

Emilio Varea

List of Publications by Year in descending order

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59
papers

2,317
citations

159358

30
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223531

46
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all docs

59
docs citations

59
times ranked

2954
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Upregulation of Polysialylated Neural Cell Adhesion Molecule in the Dorsal Hippocampus after Contextual Fear Conditioning Is Involved in Long-Term Memory Formation. <i>Journal of Neuroscience</i> , 2007, 27, 4552-4561.	1.7	90
4	Chronic Fluoxetine Treatment Increases the Expression of PSA-NCAM in the Medial Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2007, 32, 803-812.	2.8	90
5	Role of Late Maternal Thyroid Hormones in Cerebral Cortex Development: An Experimental Model for Human Prematurity. <i>Cerebral Cortex</i> , 2010, 20, 1462-1475.	1.6	90
6	Alterations in the expression of PSA-NCAM and synaptic proteins in the dorsolateral prefrontal cortex of psychiatric disorder patients. <i>Neuroscience Letters</i> , 2012, 530, 97-102.	1.0	89
7	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
8	Rescuing Over-activated Microglia Restores Cognitive Performance in Juvenile Animals of the Dp(16) Mouse Model of Down Syndrome. <i>Neuron</i> , 2020, 108, 887-904.e12.	3.8	82
9	Macrophage migration inhibitory factor is critically involved in basal and fluoxetine-stimulated adult hippocampal cell proliferation and in anxiety, depression, and memory-related behaviors. <i>Molecular Psychiatry</i> , 2011, 16, 533-547.	4.1	81
10	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
11	Chronic stress-induced alterations in amygdala responsiveness and behavior modulation by trait anxiety and corticotropin-releasing factor systems. <i>European Journal of Neuroscience</i> , 2008, 28, 1836-1848.	1.2	77
12	Alteration of inhibitory circuits in the somatosensory cortex of Ts65Dn mice, a model for Down syndrome. <i>Journal of Neural Transmission</i> , 2010, 117, 445-455.	1.4	73
13	Personality traits in rats predict vulnerability and resilience to developing stress-induced depression-like behaviors, HPA axis hyper-reactivity and brain changes in pERK1/2 activity. <i>Psychoneuroendocrinology</i> , 2012, 37, 1209-1223.	1.3	73
14	PSA-NCAM expression in the rat medial prefrontal cortex. <i>Neuroscience</i> , 2005, 136, 435-443.	1.1	71
15	N-methyl-d-aspartate receptor expression during adult neurogenesis in the rat dentate gyrus. <i>Neuroscience</i> , 2007, 144, 855-864.	1.1	71
16	Chronic stress in adulthood followed by intermittent stress impairs spatial memory and the survival of newborn hippocampal cells in aging animals: prevention by FGL, a peptide mimetic of neural cell adhesion molecule. <i>Behavioural Pharmacology</i> , 2008, 19, 41-49.	0.8	63
17	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
18	Role of the Amygdala in Antidepressant Effects on Hippocampal Cell Proliferation and Survival and on Depression-like Behavior in the Rat. <i>PLoS ONE</i> , 2010, 5, e8618.	1.1	55

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19	Inhibitory zinc-enriched terminals in mouse spinal cord. <i>Neuroscience</i> , 2001, 105, 941-947.	1.1	54
20	Divergent impact of the polysialyltransferases ST8Siall and ST8SialV on polysialic acid expression in immature neurons and interneurons of the adult cerebral cortex. <i>Neuroscience</i> , 2010, 167, 825-837.	1.1	50
21	PSA-NCAM expression in the human prefrontal cortex. <i>Journal of Chemical Neuroanatomy</i> , 2007, 33, 202-209.	1.0	47
22	GABAergic basal forebrain afferents innervate selectively GABAergic targets in the main olfactory bulb. <i>Neuroscience</i> , 2010, 170, 913-922.	1.1	46
23	The Dendritic Spines of Interneurons Are Dynamic Structures Influenced by PSA-NCAM Expression. <i>Cerebral Cortex</i> , 2014, 24, 3014-3024.	1.6	45
24	Distribution of D2 dopamine receptor in the olfactory glomeruli of the rat olfactory bulb. <i>European Journal of Neuroscience</i> , 2005, 22, 1357-1367.	1.2	41
25	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
26	Cells expressing markers of immature neurons in the amygdala of adult humans. <i>European Journal of Neuroscience</i> , 2013, 37, 10-22.	1.2	40
27	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
28	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
29	Altered Distribution of Hippocampal Interneurons in the Murine Down Syndrome Model Ts65Dn. <i>Neurochemical Research</i> , 2015, 40, 151-164.	1.6	34
30	Alterations of perineuronal nets in the dorsolateral prefrontal cortex of neuropsychiatric patients. <i>International Journal of Bipolar Disorders</i> , 2019, 7, 24.	0.8	33
31	PSA-NCAM is Expressed in Immature, but not Recently Generated, Neurons in the Adult Cat Cerebral Cortex Layer II. <i>Frontiers in Neuroscience</i> , 2011, 5, 17.	1.4	31
32	Differential evolution of PSA-NCAM expression during aging of the rat telencephalon. <i>Neurobiology of Aging</i> , 2009, 30, 808-818.	1.5	30
33	Imaging synaptic zinc release in living nervous tissue. <i>Journal of Neuroscience Methods</i> , 2001, 110, 57-63.	1.3	29
34	Cytochemical techniques for zinc and heavy metals localization in nerve cells. <i>Microscopy Research and Technique</i> , 2002, 56, 318-331.	1.2	26
35	Cranial Pair I: The Olfactory Nerve. <i>Anatomical Record</i> , 2019, 302, 405-427.	0.8	24
36	Characterization of a mouse model overexpressing beta-site APP-cleaving enzyme 2 reveals a new role for BACE2. <i>Genes, Brain and Behavior</i> , 2010, 9, 160-172.	1.1	23

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37	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
38	Synaptic connectivity of serotonergic axons in the olfactory glomeruli of the rat olfactory bulb. <i>Neuroscience</i> , 2010, 169, 770-780.	1.1	21
39	Altered expression of neuropeptides in the primary somatosensory cortex of the Down syndrome model Ts65Dn. <i>Neuropeptides</i> , 2012, 46, 29-37.	0.9	21
40	The Circuits of the Olfactory Bulb. The Exception as a Rule. <i>Anatomical Record</i> , 2013, 296, 1401-1412.	0.8	21
41	Capture of extracellular zinc ions by astrocytes. <i>Glia</i> , 2006, 54, 304-315.	2.5	15
42	Migrating neuroblasts of the rostral migratory stream are putative targets for the action of nitric oxide. <i>European Journal of Neuroscience</i> , 2007, 26, 392-402.	1.2	15
43	Characterization of a population of tyrosine hydroxylase-containing interneurons in the external plexiform layer of the rat olfactory bulb. <i>Neuroscience</i> , 2012, 217, 140-153.	1.1	13
44	Astrocytes of the murine model for Down Syndrome Ts65Dn display reduced intracellular ionic zinc. <i>Neurochemistry International</i> , 2014, 75, 48-53.	1.9	12
45	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
46	CRMP-4 expression in the adult cerebral cortex and other telencephalic areas of the lizard <i>Podarcis hispanica</i> . <i>Developmental Brain Research</i> , 2002, 139, 285-294.	2.1	9
47	Phenotype and Distribution of Immature Neurons in the Human Cerebral Cortex Layer II. <i>Frontiers in Neuroanatomy</i> , 2022, 16, 851432.	0.9	9
48	Two types of periglomerular cells in the olfactory bulb of the macaque monkey (<i>Macaca fascicularis</i>). <i>Brain Structure and Function</i> , 2013, 218, 873-887.	1.2	8
49	Hypocellularity in the Murine Model for Down Syndrome Ts65Dn Is Not Affected by Adult Neurogenesis. <i>Frontiers in Neuroscience</i> , 2016, 10, 75.	1.4	7
50	Early increased density of cyclooxygenase-2 (COX-2) immunoreactive neurons in Down syndrome. <i>Folia Neuropathologica</i> , 2017, 2, 154-160.	0.5	7
51	Semilunar Granule Cells Are the Primary Source of the Perisomatic Excitatory Innervation onto Parvalbumin-Expressing Interneurons in the Dentate Gyrus. <i>ENEuro</i> , 2020, 7, ENEURO.0323-19.2020.	0.9	7
52	Piriform cortex alterations in the Ts65Dn model for down syndrome. <i>Brain Research</i> , 2020, 1747, 147031.	1.1	6
53	Is the postganglionic sympathetic neuron zinc-enriched? A stop-flow nerve crush study on rat sciatic nerve. <i>NeuroReport</i> , 2001, 12, 2247-2250.	0.6	5
54	Distribution of the A3 subunit of the cyclic nucleotide-gated ion channels in the main olfactory bulb of the rat. <i>Neuroscience</i> , 2008, 153, 1164-1176.	1.1	5

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55	Synaptic connectivity of the cholinergic axons in the olfactory bulb of the cynomolgus monkey. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 28.	0.9	5
56	Alterations in reelin and reelin receptors in Down syndrome. <i>NeuroReport</i> , 2019, 30, 14-18.	0.6	2
57	Morphological alterations in the hippocampus of the Ts65Dn mouse model for Down Syndrome correlate with structural plasticity markers. <i>Histology and Histopathology</i> , 2018, 33, 101-115.	0.5	2
58	Phenotypic characterization of MCP-1 expressing neurons in the rat cerebral cortex. <i>Journal of Chemical Neuroanatomy</i> , 2020, 106, 101785.	1.0	1
59	Cholinergic Senescence in the Ts65Dn Mouse Model for Down Syndrome. <i>Neurochemical Research</i> , 0, , .	1.6	1