

Esther Castillo-Gmez

List of Publications by Citations

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39
papers

1,413
citations

24
h-index

37
g-index

45
ext. papers

1,618
ext. citations

4.6
avg, IF

4.32
L-index

#	Paper	IF	Citations
39	A population of prenatally generated cells in the rat paleocortex maintains an immature neuronal phenotype into adulthood. <i>Cerebral Cortex</i> , 2008 , 18, 2229-40	5.1	91
38	Chronic stress alters inhibitory networks in the medial prefrontal cortex of adult mice. <i>Brain Structure and Function</i> , 2013 , 218, 1591-605	4	86
37	Chronic fluoxetine treatment increases the expression of PSA-NCAM in the medial prefrontal cortex. <i>Neuropsychopharmacology</i> , 2007 , 32, 803-12	8.7	82
36	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	15.1	81
35	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	5.7	79
34	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, 1028-41	5.1	77
33	Expression of PSA-NCAM and synaptic proteins in the amygdala of psychiatric disorder patients. <i>Journal of Psychiatric Research</i> , 2012 , 46, 189-97	5.2	76
32	Expression of the transcription factor Pax 6 in the adult rat dentate gyrus. <i>Journal of Neuroscience Research</i> , 2005 , 81, 753-61	4.4	68
31	N-methyl-d-aspartate receptor expression during adult neurogenesis in the rat dentate gyrus. <i>Neuroscience</i> , 2007 , 144, 855-64	3.9	67
30	PSA-NCAM expression in the rat medial prefrontal cortex. <i>Neuroscience</i> , 2005 , 136, 435-43	3.9	66
29	Structural plasticity of interneurons in the adult brain: role of PSA-NCAM and implications for psychiatric disorders. <i>Neurochemical Research</i> , 2013 , 38, 1122-33	4.6	59
28	The brain as immunoprecipitator of serum autoantibodies against N-Methyl-D-aspartate receptor subunit NR1. <i>Annals of Neurology</i> , 2016 , 79, 144-51	9.4	56
27	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, 546-57	1.2	55
26	PSA-NCAM expression in the human prefrontal cortex. <i>Journal of Chemical Neuroanatomy</i> , 2007 , 33, 202-92	3.2	46
25	The dendritic spines of interneurons are dynamic structures influenced by PSA-NCAM expression. <i>Cerebral Cortex</i> , 2014 , 24, 3014-24	5.1	41
24	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	5.7	39
23	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	3.7	37

22	Effects of chronic fluoxetine treatment on the rat somatosensory cortex: activation and induction of neuronal structural plasticity. <i>Neuroscience Letters</i> , 2009 , 457, 12-5	3.3	36
21	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,	6.3	34
20	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	3.7	32
19	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,	3.9	30
18	Automated analysis of images for molecular quantification in immunohistochemistry. <i>Heliyon</i> , 2018 , 4, e00669	3.6	30
17	Differential evolution of PSA-NCAM expression during aging of the rat telencephalon. <i>Neurobiology of Aging</i> , 2009 , 30, 808-18	5.6	27
16	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	3.4	25
15	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	3.9	23
14	NMDA Receptors Regulate the Structural Plasticity of Spines and Axonal Boutons in Hippocampal Interneurons. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 166	6.1	15
13	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, 1615363	3.3	9
12	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	6.1	9
11	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	7.6	6
10	A Critical Period for Prefrontal Network Configurations Underlying Psychiatric Disorders and Addiction. <i>Frontiers in Behavioral Neuroscience</i> , 2020 , 14, 51	3.5	5
9	The activation of NMDA receptors alters the structural dynamics of the spines of hippocampal interneurons. <i>Neuroscience Letters</i> , 2017 , 658, 79-84	3.3	4
8	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,	6.3	4
7	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	3.5	4
6	Effects of Dopamine on the Immature Neurons of the Adult Rat Piriform Cortex. <i>Frontiers in Neuroscience</i> , 2020 , 14, 574234	5.1	3
5	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	4	3

4	Involvement of the and Relaxin-3/RXFP3 Signaling System in Explicit and Implicit Memory. <i>Frontiers in Neuroanatomy</i> , 2021 , 15, 637922	3.6	3
3	Relaxin-3 Innervation From the Nucleus Incertus to the Parahippocampal Cortex of the Rat. <i>Frontiers in Neuroanatomy</i> , 2021 , 15, 674649	3.6	0
2	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	6.7	
1	Impact of stress on inhibitory neuronal circuits, our tribute to Bruce McEwen. <i>Neurobiology of Stress</i> , 2022 , 19, 100460	7.6	