

Elia Benito-Gutiérrez

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,939
citations

566801

15
h-index

713013

21
g-index

26
all docs

26
docs citations

26
times ranked

3256
citing authors

#	ARTICLE	IF	CITATIONS
1	The amphioxus genome and the evolution of the chordate karyotype. <i>Nature</i> , 2008, 453, 1064-1071.	13.7	1,496
2	The amphioxus genome illuminates vertebrate origins and cephalochordate biology. <i>Genome Research</i> , 2008, 18, 1100-1111.	2.4	456
3	Amphioxus functional genomics and the origins of vertebrate gene regulation. <i>Nature</i> , 2018, 564, 64-70.	13.7	224
4	Molecular analysis of the amphioxus frontal eye unravels the evolutionary origin of the retina and pigment cells of the vertebrate eye. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15383-15388.	3.3	115
5	Insights into spawning behavior and development of the european amphioxus (<i>Branchiostoma</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 308B, 484-493.	0.6	103
6	Preliminary observations on the spawning conditions of the European amphioxus (<i>Branchiostoma</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	78
7	Gastric pouches and the mucociliary sole: setting the stage for nervous system evolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20150286.	1.8	72
8	The single AmphiTrk receptor highlights increased complexity of neurotrophin signalling in vertebrates and suggests an early role in developing sensory neuroepidermal cells. <i>Development (Cambridge)</i> , 2005, 132, 2191-2202.	1.2	63
9	Mirnov: genome-free prediction of microRNAs from small RNA sequencing data and single-cells using decision forests. <i>Nucleic Acids Research</i> , 2017, 45, e177-e177.	6.5	54
10	Origin and evolution of the Trk family of neurotrophic receptors. <i>Molecular and Cellular Neurosciences</i> , 2006, 31, 179-192.	1.0	47
11	Isolation of AmphiCASP-3/7, an ancestral caspase from amphioxus (<i>Branchiostoma floridae</i>). Evolutionary considerations for vertebrate caspases. <i>Cell Death and Differentiation</i> , 2002, 9, 1078-1089.	5.0	39
12	It's a long way from amphioxus: descendants of the earliest chordate. <i>BioEssays</i> , 2009, 31, 665-675.	1.2	29
13	CNS Evolution: New Insight from the Mud. <i>Current Biology</i> , 2009, 19, R640-R642.	1.8	24
14	Single-cell morphometrics reveals ancestral principles of notochord development. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	22
15	Outlining the nascent nervous system of <i>Branchiostoma floridae</i> (amphioxus) by the pan-neural marker AmphiElav. <i>Brain Research Bulletin</i> , 2005, 66, 518-521.	1.4	21
16	A gene catalogue of the amphioxus nervous system. <i>International Journal of Biological Sciences</i> , 2006, 2, 149-160.	2.6	21
17	Methods for Generating Year-Round Access to Amphioxus in the Laboratory. <i>PLoS ONE</i> , 2013, 8, e71599.	1.1	21
18	The dorsoanterior brain of adult amphioxus shares similarities in expression profile and neuronal composition with the vertebrate telencephalon. <i>BMC Biology</i> , 2021, 19, 110.	1.7	16

#	ARTICLE	IF	CITATIONS
19	From the American to the European amphioxus: towards experimental Evo-Devo at the origin of chordates. <i>International Journal of Developmental Biology</i> , 2009, 53, 1359-1366.	0.3	11
20	Hybridization Chain Reaction for Quantitative and Multiplex Imaging of Gene Expression in Amphioxus Embryos and Adult Tissues. <i>Methods in Molecular Biology</i> , 2020, 2148, 179-194.	0.4	8
21	The ADAR Family in Amphioxus: RNA Editing and Conserved Orthologous Site Predictions. <i>Genes</i> , 2020, 11, 1440.	1.0	5
22	Restricted Proliferation During Neurogenesis Contributes to Regionalisation of the Amphioxus Nervous System. <i>Frontiers in Neuroscience</i> , 2022, 16, 812223.	1.4	1