Lucia Carboni

List of Publications by Year
in descending order

73	1,972	218677	276875
papers	citations	26 h-index	41 g-index

78	78	78	2928
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dual MAP kinase pathways mediate opposing forms of long-term plasticity at CA3â€“CA1 synapses. Nature Neuroscience, 2000, 3, 1107-1112.	14.8	204
2	Different susceptibility to social defeat stress of BalbC and C57BL6/J mice. Behavioural Brain Research, 2011, 216, 100-108.	2.2	119
3	Early-life stress and antidepressants modulate peripheral biomarkers in a geneâ€“environment rat model of depression. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 1037-1048.	4.8	78
4	Proteomic analysis of rat hippocampus after repeated psychosocial stress. Neuroscience, 2006, 137, 1237-1246.	2.3	70
5	A role for BDNF/TrkB signaling in behavioral and physiological consequences of social defeat stress. Genes, Brain and Behavior, 2011, 10, 424-433.	2.2	66
6	Cross-disease analysis of Alzheimerâ€™s disease and type-2 Diabetes highlights the role of autophagy in the pathophysiology of two highly comorbid diseases. Scientific Reports, 2019, 9, 3965.	3.3	66
7	Biomarkers for response in major depression: comparing paroxetine and venlafaxine from two randomised placebo-controlled clinical studies. Translational Psychiatry, 2019, 9, 182.	4.8	57
8	Proteomic analysis of rat hippocampus and frontal cortex after chronic treatment with fluoxetine or putative novel antidepressants: CRF1 and NK1 receptor antagonists. European Neuropsychopharmacology, 2006, 16, 521-537.	0.7	56
9	The endogenous and reactive depression subtypes revisited: integrative animal and human studies implicate multiple distinct molecular mechanisms underlying major depressive disorder. BMC Medicine, 2014, 12, 73.	5.5	52
10	Quantitative analysis of two-dimensional gel-separated proteins using isotopically marked alkylating agents and matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 1692-1698.	1.5	51
11	Single exposure to social defeat increases corticotropin-releasing factor and glucocorticoid receptor mRNA expression in rat hippocampus. Brain Research, 2006, 1067, 25-35.	2.2	50
12	Differential expression of SAPK isoforms in the rat brain. An in situ hybridisation study in the adult rat brain and during post-natal development. Molecular Brain Research, 1998, 60, 57-68.	2.3	43
13	Proteomic analysis of rat brain tissue: Comparison of protocols for two-dimensional gel electrophoresis analysis based on different solubilizing agents. Electrophoresis, 2002, 23, 4132-4141.	2.4	43
14	Identification of genes and gene pathways associated with major depressive disorder by integrative brain analysis of rat and human prefrontal cortex transcriptomes. Translational Psychiatry, 2015, 5, e519-e519.	4.8	43
15	Regulation of cytoskeleton machinery, neurogenesis and energy metabolism pathways in a rat gene-environment model of depression revealed by proteomic analysis. Neuroscience, 2011, 176, 349-380.	2.3	42
16	Strain-specific outcomes of repeated social defeat and chronic fluoxetine treatment in the mouse. Pharmacology Biochemistry and Behavior, 2011, 97, 566-576.	2.9	40
17	Conditioning properties of social subordination in rats: Behavioral and biochemical correlates of anxiety. Hormones and Behavior, 2006, 50, 245-251.	2.1	38
18	Proteomic analysis of rat cortical neurons after fluoxetine treatment. Brain Research, 2007, 1135, 41-51.	2.2	33

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19	Alterations of behavioral and endocrinological reactivity induced by 3 brief social defeats in rats: Relevance to human psychopathology. Psychoneuroendocrinology, 2009, 34, 1405-1416.	2.7	33
20	Expression Profiling of a Genetic Animal Model of Depression Reveals Novel Molecular Pathways Underlying Depressive-Like Behaviours. PLoS ONE, 2010, 5, e12596.	2.5	33
21	Peripheral leukocyte expression of the potential biomarker proteins Bdnf, Sirt1, and Psen1 is not regulated by promoter methylation in Alzheimer's disease patients. Neuroscience Letters, 2015, 605, 44-48.	2.1	32
22	Treatment with the neurotoxic AÎ² (25â€“35) peptide modulates the expression of neuroprotective factors Pin1, Sirtuin 1, and brain-derived neurotrophic factor in SH-SY5Y human neuroblastoma cells. Experimental and Toxicologic Pathology, 2016, 68, 271-276.	2.1	31
23	Inhibition of proopiomelanocortin expression by an oligodeoxynucleotide complementary to beta-endorphin mRNA.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 8072-8076.	7.1	30
24	Social defeat-induced contextual conditioning differentially imprints behavioral and adrenal reactivity: A time-course study in the rat. Physiology and Behavior, 2007, 92, 734-740.	2.1	29
25	Cocaine and ethanol target 26S proteasome activity and gene expression in neuroblastoma cells. Drug and Alcohol Dependence, 2016, 161, 265-275.	3.2	28
26	Endogenous opioid system and atrial natriuretic factor in normotensive offspring of hypertensive parents at rest and during exercise test. Journal of Hypertension, 1994, 12, 1285???1290.	0.5	26
27	Escitalopram affects cytoskeleton and synaptic plasticity pathways in a rat geneâ€“environment interaction model of depression as revealed by proteomics. Part II: environmental challenge. International Journal of Neuropsychopharmacology, 2011, 14, 834-855.	2.1	26
28	Human apolipoprotein E4 modulates the expression of Pin1, Sirtuin 1, and Presenilin 1 in brain regions of targeted replacement apoE mice. Neuroscience, 2014, 256, 360-369.	2.3	26
29	Circadian profile of peripheral hormone levels in Sprague-Dawley rats and in common marmosets (Callithrix jacchus). In Vivo, 2010, 24, 827-36.	1.3	26
30	Cross-species evidence from human and rat brain transcriptome for growth factor signaling pathway dysregulation in major depression. Neuropsychopharmacology, 2018, 43, 2134-2145.	5.4	25
31	Localization of the messenger RNA for the c-Jun NH2-terminal kinase kinase in the adult and developing rat brain: an in situ hybridization study. Neuroscience, 1997, 80, 147-160.	2.3	22
32	Slow dissociation of partial agonists from the D2 receptor is linked to reduced prolactin release. International Journal of Neuropsychopharmacology, 2012, 15, 645-656.	2.1	22
33	Prodynorphin mRNA expression in adult cultured rat ventricular cardiac myocytes. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1172, 247-250.	2.4	21
34	Nortriptyline influences protein pathways involved in carbohydrate metabolism and actin-related processes in a rat geneâ€“environment model of depression. European Neuropsychopharmacology, 2011, 21, 545-562.	0.7	21
35	Hippocampal 5â€HT₇ receptors signal phosphorylation of the GluA1 subunit to facilitate AMPA receptor mediatedâ€neurotransmission in vitro and in vivo. British Journal of Pharmacology, 2016, 173, 1438-1451.	5.4	21
36	Escitalopram modulates neuron-remodelling proteins in a rat geneâ€“environment interaction model of depression as revealed by proteomics. Part I: genetic background. International Journal of Neuropsychopharmacology, 2011, 14, 796-833.	2.1	20

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37	Molecular mechanisms of the positive reinforcing effect of nicotine. Behavioural Pharmacology, 1999, 10, 587-596.	1.7	19
38	Differential behavioral, physiological, and hormonal sensitivity to LPS challenge in rats. International Journal of Interferon, Cytokine and Mediator Research, 2008, Volume 1, 1-13.	1.1	19
39	Opioid gene expression changes and post-translational histone modifications at promoter regions in the rat nucleus accumbens after acute and repeated 3,4-methylenedioxy-methamphetamine (MDMA) exposure. Pharmacological Research, 2016, 114, 209-218.	7.1	19
40	Peripheral Biomarkers in Animal Models of Major Depressive Disorder. Disease Markers, 2013, 35, 33-41.	1.3	18
41	Estrogen regulation of prodynorphin gene expression in the rat adenohypophysis: effect of the antiestrogen tamoxifen.. Endocrinology, 1995, 136, 1589-1594.	2.8	16
42	Proteomic changes in rat serum, polymorphonuclear and mononuclear leukocytes after chronic nicotine administration. Proteomics, 2005, 5, 1382-1394.	2.2	16
43	Increased expression of CRF and CRF-receptors in dorsal striatum, hippocampus, and prefrontal cortex after the development of nicotine sensitization in rats. Drug and Alcohol Dependence, 2018, 189, 12-20.	3.2	16
44	Depression-Associated Gene Negr1-Fgfr2 Pathway Is Altered by Antidepressant Treatment. Cells, 2020, 9, 1818.	4.1	16
45	Proteome effects of antipsychotic drugs: Learning from preclinical models. Proteomics - Clinical Applications, 2016, 10, 430-441.	1.6	15
46	Ca2+ channel blocking activity of lacidipine and amlodipine in A7r5 vascular smooth muscle cells. European Journal of Pharmacology, 1993, 244, 139-144.	2.6	13
47	CCB, a novel specific Îº opioid agonist, which discriminates between opioid and Ïƒ1 recognition sites. Life Sciences, 1995, 57, 1487-1495.	4.3	13
48	Proteomics of rat hypothalamus, hippocampus and pre-frontal/frontal cortex after central administration of the neuropeptide PACAP. Molecular Biology Reports, 2012, 39, 2921-2935.	2.3	13
49	An Exploratory Pilot Study of Changes in Global DNA Methylation in Patients Undergoing Major Breast Surgery Under Opioid-Based General Anesthesia. Frontiers in Pharmacology, 2021, 12, 733577.	3.5	13
50	Zinc is required for the expression of ornithine decarboxylase in a difluoromethylornithine-resistant cell line. Biochemical Journal, 1994, 299, 515-519.	3.7	12
51	p38 MAP kinase activation does not stimulate serotonin transport in rat brain: Implications for sickness behaviour mechanisms. Life Sciences, 2013, 93, 30-37.	4.3	12
52	Persistent cognitive and affective alterations at late withdrawal stages after long-term intermittent exposure to tobacco smoke or electronic cigarette vapour: Behavioural changes and their neurochemical correlates. Pharmacological Research, 2020, 158, 104941.	7.1	12
53	Effect of the p38 MAPK inhibitor SB-239063 on Lipopolysaccharide-induced psychomotor retardation and peripheral biomarker alterations in rats. European Journal of Pharmacology, 2011, 661, 49-56.	3.5	11
54	Differential effects of glycogen synthase kinase 3 (GSK3) inhibition by lithium or selective inhibitors in the central nervous system. Naunyn-Schmiedeberg's Archives of Pharmacology, 2013, 386, 893-903.	3.0	11

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55	Serum proteomic analysis during nicotine selfâ€administration, extinction and relapse in rats. Electrophoresis, 2008, 29, 1525-1533.	2.4	10
56	Highly polygenic architecture of antidepressant treatment response: Comparative analysis of SSRI and NRI treatment in an animal model of depression. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2017, 174, 235-250.	1.7	10
57	The contribution of proteomic studies in humans, animal models, and after antidepressant treatments to investigate the molecular neurobiology of major depression. Proteomics - Clinical Applications, 2015, 9, 889-898.	1.6	9
58	Gene expression signature of antidepressant treatment response/non-response in Flinders Sensitive Line rats subjected to maternal separation. European Neuropsychopharmacology, 2020, 31, 69-85.	0.7	9
59	Altered mRNA Levels of Stress-Related Peptides in Mouse Hippocampus and Caudate-Putamen in Withdrawal after Long-Term Intermittent Exposure to Tobacco Smoke or Electronic Cigarette Vapour. International Journal of Molecular Sciences, 2021, 22, 599.	4.1	9
60	Repeated nicotine exposure modulates prodynorphin and pronociceptin levels in the reward pathway. Drug and Alcohol Dependence, 2016, 166, 150-158.	3.2	8
61	Neuropeptide Y, calcitonin gene-related peptide, and neurokinin A in brain regions of HAB rats correlate with anxiety-like behaviours. European Neuropsychopharmacology, 2022, 57, 1-14.	0.7	8
62	Estrogen regulation of prodynorphin gene expression in the rat adenohypophysis: effect of the antiestrogen tamoxifen. Endocrinology, 1995, 136, 1589-1594.	2.8	7
63	Systems biology integration of proteomic data in rodent models of depression reveals involvement of the immune response and glutamatergic signaling. Proteomics - Clinical Applications, 2016, 10, 1254-1263.	1.6	6
64	Post-transcriptional inhibition of ornithine decarboxylase induction by zinc in a difluoromethylornithine resistant cell line. Biochimica Et Biophysica Acta - General Subjects, 1994, 1201, 101-105.	2.4	4
65	CCB: A novel anologue of MPCB with high binding affinity and specific kappa opioid receptor agonist. Regulatory Peptides, 1994, 53, S31-S32.	1.9	1
66	Agonist Binding Properties for Recombinant Kappa Opioid Receptors Expressed in CHO-K1 Cells. Annals of the New York Academy of Sciences, 1997, 812, 203-204.	3.8	1
67	S.04.01 Functional proteomic analysis of an animal model of depression combining genetic vulnerability and environmental stress. European Neuropsychopharmacology, 2006, 16, S169-S170.	0.7	1
68	P.2.d.007 Proteomic analysis of hippocampus and frontal cortex in a rat model of depression with gene-environment interaction and antidepressant treatment. European Neuropsychopharmacology, 2006, 16, S336-S337.	0.7	1
69	Proteomics of Preclinical Models of Depression. Advances in Biological Psychiatry, 2014, , 92-92.	0.2	1
70	An antisense oligodeoxynucleotide inhibits proopiomelanocortin translation in AtT-20 cell line. Pharmacological Research, 1992, 26, 40.	7.1	0
71	Inhibition of proopiomelanocortin translation by an antisense oligodeoxynucleotide. Regulatory Peptides, 1994, 53, S141-S142.	1.9	0
72	Folate metabolism biomarkers from two randomised placebo-controlled clinical studies with paroxetine and venlafaxine. World Journal of Biological Psychiatry, 2020, 22, 1-7.	2.6	0

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73	Proteome Effects of Antidepressant Medications. Advances in Neurobiology, 2011, , 399-441.	1.8	0