Javier Lopez-Rios

List of Publications by Year
in descending order

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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	Spatial regulation by multiple Gremlin1 enhancers provides digit development with cis-regulatory robustness and evolutionary plasticity. Nature Communications, 2021, 12, 5557.	12.8	17
2	The Shh / Gli3 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	Gene Regulatory and Expression Differences between Mouse and Pig Limb Buds Provide Insights into the Evolutionary Emergence of Artiodactyl Traits. Cell Reports, 2020, 31, 107490.	6.4	19
4	Enhancer redundancy provides phenotypic robustness in mammalian development. Nature, 2018, 554, 239-243.	27.8	514
5	HAND2 Target Gene Regulatory Networks Control Atrioventricular Canal and Cardiac Valve Development. Cell Reports, 2017, 19, 1602-1613.	6.4	50
6	Progressive Loss of Function in a Limb Enhancer during Snake Evolution. Cell, 2016, 167, 633-642.e11.	28.9	275
7	The many lives of SHH in limb development and evolution. Seminars in Cell and Developmental Biology, 2016, 49, 116-124.	5.0	45
8	Hand2 Is an Essential Regulator for Two Notch-Dependent Functions within the Embryonic Endocardium. Cell Reports, 2014, 9, 2071-2083.	6.4	57
9	HAND2 Targets Define a Network of Transcriptional Regulators that Compartmentalize the Early Limb Bud Mesenchyme. Developmental Cell, 2014, 31, 345-357.	7.0	98
10	Attenuated sensing of SHH by Ptch1 underlies evolution of bovine limbs. Nature, 2014, 511, 46-51.	27.8	106
11	GLI3 Constrains Digit Number by Controlling Both Progenitor Proliferation and BMP-Dependent Exit to Chondrogenesis. Developmental Cell, 2012, 22, 837-848.	7.0	94
12	Conserved cis-regulatory regions in a large genomic landscape control SHH and BMP-regulated Gremlin1expression in mouse limb buds. BMC Developmental Biology, 2012, 12, 23.	2.1	35
13	Sensing BMP Pathway Activity by Immune Detection of Phosphorylated R-Smad Proteins in Mouse Embryonic Kidney. Methods in Molecular Biology, 2012, 886, 267-273.	0.9	3
14	Human intronic enhancers control distinct sub-domains of Gli3 expression during mouse CNS and limb development. BMC Developmental Biology, 2010, 10, 44.	2.1	32
15	Dual RMCE for efficient re-engineering of mouse mutant alleles. Nature Methods, 2010, 7, 893-895.	19.0	75
16	Recapitulation of endochondral bone formation using human adult mesenchymal stem cells as a paradigm for developmental engineering. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7251-7256.	7.1	427
17	Vertebrate limb bud development: moving towards integrative analysis of organogenesis. Nature Reviews Genetics, 2009, 10, 845-858.	16.3	391
18	The Netrin-related domain of Sfrp1 interacts with Wnt ligands and antagonizes their activity in the anterior neural plate. Neural Development, 2008, 3, 19.	2.4	57

#	Article	IF	Citations
19	Beyond Wnt inhibition: new functions of secreted Frizzled-related proteins in development and disease. Journal of Cell Science, 2008, 121, 737-746.	2.0	541
20	Reduction of BMP4 activity by gremlin 1 enables ureteric bud outgrowth and GDNF/WNT11 feedback signalling during kidney branching morphogenesis. Development (Cambridge), 2007, 134, 2397-2405.	2.5	174
21	Ultraconserved nonâ€coding sequence element controls a subset of spatiotemporal GLI3 expression. Development Growth and Differentiation, 2007, 49, 543-553.	1.5	35
22	SFRP1 is required for the proper establishment of the eye field in the medaka fish. Mechanisms of Development, 2004, 121, 687-701.	1.7	44
23	Six3 and Six6 activity is modulated by members of the groucho family. Development (Cambridge), 2003, 130, 185-195.	2.5	122
24	The Human SIX Family of Homeobox Genes. Current Genomics, 2001, 2, 231-242.	1.6	11
25	Six9 (Optx2), a new member of the Six gene family of transcription factors, is expressed at early stages of vertebrate ocular and pituitary development. Mechanisms of Development, 1999, 83, 155-159.	1.7	69
26	Genomic Cloning, Structure, Expression Pattern, and Chromosomal Location of the HumanSIX3Gene. Genomics, 1999, 55, 100-105.	2.9	35
27	Genomic Cloning and Characterization of the Human Homeobox Gene SIX6 Reveals a Cluster of SIX Genes in Chromosome 14 and Associates SIX6 Hemizygosity with Bilateral Anophthalmia and Pituitary Anomalies. Genomics, 1999, 61, 82-91.	2.9	163