Constantino Sotelo

List of Publications by Year
in descending order

188 papers	18,190 citations	6250 80 h-index	13365 130 g-index
190 all docs	190 docs citations	190 times ranked	8827 citing authors

#	Article	IF	Citations
1	Electrotonic coupling between neurons in cat inferior olive.. Journal of Neurophysiology, 1974, 37, 560-571.	0.9	617
2	Structural study of inferior olivary nucleus of the cat: morphological correlates of electrotonic coupling.. Journal of Neurophysiology, 1974, 37, 541-559.	0.9	498
3	Regional and Cellular Patterns of<i>reelin</i>mRNA Expression in the Forebrain of the Developing and Adult Mouse. Journal of Neuroscience, 1998, 18, 7779-7799.	1.7	496
4	Lack of Barrels in the Somatosensory Cortex of Monoamine Oxidase Aâ€“Deficient Mice: Role of a Serotonin Excess during the Critical Period. Neuron, 1996, 16, 297-307.	3.8	493
5	THE AXON HILLOCK AND THE INITIAL SEGMENT. Journal of Cell Biology, 1968, 38, 193-201.	2.3	440
6	Inferior olive: its role in motor learing. Science, 1975, 190, 1230-1231.	6.0	411
7	Cellular and genetic regulation of the development of the cerebellar system. Progress in Neurobiology, 2004, 72, 295-339.	2.8	384
8	Consensus Paper: Cerebellar Development. Cerebellum, 2016, 15, 789-828.	1.4	337
9	Slit2-Mediated Chemorepulsion and Collapse of Developing Forebrain Axons. Neuron, 1999, 22, 463-473.	3.8	279
10	Transsynaptic degeneration â€˜en cascadeâ€™ in the cerebellar cortex of staggerer mutant rice. Brain Research, 1974, 67, 519-526.	1.1	274
11	THE FINE STRUCTURE OF THE LATERAL VESTIBULAR NUCLEUS IN THE RAT. Journal of Cell Biology, 1968, 36, 151-179.	2.3	272
12	Anatomical, physiological and biochemical studies of the cerebellum from mutant mice. II. Morphological study of cerebellar cortical neurons and circuits in the weaver mouse. Brain Research, 1975, 94, 19-44.	1.1	269
13	staggerer phenotype in retinoid-related orphan receptor Â-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 3960-3965.	3.3	268
14	Direct Immunohistochemical Evidence of the Existence of 5-HT1AAutoreceptors on Serotoninergic Neurons in the Midbrain Raphe Nuclei. European Journal of Neuroscience, 1990, 2, 1144-1154.	1.2	259
15	Localization of glutamic-acid-decarboxylase-immunoreactive axon terminals in the inferior olive of the rat, with special emphasis on anatomical relations between GABAergic synapses and dendrodendritic gap junctions. Journal of Comparative Neurology, 1986, 252, 32-50.	0.9	250
16	Subventricular zone-olfactory bulb migratory pathway in the adult mouse: Cellular composition and specificity as determined by heterochronic and heterotopic transplantation. Journal of Comparative Neurology, 1996, 371, 376-396.	0.9	248
17	SPECIALIZED MEMBRANE JUNCTIONS BETWEEN NEURONS IN THE VERTEBRATE CEREBELLAR CORTEX. Journal of Cell Biology, 1972, 53, 271-289.	2.3	235
18	Spatiotemporal expression patterns ofslitandrobogenes in the rat brain. Journal of Comparative Neurology, 2002, 442, 130-155.	0.9	233

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19	Reconstruction of the defective cerebellar circuitry in adult purkinje cell degeneration mutant mice by Purkinje cell replacement through transplantation of solid embryonic implants. Neuroscience, 1987, 20, 1-22.	1.1	219
20	Multiple Roles for Slits in the Control of Cell Migration in the Rostral Migratory Stream. Journal of Neuroscience, 2004, 24, 1497-1506.	1.7	216
21	Neuronal Activity and Brain-Derived Neurotrophic Factor Regulate the Density of Inhibitory Synapses in Organotypic Slice Cultures of Postnatal Hippocampus. Journal of Neuroscience, 2000, 20, 8087-8095.	1.7	210
22	Climbing fiber deafferentation: Its action on Purkinje cell dendritic spines. Brain Research, 1975, 98, 574-581.	1.1	202
23	Transient biochemical compartmentalization of Purkinje cells during early cerebellar development. Developmental Biology, 1985, 111, 129-137.	0.9	200
24	Dopaminergic dendrites in the pars reticulata of the rat substantia nigra and their striatal input. combined immunocytochemical localization of tyrosine hydroxylase and anterograde degeneration. Neuroscience, 1981, 6, 2125-2139.	1.1	194
25	Bergmann fibers and granular cell migration in the cerebellum of homozygous weaver mutant mouse. Brain Research, 1974, 77, 484-491.	1.1	193
26	Molecular plasticity of adult Bergmann fibers is associated with radial migration of grafted Purkinje cells. Journal of Neuroscience, 1994, 14, 124-133.	1.7	192
27	Degenerative patterns in the ventral cochlear nucleus of the rat after primary deafferentation. An ultrastructural study. Brain Research, 1973, 62, 37-60.	1.1	178
28	The Slit Receptor Rig-1/Robo3 Controls Midline Crossing by Hindbrain Precerebellar Neurons and Axons. Neuron, 2004, 43, 69-79.	3.8	177
29	Embryonic and adult neurons interact to allow Purkinje cell replacement in mutant cerebellum. Nature, 1987, 327, 421-423.	13.7	173
30	Purkinje Cell Survival and Axonal Regeneration Are Age Dependent: An<i>In Vitro</i>Study. Journal of Neuroscience, 1997, 17, 3710-3726.	1.7	171
31	Floor Plate and Netrin-1 Are Involved in the Migration and Survival of Inferior Olivary Neurons. Journal of Neuroscience, 1999, 19, 4407-4420.	1.7	167
32	Synaptic remodeling of serotonin axon terminals in rat agranular cerebellum. Brain Research, 1981, 206, 305-329.	1.1	162
33	The fine structure of the lateral vestibular nucleus in the rat. II. synaptic organization. Brain Research, 1970, 18, 93-115.	1.1	161
34	Injection of 6-hydroxydopamine into the substantia nigra of the rat. II. Diffusion and specificity. Brain Research, 1973, 58, 291-301.	1.1	157
35	Chemoattraction and Chemorepulsion of Olfactory Bulb Axons by Different Secreted Semaphorins. Journal of Neuroscience, 1999, 19, 4428-4436.	1.7	142
36	Diversity and Specificity of Actions of Slit2 Proteolytic Fragments in Axon Guidance. Journal of Neuroscience, 2001, 21, 4281-4289.	1.7	142

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37	Postnatal development of the inferior olivary complex in the rat. II. Topographic organization of the immature olivocerebellar projection. Journal of Comparative Neurology, 1984, 222, 177-199.	0.9	139
38	Long-term changes in the molecular composition of the glial scar and progressive increase of serotoninergic fibre sprouting after hemisection of the mouse spinal cord. European Journal of Neuroscience, 2004, 20, 1161-1176.	1.2	137
39	Injection of 6-hydroxydopamine in the substantia nigra of the rat. I. Morphological study. Brain Research, 1973, 58, 269-290.	1.1	132
40	Purkinje Cell Ontogeny: Formation and Maintenance of Spines. Progress in Brain Research, 1978, 48, 149-170.	0.9	132
41	The reconstruction of cerebellar circuits. Trends in Neurosciences, 1991, 14, 350-355.	4.2	131
42	Chick/quail chimeras with partial cerebellar grafts: An analysis of the origin and migration of cerebellar cells. Journal of Comparative Neurology, 1993, 333, 597-615.	0.9	131
43	Cajal-Retzius Cells Regulate the Radial Glia Phenotype in the Adult and Developing Cerebellum and Alter Granule Cell Migration. Neuron, 1997, 18, 563-577.	3.8	129
44	Early dendritic development of Purkinje cells in the rat cerebellum. A light and electron microscopic study using axonal tracing in â€˜in vitroâ€™ slices. Developmental Brain Research, 1991, 64, 95-114.	2.1	125
45	Development of Purkinje cells in absence of climbing fibers. Brain Research, 1976, 111, 389-395.	1.1	121
46	Asynchrony in the expression of guanosine 3â€²:5â€²-phosphate-dependent protein kinase by clusters of purkinje cells during the perinatal development of rat cerebellum. Neuroscience, 1984, 13, 1217-1241.	1.1	118
47	Electrotonic coupling between neurons in the rat lateral vestibular nucleus. Experimental Brain Research, 1973, 16, 255.	0.7	117
48	Expression of compartmentation antigen zebrin I in cerebellar transplants. Journal of Comparative Neurology, 1990, 294, 223-234.	0.9	111
49	Specificity of dopaminergic neuronal degeneration induced by intracerebral injection of 6-hydroxydopamine in the nigrostriatal dopamine system. Brain Research, 1976, 102, 201-215.	1.1	110
50	Cerebellar Transplantations in Adult Mice with Heredo-degenerative Ataxia. Annals of the New York Academy of Sciences, 1987, 495, 242-266.	1.8	108
51	Cerebellar mutations affecting the postnatal survival of Purkinje cells in the mouse disclose a longitudinal pattern of differentially sensitive cells. Developmental Biology, 1987, 124, 379-389.	0.9	108
52	Early Development of Olivocerebellar Projections in the Fetal Rat Using CGRP Immunocytochemistry. European Journal of Neuroscience, 1992, 4, 1159-1179.	1.2	107
53	Neurobiological effects of a null mutation depend on genetic context: comparison between two hotfoot alleles of the delta-2 ionotropic glutamate receptor. Neuroscience, 2001, 105, 443-455.	1.1	107
54	Ultrastructural features of the isolated suprasylvian gyrus in the cat. Journal of Comparative Neurology, 1974, 154, 1-27.	0.9	104

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55	Growth and differentiation of cerebellar suspensions transplanted into the adult cerebellum of mice with heredodegenerative ataxia.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 1135-1139.	3.3	103
56	Ultrastructural aspects of electrotonic junctions in the spinal cord of the frog. Brain Research, 1970, 17, 137-141.	1.1	100
57	Transient maternal hypothyroxinemia at onset of corticogenesis alters tangential migration of medial ganglionic eminence-derived neurons. European Journal of Neuroscience, 2005, 22, 541-551.	1.2	100
58	Intrinsic versus extrinsic determinants during the development of Purkinje cell dendrites. Neuroscience, 2009, 162, 589-600.	1.1	99
59	Migratory pathways and neuritic differentiation of inferior olivary neurons in the rat embryo. Axonal tracing study using the in vitro slab technique. Developmental Brain Research, 1988, 39, 19-37.	2.1	98
60	Proliferation, migration and differentiation of neuronal progenitor cells in the adult mouse subventricular zone surgically separated from its olfactory bulb. European Journal of Neuroscience, 1998, 10, 3853-3868.	1.2	97
61	Fate of presynaptic afferents to Purkinje cells in the adult nervous mutant mouse: A model to study presynaptic stabilization. Brain Research, 1979, 175, 11-36.	1.1	94
62	Permanence and fate of paramembranous synaptic specializations in â€˜mutantsâ€™ and experimental animals. Brain Research, 1973, 62, 345-351.	1.1	92
63	Homotopic and heterotopic transplantations of quail tectal primordia in chick embryos: Organization of the retinotectal projections in the chimeric embryos. Developmental Biology, 1984, 103, 378-398.	0.9	92
64	Lack of Purkinje cell loss in adult rat cerebellum following protracted axotomy: Degenerative changes and regenerative attempts of the severed axons. Journal of Comparative Neurology, 1994, 347, 211-232.	0.9	92
65	The â€˜creeper stageâ€™ in cerebellar climbing fiber synaptogenesis precedes the â€˜pericellular nestâ€™ - ultrastructural evidence with parvalbumin immunocytochemistry. Developmental Brain Research, 1993, 76, 207-220.	2.1	91
66	Differentiation of cerebellar anlage heterotopically transplanted to adult rat brain: A light and electron microscopic study. Journal of Comparative Neurology, 1982, 212, 247-267.	0.9	90
67	Early development of the Lurcher cerebellum: Purkinje cell alterations and impairment of synaptogenesis. Journal of Neurocytology, 1992, 21, 506-529.	1.6	89
68	Differential regenerative response of purkinje cell and inferior olivary axons confronted with embryonic grafts: Environmental cues versus intrinsic neuronal determinants. Journal of Comparative Neurology, 1995, 359, 663-677.	0.9	88
69	Initial Tract Formation in the Brain of the Chick Embryo: Selective Expression of the BEN/SC1/DM-GRASP Cell Adhesion Molecule. European Journal of Neuroscience, 1995, 7, 198-212.	1.2	88
70	The fine structural localization of norepinephrine-3H in the substantia nigra and area postrema of the rat an autoradiographic study. Journal of Ultrastructure Research, 1971, 36, 824-841.	1.4	87
71	Development of the olivocerebellar projection in the rat: I. Transient biochemical compartmentation of the inferior olive. Journal of Comparative Neurology, 1992, 323, 519-536.	0.9	86
72	Development of the olivocerebellar projection in the rat: II. Matching of the developmental compartmentations of the cerebellum and inferior olive through the projection map. Journal of Comparative Neurology, 1992, 323, 537-550.	0.9	86

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73	BEN As a Presumptive Target Recognition Molecule during the Development of the Olivocerebellar System. Journal of Neuroscience, 1996, 16, 3296-3310.	1.7	86
74	Purkinje cell death: Differences between developmental cell death and neurodegenerative death in mutant mice. Cerebellum, 2006, 5, 163-173.	1.4	85
75	Sensory Axon Response to Substrate-Bound Slit2 Is Modulated by Laminin and Cyclic GMP. Molecular and Cellular Neurosciences, 2001, 17, 1048-1058.	1.0	84
76	Postnatal maturation of Na+, K+, 2Cl-cotransporter expression and inhibitory synaptogenesis in the rat hippocampus: an immunocytochemical analysis. European Journal of Neuroscience, 2002, 15, 233-245.	1.2	84
77	Expression ofnetrin-1,slit-1andslit-3but not ofslit-2after cerebellar and spinal cord lesions. European Journal of Neuroscience, 2005, 22, 2134-2144.	1.2	84
78	An ultrastructural study of granule cell/Purkinje cell synapses in tottering (tg/tg), leaner (tgla/tgla) and compound heterozygous tottering/leaner (tg/tgla) mice. Neuroscience, 1999, 90, 717-728.	1.1	83
79	Viewing the brain through the master hand of Ramon y Cajal. Nature Reviews Neuroscience, 2003, 4, 71-77.	4.9	83
80	Hot-foot murine mutation: behavioral effects and neuroanatomical alterations. Brain Research, 1990, 523, 199-210.	1.1	82
81	Synaptic organization of the nucleus gracilis of the cat. Experimental identification of dorsal root fibers and cortical afferents. Journal of Comparative Neurology, 1974, 155, 441-467.	0.9	81
82	The smooth endoplasmic reticulum and the retrograde and fast orthograde transport of horseradish peroxidase in the nigro-striato-nigral loop. Anatomy and Embryology, 1974, 146, 209-218.	1.5	81
83	Non-Purkinje cell GABAergic innervation of the deep cerebellar nuclei: A quantitative immunocytochemical study in C57BL and in Purkinje cell degeneration mutant mice. Brain Research, 1986, 399, 125-135.	1.1	81
84	Late axonal sprouting of injured Purkinje cells and its temporal correlation with permissive changes in the glial scar. Journal of Comparative Neurology, 1999, 408, 399-418.	0.9	80
85	Target neuron controls the integrity of afferent axon phenotype: a study on the Purkinje cell-climbing fiber system in cerebellar mutant mice. Journal of Neuroscience, 1995, 15, 2040-2056.	1.7	78
86	Age-Dependent Effects of Secreted Semaphorins 3A, 3F, and 3E on Developing Hippocampal Axons: In Vitro Effects and Phenotype of Semaphorin 3A (âˆ'/âˆ') Mice. Molecular and Cellular Neurosciences, 2001, 18, 26-43.	1.0	78
87	Synaptology of the cerebello-olivary pathway. Double labelling with anterograde axonal tracing and GABA immunocytochemistry in the rat. Brain Research, 1989, 479, 361-365.	1.1	77
88	Mifepristone (RU486) protects Purkinje cells from cell death in organotypic slice cultures of postnatal rat and mouse cerebellum. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7953-7958.	3.3	77
89	Localization of [3H]GABA in tissue culture of rat cerebellum using electron microscopy radioautography. Brain Research, 1972, 45, 302-308.	1.1	76
90	Fate of grafted embryonic purkinje cells in the cerebellum of the adult ?purkinje cell degeneration? mutant mouse. I. Development of reciprocal graft-host interactions. Journal of Comparative Neurology, 1990, 295, 165-187.	0.9	75

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91	The lateral vestibular nucleus of the toadfish Opsanus tau: Ultrastructural and electrophysiological observations with special reference to electrotonic transmission. Neuroscience, 1977, 2, 851-884.	1.1	74
92	Pathologic changes in the CNS of Dystonia musculorum mutant mouse: An animal model for human spinocerebellar ataxia. Neuroscience, 1988, 27, 403-424.	1.1	72
93	Neuronal Precursors in the Postnatal Mouse Cerebellum are Fully Committed Cells: Evidence from Heterochronic Transplantations. European Journal of Neuroscience, 1996, 8, 2308-2319.	1.2	71
94	Organization of Host Afferents to Cerebellar Grafts Implanted into Kainate Lesioned Cerebellum in Adult Rats. Hodological evidence for the specificity of host-graft interactions. European Journal of Neuroscience, 1989, 1, 75-93.	1.2	69
95	Inhibition of Protein Kinase C Prevents Purkinje Cell Death But Does Not Affect Axonal Regeneration. Journal of Neuroscience, 2002, 22, 3531-3542.	1.7	69
96	Plexin-B2 Controls the Development of Cerebellar Granule Cells. Journal of Neuroscience, 2007, 27, 3921-3932.	1.7	69
97	Heterologous synapses upon purkinje cells in the cerebellum of the reeler mutant mouse: An experimental light and electron microscopic study. Brain Research, 1981, 213, 63-82.	1.1	66
98	Compensatory climbing fiber innervation after unilateral pedunculotomy in the newborn rat: Origin and topographic organization. Journal of Comparative Neurology, 1985, 236, 161-178.	0.9	65
99	Permanence of postsynaptic specializations in the frog sympathetic ganglion cells after denervation. Experimental Brain Research, 1968, 6, 294-305.	0.7	64
100	Dendritic and axonic fields of purkinje cells in developing and X-irradiated rat cerebellum. a comparative study using intracellular staining with horseradish peroxidase. Neuroscience, 1980, 5, 333-347.	1.1	64
101	Evidence for intrinsic development of olfactory structures inPax-6 mutant mice. Journal of Comparative Neurology, 2000, 428, 511-526.	0.9	64
102	Implication of Bcl-2 and Caspase-3 in age-related Purkinje cell death in murine organotypic culture: an in vitro model to study apoptosis. European Journal of Neuroscience, 2000, 12, 2935-2949.	1.2	64
103	The fine structure of the cerebellar central nuclei in the cat II. Synaptic organization. Experimental Brain Research, 1973, 16, 431-54.	0.7	63
104	Migratory pathways and selective aggregation of the lateral reticular neurons in the rat embryo: A horseradish peroxidase in vitro study, with special reference to migration patterns of the precerebellar nuclei. Journal of Comparative Neurology, 1990, 294, 1-13.	0.9	63
105	Molecular heterogeneity of progenitors and radial migration in the developing cerebral cortex revealed by transgene expression.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 11676-11680.	3.3	62
106	Mature Purkinje Cells Require the Retinoic Acid-Related Orphan Receptor-Î± (RORÎ±) to Maintain Climbing Fiber Mono-Innervation and Other Adult Characteristics. Journal of Neuroscience, 2013, 33, 9546-9562.	1.7	62
107	Electrophysiological demonstration of a synaptic integration of transplanted purkinje cells into the cerebellum of the adult purkinje cell degeneration mutant mouse. Neuroscience, 1988, 24, 777-789.	1.1	61
108	Ultrastructural evidence for compensatory sprouting of climbing and mossy afferents to the cerebellar hemisphere after ipsilateral pedunculotomy in the newborn rat. Journal of Comparative Neurology, 1982, 205, 101-111.	0.9	60

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109	The fine structure of the cerebellar central nuclei in the cat I. Neurons and neuroglial cells. Experimental Brain Research, 1973, 16, 410-30.	0.7	59
110	Progressive Purkinje Cell Degeneration in tambaleante Mutant Mice Is a Consequence of a Missense Mutation in HERC1 E3 Ubiquitin Ligase. PLoS Genetics, 2009, 5, e1000784.	1.5	58
111	Molecular Mechanisms Controlling Midline Crossing by Precerebellar Neurons. Journal of Neuroscience, 2008, 28, 6285-6294.	1.7	57
112	Thyroid hormone triggers the developmental loss of axonal regenerative capacity via thyroid hormone receptor Î±1 and krÃ¼ppel-like factor 9 in Purkinje cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14206-14211.	3.3	56
113	Postnatal development of the inferior olivary complex in the rat. III. A morphometric analysis of volumetric growth and neuronal cell number. Developmental Brain Research, 1984, 16, 241-251.	2.1	55
114	Development of â€œPinceauxâ€•formations and dendritic translocation of climbing fibers during the acquisition of the balance between glutamatergic and Î³â€aminobutyric acidergic inputs in developing Purkinje cells. Journal of Comparative Neurology, 2008, 506, 240-262.	0.9	55
115	Purkinje Cell Heterogeneity: Its Role in Organizing the Topography of the Cerebellar Cortex Connections. , 1992, , 5-21.		55
116	Postnatal development of the inferior olivary complex in the rat. I. An electron microscopic study of the medial accessory olive. Developmental Brain Research, 1983, 8, 291-310.	2.1	54
117	Synaptic remodeling of the cerebellar circuitry in mutant mice and experimental cerebellar malformations. Acta Neuropathologica, 1978, 43, 19-34.	3.9	53
118	Slit Antagonizes Netrin-1 Attractive Effects during the Migration of Inferior Olivary Neurons. Developmental Biology, 2002, 246, 429-440.	0.9	53
119	The Developmental Loss of the Ability of Purkinje Cells to Regenerate Their Axons Occurs in the Absence of Myelin: An<i>In Vitro</i>Model to Prevent Myelination. Journal of Neuroscience, 2003, 23, 8318-8329.	1.7	53
120	Formation of presynaptic dendrites in the rat cerebellum following neonatal X-irradiation. Neuroscience, 1977, 2, 275-283.	1.1	50
121	Mutant mice and the formation of cerebellar circuitry. Trends in Neurosciences, 1980, 3, 33-36.	4.2	50
122	Axonal abnormalities in cerebellar Purkinje cells of the ?hyperspiny Purkinje cell? mutant mouse. Journal of Neurocytology, 1990, 19, 737-755.	1.6	49
123	Cell death and axon regeneration of Purkinje cells after axotomy: Challenges of classical hypotheses of axon regeneration. Brain Research Reviews, 2005, 49, 300-316.	9.1	49
124	Neuronal migration and dendritic maturation of the medial cerebellar nucleus in rat embryos: an HRP in vitro study using cerebellar slabs. Brain Research, 1986, 378, 69-85.	1.1	48
125	Fate of grafted embryonic purkinje cells in the cerebellum of the adult ?purkinje cell degeneration? mutant mouse. II. Development of synaptic responses: An in vitro study. Journal of Comparative Neurology, 1990, 295, 188-196.	0.9	48
126	Morphological correlates of electrotonic coupling in the magnocellular mesencephalic nucleus of the weakly electric fishGymnotus carapo. Journal of Neurocytology, 1975, 4, 587-607.	1.6	47

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127	The dentato-olivary projection in the rat as a presumptive GABAergic link in the olivo-cerebello-olivary loop. An ultrastructural study. Neuroscience Letters, 1987, 83, 227-231.	1.0	47
128	Some effects of chronic deafferentation on the ultrastructure of the nucleus gracilis of the cat. Brain Research, 1974, 73, 527-533.	1.1	46
129	Cerebellar malformation obtained in rats by early postnatal treatment with 6-aminonicotinamide. Role of neuron-glia interactions in cerebellar development. Neuroscience, 1980, 5, 1737-1759.	1.1	45
130	Immunohistochemical study of short- and long-term effects ofdl-fenfluramine on the serotonergic innervation of the rat hippocampal formation. Brain Research, 1991, 541, 309-326.	1.1	43
131	Partial reconstruction of the adult Lurcher cerebellar circuitry by neural grafting. Neuroscience, 1993, 55, 1-21.	1.1	41
132	Parasagittal compartmentation of adult rat purkinje cells expressing the low-affinity nerve growth factor receptor: Changes of pattern expression after a traumatic lesion. Neuroscience, 1994, 63, 351-356.	1.1	40
133	Development of the olivocerebellar system: migration and formation of cerebellar maps. Progress in Brain Research, 2005, 148, 1-20.	0.9	39
134	The pontocerebellar projection: longitudinal zonal distribution of fibers from discrete regions of the pontine nuclei to vermal and parafloccular cortices in the rat. Brain Research, 1994, 644, 175-180.	1.1	38
135	Role of GAP-43 in mediating the responsiveness of cerebellar and precerebellar neurons to axotomy. European Journal of Neuroscience, 2001, 13, 857-870.	1.2	37
136	Relationships between neuronal birthdates and cytoarchitecture in the rat inferior olivary complex. Journal of Comparative Neurology, 1991, 313, 509-521.	0.9	35
137	Ultrastructural analysis of catecholaminergic innervation in weaver and normal mouse cerebellar cortices. Journal of Comparative Neurology, 2000, 426, 316-329.	0.9	35
138	Cerebellar oligodendroglial cells have a mesencephalic origin. Glia, 2011, 59, 1946-1957.	2.5	35
139	Hyperspiny Purkinje cell, a new neurological mutation in the mouse. Journal of Heredity, 1983, 74, 105-108.	1.0	34
140	Nr-CAM and TAG-1 are expressed in distinct populations of developing precerebellar and cerebellar neurons. Neuroscience, 2002, 113, 743-748.	1.1	34
141	Gap junctions in ventral cochlear nucleus of the rat. A possible new example of electrotonic junctions in the mammalian C.N.S.. Neuroscience, 1976, 1, 5-IN2.	1.1	33
142	Postnatal development of the inferior olivary complex in the rat: IV. Synaptogenesis of GABAergic afferents, analyzed by glutamic acid decarboxylase immunocytochemistry. Journal of Comparative Neurology, 1987, 263, 526-552.	0.9	33
143	Adult neural stem cells from the mouse subventricular zone are limited in migratory ability compared to progenitor cells of similar origin. Neuroscience, 2004, 128, 807-817.	1.1	33
144	Molecular Layer Interneurons of the Cerebellum: Developmental and Morphological Aspects. Cerebellum, 2015, 14, 534-556.	1.4	32

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145	Grafts of dissociated cerebellar cells containing Purkinje cell precursors organize into zebrin I defined compartments. Experimental Brain Research, 1990, 82, 401-7.	0.7	31
146	Quantitative effects produced by modifications of neuronal activity on the size of GABAA receptor clusters in hippocampal slice cultures. European Journal of Neuroscience, 2004, 20, 427-440.	1.2	30
147	Viewing the Cerebellum through the Eyes of RamÃ³n Y Cajal. Cerebellum, 2008, 7, 517-522.	1.4	28
148	Cerebellar Neuroglia: Morphological and Histochemical Aspects. Progress in Brain Research, 1967, 25, 226-250.	0.9	27
149	Cytological aspects of the axonal migration of catecholamines and of their storage material. Brain Research, 1973, 62, 431-437.	1.1	27
150	Proximal trajectory of the brachium conjunctivum in rat fetuses and its early association with the parabrachial nucleus. A study combining in vitro HRP anterograde axonal tracing and immunocytochemistry. Developmental Brain Research, 1989, 45, 185-202.	2.1	27
151	Heterogeneity of NG2-expressing cells in the newborn mouse cerebellum. Developmental Biology, 2005, 285, 409-421.	0.9	27
152	Purkinje Cell Maturation Participates in the Control of Oligodendrocyte Differentiation: Role of Sonic Hedgehog and Vitronectin. PLoS ONE, 2012, 7, e49015.	1.1	26
153	New Insight on the Factors Orienting the Axonal Outgrowth of Grafted Purkinje Cells in the pcd Cerebellum. Developmental Neuroscience, 1992, 14, 153-165.	1.0	25
154	Sprouting of adult Purkinje cell axons in lesioned mouse cerebellum: "non-permissive" versus "permissive" environment. Journal of Neurocytology, 2002, 31, 633-647.	1.6	25
155	Localization of benzodiazepine-like molecules in the rat brain. A light and electron microscopy immunocytochemistry study with an anti-benzodiazepine monoclonal antibody. Brain Research, 1987, 413, 285-296.	1.1	22
156	Klf9 is necessary and sufficient for Purkinje cell survival in organotypic culture. Molecular and Cellular Neurosciences, 2013, 54, 9-21.	1.0	22
157	Chapter 2 The chemotactic hypothesis of Cajal: a century behind. Progress in Brain Research, 2002, 136, 11-20.	0.9	19
158	Stellate cells and their synapses on Purkinje cells in the cerebellum of the frog. Brain Research, 1970, 17, 510-514.	1.1	18
159	Camillo Golgi and Santiago Ramon y Cajal: The anatomical organization of the cortex of the cerebellum. Can the neuron doctrine still support our actual knowledge on the cerebellar structural arrangement?. Brain Research Reviews, 2011, 66, 16-34.	9.1	17
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