Juan RamÃ³n MartÃnez-Morales

List of Publications by Year
in descending order

42 papers	2,371 citations	331670 21 h-index	276875 41 g-index
55 all docs	55 docs citations	55 times ranked	2914 citing authors

#	Article	IF	Citations
1	Analysis of gene network bifurcation during optic cup morphogenesis in zebrafish. Nature Communications, 2021, 12, 3866.	12.8	14
2	The <i>Shh</i> / <i>Gli3</i> gene regulatory network precedes the origin of paired fins and reveals the deep homology between distal fins and digits. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
3	Trap-TRAP, a Versatile Tool for Tissue-Specific Translatomics in Zebrafish. Frontiers in Cell and Developmental Biology, 2021, 9, 817191.	3.7	0
4	Genetic developmental timing revealed by inter-species transplantations in fish. Development (Cambridge), 2020, 147, .	2.5	10
5	CRISPR-Cas13d Induces Efficient mRNA Knockdown in Animal Embryos. Developmental Cell, 2020, 54, 805-817.e7.	7.0	134
6	Retina Development in Vertebrates: Systems Biology Approaches to Understanding Genetic Programs. BioEssays, 2020, 42, e1900187.	2.5	17
7	JosÃ© Luis GÃ³mez-Skarmeta (1966-2020). Development (Cambridge), 2020, 147, .	2.5	1
8	Genetics of congenital eye malformations: insights from chick experimental embryology. Human Genetics, 2019, 138, 1001-1006.	3.8	7
9	Yap1b, a divergent Yap/Taz family member, cooperates with yap1 in survival and morphogenesis via common transcriptional targets. Development (Cambridge), 2019, 146, .	2.5	10
10	Stem cell topography splits growth and homeostatic functions in the fish gill. ELife, 2019, 8, .	6.0	16
11	Evolutionary emergence of the <i>rac3b</i> / <i>rfng</i> / <i>sgca</i> regulatory cluster refined mechanisms for hindbrain boundaries formation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3731-E3740.	7.1	26
12	A conserved Shh cis-regulatory module highlights a common developmental origin of unpaired and paired fins. Nature Genetics, 2018, 50, 504-509.	21.4	72
13	Amphioxus functional genomics and the origins of vertebrate gene regulation. Nature, 2018, 564, 64-70.	27.8	224
14	The pigmented epithelium, a bright partner against photoreceptor degeneration. Journal of Neurogenetics, 2017, 31, 203-215.	1.4	16
15	Coordinated Morphogenetic Mechanisms Shape the Vertebrate Eye. Frontiers in Neuroscience, 2017, 11, 721.	2.8	34
16	Vertebrate Eye Evolution. , 2016, , 275-298.		2
17	Vertebrate Eye Gene Regulatory Networks. , 2016, , 259-274.		5
18	Toward understanding the evolution of vertebrate gene regulatory networks: comparative genomics and epigenomic approaches. Briefings in Functional Genomics, 2016, 15, 315-321.	2.7	7

#	Article	IF	Citations
19	Analysis of cellular behavior and cytoskeletal dynamics reveal a constriction mechanism driving optic cup morphogenesis. ELife, 2016, 5, .	6.0	63
20	Sox2, Tlx, Gli3, and Her9 converge on Rx2 to define retinal stem cells <i>inÂvivo</i>. EMBO Journal, 2015, 34, 1572-1588.	7.8	71
21	Alpha-catenin-Dependent Recruitment of the Centrosomal Protein CAP350 to Adherens Junctions Allows Epithelial Cells to Acquire a Columnar Shape. PLoS Biology, 2015, 13, e1002087.	5.6	18
22	Analysis of opo cis-regulatory landscape uncovers Vsx2 requirement in early eye morphogenesis. Nature Communications, 2015, 6, 7054.	12.8	11
23	Comparative epigenomics in distantly related teleost species identifies conserved <i>cis</i>-regulatory nodes active during the vertebrate phylotypic period. Genome Research, 2014, 24, 1075-1085.	5.5	47
24	The medaka mutation tintachina sheds light on the evolution of V-ATPase B subunits in vertebrates. Scientific Reports, 2013, 3, 3217.	3.3	3
25	Numb/Numbl-Opo Antagonism Controls Retinal Epithelium Morphogenesis by Regulating Integrin Endocytosis. Developmental Cell, 2012, 23, 782-795.	7.0	67
26	<i>ojoplano</i>-mediated basal constriction is essential for optic cup morphogenesis. Development (Cambridge), 2009, 136, 2165-2175.	2.5	84
27	Cloning of mouse ojoplano, a reticular cytoplasmic protein expressed during embryonic development. Gene Expression Patterns, 2009, 9, 562-567.	0.8	6
28	Shaping the vertebrate eye. Current Opinion in Genetics and Development, 2009, 19, 511-517.	3.3	69
29	A global survey identifies novel upstream components of the Ath5 neurogenic network. Genome Biology, 2009, 10, R92.	9.6	28
30	New genes in the evolution of the neural crest differentiation program. Genome Biology, 2007, 8, R36.	9.6	42
31	Proper patterning of the optic fissure requires the sequential activity of BMP7 and SHH. Development (Cambridge), 2006, 133, 3179-3190.	2.5	138
32	Differentiation of the Vertebrate Retina Is Coordinated by an FGF Signaling Center. Developmental Cell, 2005, 8, 565-574.	7.0	165
33	Eye development: a view from the retina pigmented epithelium. BioEssays, 2004, 26, 766-777.	2.5	237
34	Mutations affecting retina development in Medaka. Mechanisms of Development, 2004, 121, 703-714.	1.7	20
35	Rapid chromosomal assignment of medaka mutants by bulked segregant analysis. Gene, 2004, 329, 159-165.	2.2	13
36	Developmental changes in the Ca2+-regulated mitochondrial aspartateâ€“glutamate carrier aralar1 in brain and prominent expression in the spinal cord. Developmental Brain Research, 2003, 143, 33-46.	1.7	137

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37	OTX2 Activates the Molecular Network Underlying Retina Pigment Epithelium Differentiation. Journal of Biological Chemistry, 2003, 278, 21721-21731.	3.4	155
38	Expression of the aspartate/glutamate mitochondrial carriers aralar1 and citrin during development and in adult rat tissues. FEBS Journal, 2002, 269, 3313-3320.	0.2	65
39	Sex steroids modulate luteinizing hormone-releasing hormone secretion in a cholinergic cell line from the basal forebrain. Neuroscience, 2001, 103, 1025-1031.	2.3	14
40	Estrogen modulates norepinephrine-induced accumulation of adenosine cyclic monophosphate in a subpopulation of immortalized luteinizing hormone-releasing hormone secreting neurons from the mouse hypothalamus. Neuroscience Letters, 2001, 298, 61-64.	2.1	21
41	Otx genes are required for tissue specification in the developing eye. Development (Cambridge), 2001, 128, 2019-2030.	2.5	238
42	Laminin-1 Selectively Stimulates Neuron Generation from Cultured Retinal Neuroepithelial Cells. Experimental Cell Research, 1996, 222, 140-149.	2.6	34