

Laura Stertz

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

3,782
citations

159573

30
h-index

128286

60
g-index

81
all docs

81
docs citations

81
times ranked

5433
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of inflammation and microglial activation in the pathophysiology of psychiatric disorders. <i>Neuroscience</i> , 2015, 300, 141-154.	2.3	496
2	Acute administration of ketamine induces antidepressant-like effects in the forced swimming test and increases BDNF levels in the rat hippocampus. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008, 32, 140-144.	4.8	377
3	Comparison of cytokine levels in depressed, manic and euthymic patients with bipolar disorder. <i>Journal of Affective Disorders</i> , 2009, 116, 214-217.	4.1	376
4	Ketamine treatment reverses behavioral and physiological alterations induced by chronic mild stress in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009, 33, 450-455.	4.8	214
5	Is bipolar disorder an inflammatory condition? The relevance of microglial activation. <i>Current Opinion in Psychiatry</i> , 2013, 26, 19-26.	6.3	160
6	Brain-derived neurotrophic factor serum levels before and after treatment for acute mania. <i>Neuroscience Letters</i> , 2009, 452, 111-113.	2.1	117
7	Acute harmine administration induces antidepressive-like effects and increases BDNF levels in the rat hippocampus. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009, 33, 1425-1430.	4.8	109
8	Chronic Administration of Ketamine Elicits Antidepressant-Like Effects in Rats without Affecting Hippocampal Brain-Derived Neurotrophic Factor Protein Levels. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 103, 502-506.	2.5	101
9	Decreased brain-derived neurotrophic factor in medicated and drug-free bipolar patients. <i>Journal of Psychiatric Research</i> , 2009, 43, 1171-1174.	3.1	101
10	Staging and Neuroprogression in Bipolar Disorder. <i>Current Psychiatry Reports</i> , 2012, 14, 667-675.	4.5	101
11	Mitochondrial activity and oxidative stress markers in peripheral blood mononuclear cells of patients with bipolar disorder, schizophrenia, and healthy subjects. <i>Journal of Psychiatric Research</i> , 2013, 47, 1396-1402.	3.1	92
12	Maternal Deprivation Induces Depressive-like Behaviour and Alters Neurotrophin Levels in the Rat Brain. <i>Neurochemical Research</i> , 2011, 36, 460-466.	3.3	87
13	Staging bipolar disorder: clinical, biochemical, and functional correlates. <i>Acta Psychiatrica Scandinavica</i> , 2014, 129, 437-444.	4.5	84
14	Brain-derived neurotrophic factor and neuron-specific enolase, but not S100 β , levels are associated to the occurrence of delirium in intensive care unit patients. <i>Journal of Critical Care</i> , 2011, 26, 133-137.	2.2	69
15	Effects of omega-3 dietary supplement in prevention of positive, negative and cognitive symptoms: A study in adolescent rats with ketamine-induced model of schizophrenia. <i>Schizophrenia Research</i> , 2012, 141, 162-167.	2.0	65
16	DNA damage in rats after treatment with methylphenidate. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007, 31, 1282-1288.	4.8	64
17	Effects of mood stabilizers on DNA damage in an animal model of mania. <i>Journal of Psychiatry and Neuroscience</i> , 2008, 33, 516-24.	2.4	62
18	Serum neurotrophin-3 is increased during manic and depressive episodes in bipolar disorder. <i>Neuroscience Letters</i> , 2007, 415, 87-89.	2.1	58

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19	Neurotrophins, inflammation and oxidative stress as illness activity biomarkers in bipolar disorder. Expert Review of Neurotherapeutics, 2013, 13, 827-842.	2.8	57
20	Increased serum neurotrophin-4/5 levels in bipolar disorder. Journal of Psychiatric Research, 2009, 43, 721-723.	3.1	46
21	Chronic Mild Stress Paradigm Reduces Sweet Food Intake in Rats without Affecting Brain Derived Neurotrophic Factor Protein Levels. Current Neurovascular Research, 2008, 5, 207-213.	1.1	45
22	Neuroanatomical Profile of Antimanic Effects of Histone Deacetylases Inhibitors. Molecular Neurobiology, 2011, 43, 207-214.	4.0	41
23	Damage-associated molecular patterns and immune activation in bipolar disorder. Acta Psychiatrica Scandinavica, 2015, 132, 211-217.	4.5	41
24	Acute White Matter Tract Damage after Frontal Mild Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 291-299.	3.4	41
25	Early life stress decreases hippocampal BDNF content and exacerbates recognition memory deficits induced by repeated d-amphetamine exposure. Behavioural Brain Research, 2011, 224, 100-106.	2.2	40
26	Increased annexin-V and decreased TNF-alpha serum levels in chronic-medicated patients with schizophrenia. Neuroscience Letters, 2011, 502, 143-146.	2.1	37
27	Plasma brain-derived neurotrophic factor levels, learning capacity and cognition in patients with first episode psychosis. BMC Psychiatry, 2013, 13, 27.	2.6	34
28	Correlation between behavioral deficits and decreased brain-derived neurotrophic factor in neonatal meningitis. Journal of Neuroimmunology, 2010, 223, 73-76.	2.3	32
29	Peripheral brain-derived neurotrophic factor changes along treatment with extended release quetiapine during acute mood episodes: An open-label trial in drug-free patients with bipolar disorder. Journal of Psychiatric Research, 2012, 46, 1511-1514.	3.1	32
30	Histone deacetylase activity and brain-derived neurotrophic factor (BDNF) levels in a pharmacological model of mania. Revista Brasileira De Psiquiatria, 2014, 36, 39-46.	1.7	32
31	Angiogenic gene networks are dysregulated in opioid use disorder: evidence from multi-omics and imaging of postmortem human brain. Molecular Psychiatry, 2021, 26, 7803-7812.	7.9	31
32	Genome-Wide Correlation of DNA Methylation and Gene Expression in Postmortem Brain Tissues of Opioid Use Disorder Patients. International Journal of Neuropsychopharmacology, 2021, 24, 879-891.	2.1	29
33	Depressive-Like Parameters in Sepsis Survivor Rats. Neurotoxicity Research, 2010, 17, 279-286.	2.7	28
34	Peripheral eotaxin-1 (CCL11) levels and mood disorder diagnosis in a population-based sample of young adults. Journal of Psychiatric Research, 2014, 48, 13-15.	3.1	27
35	Differential biomarker signatures in unipolar and bipolar depression: A machine learning approach. Australian and New Zealand Journal of Psychiatry, 2020, 54, 393-401.	2.3	27
36	Effects of increased opportunity for physical exercise and learning experiences on recognition memory and brain-derived neurotrophic factor levels in brain and serum of rats. Neuroscience, 2011, 199, 284-291.	2.3	24

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37	Ethanol during adolescence decreased the BDNF levels in the hippocampus in adult male Wistar rats, but did not alter aggressive and anxiety-like behaviors. <i>Trends in Psychiatry and Psychotherapy</i> , 2015, 37, 143-151.	0.8	24
38	Convergent genomic and pharmacological evidence of PI3K/GSK3 signaling alterations in neurons from schizophrenia patients. <i>Neuropsychopharmacology</i> , 2021, 46, 673-682.	5.4	24
39	Total and Mitochondrial Nitrosative Stress, Decreased Brain-Derived Neurotrophic Factor (BDNF) Levels and Glutamate Uptake, and Evidence of Endoplasmic Reticulum Stress in the Hippocampus of Vitamin A-Treated Rats. <i>Neurochemical Research</i> , 2011, 36, 506-517.	3.3	23
40	Val66Met polymorphism and serum brain-derived neurotrophic factor in bipolar disorder: an open-label trial. <i>Acta Psychiatrica Scandinavica</i> , 2014, 129, 393-400.	4.5	23
41	Memory and brain-derived neurotrophic factor after subchronic or chronic amphetamine treatment in an animal model of mania. <i>Journal of Psychiatric Research</i> , 2015, 68, 329-336.	3.1	23
42	Decreased serum neurotrophin 3 in chronically medicated schizophrenic males. <i>Neuroscience Letters</i> , 2008, 440, 197-201.	2.1	22
43	Elevated Plasma S100B, Psychotic Symptoms, and Cognition in Schizophrenia. <i>Psychiatric Quarterly</i> , 2018, 89, 53-60.	2.1	20
44	Acute low dose of MK-801 prevents memory deficits without altering hippocampal DARPP-32 expression and BDNF levels in sepsis survivor rats. <i>Journal of Neuroimmunology</i> , 2011, 230, 48-51.	2.3	19
45	Interaction between SLC6A4 promoter variants and childhood trauma on the age at onset of bipolar disorders. <i>Scientific Reports</i> , 2015, 5, 16301.	3.3	17
46	Olanzapine plus fluoxetine treatment increases Nt-3 protein levels in the rat prefrontal cortex. <i>Neuroscience Letters</i> , 2011, 497, 99-103.	2.1	16
47	Lack of effect of antipsychotics on BDNF and NGF levels in hippocampus of Wistar rats. <i>Metabolic Brain Disease</i> , 2008, 23, 213-219.	2.9	15
48	BDNF Val66Met polymorphism and peripheral protein levels in pediatric bipolar disorder and attention-deficit/hyperactivity disorder. <i>Acta Psychiatrica Scandinavica</i> , 2016, 134, 268-274.	4.5	15
49	Peripheral insulin-like growth factor 1 in bipolar disorder. <i>Psychiatry Research</i> , 2017, 250, 30-34.	3.3	15
50	Socioeconomic Disadvantage Moderates the Association between Peripheral Biomarkers and Childhood Psychopathology. <i>PLoS ONE</i> , 2016, 11, e0160455.	2.5	14
51	BACE1-Deficient Mice Exhibit Alterations in Immune System Pathways. <i>Molecular Neurobiology</i> , 2018, 55, 709-717.	4.0	13
52	Mineralocorticoid receptor genotype moderates the association between physical neglect and serum BDNF. <i>Journal of Psychiatric Research</i> , 2014, 59, 8-13.	3.1	12
53	White matter deficits in cocaine use disorder: convergent evidence from in vivo diffusion tensor imaging and ex vivo proteomic analysis. <i>Translational Psychiatry</i> , 2021, 11, 252.	4.8	12
54	Tryptophan diet reduces aggressive behavior in male mice. <i>Psychology and Neuroscience</i> , 2013, 6, 397-401.	0.8	11

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55	Perinatal complications, lipid peroxidation, and mental health problems in a large community pediatric sample. <i>European Child and Adolescent Psychiatry</i> , 2017, 26, 521-529.	4.7	10
56	Plasma soluble L-selectin in medicated patients with schizophrenia and healthy controls. <i>PLoS ONE</i> , 2017, 12, e0174073.	2.5	10
57	Striatum brain-derived neurotrophic factor levels are decreased in dystrophin-deficient mice. <i>Neuroscience Letters</i> , 2009, 459, 66-68.	2.1	9
58	Association of serum brain-derived neurotrophic factor (BDNF) and tumor necrosis factor-alpha (TNF- α) with diagnosis of delirium in oncology inpatients. <i>Revista Brasileira De Psiquiatria</i> , 2015, 37, 197-202.	1.7	9
59	Lack of Association Between Serum Brain-Derived Neurotrophic Factor Levels and Improvement of Schizophrenia Symptoms in a Double-Blind, Randomized, Placebo-Controlled Trial of Memantine as Adjunctive Therapy to Clozapine. <i>Journal of Clinical Psychiatry</i> , 2010, 71, 91-92.	2.2	9
60	Reduced NGF Secretion by HT-29 Human Colon Cancer Cells Treated with a GRPR Antagonist. <i>Protein and Peptide Letters</i> , 2009, 16, 650-652.	0.9	8
61	Inflammation, neurotrophism and oxidative stress and childhood psychopathology in a large community sample. <i>Acta Psychiatrica Scandinavica</i> , 2016, 133, 122-132.	4.5	8
62	Serum BDNF levels in unaffected first-degree relatives of patients with bipolar disorder. <i>Revista Brasileira De Psiquiatria</i> , 2016, 38, 197-200.	1.7	7
63	Bipolar disorder moderates associations between linoleic acid and markers of inflammation. <i>Journal of Psychiatric Research</i> , 2017, 85, 29-36.	3.1	6
64	Expression of matrix metalloproteinases in patients with bipolar disorder. <i>Revista Brasileira De Psiquiatria</i> , 2013, 35, 375-379.	1.7	5
65	Potential Use of Stem Cells in Mood Disorders. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1089, 87-96.	1.6	2
66	Research Comparing iPSC-Derived Neural Organoids to Ex Vivo Brain Tissue of Postmortem Donors: Identity After Life?. <i>AJOB Neuroscience</i> , 2022, 13, 111-113.	1.1	2
67	Increased Serum Neurotrophin-4/5 Levels in Bipolar Disorder. <i>European Psychiatry</i> , 2009, 24, .	0.2	1
68	A Learning Based Framework for Disease Prediction from Images of Human-Derived Pluripotent Stem Cells of Schizophrenia Patients. <i>Neuroinformatics</i> , 2022, 20, 513-523.	2.8	1
69	1504 BDNF and Oxidative Stress in Children with Acute Lymphoblastic Leukemia. <i>Archives of Disease in Childhood</i> , 2012, 97, A426-A426.	1.9	0
70	P.2.e.027 Interleukin-6 as a biomarker of the model of staging in bipolar disorder. <i>European Neuropsychopharmacology</i> , 2012, 22, S291-S292.	0.7	0
71	P.2.d.033 Staging bipolar disorder: biological, clinical and functional correlates. <i>European Neuropsychopharmacology</i> , 2014, 24, S432-S433.	0.7	0
72	846. Human-Derived Astrocytes from Schizophrenia Patients Express Lower Levels of GFAP and S100B. <i>Biological Psychiatry</i> , 2017, 81, S342-S343.	1.3	0

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73	T192. Weighted Gene Coexpression Network Analysis of iPSC Generated From Patients With Schizophrenia. <i>Biological Psychiatry</i> , 2018, 83, S202-S203.	1.3	0
74	T169. Are Impulsivity and Gene Expression in Postmortem Brains Associated? Preliminary Findings From the Psychological Autopsy Interviews in the UTHealth Brain Collection. <i>Biological Psychiatry</i> , 2018, 83, S193-S194.	1.3	0
75	24RNA-SEQ ANALYSIS IN HIPSC-DERIVED NEURONS FROM PATIENTS WITH SCHIZOPHRENIA. <i>European Neuropsychopharmacology</i> , 2019, 29, S1079.	0.7	0
76	S95PROTEOMICS OF ADDICTION: POSTMORTEM BRAIN ANALYSES OF COCAINE AND OPIOID USE DISORDER. <i>European Neuropsychopharmacology</i> , 2019, 29, S163.	0.7	0
77	F178. Transcriptome Profiling in hiPSC-Derived Cell Lines From Schizophrenia Subjects Identifies Neuron-Specific Alterations in Expression of Extracellular Matrix Genes. <i>Biological Psychiatry</i> , 2019, 85, S282.	1.3	0