

Esther Castillo-Gómez

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,802
citations

236833

25
h-index

289141

40
g-index

45
all docs

45
docs citations

45
times ranked

2206
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic stress alters inhibitory networks in the medial prefrontal cortex of adult mice. <i>Brain Structure and Function</i> , 2013, 218, 1591-1605.	1.2	112
2	All naturally occurring autoantibodies against the NMDA receptor subunit NR1 have pathogenic potential irrespective of epitope and immunoglobulin class. <i>Molecular Psychiatry</i> , 2017, 22, 1776-1784.	4.1	110
3	A Population of Prenatally Generated Cells in the Rat Paleocortex Maintains an Immature Neuronal Phenotype into Adulthood. <i>Cerebral Cortex</i> , 2008, 18, 2229-2240.	1.6	105
4	MAP/ERK Signaling in Developing Cognitive and Emotional Function and Its Effect on Pathological and Neurodegenerative Processes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4471.	1.8	96
5	Expression of PSA-NCAM and synaptic proteins in the amygdala of psychiatric disorder patients. <i>Journal of Psychiatric Research</i> , 2012, 46, 189-197.	1.5	91
6	Chronic Fluoxetine Treatment Increases the Expression of PSA-NCAM in the Medial Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2007, 32, 803-812.	2.8	90
7	Chronic stress induces changes in the structure of interneurons and in the expression of molecules related to neuronal structural plasticity and inhibitory neurotransmission in the amygdala of adult mice. <i>Experimental Neurology</i> , 2011, 232, 33-40.	2.0	88
8	The Polysialylated Form of the Neural Cell Adhesion Molecule (PSA-NCAM) Is Expressed in a Subpopulation of Mature Cortical Interneurons Characterized by Reduced Structural Features and Connectivity. <i>Cerebral Cortex</i> , 2011, 21, 1028-1041.	1.6	85
9	Expression of the transcription factor Pax6 in the adult rat dentate gyrus. <i>Journal of Neuroscience Research</i> , 2005, 81, 753-761.	1.3	79
10	The brain as immunoprecipitator of serum autoantibodies against Nâ€Methylâ€Dâ€aspartate receptor subunit NR1. <i>Annals of Neurology</i> , 2016, 79, 144-151.	2.8	75
11	PSA-NCAM expression in the rat medial prefrontal cortex. <i>Neuroscience</i> , 2005, 136, 435-443.	1.1	71
12	N-methyl-d-aspartate receptor expression during adult neurogenesis in the rat dentate gyrus. <i>Neuroscience</i> , 2007, 144, 855-864.	1.1	71
13	Structural Plasticity of Interneurons in the Adult Brain: Role of PSA-NCAM and Implications for Psychiatric Disorders. <i>Neurochemical Research</i> , 2013, 38, 1122-1133.	1.6	67
14	Early Social Isolation Stress and Perinatal NMDA Receptor Antagonist Treatment Induce Changes in the Structure and Neurochemistry of Inhibitory Neurons of the Adult Amygdala and Prefrontal Cortex. <i>ENeuro</i> , 2017, 4, ENEURO.0034-17.2017.	0.9	58
15	Chronic antidepressant treatment induces contrasting patterns of synaptophysin and PSA-NCAM expression in different regions of the adult rat telencephalon. <i>European Neuropsychopharmacology</i> , 2007, 17, 546-557.	0.3	57
16	Long-Term Behavioral Programming Induced by Peripuberty Stress in Rats Is Accompanied by GABAergic-Related Alterations in the Amygdala. <i>PLoS ONE</i> , 2014, 9, e94666.	1.1	51
17	PSA-NCAM expression in the human prefrontal cortex. <i>Journal of Chemical Neuroanatomy</i> , 2007, 33, 202-209.	1.0	47
18	Automated analysis of images for molecular quantification in immunohistochemistry. <i>Heliyon</i> , 2018, 4, e00669.	1.4	46

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19	The Dendritic Spines of Interneurons Are Dynamic Structures Influenced by PSA-NCAM Expression. <i>Cerebral Cortex</i> , 2014, 24, 3014-3024.	1.6	45
20	Dopamine acting through D2 receptors modulates the expression of PSA-NCAM, a molecule related to neuronal structural plasticity, in the medial prefrontal cortex of adult rats. <i>Experimental Neurology</i> , 2008, 214, 97-111.	2.0	40
21	Effects of chronic fluoxetine treatment on the rat somatosensory cortex: Activation and induction of neuronal structural plasticity. <i>Neuroscience Letters</i> , 2009, 457, 12-15.	1.0	39
22	Polysialic Acid Is Required for Dopamine D2 Receptor-Mediated Plasticity Involving Inhibitory Circuits of the Rat Medial Prefrontal Cortex. <i>PLoS ONE</i> , 2011, 6, e29516.	1.1	38
23	Reduced interneuronal dendritic arborization in CA1 but not in CA3 region of mice subjected to chronic mild stress. <i>Brain and Behavior</i> , 2017, 7, e00534.	1.0	35
24	Differential evolution of PSA-NCAM expression during aging of the rat telencephalon. <i>Neurobiology of Aging</i> , 2009, 30, 808-818.	1.5	30
25	Streptozotocin diabetic mice display depressive-like behavior and alterations in the structure, neurotransmission and plasticity of medial prefrontal cortex interneurons. <i>Brain Research Bulletin</i> , 2015, 116, 45-56.	1.4	29
26	NMDA Receptors Regulate the Structural Plasticity of Spines and Axonal Boutons in Hippocampal Interneurons. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 166.	1.8	23
27	Long term effects of peripubertal stress on excitatory and inhibitory circuits in the prefrontal cortex of male and female mice. <i>Neurobiology of Stress</i> , 2021, 14, 100322.	1.9	17
28	Parvalbumin Interneurons and Perineuronal Nets in the Hippocampus and Retrosplenial Cortex of Adult Male Mice After Early Social Isolation Stress and Perinatal NMDA Receptor Antagonist Treatment. <i>Frontiers in Synaptic Neuroscience</i> , 2021, 13, 733989.	1.3	13
29	Becoming Stressed: Does the Age Matter? Reviewing the Neurobiological and Socio-Affective Effects of Stress throughout the Lifespan. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5819.	1.8	12
30	A Critical Period for Prefrontal Network Configurations Underlying Psychiatric Disorders and Addiction. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 51.	1.0	12
31	The TrkB agonist 7,8-dihydroxyflavone changes the structural dynamics of neocortical pyramidal neurons and improves object recognition in mice. <i>Brain Structure and Function</i> , 2018, 223, 2393-2408.	1.2	11
32	Effects of Chronic Dopamine D2R Agonist Treatment and Polysialic Acid Depletion on Dendritic Spine Density and Excitatory Neurotransmission in the mPFC of Adult Rats. <i>Neural Plasticity</i> , 2016, 2016, 1-12.	1.0	10
33	Polysialic Acid Acute Depletion Induces Structural Plasticity in Interneurons and Impairs the Excitation/Inhibition Balance in Medial Prefrontal Cortex Organotypic Cultures. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 170.	1.8	10
34	Effects of Dopamine on the Immature Neurons of the Adult Rat Piriform Cortex. <i>Frontiers in Neuroscience</i> , 2020, 14, 574234.	1.4	8
35	Involvement of the Nucleus Incertus and Relaxin-3/RXFP3 Signaling System in Explicit and Implicit Memory. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 637922.	0.9	8
36	The activation of NMDA receptors alters the structural dynamics of the spines of hippocampal interneurons. <i>Neuroscience Letters</i> , 2017, 658, 79-84.	1.0	6

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37	Impact of stress on inhibitory neuronal circuits, our tribute to Bruce McEwen. <i>Neurobiology of Stress</i> , 2022, 19, 100460.	1.9	6
38	Relaxin-3 Innervation From the Nucleus Incertus to the Parahippocampal Cortex of the Rat. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 674649.	0.9	5
39	P.2.h.002 Chronic stress induces changes in neuronal plasticity and inhibitory neurotransmission in the amygdala of adult mice. <i>European Neuropsychopharmacology</i> , 2010, 20, S428.	0.3	0
40	Response to Letter Regarding Article, “Preexisting Serum Autoantibodies Against the NMDAR Subunit NR1 Modulate Evolution of Lesion Size in Acute Ischemic Stroke”. <i>Stroke</i> , 2015, 46, e178.	1.0	0
41	The brain as “immunoprecipitator” of serum autoantibodies directed against the NMDAR subunit NR1. <i>Neurology Psychiatry and Brain Research</i> , 2016, 22, 5.	2.0	0