morphological, Cellular and Molecular Changes in the Brainâ€”Lessons Learned from the Chronic Mild Stress Model of Depression. Cells, 2020, 9, 1026.	4.1	34
46	Novel drug developmental strategies for treatmentâ€•resistant depression. British Journal of Pharmacology, 2022, 179, 1146-1186.	5.4	34
47	Monitoring of EAE onset and progression in the common marmoset monkey by sequential high-resolution 3D MRI. NMR in Biomedicine, 2006, 19, 41-49.	2.8	32
48	NK1receptor antagonists under investigation for the treatment of affective disorders. Expert Opinion on Investigational Drugs, 2006, 15, 479-486.	4.1	31
49	The relationship between predisposing factors, premorbid function and symptom dimensions in psychosis: an integrated approach. European Psychiatry, 2002, 17, 311-320.	0.2	29
50	Examining SLV-323, a novel NK1 receptor antagonist, in a chronic psychosocial stress model for depression. Psychopharmacology, 2005, 180, 548-557.	3.1	29
51	Electron Microscopic Analysis of Hippocampal Axo-Somatic Synapses in a Chronic Stress Model for Depression. Hippocampus, 2017, 27, 17-27.	1.9	27
52	Differential expression of major histocompatibility complex class I molecules in the brain of a New World monkey, the common marmoset (Callithrix jacchus). Journal of Neuroimmunology, 2006, 176, 39-50.	2.3	26
53	Chronic psychosocial stress in tree shrews: effect of the substance P (NK1 receptor) antagonist L-760735 and clomipramine on endocrine and behavioral parameters. Psychopharmacology, 2005, 181, 207-216.	3.1	24
54	Calretinin expression in hilar mossy cells of the hippocampal dentate gyrus of nonhuman primates and humans. Hippocampus, 2008, 18, 425-434.	1.9	24

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55	Effect of Neonatal Dentate Gyrus Lesion on Allothetic and Idiothetic Navigation in Rats. Neurobiology of Learning and Memory, 2001, 75, 190-213.	1.9	23
56	Examining the Influence of Early Life Stress on Serum Lipid Profiles and Cognitive Functioning in Depressed Patients. Frontiers in Psychology, 2019, 10, 1798.	2.1	21
57	Altered Glial Plasticity in Animal Models for Mood Disorders. Current Drug Targets, 2013, 14, 1249-1261.	2.1	21
58	Talking to the Synapse: How Antidepressants Can Target Glial Cells to Reshape Brain Circuits. Current Drug Targets, 2013, 14, 1329-1335.	2.1	19
59	Low intensity, long term exposure to tobacco smoke inhibits hippocampal neurogenesis in adult mice. Behavioural Brain Research, 2016, 302, 44-52.	2.2	18
60	Lateralized fascia dentata lesion and blockade of one hippocampus: Effect on spatial memory in rats. , 1998, 8, 647-650.		17
61	Long-Term Stress and Concomitant Marijuana Smoke Exposure Affect Physiology, Behavior and Adult Hippocampal Neurogenesis. Frontiers in Pharmacology, 2018, 9, 786.	3.5	16
62	SONU20176289, a compound combining partial dopamine D2 receptor agonism with specific serotonin reuptake inhibitor activity, affects neuroplasticity in an animal model for depression. European Journal of Pharmacology, 2008, 598, 43-50.	3.5	15
63	Childhood Adversity Impairs Theory of Mind Abilities in Adult Patients With Major Depressive Disorder. Frontiers in Psychiatry, 2019, 10, 867.	2.6	14
64	Benefits of animal models to understand the pathophysiology of depressive disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 106, 110049.	4.8	14
65	Number and regional distribution of GAD65 mRNA-expressing interneurons in the rat hippocampal formation. Acta Biologica Hungarica, 2013, 64, 395-413.	0.7	13
66	Mossy cells and different subpopulations of pyramidal neurons are immunoreactive for cocaine- and amphetamine-regulated transcript peptide in the hippocampal formation of non-human primates and tree shrew (Tupaia belangeri). Neuroscience, 2005, 136, 231-240.	2.3	12
67	Childhood maltreatment results in altered deactivation of reward processing circuits in depressed patients: A functional magnetic resonance imaging study of a facial emotion recognition task. Neurobiology of Stress, 2021, 15, 100399.	4.0	11
68	Examining the Relationship Between Executive Functions and Mentalizing Abilities of Patients With Borderline Personality Disorder. Frontiers in Psychology, 2020, 11, 1583.	2.1	9
69	Visualizing dopamine transporter integrity with iodine-123-FP-CIT SPECT in combination with high resolution MRI in the brain of the common marmoset monkey. Journal of Neuroscience Methods, 2012, 210, 195-201.	2.5	8
70	Stress-Induced Microstructural Alterations Correlate With the Cognitive Performance of Rats: A Longitudinal in vivo Diffusion Tensor Imaging Study. Frontiers in Neuroscience, 2020, 14, 474.	2.8	6
71	Residual granule cells can maintain susceptibility of CA3 pyramidal cells to kainate-induced epileptiform discharges. , 1998, 8, 548-561.		5
72	Experimental Arthritis Inhibits Adult Hippocampal Neurogenesis in Mice. Cells, 2022, 11, 791.	4.1	5

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73	Preclinical approaches to examine novel concepts of the pathophysiology of depressive disorders: lessons learned from tree shrews. Drug Development Research, 2005, 65, 309-317.	2.9	4
74	Mossy cells of the dentate gyrus: Drivers or inhibitors of epileptic seizures?. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119279.	4.1	4
75	A Preliminary Quantitative Electron Microscopic Analysis Reveals Reduced Number of Mitochondria in the Infralimbic Cortex of Rats Exposed to Chronic Mild Stress. Frontiers in Behavioral Neuroscience, 2022, 16, .	2.0	2
76	Adult neurogenesis in rodents and primates: functional implications. Handbook of Behavioral Neuroscience, 2005, 15, 711-727.	0.0	1
77	Experimental Animal Models for Depressive Disorders: Relevance to Drug Discovery. , 2018, , 221-231.		0