VerÃ³nica MartÃ-nez-CerdeÃ±o

List of Publications by Year
in descending order

87 papers	7,125 citations	136950 32 h-index	60623 81 g-index
91 all docs	91 docs citations	91 times ranked	8304 citing authors

#	Article	IF	Citations
1	Cortical neurons arise in symmetric and asymmetric division zones and migrate through specific phases. Nature Neuroscience, 2004, 7, 136-144.	14.8	1,938
2	Microglia Regulate the Number of Neural Precursor Cells in the Developing Cerebral Cortex. Journal of Neuroscience, 2013, 33, 4216-4233.	3.6	762
3	Patterns of neural stem and progenitor cell division may underlie evolutionary cortical expansion. Nature Reviews Neuroscience, 2006, 7, 883-890.	10.2	644
4	Distinct behaviors of neural stem and progenitor cells underlie cortical neurogenesis. Journal of Comparative Neurology, 2008, 508, 28-44.	1.6	344
5	The Number of Parvalbumin-Expressing Interneurons Is Decreased in the Medial Prefrontal Cortex in Autism. Cerebral Cortex, 2017, 27, bhw021.	2.9	259
6	The Role of Intermediate Progenitor Cells in the Evolutionary Expansion of the Cerebral Cortex. Cerebral Cortex, 2006, 16, i152-i161.	2.9	225
7	Translation of Expanded CGG Repeats into FMRpolyG Is Pathogenic and May Contribute to Fragile X Tremor Ataxia Syndrome. Neuron, 2017, 93, 331-347.	8.1	194
8	Dendrite and spine modifications in autism and related neurodevelopmental disorders in patients and animal models. Developmental Neurobiology, 2017, 77, 393-404.	3.0	193
9	Comparative Analysis of the Subventricular Zone in Rat, Ferret and Macaque: Evidence for an Outer Subventricular Zone in Rodents. PLoS ONE, 2012, 7, e30178.	2.5	176
10	Widespread RNA editing dysregulation in brains from autistic individuals. Nature Neuroscience, 2019, 22, 25-36.	14.8	161
11	Neural Progenitor Cell Terminology. Frontiers in Neuroanatomy, 2018, 12, 104.	1.7	119
12	Extracellular matrix molecules and synaptic plasticity: immunomapping of intracellular and secreted Reelin in the adult rat brain. European Journal of Neuroscience, 2006, 23, 401-422.	2.6	117
13	Contribution of Intermediate Progenitor Cells to Cortical Histogenesis. Archives of Neurology, 2007, 64, 639.	4.5	98
14	Embryonic MGE Precursor Cells Grafted into Adult Rat Striatum Integrate and Ameliorate Motor Symptoms in 6-OHDA-Lesioned Rats. Cell Stem Cell, 2010, 6, 238-250.	11.1	98
15	Estradiol stimulates progenitor cell division in the ventricular and subventricular zones of the embryonic neocortex. European Journal of Neuroscience, 2006, 24, 3475-3488.	2.6	93
16	Fragile X syndrome and associated disorders: Clinical aspects and pathology. Neurobiology of Disease, 2020, 136, 104740.	4.4	80
17	The valproic acid rat model of autism presents with gut bacterial dysbiosis similar to that in human autism. Molecular Autism, 2018, 9, 61.	4.9	74
18	Premutation CGG-repeat expansion of the Fmr1 gene impairs mouse neocortical development. Human Molecular Genetics, 2011, 20, 64-79.	2.9	67

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19	The Number of Chandelier and Basket Cells Are Differentially Decreased in Prefrontal Cortex in Autism. Cerebral Cortex, 2018, 28, 411-420.	2.9	59
20	Reelin Immunoreactivity in the Adult Primate Brain: Intracellular Localization in Projecting and Local Circuit Neurons of the Cerebral Cortex, Hippocampus and Subcortical Regions. Cerebral Cortex, 2002, 12, 1298-1311.	2.9	58
21	N-Myc and GCN5 Regulate Significantly Overlapping Transcriptional Programs in Neural Stem Cells. PLoS ONE, 2012, 7, e39456.	2.5	55
22	Prenatal Exposure to Autism-Specific Maternal Autoantibodies Alters Proliferation of Cortical Neural Precursor Cells, Enlarges Brain, and Increases Neuronal Size in Adult Animals. Cerebral Cortex, 2016, 26, 374-383.	2.9	51
23	Augmented noncanonical BMP type II receptor signaling mediates the synaptic abnormality of fragile X syndrome. Science Signaling, 2016, 9, ra58.	3.6	49
24	Composition of the Intranuclear Inclusions of Fragile X-associated Tremor/Ataxia Syndrome. Acta Neuropathologica Communications, 2019, 7, 143.	5.2	48
25	Further characterization of autoantibodies to GABAergic neurons in the central nervous system produced by a subset of children with autism. Molecular Autism, 2011, 2, 5.	4.9	46
26	c- and N-myc Regulate Neural Precursor Cell Fate, Cell Cycle, and Metabolism to Direct Cerebellar Development. Cerebellum, 2010, 9, 537-547.	2.5	44
27	Evolutionary origin of Tbr2â€expressing precursor cells and the subventricular zone in the developing cortex. Journal of Comparative Neurology, 2016, 524, 433-447.	1.6	44
28	Embryonic intraventricular exposure to autism-specific maternal autoantibodies produces alterations in autistic-like stereotypical behaviors in offspring mice. Behavioural Brain Research, 2014, 266, 46-51.	2.2	42
29	Deficit of corpus callosum axons, reduced axon diameter and decreased area are markers of abnormal development of interhemispheric connections in autistic subjects. Acta Neuropathologica Communications, 2018, 6, 143.	5.2	42
30	Dysregulated iron metabolism in the choroid plexus in fragile X-associated tremor/ataxia syndrome. Brain Research, 2015, 1598, 88-96.	2.2	41
31	Endogenous Proliferation after Spinal Cord Injury in Animal Models. Stem Cells International, 2012, 2012, 1-16.	2.5	38
32	A Majority of FXTAS Cases Present with Intranuclear Inclusions Within Purkinje Cells. Cerebellum, 2016, 15, 546-551.	2.5	36
33	Cell-type-specific profiling of human cellular models of fragile X syndrome reveal PI3K-dependent defects in translation and neurogenesis. Cell Reports, 2021, 35, 108991.	6.4	36
34	Cajal, Retzius, and CajalÃ¢â‚¬â€œRetzius cells. Frontiers in Neuroanatomy, 2014, 8, 48.	1.7	35
35	Cortical interlaminar astrocytes across the therian mammal radiation. Journal of Comparative Neurology, 2019, 527, 1654-1674.	1.6	35
36	Reelin-immunoreactive neurons, axons, and neuropil in the adult ferret brain: Evidence for axonal secretion of reelin in long axonal pathways. Journal of Comparative Neurology, 2003, 463, 92-116.	1.6	34

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37	Reelin immunoreactivity in the adult neocortex: a comparative study in rodents, carnivores, and non-human primates. Brain Research Bulletin, 2002, 57, 485-488.	3.0	33
38	Iron accumulation and dysregulation in the putamen in fragile Xâ€associated tremor/ataxia syndrome. Movement Disorders, 2017, 32, 585-591.	3.9	32
39	Microglia: An Intrinsic Component of the Proliferative Zones in the Fetal Rhesus Monkey (Macaca) Tj ETQq1 1 0.784314 rgBT /Overlock	2.9	29
40	Cortical Interlaminar Astrocytes Are Generated Prenatally, Mature Postnatally, and Express Unique Markers in Human and Nonhuman Primates. Cerebral Cortex, 2021, 31, 379-395.	2.9	29
41	Neuronal and glial cell number is altered in a cortical layer-specific manner in autism. Autism, 2021, 25, 2238-2253.	4.1	29
42	Fragile Xâ€“Associated Tremor/Ataxia Syndrome in a Man in His 30s. JAMA Neurology, 2015, 72, 1070.	9.0	26
43	Radial glia in the proliferative ventricular zone of the embryonic and adult turtle,Trachemys scripta elegans. Neurogenesis (Austin, Tex), 2014, 1, e970905.	1.5	25
44	Calibrated Forceps Model of Spinal Cord Compression Injury. Journal of Visualized Experiments, 2015, , .	0.3	25
45	PARP1-mediated PARylation activity is essential for oligodendroglial differentiation and CNS myelination. Cell Reports, 2021, 37, 109695.	6.4	23
46	Redefining varicose projection astrocytes in primates. Glia, 2022, 70, 145-154.	4.9	22
47	Diversity of Neural Precursor Cell Types in the Prenatal Macaque Cerebral Cortex Exists Largely within the Astroglial Cell Lineage. PLoS ONE, 2013, 8, e63848.	2.5	21
48	Advances in the Understanding of the Gabaergic Neurobiology of FMR1 Expanded Alleles Leading to Targeted Treatments for Fragile X Spectrum Disorder. Current Pharmaceutical Design, 2015, 21, 4972-4979.	1.9	20
49	Microglial cell activation and senescence are characteristic of the pathology FXTAS. Movement Disorders, 2018, 33, 1887-1894.	3.9	19
50	Periventricular microglial cells interact with dividing precursor cells in the nonhuman primate and rodent prenatal cerebral cortex. Journal of Comparative Neurology, 2019, 527, 1598-1609.	1.6	19
51	RELN-expressing neuron density in layer I of the superior temporal lobe is similar in human brains with autism and in age-matched controls. Neuroscience Letters, 2014, 579, 163-167.	2.1	18
52	Cerebellar Mild Iron Accumulation in a Subset of FMR1 Premutation Carriers with FXTAS. Cerebellum, 2016, 15, 641-644.	2.5	18
53	Cerebral Microbleeds in Fragile Xâ€“Associated Tremor/Ataxia Syndrome. Movement Disorders, 2021, 36, 1935-1943.	3.9	17
54	Progenitors from the postnatal forebrain subventricular zone differentiate into cerebellar-like interneurons and cerebellar-specific astrocytes upon transplantation. Molecular and Cellular Neurosciences, 2008, 39, 324-334.	2.2	16

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55	Upregulation of cystathione Î²â€synthase and p70S6K/S6 in neonatal hypoxic ischemic brain injury. Brain Pathology, 2017, 27, 449-458.	4.1	16
56	Maternal autoimmune antibodies alter the dendritic arbor and spine numbers in the infragranular layers of the cortex. PLoS ONE, 2017, 12, e0183443.	2.5	16
57	Preliminary findings suggest the number and volume of supragranular and infragranular pyramidal neurons are similar in the anterior superior temporal area of control subjects and subjects with autism. Neuroscience Letters, 2015, 589, 98-103.	2.1	14
58	Clinical and Neuropathological Features Associated With Loss of RAB39B. Movement Disorders, 2020, 35, 687-693.	3.9	14
59	Presence of Middle Cerebellar Peduncle Sign in FMR1 Premutation Carriers Without Tremor and Ataxia. Frontiers in Neurology, 2018, 9, 695.	2.4	13
60	Parkinsonism Versus Concomitant Parkinson's Disease in Fragile Xâ€“Associated Tremor/Ataxia Syndrome. Movement Disorders Clinical Practice, 2020, 7, 413-418.	1.5	13
61	GABAARÎ±2 is Decreased in the Axon Initial Segment of Pyramidal Cells in Specific Areas of the Prefrontal Cortex in Autism. Neuroscience, 2020, 437, 76-86.	2.3	12
62	Chandelier Cartridge Density Is Reduced in the Prefrontal Cortex in Autism. Cerebral Cortex, 2021, 31, 2944-2951.	2.9	12
63	Human Cerebral Cortex Proteome of Fragile X-Associated Tremor/Ataxia Syndrome. Frontiers in Molecular Biosciences, 2020, 7, 600840.	3.5	11
64	Development of the Neuro-Immune-Vascular Plexus in the Ventricular Zone of the Prenatal Rat Neocortex. Cerebral Cortex, 2021, 31, 2139-2155.	2.9	11
65	Decreased number and increased activation state of astrocytes in gray and white matter of the prefrontal cortex in autism. Cerebral Cortex, 2022, 32, 4902-4912.	2.9	11
66	The Bat as a New Model of Cortical Development. Cerebral Cortex, 2018, 28, 3880-3893.	2.9	10
67	FXTAS presents with upregulation of the cytokines IL12 and TNFÎ±. Parkinsonism and Related Disorders, 2021, 82, 117-120.	2.2	9
68	Abnormal white matter tracts resembling pencil fibers involving prefrontal cortex (Brodmann area) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	8
69	Update on forebrain evolution: From neurogenesis to thermogenesis. Seminars in Cell and Developmental Biology, 2018, 76, 15-22.	5.0	8
70	Contribution of Altered Endocannabinoid System to Overactive mTORC1 Signaling in Focal Cortical Dysplasia. Frontiers in Pharmacology, 2018, 9, 1508.	3.5	8
71	Case Report: Coexistence of Alzheimer-Type Neuropathology in Fragile X-Associated Tremor Ataxia Syndrome. Frontiers in Neuroscience, 2021, 15, 720253.	2.8	8
72	<scp>FMR</scp>1 premutation with Praderâ€“Willi phenotype and fragile Xâ€associated tremor/ataxia syndrome. Clinical Case Reports (discontinued), 2017, 5, 625-629.	0.5	7

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73	Rapidly Progressing Neurocognitive Disorder in a Male with FXTAS and Alzheimerâ€™s Disease . Clinical Interventions in Aging, 2020, Volume 15, 285-292.	2.9	7
74	Behavior of Xeno-Transplanted Undifferentiated Human Induced Pluripotent Stem Cells Is Impacted by Microenvironment Without Evidence of Tumors. Stem Cells and Development, 2017, 26, 1409-1423.	2.1	6
75	<scp>T</scp>wo <scp>FMR</scp>1 premutation cases without nuclear inclusions. Movement Disorders, 2017, 32, 1328-1329.	3.9	5
76	Exposure to DMSO during infancy alters neurochemistry, social interactions, and brain morphology in longâ€evans rats. Brain and Behavior, 2021, 11, e02146.	2.2	5
77	Concomitant occurrence of FXTAS and clinically defined sporadic inclusion body myositis: report of two cases. Croatian Medical Journal, 2017, 58, 310-315.	0.7	4
78	The role of reduced expression of fragile X mental retardation protein in neurons and increased expression in astrocytes in idiopathic and syndromic autism (duplications 15q11.2â€q13). Autism Research, 2018, 11, 1316-1331.	3.8	3
79	HispanoâEAmerican Brain Bank on Neurodevelopmental Disorders: An initiative to promote brain banking, research, education, and outreach in the field of neurodevelopmental disorders. Brain Pathology, 2022, 32, e13019.	4.1	3
80	Layer-Specific Changes in the Prefrontal Glia/Neuron Ratio Characterizes Patches of GeneÂExpression Disorganization in Children with Autism. Journal of Autism and Developmental Disorders, 2023, 53, 3648-3658.	2.7	3
81	Spatial control of astrogenesis progression by cortical arealization genes. Cerebral Cortex, 0, , .	2.9	3
82	Evolutionary origin of Tbr2â€expressing precursor cells and the subventricular zone in the developing cortex. Journal of Comparative Neurology, 2016, 524, Spc1.	1.6	2
83	Greater Number of Microglia in Telencephalic Proliferative Zones of Human and Nonhuman Primate Compared with Other Vertebrate Species. Cerebral Cortex Communications, 2021, 2, tgab053.	1.6	2
84	Editorial: Transcription Regulationâ€”Brain Development and Homeostasisâ€”A Finely Tuned and Orchestrated Scenario in Physiology and Pathology. Frontiers in Molecular Neuroscience, 2021, 14, 834607.	2.9	2
85	Cortical evolution 2018: Advantages of animal model species. Journal of Comparative Neurology, 2019, 527, 1766-1768.	1.6	1
86	Cover Image, Volume 527, Issue 10. Journal of Comparative Neurology, 2019, 527, C1-C1.	1.6	0
87	The fundamental building blocks of cortical development are established in human exencephaly. Pediatric Research, 2020, 87, 868-871.	2.3	0