Elisa Marti Ì•

List of Publications by Year
in descending order

58 papers	5,049 citations	136885 32 h-index	143943 57 g-index
65 all docs	65 docs citations	65 times ranked	6213 citing authors

#	Article	IF	Citations
1	Plastic Accumulation in the Mediterranean Sea. PLoS ONE, 2015, 10, e0121762.	1.1	553
2	Requirement of 19K form of Sonic hedgehog for induction of distinct ventral cell types in CNS explants. Nature, 1995, 375, 322-325.	13.7	463
3	The Arctic Ocean as a dead end for floating plastics in the North Atlantic branch of the Thermohaline Circulation. Science Advances, 2017, 3, e1600582.	4.7	417
4	Ontogeny of peptide- and amine-containing neurones in motor, sensory, and autonomic regions of rat and human spinal cord, dorsal root ganglia, and rat skin. Journal of Comparative Neurology, 1987, 266, 332-359.	0.9	250
5	Changes in the Floating Plastic Pollution of the Mediterranean Sea in Relation to the Distance to Land. PLoS ONE, 2016, 11, e0161581.	1.1	237
6	Sonic hedgehog in CNS development: one signal, multiple outputs. Trends in Neurosciences, 2002, 25, 89-96.	4.2	233
7	Fine tuning the extracellular environment accelerates the derivation of kidney organoids from human pluripotent stem cells. Nature Materials, 2019, 18, 397-405.	13.3	201
8	Distinct Sonic Hedgehog signaling dynamics specify floor plate and ventral neuronal progenitors in the vertebrate neural tube. Genes and Development, 2010, 24, 1186-1200.	2.7	180
9	Wnt canonical pathway restricts graded Shh/Gli patterning activity through the regulation of Gli3 expression. Development (Cambridge), 2008, 135, 237-247.	1.2	170
10	The Sonic hedgehog pathway independently controls the patterning,proliferation and survival of neuroepithelial cells by regulating Gli activity. Development (Cambridge), 2006, 133, 517-528.	1.2	164
11	Dorsalâ€“ventral patterning of the neural tube: A tale of three signals. Developmental Neurobiology, 2012, 72, 1471-1481.	1.5	159
12	The Colors of the Ocean Plastics. Environmental Science & Technology, 2020, 54, 6594-6601.	4.6	136
13	Bmp2 antagonizes sonic hedgehog-mediated proliferation of cerebellar granule neurones through Smad5 signalling. Development (Cambridge), 2004, 131, 3159-3168.	1.2	130
14	Wnt won the war: Antagonistic role of Wnt over Shh controls dorsoâ€ventral patterning of the vertebrate neural tube. Developmental Dynamics, 2010, 239, 69-76.	0.8	130
15	Leader Cells Define Directionality of Trunk, but Not Cranial, Neural Crest Cell Migration. Cell Reports, 2016, 15, 2076-2088.	2.9	100
16	Sonic Hedgehog Signaling Switches the Mode of Division in the Developing Nervous System. Cell Reports, 2013, 4, 492-503.	2.9	93
17	Foxj1 regulates floor plate cilia architecture and modifies the response of cells to sonic hedgehog signalling. Development (Cambridge), 2010, 137, 4271-4282.	1.2	86
18	H3K27me3 regulates BMP activity in developing spinal cord. Development (Cambridge), 2010, 137, 2915-2925.	1.2	84

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19	Canonical BMP7 activity is required for the generation of discrete neuronal populations in the dorsal spinal cord. Development (Cambridge), 2012, 139, 259-268.	1.2	76
20	Neurotrophin-3 Antibodies Disrupt the Normal Development of the Chick Retina. Journal of Neuroscience, 1996, 16, 4402-4410.	1.7	68
21	Hedgehog activation is required upstream of Wnt signalling to control neural progenitor proliferation. Development (Cambridge), 2009, 136, 3301-3309.	1.2	64
22	Distribution of neuropeptide Y-like immunoreactivity in the brain of the lizardGallotia galloti. Journal of Comparative Neurology, 1992, 319, 387-405.	0.9	62
23	Temporal control of BMP signalling determines neuronal subtype identity in the dorsal neural tube. Development (Cambridge), 2013, 140, 1467-1474.	1.2	61
24	The TGFÎ² intracellular effector Smad3 regulates neuronal differentiation and cell fate specification in the developing spinal cord. Development (Cambridge), 2007, 134, 65-75.	1.2	58
25	Expression of the Î²-subunit isoforms of the Na, K-ATpase in rat embryo tissues, inner ear and choroid plexus. Biology of the Cell, 1994, 81, 215-222.	0.7	57
26	Morphogens in motion: Growth control of the neural tube. Journal of Neurobiology, 2005, 64, 376-387.	3.7	50
27	Modulation of Early but Not Later Stages of Programmed Cell Death in Embryonic Avian Spinal Cord by Sonic Hedgehog. Molecular and Cellular Neurosciences, 1999, 13, 348-361.	1.0	49
28	Low Abundance of Plastic Fragments in the Surface Waters of the Red Sea. Frontiers in Marine Science, 2017, 4, .	1.2	43
29	The multiple activities of BMPs during spinal cord development. Cellular and Molecular Life Sciences, 2013, 70, 4293-4305.	2.4	41
30	Evolutionary recruitment of flexible Esrp-dependent splicing programs into diverse embryonic morphogenetic processes. Nature Communications, 2017, 8, 1799.	5.8	40
31	The strength of SMAD1/5 activity determines the mode of stem cell division in the developing spinal cord. Journal of Cell Biology, 2014, 204, 591-605.	2.3	39
32	Delamination of neural crest cells requires transient and reversible Wnt inhibition mediated by DACT1/2. Development (Cambridge), 2016, 143, 2194-205.	1.2	39
33	Shh-mediated centrosomal recruitment of PKA promotes symmetric proliferative neuroepithelial cellÂdivision. Nature Cell Biology, 2017, 19, 493-503.	4.6	39
34	Chimeric tRNAs as tools to induce proteome damage and identify components of stress responses. Nucleic Acids Research, 2010, 38, e30-e30.	6.5	38
35	Jagged2 controls the generation of motor neuron and oligodendrocyte progenitors in the ventral spinal cord. Cell Death and Differentiation, 2012, 19, 209-219.	5.0	37
36	Developmentally regulated vitronectin influences cell differentiation, neuron survival and process outgrowth in the developing chicken retina. Neuroscience, 1995, 68, 245-253.	1.1	33

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37	LMO4 is an Essential Cofactor in the Snail2-Mediated Epithelial-to-Mesenchymal Transition of Neuroblastoma and Neural Crest Cells. Journal of Neuroscience, 2013, 33, 2773-2783.	1.7	33
38	A centrosomal view of CNS growth. Development (Cambridge), 2018, 145, .	1.2	33
39	Carnosine, nerve growth factor receptor and tyrosine hydroxylase expression during the ontogeny of the rat olfactory system. Journal of Chemical Neuroanatomy, 1992, 5, 51-62.	1.0	29
40	Neural stem cells: the need for a proper orientation. Current Opinion in Genetics and Development, 2010, 20, 438-442.	1.5	28
41	Smad2 and Smad3 cooperate and antagonize simultaneously in vertebrate neurogenesis. Journal of Cell Science, 2013, 126, 5335-43.	1.2	27
42	Sustained Wnt/Î²-catenin signalling causes neuroepithelial aberrations through the accumulation of aPKC at the apical pole. Nature Communications, 2014, 5, 4168.	5.8	27
43	E proteins sharpen neurogenesis by modulating proneural bHLH transcription factorsâ€™ activity in an E-box-dependent manner. ELife, 2018, 7, .	2.8	25
44	Centrosome maturation â€“ in tune with the cell cycle. Journal of Cell Science, 2022, 135, .	1.2	21
45	Multimerization of Zika Virus-NS5 Causes Ciliopathy and Forces Premature Neurogenesis. Cell Stem Cell, 2020, 27, 920-936.e8.	5.2	18
46	Carnosine in the brain and olfactory system of amphibia and reptilia: A comparative study using immunocytochemical and biochemical methods. Neuroscience Letters, 1991, 130, 182-186.	1.0	17
47	Cell intercalation driven by SMAD3 underlies secondary neural tube formation. Developmental Cell, 2021, 56, 1147-1163.e6.	3.1	17
48	Expression of chick BMP-1/Tolloid during patterning of the neural tube and somites. Mechanisms of Development, 2000, 91, 415-419.	1.7	16
49	Identification of a putative transcriptome signature common to neuroblastoma and neural crest cells. Developmental Neurobiology, 2013, 73, 815-827.	1.5	14
50	NEUROPEPTIDE Y M-RNA AND PEPTIDE ARE TRANSIENTLY EXPRESSED IN THE DEVELOPING RAT SPINAL CORD. NeuroReport, 1992, 3, 401-404.	0.6	12
51	Function of Armcx3 and Armc10/SVH Genes in the Regulation of Progenitor Proliferation and Neural Differentiation in the Chicken Spinal Cord. Frontiers in Cellular Neuroscience, 2016, 10, 47.	1.8	12
52	A SMAD1/5-YAP signaling module drives radial glia self-amplification and growth of the developing cerebral cortex. Development (Cambridge), 2020, 147, .	1.2	12
53	A transient immunoglobulin-like reactivity in the developing cerebral cortex of rodents. NeuroReport, 1992, 3, 881-884.	0.6	11
54	Introduction: Unexpected roles for morphogens in the development and regeneration of the CNS. Journal of Neurobiology, 2005, 64, 321-323.	3.7	4

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55	In Vivo Analysis of the Mesenchymal-to-Epithelial Transition During Chick Secondary Neurulation. Methods in Molecular Biology, 2021, 2179, 183-197.	0.4	4
56	Introduction to the special section: Spinal Cord a model to understand CNS development and regeneration. Developmental Biology, 2017, 432, 1-2.	0.9	2
57	H3K27me3 regulates BMP activity in developing spinal cord. Journal of Cell Science, 2010, 123, e1-e1.	1.2	2
58	Smad2 and Smad3 cooperate and antagonize simultaneously in vertebrate neurogenesis. Development (Cambridge), 2014, 141, e107-e107.	1.2	0