Enrique Amaya

List of Publications by Year
in descending order

61 papers	5,619 citations	109321 35 h-index	133252 59 g-index
72 all docs	72 docs citations	72 times ranked	5581 citing authors

#	Article	IF	Citations
1	Expression of a dominant negative mutant of the FGF receptor disrupts mesoderm formation in xenopus embryos. Cell, 1991, 66, 257-270.	28.9	1,102
2	The Genome of the Western Clawed Frog <i>Xenopus tropicalis</i>. Science, 2010, 328, 633-636.	12.6	708
3	Amputation-induced reactive oxygen species are required for successful Xenopus tadpole tail regeneration. Nature Cell Biology, 2013, 15, 222-228.	10.3	416
4	FGF signalling: diverse roles during early vertebrate embryogenesis. Development (Cambridge), 2010, 137, 3731-3742.	2.5	248
5	Techniques and probes for the study ofXenopus tropicalis development. Developmental Dynamics, 2002, 225, 499-510.	1.8	240
6	Local Tissue Interactions across the Dorsal Midline of the Forebrain Establish CNS Laterality. Neuron, 2003, 39, 423-438.	8.1	175
7	Analysis of vertebrate SCL loci identifies conserved enhancers. Nature Biotechnology, 2000, 18, 181-186.	17.5	162
8	Frog genetics: Xenopus tropicalis jumps into the future. Trends in Genetics, 1998, 14, 253-255.	6.7	158
9	A Method for Generating Transgenic Frog Embryos. , 1999, 97, 393-414.		141
10	Xenopus Sprouty2 inhibits FGF-mediated gastrulation movements but does not affect mesoderm induction and patterning. Genes and Development, 2001, 15, 1152-1166.	5.9	141
11	Inhibition of FGF Receptor Activity in Retinal Ganglion Cell Axons Causes Errors in Target Recognition. Neuron, 1996, 17, 245-254.	8.1	137
12	FGF Signal Interpretation Is Directed by Sprouty and Spred Proteins during Mesoderm Formation. Developmental Cell, 2005, 8, 689-701.	7.0	132
13	Defining a large set of full-length clones from a Xenopus tropicalis EST project. Developmental Biology, 2004, 271, 498-516.	2.0	111
14	Targeted gene expression in transgenic Xenopus using the binary Gal4-UAS system. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1377-1382.	7.1	98
15	A gene trap approach in Xenopus. Current Biology, 1999, 9, 1195-S1.	3.9	80
16	Comparison of morpholino based translational inhibition during the development ofXenopus laevis andXenopus tropicalis. Genesis, 2001, 30, 110-113.	1.6	78
17	Ca2+-Induced Mitochondrial ROS Regulate the Early Embryonic Cell Cycle. Cell Reports, 2018, 22, 218-231.	6.4	76
18	Genome-wide analysis of gene expression during Xenopus tropicalis tadpole tail regeneration. BMC Developmental Biology, 2011, 11, 70.	2.1	74

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19	A Role for BMP Signalling in Heart Looping Morphogenesis in Xenopus. Developmental Biology, 2001, 232, 191-203.	2.0	71
20	Transgenic Xenopus Embryos Reveal That Anterior Neural Development Requires Continued Suppression of BMP Signaling after Gastrulation. Developmental Biology, 2001, 238, 168-184.	2.0	71
21	A secretory cell type develops alongside multiciliated cells, ionocytes and goblet cells, and provides a protective, anti-infective function in the frog embryonic mucociliary epidermis. Development (Cambridge), 2014, 141, 1514-1525.	2.5	70
22	Highly efficient bi-allelic mutation rates using TALENs in <i>Xenopus tropicalis</i>. Biology Open, 2012, 1, 1273-1276.	1.2	69
23	spib is required for primitive myeloid development in Xenopus. Blood, 2008, 112, 2287-2296.	1.4	63
24	Temporal and spatial expression of FGF ligands and receptors during <i>Xenopus</i> development. Developmental Dynamics, 2009, 238, 1467-1479.	1.8	61
25	Pilot morpholino screen inXenopus tropicalisidentifies a novel gene involved in head development. Developmental Dynamics, 2004, 229, 289-299.	1.8	53
26	pTransgenesis: a cross-species, modular transgenesis resource. Development (Cambridge), 2011, 138, 5451-5458.	2.5	52
27	Germ layer specification and axial patterning in the embryonic development of the freshwater planarian Schmidtea polychroa. Developmental Biology, 2010, 340, 145-158.	2.0	51
28	NAD kinase controls animal NADP biosynthesis and is modulated via evolutionarily divergent calmodulin-dependent mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1386-1391.	7.1	49
29	Fibroblast growth factor receptors contain a conserved HAV region common to cadherins and influenza strain a hemagglutinins: A role in protein-protein interactions?. Developmental Biology, 1992, 152, 411-414.	2.0	47
30	Thyrotropin-Releasing Hormone (TRH) Promotes Wound Re-Epithelialisation in Frog and Human Skin. PLoS ONE, 2013, 8, e73596.	2.5	46
31	Fezf2 promotes neuronal differentiation through localised activation of Wnt/Î²-catenin signalling during forebrain development. Development (Cambridge), 2014, 141, 4794-4805.	2.5	44
32	Carbohydrate metabolism during vertebrate appendage regeneration: What is its role? How is it regulated?. BioEssays, 2014, 36, 27-33.	2.5	43
33	Erk and PI3K temporally coordinate different modes of actin-based motility during embryonic wound healing. Journal of Cell Science, 2013, 126, 5005-17.	2.0	42
34	Xenopus: An in vivo model for imaging the inflammatory response following injury and bacterial infection. Developmental Biology, 2015, 408, 213-228.	2.0	40
35	Model systems for regeneration: <i>Xenopus</i>. Development (Cambridge), 2020, 147, .	2.5	39
36	Xenomics. Genome Research, 2005, 15, 1683-1691.	5.5	38

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37	A Xenopus tropicalis oligonucleotide microarray works across species using RNA from Xenopus laevis. Mechanisms of Development, 2005, 122, 355-363.	1.7	36
38	Characterisation of a new regulator of BDNF signalling, Sprouty3, involved in axonal morphogenesis in vivo. Development (Cambridge), 2010, 137, 4005-4015.	2.5	36
39	Inositol kinase and its product accelerate wound healing by modulating calcium levels, Rho GTPases, and F-actin assembly. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11029-11034.	7.1	35
40	C/EBPÎ± initiates primitive myelopoiesis in pluripotent embryonic cells. Blood, 2009, 114, 40-48.	1.4	31
41	Identification of novel genes affecting mesoderm formation and morphogenesis through an enhanced large scale functional screen in Xenopus. Mechanisms of Development, 2005, 122, 307-331.	1.7	30
42	The cellular and molecular mechanisms of tissue repair and regeneration as revealed by studies in <i>Xenopus</i>. Regeneration (Oxford, England), 2016, 3, 198-208.	6.3	29
43	Novel gene expression domains reveal early patterning of the Xenopus endoderm. Gene Expression Patterns, 2003, 3, 509-519.	0.8	27
44	Expression cloning screening of a unique and full-length set of cDNA clones is an efficient method for identifying genes involved in Xenopus neurogenesis. Mechanisms of Development, 2005, 122, 289-306.	1.7	27
45	Tadpole tail regeneration in <i>Xenopus</i>. Biochemical Society Transactions, 2014, 42, 617-623.	3.4	24
46	Zebrafish<i>duox</i>mutations provide a model for human congenital hypothyroidism. Biology Open, 2019, 8, .	1.2	20
47	1.15 Ã… Crystal structure of theX. tropicalisSpred1 EVH1 domain suggests a fourth distinct peptide-binding mechanism within the EVH1 family. FEBS Letters, 2005, 579, 1161-1166.	2.8	19
48	<i>cis</i>-Regulatory Remodeling of the <i>SCL</i> Locus during Vertebrate Evolution. Molecular and Cellular Biology, 2010, 30, 5741-5751.	2.3	17
49	Maintenance of motor neuron progenitors in Xenopus requires a novel localized cyclin. EMBO Reports, 2007, 8, 287-292.	4.5	10
50	Production of Transgenic Xenopus laevis by Restriction Enzyme Mediated Integration and Nuclear Transplantation. Journal of Visualized Experiments, 2010, , .	0.3	8
51	Reactive oxygen species during heart regeneration in zebrafish: Lessons for future clinical therapies. Wound Repair and Regeneration, 2021, 29, 211-224.	3.0	8
52	A Functional Genome-Wide In Vivo Screen Identifies New Regulators of Signalling Pathways during Early Xenopus Embryogenesis. PLoS ONE, 2013, 8, e79469.	2.5	7
53	UV-induced damage and repair in centromere DNA of yeast. Molecular Genetics and Genomics, 1987, 210, 16-22.	2.4	4
54	Selective Inhibition of Heparan Sulphate and Not Chondroitin Sulphate Biosynthesis by a Small, Soluble Competitive Inhibitor. International Journal of Molecular Sciences, 2021, 22, 6988.	4.1	4

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55	How to Grow <i>Xenopus laevis</i> Tadpole Stages to Adult. Cold Spring Harbor Protocols, 2021, 2021, pdb.prot106245.	0.3	3
56	Assessing Primary Neurogenesis in Xenopus Embryos Using Immunostaining. Journal of Visualized Experiments, 2016, , e53949.	0.3	2
57	Whole-Mount In Situ Hybridization and a Genotyping Method on Single Xenopus Embryos. , 2017, , 41-56.		2
58	Xenopus as a Model Organism for Biomedical Research. , 2017, , 263-290.		2
59	Investigating the Cellular and Molecular Mechanisms of Wound Healing in Xenopus Oocytes and Embryos. Cold Spring Harbor Protocols, 2019, 2019, pdb.prot100982.	0.3	1
60	Seeing is believing. ELife, 2016, 5, .	6.0	1
61	PPIA and YWHAZ Constitute a Stable Pair of Reference Genes during Electrical Stimulation in Mesenchymal Stem Cells. Applied Sciences (Switzerland), 2022, 12, 153.	2.5	1