Rui M Monteiro

List of Publications by Year
in descending order

33 papers	1,998 citations	361045 20 h-index	395343 33 g-index
39 all docs	39 docs citations	39 times ranked	3807 citing authors

#	Article	IF	Citations
1	Isl1Cre reveals a common Bmp pathway in heart and limb development. Development (Cambridge), 2006, 133, 1575-1585.	1.2	234
2	Adult Neurogenesis Requires Smad4-Mediated Bone Morphogenic Protein Signaling in Stem Cells. Journal of Neuroscience, 2008, 28, 434-446.	1.7	228
3	BMP signaling mediated by ALK2 in the visceral endoderm is necessary for the generation of primordial germ cells in the mouse embryo. Genes and Development, 2004, 18, 1838-1849.	2.7	180
4	The microRNA-30 family targets DLL4 to modulate endothelial cell behavior during angiogenesis. Blood, 2012, 120, 5063-5072.	0.6	163
5	Analysis of Dll4 regulation reveals a combinatorial role for Sox and Notch in arterial development. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11893-11898.	3.3	114
6	Developmental hematopoiesis: Ontogeny, genetic programming and conservation. Experimental Hematology, 2014, 42, 669-683.	0.2	110
7	Spatio-temporal activation of Smad1 and Smad5 in vivo: monitoring transcriptional activity of Smad proteins. Journal of Cell Science, 2004, 117, 4653-4663.	1.2	81
8	The gata1/pu.1 lineage fate paradigm varies between blood populations and is modulated by tif1Î³. EMBO Journal, 2011, 30, 1093-1103.	3.5	81
9	Transforming Growth Factor Î² Drives Hemogenic Endothelium Programming and the Transition to Hematopoietic Stem Cells. Developmental Cell, 2016, 38, 358-370.	3.1	75
10	BMP signalling differentially regulates distinct haematopoietic stem cell types. Nature Communications, 2015, 6, 8040.	5.8	74
11	Real time monitoring of BMP Smads transcriptional activity during mouse development. Genesis, 2008, 46, 335-346.	0.8	70
12	Expression of bone morphogenetic protein2 (BMP2), BMP4 and BMP receptors in the bovine ovary but absence of effects of BMP2 and BMP4 during IVM on bovine oocyte nuclear maturation and subsequent embryo development. Theriogenology, 2005, 63, 872-889.	0.9	69
13	Activation of the Canonical Bone Morphogenetic Protein (BMP) Pathway during Lung Morphogenesis and Adult Lung Tissue Repair. PLoS ONE, 2012, 7, e41460.	1.1	60
14	Uncoupling VEGFA Functions in Arteriogenesis and Hematopoietic Stem Cell Specification. Developmental Cell, 2013, 24, 144-158.	3.1	58
15	Two novel type II receptors mediate BMP signalling and are required to establish leftâ€“right asymmetry in zebrafish. Developmental Biology, 2008, 315, 55-71.	0.9	54
16	CHAP is a newly identified Z-disc protein essential for heart and skeletal muscle function. Journal of Cell Science, 2010, 123, 1141-1150.	1.2	53
17	SOST expression is restricted to the great arteries during embryonic and neonatal cardiovascular development. Developmental Dynamics, 2007, 236, 606-612.	0.8	41
18	BMP and Hedgehog Regulate Distinct AGM Hematopoietic Stem Cells ExÂVivo. Stem Cell Reports, 2016, 6, 383-395.	2.3	37

#	Article	IF	Citations
19	Blood stem cell-forming haemogenic endothelium in zebrafish derives from arterial endothelium. Nature Communications, 2019, 10, 3577.	5.8	37
20	A Novel Complex, RUNX1-MYEF2, Represses Hematopoietic Genes in Erythroid Cells. Molecular and Cellular Biology, 2012, 32, 3814-3822.	1.1	32
21	Deletion of a conserved Gata2 enhancer impairs haemogenic endothelium programming and adult Zebrafish haematopoiesis. Communications Biology, 2020, 3, 71.	2.0	26
22	An optimized pipeline for parallel image-based quantification of gene expression and genotyping after in situ hybridization. Biology Open, 2018, 7, .	0.6	21
23	The roles and controls of GATA factors in blood and cardiac development. IUBMB Life, 2020, 72, 39-44.	1.5	21
24	Essential role for Gata2 in modulating lineage output from hematopoietic stem cells in zebrafish. Blood Advances, 2021, 5, 2687-2700.	2.5	21
25	The heparan sulfate editing enzyme Sulf1 plays a novel role in zebrafish VegfA mediated arterial venous identity. Angiogenesis, 2014, 17, 77-91.	3.7	16
26	Genotyping and Quantification of In Situ Hybridization Staining in Zebrafish. Journal of Visualized Experiments, 2020, , .	0.2	11
27	A Novel TGFÎ² Modulator that Uncouples R-Smad/I-Smad-Mediated Negative Feedback from R-Smad/Ligand-Driven Positive Feedback. PLoS Biology, 2015, 13, e1002051.	2.6	7
28	Hapln1b, a central organizer of the ECM, modulates kit signaling to control developmental hematopoiesis in zebrafish. Blood Advances, 2021, 5, 4935-4948.	2.5	7
29	Real time monitoring of BMP Smads transcriptional activity during mouse development. Genesis, 2008, 46, spcone-spcone.	0.8	3
30	In the spotlight: the role of TGFÎ² signalling in haematopoietic stem and progenitor cell emergence. Biochemical Society Transactions, 2022, 50, 703-712.	1.6	3
31	Epigenetic Regulation of Endothelial Cell Lineages During Zebrafish Developmentâ€"New Insights From Technical Advances. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	1
32	Functional analysis of a Gata2a endothelial enhancer reveals non-redundant roles for Gata2a and Gata2b in haemogenic endothelium programming and generation of haematopoietic stem cells. Experimental Hematology, 2017, 53, S77.	0.2	0
33	3115 â€“ GATA2A DETERMINES THE SURVIVAL AND HOMEOSTATIC LINEAGE OUTPUT OF HAEMATOPOIETIC STEM AND PROGENITOR CELLS. Experimental Hematology, 2020, 88, S73.	0.2	0