

Marta C Antonelli

List of Publications by Year in descending order

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63
papers

1,751
citations

236925

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h-index

302126

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64
all docs

64
docs citations

64
times ranked

1811
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term effects of prenatal stress on dopamine and glutamate receptors in adult rat brain. <i>Neurochemical Research</i> , 2002, 27, 1525-1533.	3.3	159
2	Distribution of D4 dopamine receptor in rat brain with sequence-specific antibodies. <i>Molecular Brain Research</i> , 1997, 45, 1-12.	2.3	132
3	Astrocyteâ€™s neuron vulnerability to prenatal stress in the adult rat brain. <i>Journal of Neuroscience Research</i> , 2006, 83, 787-800.	2.9	92
4	Exposure to a glyphosate-based herbicide during pregnancy and lactation induces neurobehavioral alterations in rat offspring. <i>NeuroToxicology</i> , 2016, 53, 20-28.	3.0	74
5	Early adoption modifies the effects of prenatal stress on dopamine and glutamate receptors in adult rat brain. <i>Journal of Neuroscience Research</i> , 2004, 76, 488-496.	2.9	71
6	Prenatal stress and early adoption effects on benzodiazepine receptors and anxiogenic behavior in the adult rat brain. <i>Synapse</i> , 2006, 60, 609-618.	1.2	71
7	Gestational Restraint Stress and the Developing Dopaminergic System: An Overview. <i>Neurotoxicity Research</i> , 2012, 22, 16-32.	2.7	58
8	Prenatal restraint stress differentially modifies basal and stimulated dopamine and noradrenaline release in the nucleus accumbens shell: an <i>in vivo</i> microdialysis study in adolescent and young adult rats. <i>European Journal of Neuroscience</i> , 2008, 28, 744-758.	2.6	57
9	Prenatal stress changes the glycoprotein GPM6A gene expression and induces epigenetic changes in rat offspring brain. <i>Epigenetics</i> , 2014, 9, 152-160.	2.7	53
10	Localization of the plasma membrane Ca ²⁺ -ATPase isoform PMCA3 in rat cerebellum, choroid plexus and hippocampus. <i>Molecular Brain Research</i> , 1995, 29, 71-80.	2.3	48
11	Prenatal maternal restraint stress exposure alters the reproductive hormone profile and testis development of the rat male offspring. <i>Stress</i> , 2013, 16, 429-440.	1.8	48
12	Long-term consequences of prenatal stress and neurotoxicants exposure on neurodevelopment. <i>Progress in Neurobiology</i> , 2017, 155, 21-35.	5.7	47
13	Effects of 2,4-dichlorophenoxyacetic acid exposure on dopamine D2-like receptors in rat brain. <i>Neurotoxicology and Teratology</i> , 2004, 26, 599-605.	2.4	39
14	Prenatal restraint stress: an <i>in vivo</i> microdialysis study on catecholamine release in the rat prefrontal cortex. <i>Neuroscience</i> , 2010, 168, 156-166.	2.3	39
15	Ontogenetic Expression of Dopamine-Related Transcription Factors and Tyrosine Hydroxylase in Prenatally Stressed Rats. <i>Neurotoxicity Research</i> , 2010, 18, 69-81.	2.7	38
16	Autoradiographic localization of the putative D4 dopamine receptor in rat brain. <i>Neurochemical Research</i> , 1997, 22, 401-407.	3.3	37
17	A Review on the Vagus Nerve and Autonomic Nervous System During Fetal Development: Searching for Critical Windows. <i>Frontiers in Neuroscience</i> , 2021, 15, 721605.	2.8	37
18	Morphine withdrawal syndrome and its prevention with baclofen: Autoradiographic study of μ -opioid receptors in prepubertal male and female mice. <i>Synapse</i> , 2006, 60, 132-140.	1.2	34

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19	Microglial memory of early life stress and inflammation: Susceptibility to neurodegeneration in adulthood. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 117, 232-242.	6.1	34
20	Quantitative analysis of the dopamine D4 receptor in the mouse brain. , 2000, 59, 202-208.		32
21	Glutamate neurotransmission is affected in prenatally stressed offspring. <i>Neurochemistry International</i> , 2015, 88, 73-87.	3.8	32
22	Non-invasive biomarkers of fetal brain development reflecting prenatal stress: An integrative multi-scale multi-species perspective on data collection and analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 117, 165-183.	6.1	31
23	D4 dopamine and metabotropic glutamate receptors in cerebral cortex and striatum in rat brain. <i>Neurochemical Research</i> , 2001, 26, 345-352.	3.3	30
24	Differential Localization of Metabotropic Glutamate Receptors during Postnatal Development. <i>Developmental Neuroscience</i> , 2002, 24, 272-282.	2.0	29
25	Age-Dependent Effects of Prenatal Stress on the Corticolimbic Dopaminergic System Development in the Rat Male Offspring. <i>Neurochemical Research</i> , 2013, 38, 2323-2335.	3.3	28
26	Effects of prenatal stress on dopamine D2 receptor asymmetry in rat brain. <i>Synapse</i> , 2007, 61, 459-462.	1.2	26
27	Prenatal restraint stress decreases the expression of alpha-7 nicotinic receptor in the brain of adult rat offspring. <i>Stress</i> , 2015, 18, 435-445.	1.8	26
28	Fetal heart rate variability responsiveness to maternal stress, non-invasively detected from maternal transabdominal ECG. <i>Archives of Gynecology and Obstetrics</i> , 2020, 301, 405-414.	1.7	26
29	Immunocytochemical expression of dopamine-related transcription factors Pitx3 and Nurr1 in prenatally stressed adult rats. <i>Journal of Neuroscience Research</i> , 2009, 87, 1014-1022.	2.9	24
30	Localization and Characterization of Binding Sites with High Affinity for [3H]Ouabain in Cerebral Cortex of Rabbit Brain Using Quantitative Autoradiography. <i>Journal of Neurochemistry</i> , 1989, 52, 193-200.	3.9	22
31	Effect of Na ⁺ , K ⁺ -ATPase modifiers on high-affinity ouabain binding determined by quantitative autoradiography. <i>Journal of Neuroscience Research</i> , 1991, 28, 324-331.	2.9	20
32	Î±7 Nicotinic Acetylcholine Receptor Signaling Modulates Ovine Fetal Brain Astrocytes Transcriptome in Response to Endotoxin. <i>Frontiers in Immunology</i> , 2019, 10, 1063.	4.8	18
33	Detection of maternal and fetal stress from the electrocardiogram with self-supervised representation learning. <i>Scientific Reports</i> , 2021, 11, 24146.	3.3	17
34	Increased Sensitivity in Dopamine D ₂ -like Brain Receptors from 2,4-Dichlorophenoxyacetic Acid (2,4-DCP) Exposed and Amphetamine Challenged Rats. <i>Annals of the New York Academy of Sciences</i> , 2002, 965, 314-323.	3.8	16
35	New Strategies in Neuroprotection and Neurorepair. <i>Neurotoxicity Research</i> , 2012, 21, 49-56.	2.7	14
36	Prenatal Stress and Neurodevelopmental Plasticity: Relevance to Psychopathology. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1015, 117-129.	1.6	14

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37	Lack of GABAB receptors modifies behavioural and biochemical alterations induced by precipitated nicotine withdrawal. <i>Neuropharmacology</i> , 2015, 90, 90-101.	4.1	13
38	Unravelling the Link Between Prenatal Stress, Dopamine and Substance Use Disorder. <i>Neurotoxicity Research</i> , 2017, 31, 169-186.	2.7	13
39	Maternal fetal stress and DNA methylation signatures in neonatal saliva: an epigenome-wide association study. <i>Clinical Epigenetics</i> , 2022, 14, .	4.1	13
40	Early Biomarkers and Intervention Programs for the Infant Exposed to Prenatal Stress. <i>Current Neuropharmacology</i> , 2022, 20, 94-106.	2.9	11
41	Intrastriatal 6-OHDA Lesion Differentially Affects Dopaminergic Neurons in the Ventral Tegmental Area of Prenatally Stressed Rats. <i>Neurotoxicity Research</i> , 2014, 26, 274-284.	2.7	10
42	Prenatal stress increases adult vulnerability to cocaine reward without affecting pubertal anxiety or novelty response. <i>Behavioural Brain Research</i> , 2018, 339, 186-194.	2.2	10
43	CNS adenosine A1 receptors are altered after the administration of convulsant 3-mercaptopropionic acid and cyclopentyladenosine: an autoradiographic study. <i>Neurochemical Research</i> , 1998, 23, 175-181.	3.3	9
44	Early-Life Stress Reprograms Stress-Coping Abilities in Male and Female Juvenile Rats. <i>Molecular Neurobiology</i> , 2021, 58, 5837-5856.	4.0	9
45	Corticosterone down-regulates dopamine D4 receptor in a mouse cerebral cortex neuronal cell line. <i>Neurotoxicity Research</i> , 2003, 5, 369-373.	2.7	8
46	Differential Expression of Cerebellar Metabotropic Glutamate Receptors mGLUR2/3 and mGLUR4a after the Administration of a Convulsant Drug and the Adenosine Analogue Cyclopentyladenosine. <i>Neurochemical Research</i> , 2007, 32, 1120-1128.	3.3	8
47	Maternal administration of flutamide during late gestation affects the brain and reproductive organs development in the rat male offspring. <i>Neuroscience</i> , 2014, 278, 122-135.	2.3	8
48	Original mechanisms of antipsychotic action by the indole alkaloid alstonine (<i>Picralima nitida</i>). <i>Phytomedicine</i> , 2015, 22, 52-55.	5.3	8
49	Quantitative analysis of the dopamine D4 receptor in the mouse brain. <i>Journal of Neuroscience Research</i> , 2000, 59, 202-8.	2.9	8
50	Mecamylamine-precipitated nicotine withdrawal syndrome and its prevention with baclofen: An autoradiographic study of $\alpha 4\beta 2$ nicotinic acetylcholine receptors in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 44, 217-225.	4.8	7
51	In Search of Concomitant Alterations of Dopaminergic and Neurotensinergic Systems in Stress Conditions. <i>Neurochemical Research</i> , 2016, 41, 423-430.	3.3	7
52	Perinatal Psychoneuroimmunology: Protocols for the Study of Prenatal Stress and Its Effects on Fetal and Postnatal Brain Development. <i>Methods in Molecular Biology</i> , 2018, 1781, 353-376.	0.9	7
53	Hormonal Modulation of Catecholaminergic Neurotransmission in a Prenatal Stress Model. <i>Advances in Neurobiology</i> , 2015, 10, 45-59.	1.8	6
54	Prefrontal cortex nicotinic receptor inhibition by methyllycaconitine impaired cocaine-associated memory acquisition and retrieval. <i>Behavioural Brain Research</i> , 2021, 406, 113212.	2.2	5

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55	Localization of Na, K-ATPase isoforms in the hypothalamus of the rat. Cellular and Molecular Biology, 1995, 41, 79-85.	0.9	5
56	Serotonin modulation of low-affinity ouabain binding in rat brain determined by quantitative autoradiography. Neurochemical Research, 1998, 23, 939-944.	3.3	4
57	In Vivo and In Vitro Neuronal Plasticity Modulation by Epigenetic Regulators. Journal of Molecular Neuroscience, 2018, 65, 301-311.	2.3	3
58	Animal Models of Fetal Programming: Focus on Chronic Maternal Stress During Pregnancy and Neurodevelopment. , 2017, , 839-849.		2
59	Perceived maternal stress during pregnancy affects newborn development in a low-income cohort of pregnant women.. Placenta, 2019, 83, e74-e75.	1.5	2
60	Prenatal stress perturbs fetal iron homeostasis in a sex specific manner. Scientific Reports, 2022, 12, .	3.3	2
61	Desipramine modulates 3H-ouabain binding in rat hypothalamus. , 1997, 47, 77-82.		0
62	Poster #206 ANTIPSYCHOTIC-LIKE EFFECTS INDEPENDENT OF D2 RECEPTORS BLOCKADE: THE CASE OF ALSTONINE. Schizophrenia Research, 2012, 136, S355.	2.0	0
63	Polyclonal Antibodies to Extramembrane Domains of Na ⁺ /K ⁺ -ATPase $\hat{1}\pm 1$ and $\hat{1}\pm 3$ Isoforms. , 1994, , 222-225.		0