MarÃ-a Celina Rodicio

List of Publications by Year
in descending order

88	2,488	218677	254184
papers	citations	26 h-index	43 g-index

97	97	97	2022
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential expression of somatostatin genes in the central nervous system of the sea lamprey. Brain Structure and Function, 2021, 226, 1031-1052.	2.3	6
2	Data on the Quantification of Aspartate, GABA and Glutamine Levels in the Spinal Cord of Larval Sea Lampreys after a Complete Spinal Cord Injury. Data, 2021, 6, 54.	2.3	1
3	Expression of Kisspeptin 1 in the Brain of the Adult Sea Lamprey Petromyzon marinus. Life, 2021, 11, 1174.	2.4	3
4	Taurine Promotes Axonal Regeneration after a Complete Spinal Cord Injury in Lampreys. Journal of Neurotrauma, 2020, 37, 899-903.	3.4	19
5	Data on the recovery of glycinergic neurons after spinal cord injury in lampreys. Data in Brief, 2020, 28, 105092.	1.0	3
6	Cholecystokinin in the central nervous system of the sea lamprey Petromyzon marinus: precursor identification and neuroanatomical relationships with other neuronal signalling systems. Brain Structure and Function, 2020, 225, 249-284.	2.3	17
7	Differential expression of five prosomatostatin genes in the central nervous system of the catshark <scp>Scyliorhinus canicula</scp>. Journal of Comparative Neurology, 2020, 528, 2333-2360.	1.6	9
8	Inhibition of Gamma-Secretase Promotes Axon Regeneration After a Complete Spinal Cord Injury. Frontiers in Cell and Developmental Biology, 2020, 8, 173.	3.7	13
9	Galanin in an Agnathan: Precursor Identification and Localisation of Expression in the Brain of the Sea Lamprey Petromyzon marinus. Frontiers in Neuroanatomy, 2019, 13, 83.	1.7	10
10	Serotonin inhibits axonal regeneration of identifiable descending neurons after a complete spinal cord injury in lampreys. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	14
11	Gamma-aminobutyric acid (GABA) promotes recovery from spinal cord injury in lampreys: role of GABA receptors and perspective on the translation to mammals. Neural Regeneration Research, 2019, 14, 1695.	3.0	16
12	Anatomical recovery of the GABAergic system after a complete spinal cord injury in lampreys. Neuropharmacology, 2018, 131, 389-402.	4.1	15
13	Data on the effect of a muscimol treatment in caspase activation in descending neurons of lampreys after a complete spinal cord injury. Data in Brief, 2018, 21, 2037-2041.	1.0	11
14	GABA promotes survival and axonal regeneration in identifiable descending neurons after spinal cord injury in larval lampreys. Cell Death and Disease, 2018, 9, 663.	6.3	40
15	Serotonin controls axon and neuronal regeneration in the nervous system: lessons from regenerating animal models. Neural Regeneration Research, 2018, 13, 237.	3.0	10
16	Restricted coâ€localization of glutamate and dopamine in neurons of the adult sea lamprey brain. Journal of Anatomy, 2017, 231, 776-784.	1.5	8
17	Spatiotemporal Pattern of Doublecortin Expression in the Retina of the Sea Lamprey. Frontiers in Neuroanatomy, 2016, 10, 5.	1.7	7
18	Cloning of the GABAB Receptor Subunits B1 and B2 and their Expression in the Central Nervous System of the Adult Sea Lamprey. Frontiers in Neuroanatomy, 2016, 10, 118.	1.7	11

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19	Identification of three somatostatin genes in lampreys. General and Comparative Endocrinology, 2016, 237, 89-97.	1.8	13
20	Anatomical recovery of the spinal glutamatergic system following a complete spinal cord injury in lampreys. Scientific Reports, 2016, 6, 37786.	3.3	19
21	Full Anatomical Recovery of the Dopaminergic System after a Complete Spinal Cord Injury in Lampreys. Neural Plasticity, 2015, 2015, 1-10.	2.2	18
22	Tryptophan hydroxylase and serotonin receptor 1A expression in the retina of the sea lamprey. Experimental Eye Research, 2015, 135, 81-87.	2.6	8
23	The ancestral role of nodal signalling in breaking L/R symmetry in the vertebrate forebrain. Nature Communications, 2015, 6, 6686.	12.8	32
24	Neuronal release and successful astrocyte uptake of aminoacidergic neurotransmitters after spinal cord injury in lampreys. Glia, 2014, 62, 1254-1269.	4.9	26
25	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
26	Aspartateâ€‹containing neurons of the brainstem and rostral spinal cord of the sea lamprey Petromyzon marinus: Distribution and comparison with Î³â€‹aminobutyric acid. Journal of Comparative Neurology, 2014, 522, 1209-1231.	1.6	5
27	Serotonin 1A receptor (5-HT1A) of the sea lamprey: cDNA cloning and expression in the central nervous system. Brain Structure and Function, 2013, 218, 1317-1335.	2.3	16
28	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
29	Distribution of glycinergic neurons in the brain of glycine transporterâ€‹2 transgenic Tg(glyt2:Gfp) adult zebrafish: Relationship to brainâ€“spinal descending systems. Journal of Comparative Neurology, 2013, 521, 389-425.	1.6	25
30	Glutamatergic neuronal populations in the brainstem of the sea lamprey, Petromyzon marinus: An in situ hybridization and immunocytochemical study. Journal of Comparative Neurology, 2013, 521, 522-557.	1.6	24
31	Detection methods for microRNAs in clinic practice. Clinical Biochemistry, 2013, 46, 869-878.	1.9	125
32	The Glutamatergic Neurons in the Spinal Cord of the Sea Lamprey: An In Situ Hybridization and Immunohistochemical Study. PLoS ONE, 2012, 7, e47898.	2.5	16
33	Spontaneous Regeneration of the Serotonergic Descending Innervation in the Sea Lamprey after Spinal Cord Injury. Journal of Neurotrauma, 2011, 28, 2535-2540.	3.4	26
34	Retinotopy of visual projections to the optic tectum and pretectum in larval sea lamprey. Experimental Eye Research, 2011, 92, 274-281.	2.6	18
35	Inhibitory descending rhombencephalic projections in larval sea lamprey. Neuroscience, 2011, 194, 1-10.	2.3	11
36	Doublecortin is expressed in trigeminal motoneurons that innervate the velar musculature of lampreys: considerations on the evolution and development of the trigeminal system. Evolution & Development, 2011, 13, 149-158.	2.0	5

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37	Glutamatergic neuronal populations in the forebrain of the sea lamprey, Petromyzon marinus: An in situ hybridization and immunocytochemical study. Journal of Comparative Neurology, 2011, 519, 1712-1735.	1.6	30
38	Analytical aspects of microRNA in diagnostics: A review. Analytica Chimica Acta, 2011, 699, 134-152.	5.4	229
39	Dâ€serine is distributed in neurons in the brain of the sea lamprey. Journal of Comparative Neurology, 2010, 518, 1688-1710.	1.6	8
40	Rapid in situ codetection of noncoding RNAs and proteins in cells and formalin-fixed paraffin-embedded tissue sections without protease treatment. Nature Protocols, 2010, 5, 1061-1073.	12.0	134
41	The Gustatory System of Lampreys. Brain, Behavior and Evolution, 2010, 75, 241-250.	1.7	25
42	A vesicular glutamate transporter in lampreys: cDNA cloning and early expression in the nervous system. Journal of Chemical Neuroanatomy, 2010, 40, 71-81.	2.1	10
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	The sea lamprey tyrosine hydroxylase: cDNA cloning and in situ hybridization study in the brain. Neuroscience, 2010, 168, 659-669.	2.3	25
45	Early Development of the Cranial Nerves in a Primitive Vertebrate, the Sea Lamprey, Petromyzon Marinus L.~!2008-08-19~!2008-09-30~!2008-10-24~!. The Open Zoology Journal, 2010, 1, 37-43.	0.4	8
46	Biochemical and genetic evidence for a role of IGHMBP2 in the translational machinery. Human Molecular Genetics, 2009, 18, 2115-2126.	2.9	61
47	Extensive presence of serotonergic cells and fibers in the peripheral nervous system of lampreys. Journal of Comparative Neurology, 2009, 512, 478-499.	1.6	17
48	Development of glycine immunoreactivity in the brain of the sea lamprey: Comparison with Î³â€aminobutyric acid immunoreactivity. Journal of Comparative Neurology, 2009, 512, 747-767.	1.6	21
49	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. Journal of Anatomy, 2009, 215, 435-443.	1.5	25
50	Dopamine and Î³â€aminobutyric acid are colocalized in restricted groups of neurons in the sea lamprey brain: insights into the early evolution of neurotransmitter colocalization in vertebrates. Journal of Anatomy, 2009, 215, 601-610.	1.5	31
51	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. Neuroscience Letters, 2009, 464, 34-38.	2.1	7
52	Distribution of glycine immunoreactivity in the brain of adult sea lamprey (Petromyzon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td 1441-1463.	1.6	39
53	Glycineâ€immunoreactive neurons in the developing spinal cord of the sea lamprey: Comparison with the Î³â€aminobutyric acidergic system. Journal of Comparative Neurology, 2008, 508, 112-130.	1.6	25
54	Neurochemical characterization of sea lamprey taste buds and afferent gustatory fibers: Presence of serotonin, calretinin, and CGRP immunoreactivity in taste bud biâ€ciliated cells of the earliest vertebrates. Journal of Comparative Neurology, 2008, 511, 438-453.	1.6	39

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55	Descending brainâ€spinal cord projections in a primitive vertebrate, the lamprey: Cerebrospinal fluidâ€contacting and dopaminergic neurons. Journal of Comparative Neurology, 2008, 511, 711-723.	1.6	37
56	Late proliferation and photoreceptor differentiation in the transforming lamprey retina. Brain Research, 2008, 1201, 60-67.	2.2	28
57	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
58	Development and organization of the descending serotonergic brainstemâ€“spinal projections in the sea lamprey. Journal of Chemical Neuroanatomy, 2008, 36, 77-84.	2.1	25
59	The early scaffold of axon tracts in the brain of a primitive vertebrate, the sea lamprey. Brain Research Bulletin, 2008, 75, 42-52.	3.0	33
60	Aspartate immunoreactivity in the telencephalon of the adult sea lamprey: Comparison with GABA immunoreactivity. Brain Research Bulletin, 2008, 75, 246-250.	3.0	9
61	Colocalization of dopamine and GABA in spinal cord neurones in the sea lamprey. Brain Research Bulletin, 2008, 76, 45-49.	3.0	28
62	Development of the serotonergic system in the central nervous system of the sea lamprey. Journal of Chemical Neuroanatomy, 2007, 34, 29-46.	2.1	40
63	Calbindin and calretinin immunoreactivity in the retina of adult and larval sea lamprey. Brain Research, 2006, 1068, 118-130.	2.2	35
64	Cell proliferation in the forebrain and midbrain of the sea lamprey. Journal of Comparative Neurology, 2006, 494, 986-1006.	1.6	35
65	Presence of glutamate, glycine, and Î³-aminobutyric acid in the retina of the larval sea lamprey: Comparative immunohistochemical study of classical neurotransmitters in larval and postmetamorphic retinas. Journal of Comparative Neurology, 2006, 499, 810-827.	1.6	67
66	Chemoarchitecture of the dorsal column nucleus of the larval sea lamprey. Brain Research Bulletin, 2005, 66, 536-540.	3.0	13
67	The tegmental proliferation region in the sea lamprey. Brain Research Bulletin, 2005, 66, 431-435.	3.0	7
68	Development of the dopamine-immunoreactive system in the central nervous system of the sea lamprey. Brain Research Bulletin, 2005, 66, 560-564.	3.0	29
69	Reelin immunoreactivity in the adult sea lamprey brain. Journal of Chemical Neuroanatomy, 2004, 27, 7-21.	2.1	10
70	Choline acetyltransferase-immunoreactive neurons in the retina of adult and developing lampreys. Brain Research, 2003, 993, 154-163.	2.2	23
71	Ontogeny of Î³-aminobutyric acid-immunoreactive neurons in the rhombencephalon and spinal cord of the sea lamprey. Journal of Comparative Neurology, 2003, 464, 17-35.	1.6	51
72	Reelin immunoreactivity in the larval sea lamprey brain. Journal of Chemical Neuroanatomy, 2002, 23, 211-221.	2.1	27

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73	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
74	Early development of the retina and pineal complex in the sea lamprey: Comparative immunocytochemical study. Journal of Comparative Neurology, 2002, 442, 250-265.	1.6	56
75	Ontogeny of Î³â€aminobutyric acidâ€immunoreactive neuronal populations in the forebrain and midbrain of the sea lamprey. Journal of Comparative Neurology, 2002, 446, 360-376.	1.6	81
76	GABA immunoreactivity in the olfactory bulbs of the adult sea lamprey Petromyzon marinus L. Brain Research, 2001, 893, 253-260.	2.2	31
77	GABA-immunoreactive internuclear neurons in the ocular motor system of lampreys. Brain Research, 2000, 855, 150-157.	2.2	20
78	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
79	Internuclear neurons of the ocular motor system of the larval sea lamprey. , 1998, 401, 1-15.		17
80	A tract-tracing study of the central projections of the mesencephalic nucleus of the trigeminus in the guppy (Lebistes reticulatus, Teleostei), with some observations on the descending trigeminal tract. Brain Research Bulletin, 1997, 42, 111-118.	3.0	11
81	Secondary vestibulo-oculomotor projections in larval sea lamprey: Anterior octavomotor nucleus. Journal of Comparative Neurology, 1996, 372, 568-580.	1.6	22
82	Early development and organization of the retinopetal system in the larval sea lamprey, Petromyzon marinus L.. Anatomy and Embryology, 1995, 192, 517-26.	1.5	31
83	Marginal Cells in the Spinal Cord of Four Elasmobranchs(Torpedo marmorata, T. torpedo, Raja) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Receptor Neurons. European Journal of Neuroscience, 1995, 7, 934-943.	2.6	20
84	Development and organization of the ocular motor nuclei in the larval sea lamprey, Petromyzon marinus L.: An HRP study. Journal of Comparative Neurology, 1994, 341, 393-406.	1.6	31
85	The origin of trochlear motoneurons in the larval sea lamprey, Petromyzon marinus L. An HRP study. Neuroscience Letters, 1992, 138, 19-22.	2.1	14
86	Organization of the visual system in larval lampreys: An HRP study. Journal of Comparative Neurology, 1990, 302, 529-542.	1.6	69
87	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. Journal of Comparative Neurology, 1989, 283, 602-610.	1.6	32
88	Ganglion cells and retinopetal fibers of the larval lamprey retina: An HRP ultrastructural study. Neuroscience Letters, 1989, 106, 1-6.	2.1	48