

Annamaria Cattaneo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7163850/publications.pdf>

Version: 2024-02-01

81
papers

7,329
citations

57631

44
h-index

64668

79
g-index

89
all docs

89
docs citations

89
times ranked

10604
citing authors

#	ARTICLE	IF	CITATIONS
1	High-fat diet during adulthood interacts with prenatal stress, affecting both brain inflammatory and neuroendocrine markers in male rats. <i>European Journal of Neuroscience</i> , 2022, 55, 2326-2340.	1.2	7
2	Neurotrophic factors, childhood trauma and psychiatric disorders: A systematic review of genetic, biochemical, cognitive and imaging studies to identify potential biomarkers. <i>Journal of Affective Disorders</i> , 2022, 308, 76-88.	2.0	4
3	Preclinical animal models of mental illnesses to translate findings from the bench to the bedside: Molecular brain mechanisms and peripheral biomarkers associated to early life stress or immune challenges. <i>European Neuropsychopharmacology</i> , 2022, 58, 55-79.	0.3	22
4	Cause or consequence? Understanding the role of cortisol in the increased inflammation observed in depression. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2022, 24, 100356.	0.6	7
5	Depression, obesity and their comorbidity during pregnancy: effects on the offspring's mental and physical health. <i>Molecular Psychiatry</i> , 2021, 26, 462-481.	4.1	34
6	Alterations in "inflammatory" pathways in the rat prefrontal cortex as early biological predictors of the long-term negative consequences of exposure to stress early in life. <i>Psychoneuroendocrinology</i> , 2021, 124, 104794.	1.3	7
7	Identifying causative mechanisms linking early-life stress to psycho-cardio-metabolic multi-morbidity: The EarlyCause project. <i>PLoS ONE</i> , 2021, 16, e0245475.	1.1	9
8	A novel murine model to study the impact of maternal depression and antidepressant treatment on biobehavioral functions in the offspring. <i>Molecular Psychiatry</i> , 2021, 26, 6756-6772.	4.1	9
9	Gene expression studies in Depression development and treatment: an overview of the underlying molecular mechanisms and biological processes to identify biomarkers. <i>Translational Psychiatry</i> , 2021, 11, 354.	2.4	40
10	Social isolation in adolescence and long-term changes in the gut microbiota composition and in the hippocampal inflammation: Implications for psychiatric disorders " Dirk Hellhammer Award Paper 2021. <i>Psychoneuroendocrinology</i> , 2021, 133, 105416.	1.3	12
11	The Complex Molecular Picture of Gut and Oral Microbiota "Brain-Depression System: What We Know and What We Need to Know. <i>Frontiers in Psychiatry</i> , 2021, 12, 722335.	1.3	19
12	Methodology for clinical genotyping of CYP2D6 and CYP2C19. <i>Translational Psychiatry</i> , 2021, 11, 596.	2.4	15
13	Exploring the role of immune pathways in the risk and development of depression in adolescence: Research protocol of the IDEA-FLAME study. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 18, 100396.	1.3	1
14	Nutritional and immunological factors in breast milk: A role in the intergenerational transmission from maternal psychopathology to child development. <i>Brain, Behavior, and Immunity</i> , 2020, 85, 57-68.	2.0	28
15	Prenatal exposure to environmental insults and enhanced risk of developing Schizophrenia and Autism Spectrum Disorder: focus on biological pathways and epigenetic mechanisms. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 117, 253-278.	2.9	88
16	Glucocorticoid exposure during hippocampal neurogenesis primes future stress response by inducing changes in DNA methylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23280-23285.	3.3	141
17	Short-Chain Fatty Acids and Lipopolysaccharide as Mediators Between Gut Dysbiosis and Amyloid Pathology in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 683-697.	1.2	183
18	Convergent Functional Genomics approach to prioritize molecular targets of risk in early life stress-related psychiatric disorders. <i>Brain, Behavior, & Immunity - Health</i> , 2020, 8, 100120.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Whole-blood expression of inflammasome- and glucocorticoid-related mRNAs correctly separates treatment-resistant depressed patients from drug-free and responsive patients in the BIODP study. <i>Translational Psychiatry</i> , 2020, 10, 232.	2.4	62
20	Long-term effects of stress early in life on microRNA-30a and its network: Preventive effects of lurasidone and potential implications for depression vulnerability. <i>Neurobiology of Stress</i> , 2020, 13, 100271.	1.9	20
21	Association between microbiota dysbiosis and endothelial dysfunction in Alzheimer's disease: An in vivo cross-sectional study. <i>Alzheimer's and Dementia</i> , 2020, 16, e042708.	0.4	0
22	Effect of a probiotic administration on inflammatory profile and clinical features in patients with Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e042737.	0.4	1
23	The Long-Term Effects of Early Life Stress on the Modulation of miR-19 Levels. <i>Frontiers in Psychiatry</i> , 2020, 11, 389.	1.3	13
24	Comparison of Bioinformatics Pipelines and Operating Systems for the Analyses of 16S rRNA Gene Amplicon Sequences in Human Fecal Samples. <i>Frontiers in Microbiology</i> , 2020, 11, 1262.	1.5	36
25	Glucocorticoids prime the inflammatory response of human hippocampal cells through up-regulation of inflammatory pathways. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 777-794.	2.0	29
26	Identification of a miRNAs signature associated with exposure to stress early in life and enhanced vulnerability for schizophrenia: New insights for the key role of miR-125b-1-3p in neurodevelopmental processes. <i>Schizophrenia Research</i> , 2019, 205, 63-75.	1.1	40
27	Current and emerging avenues for Alzheimer's disease drug targets. <i>Journal of Internal Medicine</i> , 2019, 286, 398-437.	2.7	102
28	miRNAs in depression vulnerability and resilience: novel targets for preventive strategies. <i>Journal of Neural Transmission</i> , 2019, 126, 1241-1258.	1.4	37
29	Microbiota-gut brain axis involvement in neuropsychiatric disorders. <i>Expert Review of Neurotherapeutics</i> , 2019, 19, 1037-1050.	1.4	116
30	S18. THE RELATIONSHIP BETWEEN PHYSICAL ACTIVITY, CLINICAL AND COGNITIVE CHARACTERISTICS AND BDNF MRNA LEVELS IN PATIENTS WITH SEVERE MENTAL DISORDERS. <i>Schizophrenia Bulletin</i> , 2019, 45, S312-S312.	2.3	0
31	Transcriptional Signatures of Cognitive Impairment in Rat Exposed to Prenatal Stress. <i>Molecular Neurobiology</i> , 2019, 56, 6251-6260.	1.9	25
32	Epigenetic Modifications in Stress Response Genes Associated With Childhood Trauma. <i>Frontiers in Psychiatry</i> , 2019, 10, 808.	1.3	133
33	The relationship between physical activity, clinical and cognitive characteristics and BDNF mRNA levels in patients with severe mental disorders. <i>World Journal of Biological Psychiatry</i> , 2019, 20, 567-576.	1.3	15
34	FoxO1, A2M, and TGF- β 1: three novel genes predicting depression in gene X environment interactions are identified using cross-species and cross-tissues transcriptomic and miRNomic analyses. <i>Molecular Psychiatry</i> , 2018, 23, 2192-2208.	4.1	73
35	Interferon-Alpha Reduces Human Hippocampal Neurogenesis and Increases Apoptosis via Activation of Distinct STAT1-Dependent Mechanisms. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 187-200.	1.0	85
36	Blood biomarkers and treatment response in major depression. <i>Expert Review of Molecular Diagnostics</i> , 2018, 18, 513-529.	1.5	58

#	ARTICLE	IF	CITATIONS
37	Genome-wide analysis of LPS-induced inflammatory response in the rat ventral hippocampus: Modulatory activity of the antidepressant agomelatine. <i>World Journal of Biological Psychiatry</i> , 2018, 19, 390-401.	1.3	13
38	Replicable and Coupled Changes in Innate and Adaptive Immune Gene Expression in Two Case-Control Studies of Blood Microarrays in Major Depressive Disorder. <i>Biological Psychiatry</i> , 2018, 83, 70-80.	0.7	158
39	Integrating "Omics" Approaches to Prioritize New Pathogenetic Mechanisms for Mental Disorders. <i>Neuropsychopharmacology</i> , 2018, 43, 227-228.	2.8	5
40	Genome-Wide Transcriptional Profiling and Structural Magnetic Resonance Imaging in the Maternal Immune Activation Model of Neurodevelopmental Disorders. <i>Cerebral Cortex</i> , 2017, 27, 3397-3413.	1.6	50
41	Transcriptomic analyses and leukocyte telomere length measurement in subjects exposed to severe recent stressful life events. <i>Translational Psychiatry</i> , 2017, 7, e1042-e1042.	2.4	18
42	Cellular and molecular mechanisms of the brain-derived neurotrophic factor in physiological and pathological conditions. <i>Clinical Science</i> , 2017, 131, 123-138.	1.8	93
43	Microbiota and neurodegenerative diseases. <i>Current Opinion in Neurology</i> , 2017, 30, 630-638.	1.8	64
44	Borderline personality disorder and childhood trauma: exploring the affected biological systems and mechanisms. <i>BMC Psychiatry</i> , 2017, 17, 221.	1.1	85
45	Association of brain amyloidosis with pro-inflammatory gut bacterial taxa and peripheral inflammation markers in cognitively impaired elderly. <i>Neurobiology of Aging</i> , 2017, 49, 60-68.	1.5	870
46	Peripheral whole blood microRNA alterations in major depression and bipolar disorder. <i>Journal of Affective Disorders</i> , 2016, 200, 250-258.	2.0	138
47	Transcriptomics in Interferon- γ -Treated Patients Identifies Inflammation-, Neuroplasticity- and Oxidative Stress-Related Signatures as Predictors and Correlates of Depression. <i>Neuropsychopharmacology</i> , 2016, 41, 2502-2511.	2.8	48
48	The human BDNF gene: peripheral gene expression and protein levels as biomarkers for psychiatric disorders. <i>Translational Psychiatry</i> , 2016, 6, e958-e958.	2.4	158
49	Amygdalar MicroRNA-15a Is Essential for Coping with Chronic Stress. <i>Cell Reports</i> , 2016, 17, 1882-1891.	2.9	66
50	Absolute Measurements of Macrophage Migration Inhibitory Factor and Interleukin-1 β mRNA Levels Accurately Predict Treatment Response in Depressed Patients. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyw045.	1.0	100
51	Stress-induced mechanisms in mental illness: A role for glucocorticoid signalling. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 160, 169-174.	1.2	89
52	Antidepressant Compounds Can Be Both Pro- and Anti-Inflammatory in Human Hippocampal Cells. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyu076-pyu076.	1.0	52
53	Gene-Environment Interaction in Major Depression: Focus on Experience-Dependent Biological Systems. <i>Frontiers in Psychiatry</i> , 2015, 6, 68.	1.3	113
54	Inflammation and neuronal plasticity: a link between childhood trauma and depression pathogenesis. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 40.	1.8	110

#	ARTICLE	IF	CITATIONS
55	Glucose metabolism alterations in patients with bipolar disorder. <i>Journal of Affective Disorders</i> , 2015, 184, 293-298.	2.0	34
56	Copy number variants in attention-deficit hyperactive disorder. <i>Psychiatric Genetics</i> , 2015, 25, 59-70.	0.6	25
57	Interplay between childhood trauma and BDNF val66met variants on blood BDNF mRNA levels and on hippocampus subfields volumes in schizophrenia spectrum and bipolar disorders. <i>Journal of Psychiatric Research</i> , 2014, 59, 14-21.	1.5	97
58	Interplay between the pro-oxidant and antioxidant systems and proinflammatory cytokine levels, in relation to iron metabolism and the erythron in depression. <i>Free Radical Biology and Medicine</i> , 2013, 63, 187-194.	1.3	104
59	Depression pathogenesis and treatment: what can we learn from blood mRNA expression?. <i>BMC Medicine</i> , 2013, 11, 28.	2.3	102
60	Glucocorticoid-Related Molecular Signaling Pathways Regulating Hippocampal Neurogenesis. <i>Neuropsychopharmacology</i> , 2013, 38, 872-883.	2.8	262
61	Serum and gene expression profile of cytokines in first-episode psychosis. <i>Brain, Behavior, and Immunity</i> , 2013, 31, 90-95.	2.0	174
62	Role for the kinase SGK1 in stress, depression, and glucocorticoid effects on hippocampal neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8708-8713.	3.3	272
63	Ketamine: synaptogenesis, immunomodulation and glycogen synthase kinase-3 as underlying mechanisms of its antidepressant properties. <i>Molecular Psychiatry</i> , 2013, 18, 1236-1241.	4.1	92
64	Haloperidol and olanzapine mediate metabolic abnormalities through different molecular pathways. <i>Translational Psychiatry</i> , 2013, 3, e208-e208.	2.4	24
65	Candidate Genes Expression Profile Associated with Antidepressants Response in the GENDEP Study: Differentiating between Baseline "Predictors"™ and Longitudinal "Targets"™. <i>Neuropsychopharmacology</i> , 2013, 38, 377-385.	2.8	372
66	Interleukin-1 β : A New Regulator of the Kynurenine Pathway Affecting Human Hippocampal Neurogenesis. <i>Neuropsychopharmacology</i> , 2012, 37, 939-949.	2.8	328
67	ErbB3 mRNA leukocyte levels as a biomarker for major depressive disorder. <i>BMC Psychiatry</i> , 2012, 12, 145.	1.1	16
68	Glucocorticoids, cytokines and brain abnormalities in depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 722-729.	2.5	426
69	Antidepressants increase human hippocampal neurogenesis by activating the glucocorticoid receptor. <i>Molecular Psychiatry</i> , 2011, 16, 738-750.	4.1	371
70	Stress and Inflammation Reduce Brain-Derived Neurotrophic Factor Expression in First-Episode Psychosis. <i>Journal of Clinical Psychiatry</i> , 2011, 72, 1677-1684.	1.1	245
71	Reduced peripheral brain-derived neurotrophic factor mRNA levels are normalized by antidepressant treatment. <i>International Journal of Neuropsychopharmacology</i> , 2010, 13, 103.	1.0	82
72	Reduced function of the serotonin transporter is associated with decreased expression of BDNF in rodents as well as in humans. <i>Neurobiology of Disease</i> , 2010, 37, 747-755.	2.1	107

#	ARTICLE	IF	CITATIONS
73	BDNF Val66Met polymorphism and protein levels in Amniotic Fluid. BMC Neuroscience, 2010, 11, 16.	0.8	16
74	Genetic Variations and Association. International Review of Neurobiology, 2010, 94, 129-151.	0.9	0
75	Sub-chronic exposure to atomoxetine up-regulates BDNF expression and signalling in the brain of adolescent spontaneously hypertensive rats: Comparison with methylphenidate. Pharmacological Research, 2010, 62, 523-529.	3.1	60
76	The Expression of VGF is Reduced in Leukocytes of Depressed Patients and it is Restored by Effective Antidepressant Treatment. Neuropsychopharmacology, 2010, 35, 1423-1428.	2.8	68
77	Long-Term Duloxetine Treatment Normalizes Altered Brain-Derived Neurotrophic Factor Expression in Serotonin Transporter Knockout Rats through the Modulation of Specific Neurotrophin Isoforms. Molecular Pharmacology, 2010, 77, 846-853.	1.0	56
78	Early raise of BDNF in hippocampus suggests induction of posttranscriptional mechanisms by antidepressants. BMC Neuroscience, 2009, 10, 48.	0.8	53
79	Acute Stress Responsiveness of the Neurotrophin BDNF in the Rat Hippocampus is Modulated by Chronic Treatment with the Antidepressant Duloxetine. Neuropsychopharmacology, 2009, 34, 1523-1532.	2.8	104
80	Chronic Duloxetine Treatment Induces Specific Changes in the Expression of BDNF Transcripts and in the Subcellular Localization of the Neurotrophin Protein. Neuropsychopharmacology, 2007, 32, 2351-2359.	2.8	110
81	Long-term reduction of brain-derived neurotrophic factor levels and signaling impairment following prenatal treatment with the cannabinoid receptor 1 receptor agonist (R)-(+)-[2,3-dihydro-5-methyl-3-(4-morpholinyl-methyl) pyrrolo[1,2,3-de]-1,4-benzoxazin-. European Journal of Neuroscience, 2007, 25, 3305-3311.	1.2	15