

MarÃ-a Celina Rodicio

List of Publications by Year in descending order

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88
papers

2,488
citations

218677

26
h-index

254184

43
g-index

97
all docs

97
docs citations

97
times ranked

2022
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical aspects of microRNA in diagnostics: A review. <i>Analytica Chimica Acta</i> , 2011, 699, 134-152.	5.4	229
2	Rapid in situ codetection of noncoding RNAs and proteins in cells and formalin-fixed paraffin-embedded tissue sections without protease treatment. <i>Nature Protocols</i> , 2010, 5, 1061-1073.	12.0	134
3	Detection methods for microRNAs in clinic practice. <i>Clinical Biochemistry</i> , 2013, 46, 869-878.	1.9	125
4	Ontogeny of GABA -immunoreactive neuronal populations in the forebrain and midbrain of the sea lamprey. <i>Journal of Comparative Neurology</i> , 2002, 446, 360-376.	1.6	81
5	Organization of the visual system in larval lampreys: An HRP study. <i>Journal of Comparative Neurology</i> , 1990, 302, 529-542.	1.6	69
6	Presence of glutamate, glycine, and GABA in the retina of the larval sea lamprey: Comparative immunohistochemical study of classical neurotransmitters in larval and postmetamorphic retinas. <i>Journal of Comparative Neurology</i> , 2006, 499, 810-827.	1.6	67
7	Biochemical and genetic evidence for a role of IGHMBP2 in the translational machinery. <i>Human Molecular Genetics</i> , 2009, 18, 2115-2126.	2.9	61
8	Early development of the retina and pineal complex in the sea lamprey: Comparative immunocytochemical study. <i>Journal of Comparative Neurology</i> , 2002, 442, 250-265.	1.6	56
9	Ontogeny of GABA -immunoreactive neurons in the rhombencephalon and spinal cord of the sea lamprey. <i>Journal of Comparative Neurology</i> , 2003, 464, 17-35.	1.6	51
10	Ganglion cells and retinopetal fibers of the larval lamprey retina: An HRP ultrastructural study. <i>Neuroscience Letters</i> , 1989, 106, 1-6.	2.1	48
11	Development of the serotonergic system in the central nervous system of the sea lamprey. <i>Journal of Chemical Neuroanatomy</i> , 2007, 34, 29-46.	2.1	40
12	GABA promotes survival and axonal regeneration in identifiable descending neurons after spinal cord injury in larval lampreys. <i>Cell Death and Disease</i> , 2018, 9, 663.	6.3	40
13	Distribution of glycine immunoreactivity in the brain of adult sea lamprey (<i>Petromyzon</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tff 50 1441-1463.	1.6	39
14	Neurochemical characterization of sea lamprey taste buds and afferent gustatory fibers: Presence of serotonin, calretinin, and CGRP immunoreactivity in taste bud bipolar cells of the earliest vertebrates. <i>Journal of Comparative Neurology</i> , 2008, 511, 438-453.	1.6	39
15	Descending brain-spinal cord projections in a primitive vertebrate, the lamprey: Cerebrospinal fluid-contacting and dopaminergic neurons. <i>Journal of Comparative Neurology</i> , 2008, 511, 711-723.	1.6	37
16	Calbindin and calretinin immunoreactivity in the retina of adult and larval sea lamprey. <i>Brain Research</i> , 2006, 1068, 118-130.	2.2	35
17	Cell proliferation in the forebrain and midbrain of the sea lamprey. <i>Journal of Comparative Neurology</i> , 2006, 494, 986-1006.	1.6	35
18	The early scaffold of axon tracts in the brain of a primitive vertebrate, the sea lamprey. <i>Brain Research Bulletin</i> , 2008, 75, 42-52.	3.0	33

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19	HRP study of the central components of the trigeminal nerve in the larval sea lamprey: Organization and homology of the primary medullary and spinal nucleus of the trigeminus. <i>Journal of Comparative Neurology</i> , 1989, 283, 602-610.	1.6	32
20	The ancestral role of nodal signalling in breaking L/R symmetry in the vertebrate forebrain. <i>Nature Communications</i> , 2015, 6, 6686.	12.8	32
21	Development and organization of the ocular motor nuclei in the larval sea lamprey, <i>Petromyzon marinus</i> L.: An HRP study. <i>Journal of Comparative Neurology</i> , 1994, 341, 393-406.	1.6	31
22	Early development and organization of the retinopetal system in the larval sea lamprey, <i>Petromyzon marinus</i> L. <i>Anatomy and Embryology</i> , 1995, 192, 517-26.	1.5	31
23	GABA immunoreactivity in the olfactory bulbs of the adult sea lamprey <i>Petromyzon marinus</i> L. <i>Brain Research</i> , 2001, 893, 253-260.	2.2	31
24	Dopamine and 35 S-aminobutyric acid are colocalized in restricted groups of neurons in the sea lamprey brain: insights into the early evolution of neurotransmitter colocalization in vertebrates. <i>Journal of Anatomy</i> , 2009, 215, 601-610.	1.5	31
25	Glutamatergic neuronal populations in the forebrain of the sea lamprey, <i>Petromyzon marinus</i> : An in situ hybridization and immunocytochemical study. <i>Journal of Comparative Neurology</i> , 2011, 519, 1712-1735.	1.6	30
26	Development of the dopamine-immunoreactive system in the central nervous system of the sea lamprey. <i>Brain Research Bulletin</i> , 2005, 66, 560-564.	3.0	29
27	Late proliferation and photoreceptor differentiation in the transforming lamprey retina. <i>Brain Research</i> , 2008, 1201, 60-67.	2.2	28
28	Colocalization of dopamine and GABA in spinal cord neurones in the sea lamprey. <i>Brain Research Bulletin</i> , 2008, 76, 45-49.	3.0	28
29	Reelin immunoreactivity in the larval sea lamprey brain. <i>Journal of Chemical Neuroanatomy</i> , 2002, 23, 211-221.	2.1	27
30	Spontaneous Regeneration of the Serotonergic Descending Innervation in the Sea Lamprey after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2011, 28, 2535-2540.	3.4	26
31	Neuronal release and successful astrocyte uptake of aminoacidergic neurotransmitters after spinal cord injury in lampreys. <i>Glia</i> , 2014, 62, 1254-1269.	4.9	26
32	Glycine-immunoreactive neurons in the developing spinal cord of the sea lamprey: Comparison with the 35 S-aminobutyric acidergic system. <i>Journal of Comparative Neurology</i> , 2008, 508, 112-130.	1.6	25
33	Development and organization of the descending serotonergic brainstem spinal projections in the sea lamprey. <i>Journal of Chemical Neuroanatomy</i> , 2008, 36, 77-84.	2.1	25
34	Serotonin and GABA are colocalized in restricted groups of neurons in the larval sea lamprey brain: insights into the early evolution of neurotransmitter colocalization in vertebrates. <i>Journal of Anatomy</i> , 2009, 215, 435-443.	1.5	25
35	The Gustatory System of Lampreys. <i>Brain, Behavior and Evolution</i> , 2010, 75, 241-250.	1.7	25
36	The sea lamprey tyrosine hydroxylase: cDNA cloning and in situ hybridization study in the brain. <i>Neuroscience</i> , 2010, 168, 659-669.	2.3	25

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37	Distribution of glycinergic neurons in the brain of glycine transporterâ€2 transgenic Tg(<i>glyt2:Gfp</i>) adult zebrafish: Relationship to brainâ€spinal descending systems. Journal of Comparative Neurology, 2013, 521, 389-425.	1.6	25
38	Traumatic injury induces changes in the expression of the serotonin 1A receptor in the spinal cord of lampreys. Neuropharmacology, 2014, 77, 369-378.	4.1	25
39	Glutamatergic neuronal populations in the brainstem of the sea lamprey, <i>Petromyzon marinus</i>: An in situ hybridization and immunocytochemical study. Journal of Comparative Neurology, 2013, 521, 522-557.	1.6	24
40	Choline acetyltransferase-immunoreactive neurons in the retina of adult and developing lampreys. Brain Research, 2003, 993, 154-163.	2.2	23
41	Secondary vestibulo-oculomotor projections in larval sea lamprey: Anterior octavomotor nucleus. Journal of Comparative Neurology, 1996, 372, 568-580.	1.6	22
42	Centrifugal fibers are the only GABAergic structures of the retina of the larval sea lamprey: an immunocytochemical study. Brain Research, 1998, 782, 297-302.	2.2	22
43	New insights on the neuropeptide Y system in the larval lamprey brain: neuropeptide Y immunoreactive neurons, descending spinal projections and comparison with tyrosine hydroxylase and GABA immunoreactivities. Neuroscience, 2010, 167, 396-413.	2.3	22
44	Neurochemical differentiation of horizontal and amacrine cells during transformation of the sea lamprey retina. Journal of Chemical Neuroanatomy, 2008, 35, 225-232.	2.1	21
45	Development of glycine immunoreactivity in the brain of the sea lamprey: Comparison with Î³-aminobutyric acid immunoreactivity. Journal of Comparative Neurology, 2009, 512, 747-767.	1.6	21
46	Marginal Cells in the Spinal Cord of Four Elasmobranchs(Torpedo marmorata, T. torpedo, Raja) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Receptor Neurons. European Journal of Neuroscience, 1995, 7, 934-943.	2.6	20
47	GABA-immunoreactive internuclear neurons in the ocular motor system of lampreys. Brain Research, 2000, 855, 150-157.	2.2	20
48	The sea lamprey tryptophan hydroxylase: new insight into the evolution of the serotonergic system of vertebrates. Brain Structure and Function, 2013, 218, 587-593.	2.3	20
49	Proliferating cell nuclear antigen (PCNA) immunoreactivity and development of the pineal complex and habenula of the sea lamprey. Brain Research Bulletin, 2002, 57, 285-287.	3.0	19
50	Anatomical recovery of the spinal glutamatergic system following a complete spinal cord injury in lampreys. Scientific Reports, 2016, 6, 37786.	3.3	19
51	Taurine Promotes Axonal Regeneration after a Complete Spinal Cord Injury in Lampreys. Journal of Neurotrauma, 2020, 37, 899-903.	3.4	19
52	Retinotopy of visual projections to the optic tectum and pretectum in larval sea lamprey. Experimental Eye Research, 2011, 92, 274-281.	2.6	18
53	Full Anatomical Recovery of the Dopaminergic System after a Complete Spinal Cord Injury in Lampreys. Neural Plasticity, 2015, 2015, 1-10.	2.2	18
54	Internuclear neurons of the ocular motor system of the larval sea lamprey. , 1998, 401, 1-15.		17

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55	Extensive presence of serotonergic cells and fibers in the peripheral nervous system of lampreys. <i>Journal of Comparative Neurology</i> , 2009, 512, 478-499.	1.6	17
56	Cholecystokinin in the central nervous system of the sea lamprey <i>Petromyzon marinus</i> : precursor identification and neuroanatomical relationships with other neuronal signalling systems. <i>Brain Structure and Function</i> , 2020, 225, 249-284.	2.3	17
57	The Glutamatergic Neurons in the Spinal Cord of the Sea Lamprey: An In Situ Hybridization and Immunohistochemical Study. <i>PLoS ONE</i> , 2012, 7, e47898.	2.5	16
58	Serotonin 1A receptor (5-HT1A) of the sea lamprey: cDNA cloning and expression in the central nervous system. <i>Brain Structure and Function</i> , 2013, 218, 1317-1335.	2.3	16
59	Gamma-aminobutyric acid (GABA) promotes recovery from spinal cord injury in lampreys: role of GABA receptors and perspective on the translation to mammals. <i>Neural Regeneration Research</i> , 2019, 14, 1695.	3.0	16
60	Anatomical recovery of the GABAergic system after a complete spinal cord injury in lampreys. <i>Neuropharmacology</i> , 2018, 131, 389-402.	4.1	15
61	The origin of trochlear motoneurons in the larval sea lamprey, <i>Petromyzon marinus</i> L. An HRP study. <i>Neuroscience Letters</i> , 1992, 138, 19-22.	2.1	14
62	Serotonin inhibits axonal regeneration of identifiable descending neurons after a complete spinal cord injury in lampreys. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	2.4	14
63	Chemoarchitecture of the dorsal column nucleus of the larval sea lamprey. <i>Brain Research Bulletin</i> , 2005, 66, 536-540.	3.0	13
64	Identification of three somatostatin genes in lampreys. <i>General and Comparative Endocrinology</i> , 2016, 237, 89-97.	1.8	13
65	Inhibition of Gamma-Secretase Promotes Axon Regeneration After a Complete Spinal Cord Injury. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 173.	3.7	13
66	A tract-tracing study of the central projections of the mesencephalic nucleus of the trigeminus in the guppy (<i>Lebistes reticulatus</i> , Teleostei), with some observations on the descending trigeminal tract. <i>Brain Research Bulletin</i> , 1997, 42, 111-118.	3.0	11
67	Inhibitory descending rhombencephalic projections in larval sea lamprey. <i>Neuroscience</i> , 2011, 194, 1-10.	2.3	11
68	Cloning of the GABAB Receptor Subunits B1 and B2 and their Expression in the Central Nervous System of the Adult Sea Lamprey. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 118.	1.7	11
69	Data on the effect of a muscimol treatment in caspase activation in descending neurons of lampreys after a complete spinal cord injury. <i>Data in Brief</i> , 2018, 21, 2037-2041.	1.0	11
70	Reelin immunoreactivity in the adult sea lamprey brain. <i>Journal of Chemical Neuroanatomy</i> , 2004, 27, 7-21.	2.1	10
71	A vesicular glutamate transporter in lampreys: cDNA cloning and early expression in the nervous system. <i>Journal of Chemical Neuroanatomy</i> , 2010, 40, 71-81.	2.1	10
72	Galanin in an Agnathan: Precursor Identification and Localisation of Expression in the Brain of the Sea Lamprey <i>Petromyzon marinus</i> . <i>Frontiers in Neuroanatomy</i> , 2019, 13, 83.	1.7	10

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73	Serotonin controls axon and neuronal regeneration in the nervous system: lessons from regenerating animal models. <i>Neural Regeneration Research</i> , 2018, 13, 237.	3.0	10
74	Aspartate immunoreactivity in the telencephalon of the adult sea lamprey: Comparison with GABA immunoreactivity. <i>Brain Research Bulletin</i> , 2008, 75, 246-250.	3.0	9
75	Differential expression of five prosomatostatin genes in the central nervous system of the catshark <i>Scyliorhinus canicula</i> . <i>Journal of Comparative Neurology</i> , 2020, 528, 2333-2360.	1.6	9
76	Dâ€šerine is distributed in neurons in the brain of the sea lamprey. <i>Journal of Comparative Neurology</i> , 2010, 518, 1688-1710.	1.6	8
77	Tryptophan hydroxylase and serotonin receptor 1A expression in the retina of the sea lamprey. <i>Experimental Eye Research</i> , 2015, 135, 81-87.	2.6	8
78	Restricted coâ€šlocalization of glutamate and dopamine in neurons of the adult sea lamprey brain. <i>Journal of Anatomy</i> , 2017, 231, 776-784.	1.5	8
79	Early Development of the Cranial Nerves in a Primitive Vertebrate, the Sea Lamprey, <i>Petromyzon Marinus</i> L.~!2008-08-19~!2008-09-30~!2008-10-24~!. <i>The Open Zoology Journal</i> , 2010, 1, 37-43.	0.4	8
80	The tegmental proliferation region in the sea lamprey. <i>Brain Research Bulletin</i> , 2005, 66, 431-435.	3.0	7
81	A monoclonal antibody as a tool to study the subcommissural organ and Reissner's fibre of the sea lamprey: An immunofluorescence study before and after a spinal cord transection. <i>Neuroscience Letters</i> , 2009, 464, 34-38.	2.1	7
82	Spatiotemporal Pattern of Doublecortin Expression in the Retina of the Sea Lamprey. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 5.	1.7	7
83	Differential expression of somatostatin genes in the central nervous system of the sea lamprey. <i>Brain Structure and Function</i> , 2021, 226, 1031-1052.	2.3	6
84	Doublecortin is expressed in trigeminal motoneurons that innervate the velar musculature of lampreys: considerations on the evolution and development of the trigeminal system. <i>Evolution & Development</i> , 2011, 13, 149-158.	2.0	5
85	Aspartateâ€šcontaining neurons of the brainstem and rostral spinal cord of the sea lamprey <i>Petromyzon marinus</i> : Distribution and comparison with ¹³ â€šaminobutyric acid. <i>Journal of Comparative Neurology</i> , 2014, 522, 1209-1231.	1.6	5
86	Data on the recovery of glycinergic neurons after spinal cord injury in lampreys. <i>Data in Brief</i> , 2020, 28, 105092.	1.0	3
87	Expression of Kisspeptin 1 in the Brain of the Adult Sea Lamprey <i>Petromyzon marinus</i> . <i>Life</i> , 2021, 11, 1174.	2.4	3
88	Data on the Quantification of Aspartate, GABA and Glutamine Levels in the Spinal Cord of Larval Sea Lampreys after a Complete Spinal Cord Injury. <i>Data</i> , 2021, 6, 54.	2.3	1