

Emilio Varea

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

1,924
citations

27
h-index

43
g-index

59
ext. papers

2,151
ext. citations

4.2
avg, IF

4.18
L-index

#	Paper	IF	Citations
58	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
57	Chronic fluoxetine treatment increases the expression of PSA-NCAM in the medial prefrontal cortex. <i>Neuropsychopharmacology</i> , 2007 , 32, 803-12	8.7	82
56	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, 4552-61	6.6	79
55	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	3.3	77
54	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
53	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
52	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, 533-47	15.1	72
51	Role of late maternal thyroid hormones in cerebral cortex development: an experimental model for human prematurity. <i>Cerebral Cortex</i> , 2010 , 20, 1462-75	5.1	70
50	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, 1836-48	3.5	70
49	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
48	N-methyl-d-aspartate receptor expression during adult neurogenesis in the rat dentate gyrus. <i>Neuroscience</i> , 2007 , 144, 855-64	3.9	67
47	PSA-NCAM expression in the rat medial prefrontal cortex. <i>Neuroscience</i> , 2005 , 136, 435-43	3.9	66
46	Alteration of inhibitory circuits in the somatosensory cortex of Ts65Dn mice, a model for Down's syndrome. <i>Journal of Neural Transmission</i> , 2010 , 117, 445-55	4.3	59
45	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, 1209-23	5	56
44	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
43	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, 41-9	2.4	53
42	Inhibitory zinc-enriched terminals in mouse spinal cord. <i>Neuroscience</i> , 2001 , 105, 941-7	3.9	50

41	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	3.7	50
40	PSA-NCAM expression in the human prefrontal cortex. <i>Journal of Chemical Neuroanatomy</i> , 2007 , 33, 202-9	3.2	46
39	Divergent impact of the polysialyltransferases ST8SialI and ST8SialIV on polysialic acid expression in immature neurons and interneurons of the adult cerebral cortex. <i>Neuroscience</i> , 2010 , 167, 825-37	3.9	45
38	The dendritic spines of interneurons are dynamic structures influenced by PSA-NCAM expression. <i>Cerebral Cortex</i> , 2014 , 24, 3014-24	5.1	41
37	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
36	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
35	GABAergic basal forebrain afferents innervate selectively GABAergic targets in the main olfactory bulb. <i>Neuroscience</i> , 2010 , 170, 913-22	3.9	35
34	Distribution of D2 dopamine receptor in the olfactory glomeruli of the rat olfactory bulb. <i>European Journal of Neuroscience</i> , 2005 , 22, 1357-67	3.5	35
33	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
32	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	5.1	29
31	Altered distribution of hippocampal interneurons in the murine Down Syndrome model Ts65Dn. <i>Neurochemical Research</i> , 2015 , 40, 151-64	4.6	27
30	Differential evolution of PSA-NCAM expression during aging of the rat telencephalon. <i>Neurobiology of Aging</i> , 2009 , 30, 808-18	5.6	27
29	Cells expressing markers of immature neurons in the amygdala of adult humans. <i>European Journal of Neuroscience</i> , 2013 , 37, 10-22	3.5	26
28	Imaging synaptic zinc release in living nervous tissue. <i>Journal of Neuroscience Methods</i> , 2001 , 110, 57-63	3	26
27	Cytochemical techniques for zinc and heavy metals localization in nerve cells. <i>Microscopy Research and Technique</i> , 2002 , 56, 318-31	2.8	25
26	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	13.9	24
25	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, 160-72	3.6	19
24	Synaptic connectivity of serotonergic axons in the olfactory glomeruli of the rat olfactory bulb. <i>Neuroscience</i> , 2010 , 169, 770-80	3.9	19

23	Alterations of perineuronal nets in the dorsolateral prefrontal cortex of neuropsychiatric patients. <i>International Journal of Bipolar Disorders</i> , 2019 , 7, 24	5.4	18
22	Altered expression of neuropeptides in the primary somatosensory cortex of the Down syndrome model Ts65Dn. <i>Neuropeptides</i> , 2012 , 46, 29-37	3.3	15
21	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
20	Cranial Pair I: The Olfactory Nerve. <i>Anatomical Record</i> , 2019 , 302, 405-427	2.1	15
19	The circuits of the olfactory bulb. The exception as a rule. <i>Anatomical Record</i> , 2013 , 296, 1401-12	2.1	14
18	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	3.5	14
17	Capture of extracellular zinc ions by astrocytes. <i>Glia</i> , 2006 , 54, 304-15	9	14
16	Characterization of a population of tyrosine hydroxylase-containing interneurons in the external plexiform layer of the rat olfactory bulb. <i>Neuroscience</i> , 2012 , 217, 140-53	3.9	12
15	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
14	Astrocytes of the murine model for Down Syndrome Ts65Dn display reduced intracellular ionic zinc. <i>Neurochemistry International</i> , 2014 , 75, 48-53	4.4	8
13	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, 285-94		8
12	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, 873-87	4	7
11	Early increased density of cyclooxygenase-2 (COX-2) immunoreactive neurons in Down syndrome. <i>Folia Neuropathologica</i> , 2017 , 55, 154-160	2.6	5
10	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, 1164-76	3.9	5
9	Is the postganglionic sympathetic neuron zinc-enriched? A stop-flow nerve crush study on rat sciatic nerve. <i>NeuroReport</i> , 2001 , 12, 2247-50	1.7	5
8	Synaptic connectivity of the cholinergic axons in the olfactory bulb of the cynomolgus monkey. <i>Frontiers in Neuroanatomy</i> , 2015 , 9, 28	3.6	4
7	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,	3.9	2
6	Piriform cortex alterations in the Ts65Dn model for down syndrome. <i>Brain Research</i> , 2020 , 1747, 1470313.7		2

5	Hypocellularity in the Murine Model for Down Syndrome Ts65Dn Is Not Affected by Adult Neurogenesis. <i>Frontiers in Neuroscience</i> , 2016 , 10, 75	5.1	1
4	Phenotype and Distribution of Immature Neurons in the Human Cerebral Cortex Layer II.. <i>Frontiers in Neuroanatomy</i> , 2022 , 16, 851432	3.6	1
3	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	1.4	1
2	Phenotypic characterization of MCP-1 expressing neurons in the rat cerebral cortex. <i>Journal of Chemical Neuroanatomy</i> , 2020 , 106, 101785	3.2	0
1	Alterations in reelin and reelin receptors in Down syndrome. <i>NeuroReport</i> , 2019 , 30, 14-18	1.7	0