

Javier Lopez-Rios

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

3,506
citations

304743

22
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

5661
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond Wnt inhibition: new functions of secreted Frizzled-related proteins in development and disease. <i>Journal of Cell Science</i> , 2008, 121, 737-746.	2.0	541
2	Enhancer redundancy provides phenotypic robustness in mammalian development. <i>Nature</i> , 2018, 554, 239-243.	27.8	514
3	Recapitulation of endochondral bone formation using human adult mesenchymal stem cells as a paradigm for developmental engineering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7251-7256.	7.1	427
4	Vertebrate limb bud development: moving towards integrative analysis of organogenesis. <i>Nature Reviews Genetics</i> , 2009, 10, 845-858.	16.3	391
5	Progressive Loss of Function in a Limb Enhancer during Snake Evolution. <i>Cell</i> , 2016, 167, 633-642.e11.	28.9	275
6	Reduction of BMP4 activity by gremlin 1 enables ureteric bud outgrowth and GDNF/WNT11 feedback signalling during kidney branching morphogenesis. <i>Development (Cambridge)</i> , 2007, 134, 2397-2405.	2.5	174
7	Genomic Cloning and Characterization of the Human Homeobox Gene SIX6 Reveals a Cluster of SIX Genes in Chromosome 14 and Associates SIX6 Hemizygoty with Bilateral Anophthalmia and Pituitary Anomalies. <i>Genomics</i> , 1999, 61, 82-91.	2.9	163
8	Six3 and Six6 activity is modulated by members of the groucho family. <i>Development (Cambridge)</i> , 2003, 130, 185-195.	2.5	122
9	Attenuated sensing of SHH by Ptch1 underlies evolution of bovine limbs. <i>Nature</i> , 2014, 511, 46-51.	27.8	106
10	HAND2 Targets Define a Network of Transcriptional Regulators that Compartmentalize the Early Limb Bud Mesenchyme. <i>Developmental Cell</i> , 2014, 31, 345-357.	7.0	98
11	GLI3 Constrains Digit Number by Controlling Both Progenitor Proliferation and BMP-Dependent Exit to Chondrogenesis. <i>Developmental Cell</i> , 2012, 22, 837-848.	7.0	94
12	Dual RMCE for efficient re-engineering of mouse mutant alleles. <i>Nature Methods</i> , 2010, 7, 893-895.	19.0	75
13	Six9 (Optx2), a new member of the Six gene family of transcription factors, is expressed at early stages of vertebrate ocular and pituitary development. <i>Mechanisms of Development</i> , 1999, 83, 155-159.	1.7	69
14	The Netrin-related domain of Sfrp1 interacts with Wnt ligands and antagonizes their activity in the anterior neural plate. <i>Neural Development</i> , 2008, 3, 19.	2.4	57
15	Hand2 Is an Essential Regulator for Two Notch-Dependent Functions within the Embryonic Endocardium. <i>Cell Reports</i> , 2014, 9, 2071-2083.	6.4	57
16	HAND2 Target Gene Regulatory Networks Control Atrioventricular Canal and Cardiac Valve Development. <i>Cell Reports</i> , 2017, 19, 1602-1613.	6.4	50
17	The many lives of SHH in limb development and evolution. <i>Seminars in Cell and Developmental Biology</i> , 2016, 49, 116-124.	5.0	45
18	SFRP1 is required for the proper establishment of the eye field in the medaka fish. <i>Mechanisms of Development</i> , 2004, 121, 687-701.	1.7	44

#	ARTICLE	IF	CITATIONS
19	Genomic Cloning, Structure, Expression Pattern, and Chromosomal Location of the Human <i>SIX3</i> Gene. <i>Genomics</i> , 1999, 55, 100-105.	2.9	35
20	Ultraconserved non-coding sequence element controls a subset of spatiotemporal <i>GLI3</i> expression. <i>Development Growth and Differentiation</i> , 2007, 49, 543-553.	1.5	35
21	Conserved cis-regulatory regions in a large genomic landscape control <i>SHH</i> and <i>BMP</i> -regulated <i>Gremlin1</i> expression in mouse limb buds. <i>BMC Developmental Biology</i> , 2012, 12, 23.	2.1	35
22	Human intronic enhancers control distinct sub-domains of <i>Gli3</i> expression during mouse CNS and limb development. <i>BMC Developmental Biology</i> , 2010, 10, 44.	2.1	32
23	Gene Regulatory and Expression Differences between Mouse and Pig Limb Buds Provide Insights into the Evolutionary Emergence of Artiodactyl Traits. <i>Cell Reports</i> , 2020, 31, 107490.	6.4	19
24	Spatial regulation by multiple <i>Gremlin1</i> enhancers provides digit development with cis-regulatory robustness and evolutionary plasticity. <i>Nature Communications</i> , 2021, 12, 5557.	12.8	17
25	The Human <i>SIX</i> Family of Homeobox Genes. <i>Current Genomics</i> , 2001, 2, 231-242.	1.6	11
26	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
27	Sensing <i>BMP</i> Pathway Activity by Immune Detection of Phosphorylated R-Smad Proteins in Mouse Embryonic Kidney. <i>Methods in Molecular Biology</i> , 2012, 886, 267-273.	0.9	3