Carolina Cf Frassoni

List of Publications by Year
in descending order

86 papers	3,896 citations	126907 33 h-index	133252 59 g-index
86 all docs	86 docs citations	86 times ranked	4443 citing authors

#	Article	IF	Citations
1	GABAergic Neurons in Mammalian Thalamus: A Marker of Thalamic Complexity?. Brain Research Bulletin, 1997, 42, 27-37.	3.0	251
2	GABAergic neurons are present in the dorsal column nuclei but not in the ventroposterior complex of rats. Brain Research, 1986, 382, 305-326.	2.2	217
3	SNAP-25 Modulation of Calcium Dynamics Underlies Differences in GABAergic and Glutamatergic Responsiveness to Depolarization. Neuron, 2004, 41, 599-610.	8.1	192
4	In situ labeling of apoptotic cell death in the cerebral cortex and thalamus of rats during development. Journal of Comparative Neurology, 1995, 363, 281-295.	1.6	155
5	The reticular thalamic nucleus (RTN) of the rat: Cytoarchitectural, Golgi, immunocytochemical, and horseradish peroxidase study. Journal of Comparative Neurology, 1991, 304, 478-490.	1.6	134
6	GABA immunoreactivity in the thalamic reticular nucleus of the rat. A light and electron microscopical study. Brain Research, 1986, 399, 143-147.	2.2	130
7	Increased Ethanol Resistance and Consumption in Eps8 Knockout Mice Correlates with Altered Actin Dynamics. Cell, 2006, 127, 213-226.	28.9	120
8	Chronic Blockade of Glutamate Receptors Enhances Presynaptic Release and Downregulates the Interaction between Synaptophysin-Synaptobrevinâ€“Vesicle-Associated Membrane Protein 2. Journal of Neuroscience, 2001, 21, 6588-6596.	3.6	110
9	Action Potential Initiation in Neocortical Inhibitory Interneurons. PLoS Biology, 2014, 12, e1001944.	5.6	109
10	Electrophysiological characteristics of morphologically identified reticular thalamic neurons from rat slices. Neuroscience, 1988, 27, 629-638.	2.3	105
11	Prenatal Methylazoxymethanol Treatment in Rats Produces Brain Abnormalities with Morphological Similarities to Human Developmental Brain Dysgeneses. Journal of Neuropathology and Experimental Neurology, 1999, 58, 92-106.	1.7	104
12	Entering neurons: botulinum toxins and synaptic vesicle recycling. EMBO Reports, 2006, 7, 995-999.	4.5	87
13	Postnatal development of calbindin and parvalbumin immunoreactivity in the thalamus of the rat. Developmental Brain Research, 1991, 58, 243-249.	1.7	80
14	Distribution of calbindin and parvalbumin in the developing somatosensory cortex and its primordium in the rat: an immunocytochemical study. Journal of Neurocytology, 1992, 21, 717-736.	1.5	80
15	TIâ€VAMP/VAMP7 is the SNARE of secretory lysosomes contributing to ATP secretion from astrocytes. Biology of the Cell, 2012, 104, 213-228.	2.0	79
16	Epileptiform Activity and Cognitive Deficits in SNAP-25+/âˆ' Mice are Normalized by Antiepileptic Drugs. Cerebral Cortex, 2014, 24, 364-376.	2.9	78
17	7<scp>T MRI</scp> features in control human hippocampus and hippocampal sclerosis: An ex vivo study with histologic correlations. Epilepsia, 2014, 55, 2003-2016.	5.1	76
18	Expression of Adhesion Factors Induced by Epileptiform Activity in the Endothelium of the Isolated Guinea Pig Brain In Vitro. Epilepsia, 2007, 48, 743-751.	5.1	69

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19	The Intrinsic Organization of the Ventroposterolateral Nucleus and Related Reticular Thalamic Nucleus of the Rat: A Double-Labeling Ultrastructural Investigation with Î³-Aminobutyric Acid Immunogold Staining and Lectin-Conjugated Horseradish Peroxidase. Somatosensory & Motor Research, 1988, 5, 187-203.	2.2	68
20	A Better Characterization of Spinal Cord Damage in Multiple Sclerosis: A Diffusional Kurtosis Imaging Study. American Journal of Neuroradiology, 2013, 34, 1846-1852.	2.4	64
21	Analysis of SNAP-25 immunoreactivity in hippocampal inhibitory neurons during development in culture and in situ. Neuroscience, 2005, 131, 813-823.	2.3	62
22	Distribution of AMPA selective glutamate receptors in the thalamus of adult rats and during postnatal development. A light and ultrastructural immunocytochemical study. Developmental Brain Research, 1994, 82, 231-244.	1.7	58
23	Members of the NF-Î°B family expressed in zones of active neurogenesis in the postnatal and adult mouse brain. Developmental Brain Research, 2005, 154, 81-89.	1.7	55
24	Eps8 controls dendritic spine density and synaptic plasticity through its actin-capping activity. EMBO Journal, 2013, 32, 1730-1744.	7.8	54
25	Aquaporin 4 expression in control and epileptic human cerebral cortex. Brain Research, 2011, 1367, 330-339.	2.2	51
26	A two-hit story: Seizures and genetic mutation interaction sets phenotype severity in SCN1A epilepsies. Neurobiology of Disease, 2019, 125, 31-44.	4.4	51
27	Glutamate, aspartate and co-localization with calbindin in the medial thalamus An immunohistochemical study in the rat. Experimental Brain Research, 1997, 115, 95-104.	1.5	50
28	Heterogeneous expression of SNAPâ€25 in rat and human brain. Journal of Comparative Neurology, 2008, 506, 373-386.	1.6	50
29	NR2F1 regulates regional progenitor dynamics in the mouse neocortex and cortical gyrification in BBSOAS patients. EMBO Journal, 2020, 39, e104163.	7.8	49
30	Expression of connexin 43 in the human epileptic and drug-resistant cerebral cortex. Neurology, 2011, 76, 895-902.	1.1	48
31	Development of layer I of the human cerebral cortex after midgestation: Architectonic findings, immunocytochemical identification of neurons and glia, and in situ labeling of apoptotic cells. Journal of Comparative Neurology, 1999, 410, 126-142.	1.6	45
32	A pathogenetic hypothesis of Unverrichtâ€“Lundborg disease onset and progression. Neurobiology of Disease, 2007, 25, 675-685.	4.4	45
33	Calretinin immunoreactivity in the developing thalamus of the rat: a marker of early generated thalamic cells. Neuroscience, 1998, 83, 1203-1214.	2.3	38
34	GABAergic interneurons in the somatosensory thalamus of the guinea-pig: A light and ultrastructural immunocytochemical investigation. Neuroscience, 1994, 59, 961-973.	2.3	37
35	Layer-specific genes reveal a rudimentary laminar pattern in human nodular heterotopia. Neurology, 2009, 73, 746-753.	1.1	34
36	The synaptic split of SNAP-25: Different roles in glutamatergic and GABAergic neurons?. Neuroscience, 2009, 158, 223-230.	2.3	33

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37	Distribution of GABAB receptor protein in somatosensory cortex and thalamus of adult rats and during postnatal development. Brain Research Bulletin, 2000, 52, 397-405.	3.0	31
38	Sequential antibodies to potassium channels and glutamic acid decarboxylase in neuromyotonia. Neurology, 2005, 64, 1290-1293.	1.1	30
39	Altered spatial distribution of PVâ€cortical cells and dysmorphic neurons in the somatosensory cortex of BCNUâ€treated rat model of cortical dysplasia. Epilepsia, 2008, 49, 872-887.	5.1	30
40	Cajal-Retzius cell density as marker of type of focal cortical dysplasia. NeuroReport, 2001, 12, 2767-2771.	1.2	29
41	Developmental expression of Kir4.1 in astrocytes and oligodendrocytes of rat somatosensory cortex and hippocampus. International Journal of Developmental Neuroscience, 2015, 47, 198-205.	1.6	29
42	Sox2 Acts in Thalamic Neurons to Control the Development of Retina-Thalamus-Cortex Connectivity. IScience, 2019, 15, 257-273.	4.1	29
43	A comparison of GAD- and GABA-immunoreactive neurons in the first somatosensory area (SI) of the rat cortex. Brain Research, 1988, 474, 192-196.	2.2	27
44	In vivo DTI tractography of the rat brain: an atlas of the main tracts in Paxinos space with histological comparison. Magnetic Resonance Imaging, 2015, 33, 296-303.	1.8	27
45	Postnatal development of GABA-immunoreactive terminals in the reticular and ventrobasal nuclei of the rat thalamus: A light and electron microscopic study. Neuroscience, 1997, 76, 503-515.	2.3	26
46	Expression of layer-specific markers in the adult neocortex of BCNU-Treated rat, a model of cortical dysplasia. Neuroscience, 2009, 159, 682-691.	2.3	26
47	Labeling of rat neurons by anti-GluR3 IgG from patients with Rasmussen encephalitis. Neurology, 2001, 57, 324-327.	1.1	25
48	Calcium-binding protein immunoreactivity in the piriform cortex of the guinea-pig: Selective staining of subsets of non-gabaergic neurons by calretinin. Neuroscience, 1998, 83, 229-237.	2.3	24
49	Parvalbumin and GABA in the developing somatosensory thalamus of the rat: an immunocytochemical ultrastructural correlation. Anatomy and Embryology, 2001, 203, 109-119.	1.5	24
50	Expression of KIF3C kinesin during neural development and inÂvitro neuronal differentiation. Journal of Neurochemistry, 2001, 77, 741-753.	3.9	23
51	Neocortical and Hippocampal Changes after Multiple Pilocarpineâ€induced Status Epilepticus in Rats. Epilepsia, 2005, 46, 636-642.	5.1	23
52	Expression studies in gliomas and glial cells do not support a tumor suppressor role for LGI11. Neuro-Oncology, 2006, 8, 96-108.	1.2	23
53	Differential Signature of the Centrosomal MARK4 Isoforms in Glioma. Analytical Cellular Pathology, 2011, 34, 319-338.	1.4	23
54	Organization of radial and non-radial glia in the developing rat thalamus. Journal of Comparative Neurology, 2000, 428, 527-542.	1.6	22

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55	Joubert syndrome with bilateral polymicrogyria: Clinical and neuropathological findings in two brothers. American Journal of Medical Genetics, Part A, 2009, 149A, 1511-1515.	1.2	22
56	Development of cortical malformations in BCNU-treated rat, model of cortical dysplasia. Neuroscience, 2011, 175, 380-393.	2.3	20
57	Bilateral Cavitations of Ganglionic Eminence: A Fetal MR Imaging Sign of Halted Brain Development. American Journal of Neuroradiology, 2013, 34, 1841-1845.	2.4	20
58	Arterially Perfused Neurosphere-Derived Cells Distribute Outside the Ischemic Core in a Model of Transient Focal Ischemia and Reperfusion In Vitro. PLoS ONE, 2008, 3, e2754.	2.5	20
59	Substrates and routes of migration of early generated neurons in the developing rat thalamus. European Journal of Neuroscience, 2003, 18, 323-332.	2.6	19
60	Morphological organization of somatosensory cortex in Otx1â^'/â^' mice. Neuroscience, 2002, 115, 657-667.	2.3	17
61	Immunocytochemical and ultrastructural study of the rat perireticular thalamic nucleus during postnatal development. Journal of Comparative Neurology, 1998, 392, 390-401.	1.6	16
62	Chapter 22 The surface of the developing cerebral cortex; still special cells one century later. Progress in Brain Research, 2002, 136, 281-291.	1.4	16
63	Branching pattern of corticothalamic projections from the somatosensory cortex during postnatal development in the rat. Developmental Brain Research, 1995, 90, 111-121.	1.7	14
64	Synaptic Properties of Neocortical Neurons in Epileptic Mice Lacking the Otx1 Gene. Epilepsia, 2000, 41, S200-S205.	5.1	13
65	Cytoarchitectural, behavioural and neurophysiological dysfunctions in the <scp>BCNU</scp>â€treated rat model of cortical dysplasia. European Journal of Neuroscience, 2013, 37, 150-162.	2.6	13
66	Expanding the spectrum of human ganglionic eminence region anomalies on fetal magnetic resonance imaging. Neuroradiology, 2016, 58, 293-300.	2.2	13
67	Differential signature of the centrosomal MARK4 isoforms in glioma. Analytical Cellular Pathology, 2011, 34, 319-38.	1.4	13
68	Potentially epileptogenic dysfunction of cortical NMDA- and GABA-mediated neurotransmission in Otx1-/-mice. European Journal of Neuroscience, 2001, 14, 1065-1074.	2.6	12
69	Increased p<scp>CREB</scp> expression and the spontaneous epileptiform activity in a <scp>BCNU</scp>â€treated rat model of cortical dysplasia. Epilepsia, 2015, 56, 1343-1354.	5.1	12
70	Transneuronal Transport of Wheatgerm Agglutinin Conjugated with Horseradish Peroxidase in the Somatosensory System of the Rat: A Light- and Electron-Microscopic Study. Somatosensory & Motor Research, 1985, 3, 119-137.	2.2	11
71	Ultrastructural characterization of the postnatal development of the thalamic ventrobasal and reticular nuclei in the rat. Anatomy and Embryology, 1996, 193, 341-53.	1.5	11
72	Dynamic expression of NR2F1 and SOX2 in developing and adult human cortex: comparison with cortical malformations. Brain Structure and Function, 2021, 226, 1303-1322.	2.3	11

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73	PSA-NCAM in the developing and mature thalamus. Brain Research Bulletin, 2007, 71, 578-586.	3.0	10
74	Distribution of superparamagnetic Au/Fe nanoparticles in an isolated guinea pig brain with an intact blood brain barrier. Nanoscale, 2018, 10, 22420-22428.	5.6	10
75	Immunotherapy responsive startle with antibodies to voltage gated potassium channels. Journal of Neurology, Neurosurgery and Psychiatry, 2007, 78, 1281-1290.	1.9	9
76	Normanâ€“Roberts syndrome: characterization of the phenotype in early fetal life. Prenatal Diagnosis, 2007, 27, 568-572.	2.3	8
77	In vivo detection of cortical abnormalities in BCNU-treated rats, model of cortical dysplasia, using manganese-enhanced magnetic resonance imaging. Neuroscience, 2011, 192, 564-571.	2.3	8
78	Genesis of Heterotopia in BCNU Model of Cortical Dysplasia, Detected by Means of in utero Electroporation. Developmental Neuroscience, 2013, 35, 516-526.	2.0	8
79	GABA immunoreactivity in the developing rat thalamus and Otx2 homeoprotein expression in migrating neurons. Brain Research Bulletin, 2007, 73, 64-74.	3.0	7
80	Assessment of human hippocampal developmental neuroanatomy by means of exâ€vivo 7 T magnetic resonance imaging. International Journal of Developmental Neuroscience, 2014, 34, 33-41.	1.6	7
81	Proliferative cells in the rat developing neocortical grey matter: new insights into gliogenesis. Brain Structure and Function, 2018, 223, 4053-4066.	2.3	6
82	Glutamic acid decarboxylase (GAD)-like immunoreactivity in the pedal ganglion of Mytilus galloprovincialis. Cell and Tissue Research, 1986, 244, 591-593.	2.9	4
83	Tractographic reconstruction protocol optimization in the rat brain in-vivo: Towards a normal atlas. , 2011, 2011, 8467-70.		3
84	Immunotherapy responsive startle with antibodies to voltage gated potassium channels. BMJ Case Reports, 2009, 2009, bcr0920080988-bcr0920080988.	0.5	3
85	Familial Precocious Fetal Abnormal Cortical Sulcation. Neuropediatrics, 2016, 47, 253-258.	0.6	1
86	Kir4.1 RNA Interference by In Utero Electroporation Fails to Affect Ictogenesis and Reveals a Possible role of Kir4.1 in Corticogenesis. Neuroscience, 2020, 441, 65-76.	2.3	0