Esther Castillo-GÃ“mez

List of Publications by Year
in descending order

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	Impact of stress on inhibitory neuronal circuits, our tribute to Bruce McEwen. Neurobiology of Stress, 2022, 19, 100460.	1.9	6
2	Involvement of the Nucleus Incertus and Relaxin-3/RXFP3 Signaling System in Explicit and Implicit Memory. Frontiers in Neuroanatomy, 2021, 15, 637922.	0.9	8
3	Long term effects of peripubertal stress on excitatory and inhibitory circuits in the prefrontal cortex of male and female mice. Neurobiology of Stress, 2021, 14, 100322.	1.9	17
4	Relaxin-3 Innervation From the Nucleus Incertus to the Parahippocampal Cortex of the Rat. Frontiers in Neuroanatomy, 2021, 15, 674649.	0.9	5
5	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. Frontiers in Synaptic Neuroscience, 2021, 13, 733989.	1.3	13
6	Becoming Stressed: Does the Age Matter? Reviewing the Neurobiological and Socio-Affective Effects of Stress throughout the Lifespan. International Journal of Molecular Sciences, 2020, 21, 5819.	1.8	12
7	Effects of Dopamine on the Immature Neurons of the Adult Rat Piriform Cortex. Frontiers in Neuroscience, 2020, 14, 574234.	1.4	8
8	MAP/ERK Signaling in Developing Cognitive and Emotional Function and Its Effect on Pathological and Neurodegenerative Processes. International Journal of Molecular Sciences, 2020, 21, 4471.	1.8	96
9	A Critical Period for Prefrontal Network Configurations Underlying Psychiatric Disorders and Addiction. Frontiers in Behavioral Neuroscience, 2020, 14, 51.	1.0	12
10	The TrkB agonist 7,8-dihydroxyflavone changes the structural dynamics of neocortical pyramidal neurons and improves object recognition in mice. Brain Structure and Function, 2018, 223, 2393-2408.	1.2	11
11	Automated analysis of images for molecular quantification in immunohistochemistry. Heliyon, 2018, 4, e00669.	1.4	46
12	Reduced interneuronal dendritic arborization in CA1 but not in CA3 region of mice subjected to chronic mild stress. Brain and Behavior, 2017, 7, e00534.	1.0	35
13	The activation of NMDA receptors alters the structural dynamics of the spines of hippocampal interneurons. Neuroscience Letters, 2017, 658, 79-84.	1.0	6
14	All naturally occurring autoantibodies against the NMDA receptor subunit NR1 have pathogenic potential irrespective of epitope and immunoglobulin class. Molecular Psychiatry, 2017, 22, 1776-1784.	4.1	110
15	NMDA Receptors Regulate the Structural Plasticity of Spines and Axonal Boutons in Hippocampal Interneurons. Frontiers in Cellular Neuroscience, 2017, 11, 166.	1.8	23
16	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. ENeuro, 2017, 4, ENEURO.0034-17.2017.	0.9	58
17	Effects of Chronic Dopamine D2R Agonist Treatment and Polysialic Acid Depletion on Dendritic Spine Density and Excitatory Neurotransmission in the mPFC of Adult Rats. Neural Plasticity, 2016, 2016, 1-12.	1.0	10
18	Polysialic Acid Acute Depletion Induces Structural Plasticity in Interneurons and Impairs the Excitation/Inhibition Balance in Medial Prefrontal Cortex Organotypic Cultures. Frontiers in Cellular Neuroscience, 2016, 10, 170.	1.8	10

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19	The brain as immunoprecipitator of serum autoantibodies against Nâ€Methylâ€Dâ€aspartate receptor subunit NR1. Annals of Neurology, 2016, 79, 144-151.	2.8	75
20	The brain as â€˜immunoprecipitatorâ€™ of serum autoantibodies directed against the NMDAR subunit NR1. Neurology Psychiatry and Brain Research, 2016, 22, 5.	2.0	0
21	Streptozotocin diabetic mice display depressive-like behavior and alterations in the structure, neurotransmission and plasticity of medial prefrontal cortex interneurons. Brain Research Bulletin, 2015, 116, 45-56.	1.4	29
22	Response to Letter Regarding Article, â€œPreexisting Serum Autoantibodies Against the NMDAR Subunit NR1 Modulate Evolution of Lesion Size in Acute Ischemic Strokeâ€• Stroke, 2015, 46, e178.	1.0	0
23	The Dendritic Spines of Interneurons Are Dynamic Structures Influenced by PSA-NCAM Expression. Cerebral Cortex, 2014, 24, 3014-3024.	1.6	45
24	Long-Term Behavioral Programming Induced by Peripuberty Stress in Rats Is Accompanied by GABAergic-Related Alterations in the Amygdala. PLoS ONE, 2014, 9, e94666.	1.1	51
25	Structural Plasticity of Interneurons in the Adult Brain: Role of PSA-NCAM and Implications for Psychiatric Disorders. Neurochemical Research, 2013, 38, 1122-1133.	1.6	67
26	Chronic stress alters inhibitory networks in the medial prefrontal cortex of adult mice. Brain Structure and Function, 2013, 218, 1591-1605.	1.2	112
27	Expression of PSA-NCAM and synaptic proteins in the amygdala of psychiatric disorder patients. Journal of Psychiatric Research, 2012, 46, 189-197.	1.5	91
28	Polysialic Acid Is Required for Dopamine D2 Receptor-Mediated Plasticity Involving Inhibitory Circuits of the Rat Medial Prefrontal Cortex. PLoS ONE, 2011, 6, e29516.	1.1	38
29	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. Experimental Neurology, 2011, 232, 33-40.	2.0	88
30	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. Cerebral Cortex, 2011, 21, 1028-1041.	1.6	85
31	P.2.h.002 Chronic stress induces changes in neuronal plasticity and inhibitory neurotransmission in the amygdala of adult mice. European Neuropsychopharmacology, 2010, 20, S428.	0.3	0
32	Differential evolution of PSA-NCAM expression during aging of the rat telencephalon. Neurobiology of Aging, 2009, 30, 808-818.	1.5	30
33	Effects of chronic fluoxetine treatment on the rat somatosensory cortex: Activation and induction of neuronal structural plasticity. Neuroscience Letters, 2009, 457, 12-15.	1.0	39
34	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. Experimental Neurology, 2008, 214, 97-111.	2.0	40
35	A Population of Prenatally Generated Cells in the Rat Paleocortex Maintains an Immature Neuronal Phenotype into Adulthood. Cerebral Cortex, 2008, 18, 2229-2240.	1.6	105
36	Chronic Fluoxetine Treatment Increases the Expression of PSA-NCAM in the Medial Prefrontal Cortex. Neuropsychopharmacology, 2007, 32, 803-812.	2.8	90

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37	N-methyl-d-aspartate receptor expression during adult neurogenesis in the rat dentate gyrus. Neuroscience, 2007, 144, 855-864.	1.1	71
38	PSA-NCAM expression in the human prefrontal cortex. Journal of Chemical Neuroanatomy, 2007, 33, 202-209.	1.0	47
39	Chronic antidepressant treatment induces contrasting patterns of synaptophysin and PSA-NCAM expression in different regions of the adult rat telencephalon. European Neuropsychopharmacology, 2007, 17, 546-557.	0.3	57
40	Expression of the transcription factor Pax6 in the adult rat dentate gyrus. Journal of Neuroscience Research, 2005, 81, 753-761.	1.3	79
41	PSA-NCAM expression in the rat medial prefrontal cortex. Neuroscience, 2005, 136, 435-443.	1.1	71