

# Elia Benito-Gutierrez

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

2,383  
citations

16  
h-index

26  
g-index

26  
ext. papers

2,724  
ext. citations

10.4  
avg, IF

3.78  
L-index

#	Paper	IF	Citations
25	The amphioxus genome and the evolution of the chordate karyotype. <i>Nature</i> , <b>2008</b> , 453, 1064-71	50.4	1266
24	The amphioxus genome illuminates vertebrate origins and cephalochordate biology. <i>Genome Research</i> , <b>2008</b> , 18, 1100-11	9.7	387
23	Amphioxus functional genomics and the origins of vertebrate gene regulation. <i>Nature</i> , <b>2018</b> , 564, 64-70	50.4	120
22	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> , <b>2012</b> , 109, 15383-8	11.5	100
21	Insights into spawning behavior and development of the European amphioxus ( <i>Branchiostoma lanceolatum</i> ). <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , <b>2007</b> , 308, 484-93	1.8	85
20	Preliminary observations on the spawning conditions of the European amphioxus ( <i>Branchiostoma lanceolatum</i> ) in captivity. <i>The Journal of Experimental Zoology</i> , <b>2004</b> , 302, 384-91		66
19	Gastric pouches and the mucociliary sole: setting the stage for nervous system evolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 370,	5.8	58
18	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> , <b>2005</b> , 132, 2191-202	6.6	53
17	Origin and evolution of the Trk family of neurotrophic receptors. <i>Molecular and Cellular Neurosciences</i> , <b>2006</b> , 31, 179-92	4.8	41
16	Mirnova: genome-free prediction of microRNAs from small RNA sequencing data and single-cells using decision forests. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, e177	20.1	35
15	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> , <b>2002</b> , 9, 1078-89	12.7	35
14	It's a long way from amphioxus: descendants of the earliest chordate. <i>BioEssays</i> , <b>2009</b> , 31, 665-75	4.1	24
13	CNS evolution: new insight from the mud. <i>Current Biology</i> , <b>2009</b> , 19, R640-2	6.3	22
12	Outlining the nascent nervous system of <i>Branchiostoma floridae</i> (amphioxus) by the pan-neural marker AmphiElav. <i>Brain Research Bulletin</i> , <b>2005</b> , 66, 518-21	3.9	19
11	A gene catalogue of the amphioxus nervous system. <i>International Journal of Biological Sciences</i> , <b>2006</b> , 2, 149-60	11.2	16
10	Methods for generating year-round access to amphioxus in the laboratory. <i>PLoS ONE</i> , <b>2013</b> , 8, e71599	3.7	16
9	From the American to the European amphioxus: towards experimental Evo-Devo at the origin of chordates. <i>International Journal of Developmental Biology</i> , <b>2009</b> , 53, 1359-66	1.9	11

8	Patterning of a telencephalon-like region in the adult brain of amphioxus		7
7	The dorsoanterior brain of adult amphioxus shares similarities in expression profile and neuronal composition with the vertebrate telencephalon. <i>BMC Biology</i> , <b>2021</b> , 19, 110	7.3	6
6	Single-cell morphometrics reveals ancestral principles of notochord development. <i>Development (Cambridge)</i> , <b>2021</b> , 148,	6.6	5
5	Hybridization Chain Reaction for Quantitative and Multiplex Imaging of Gene Expression in Amphioxus Embryos and Adult Tissues. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2148, 179-194	1.4	5
4	Amphioxus as a Model for Mechanisms in Vertebrate Development <b>2011</b> ,		4
3	The ADAR Family in Amphioxus: RNA Editing and Conserved Orthologous Site Predictions. <i>Genes</i> , <b>2020</b> , 11,	4.2	2
2	Restricted proliferation during neurogenesis contributes to regionalization of the amphioxus nervous system		0
1	Restricted Proliferation During Neurogenesis Contributes to Regionalisation of the Amphioxus Nervous System.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 812223	5.1	