

# Emilio Varea

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3351456/publications.pdf>

Version: 2024-02-01

59  
papers

2,317  
citations

159585

30  
h-index

223800

46  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2954  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenotype and Distribution of Immature Neurons in the Human Cerebral Cortex Layer II. <i>Frontiers in Neuroanatomy</i> , 2022, 16, 851432.	1.7	9
2	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.	8.1	82
3	Piriform cortex alterations in the Ts65Dn model for down syndrome. <i>Brain Research</i> , 2020, 1747, 147031.	2.2	6
4	Phenotypic characterization of MCP-1 expressing neurons in the rat cerebral cortex. <i>Journal of Chemical Neuroanatomy</i> , 2020, 106, 101785.	2.1	1
5	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.	1.9	7
6	Alterations in reelin and reelin receptors in Down syndrome. <i>NeuroReport</i> , 2019, 30, 14-18.	1.2	2
7	Cranial Pair I: The Olfactory Nerve. <i>Anatomical Record</i> , 2019, 302, 405-427.	1.4	24
8	Alterations of perineuronal nets in the dorsolateral prefrontal cortex of neuropsychiatric patients. <i>International Journal of Bipolar Disorders</i> , 2019, 7, 24.	2.2	33
9	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.	0.7	2
10	NMDA Receptors Regulate the Structural Plasticity of Spines and Axonal Boutons in Hippocampal Interneurons. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 166.	3.7	23
11	Early increased density of cyclooxygenase-2 (COX-2) immunoreactive neurons in Down syndrome. <i>Folia Neuropathologica</i> , 2017, 2, 154-160.	1.2	7
12	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.	2.2	10
13	Hypocellularity in the Murine Model for Down Syndrome Ts65Dn Is Not Affected by Adult Neurogenesis. <i>Frontiers in Neuroscience</i> , 2016, 10, 75.	2.8	7
14	Synaptic connectivity of the cholinergic axons in the olfactory bulb of the cynomolgus monkey. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 28.	1.7	5
15	Altered Distribution of Hippocampal Interneurons in the Murine Down Syndrome Model Ts65Dn. <i>Neurochemical Research</i> , 2015, 40, 151-164.	3.3	34
16	The Dendritic Spines of Interneurons Are Dynamic Structures Influenced by PSA-NCAM Expression. <i>Cerebral Cortex</i> , 2014, 24, 3014-3024.	2.9	45
17	Astrocytes of the murine model for Down Syndrome Ts65Dn display reduced intracellular ionic zinc. <i>Neurochemistry International</i> , 2014, 75, 48-53.	3.8	12
18	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.	2.3	8

#	ARTICLE	IF	CITATIONS
19	Cells expressing markers of immature neurons in the amygdala of adult humans. <i>European Journal of Neuroscience</i> , 2013, 37, 10-22.	2.6	40
20	The Circuits of the Olfactory Bulb. The Exception as a Rule. <i>Anatomical Record</i> , 2013, 296, 1401-1412.	1.4	21
21	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.	2.1	89
22	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.	2.3	13
23	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.	2.7	73
24	Expression of PSA-NCAM and synaptic proteins in the amygdala of psychiatric disorder patients. <i>Journal of Psychiatric Research</i> , 2012, 46, 189-197.	3.1	91
25	Altered expression of neuropeptides in the primary somatosensory cortex of the Down syndrome model Ts65Dn. <i>Neuropeptides</i> , 2012, 46, 29-37.	2.2	21
26	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.	2.8	31
27	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.	2.5	38
28	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.	7.9	81
29	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.	2.9	85
30	Alteration of inhibitory circuits in the somatosensory cortex of Ts65Dn mice, a model for Downâ€™s syndrome. <i>Journal of Neural Transmission</i> , 2010, 117, 445-455.	2.8	73
31	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.	2.2	23
32	Role of Late Maternal Thyroid Hormones in Cerebral Cortex Development: An Experimental Model for Human Prematurity. <i>Cerebral Cortex</i> , 2010, 20, 1462-1475.	2.9	90
33	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, 825-837.	2.3	50
34	Synaptic connectivity of serotonergic axons in the olfactory glomeruli of the rat olfactory bulb. <i>Neuroscience</i> , 2010, 169, 770-780.	2.3	21
35	GABAergic basal forebrain afferents innervate selectively GABAergic targets in the main olfactory bulb. <i>Neuroscience</i> , 2010, 170, 913-922.	2.3	46
36	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.	2.5	55

#	ARTICLE	IF	CITATIONS
37	Differential evolution of PSA-NCAM expression during aging of the rat telencephalon. <i>Neurobiology of Aging</i> , 2009, 30, 808-818.	3.1	30
38	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.	2.1	39
39	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.	2.6	77
40	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.	2.3	5
41	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.	4.1	40
42	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.	2.9	105
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, 41-49.	1.7	63
44	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.	3.6	90
45	Chronic Fluoxetine Treatment Increases the Expression of PSA-NCAM in the Medial Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2007, 32, 803-812.	5.4	90
46	N-methyl-d-aspartate receptor expression during adult neurogenesis in the rat dentate gyrus. <i>Neuroscience</i> , 2007, 144, 855-864.	2.3	71
47	PSA-NCAM expression in the human prefrontal cortex. <i>Journal of Chemical Neuroanatomy</i> , 2007, 33, 202-209.	2.1	47
48	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.	0.7	57
49	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.	2.6	15
50	Capture of extracellular zinc ions by astrocytes. <i>Glia</i> , 2006, 54, 304-315.	4.9	15
51	Distribution of D2 dopamine receptor in the olfactory glomeruli of the rat olfactory bulb. <i>European Journal of Neuroscience</i> , 2005, 22, 1357-1367.	2.6	41
52	Expression of the transcription factor Pax6 in the adult rat dentate gyrus. <i>Journal of Neuroscience Research</i> , 2005, 81, 753-761.	2.9	79
53	PSA-NCAM expression in the rat medial prefrontal cortex. <i>Neuroscience</i> , 2005, 136, 435-443.	2.3	71
54	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.	1.7	9

#	ARTICLE	IF	CITATIONS
55	Cytochemical techniques for zinc and heavy metals localization in nerve cells. <i>Microscopy Research and Technique</i> , 2002, 56, 318-331.	2.2	26
56	Inhibitory zinc-enriched terminals in mouse spinal cord. <i>Neuroscience</i> , 2001, 105, 941-947.	2.3	54
57	Is the postganglionic sympathetic neuron zinc-enriched? A stop-flow nerve crush study on rat sciatic nerve. <i>NeuroReport</i> , 2001, 12, 2247-2250.	1.2	5
58	Imaging synaptic zinc release in living nervous tissue. <i>Journal of Neuroscience Methods</i> , 2001, 110, 57-63.	2.5	29
59	Cholinergic Senescence in the Ts65Dn Mouse Model for Down Syndrome. <i>Neurochemical Research</i> , 0, , .	3.3	1