Tristan A RodrÃ-guez

List of Publications by Year
in descending order

		201385	214527
51 papers	3,650 citations	27 h-index	47 g-index
59 all docs	59 docs citations	59 times ranked	4703 citing authors

#	Article	IF	Citations
1	Nodal signalling in the epiblast patterns the early mouse embryo. Nature, 2001, 411, 965-969.	13.7	489
2	The meiotic checkpoint monitoring sypapsis eliminates spermatocytes via p53-independent apoptosis. Nature Genetics, 1998, 18, 257-261.	9.4	246
3	HOIP Deficiency Causes Embryonic Lethality by Aberrant TNFR1-Mediated Endothelial Cell Death. Cell Reports, 2014, 9, 153-165.	2.9	217
4	Competitive Interactions Eliminate Unfit Embryonic Stem Cells at the Onset of Differentiation. Developmental Cell, 2013, 26, 19-30.	3.1	199
5	Active cell migration drives the unilateral movements of the anterior visceral endoderm. Development (Cambridge), 2004, 131, 1157-1164.	1.2	159
6	Msg1 and Mrg1, founding members of a gene family, show distinct patterns of gene expression during mouse embryogenesis. Mechanisms of Development, 1998, 72, 27-40.	1.7	155
7	Cell Competition and Its Role in the Regulation of Cell Fitness from Development to Cancer. Developmental Cell, 2016, 38, 621-634.	3.1	150
8	Folic acid prevents exencephaly in Cited2 deficient mice. Human Molecular Genetics, 2002, 11, 283-293.	1.4	145
9	BMP signalling inhibits premature neural differentiation in the mouse embryo. Development (Cambridge), 2007, 134, 3359-3369.	1.2	142
10	Activin A directs striatal projection neuron differentiation of human pluripotent stem cells. Development (Cambridge), 2015, 142, 1375-1386.	1.2	134
11	Induction and migration of the anterior visceral endoderm is regulated by the extra-embryonic ectoderm. Development (Cambridge), 2005, 132, 2513-2520.	1.2	131
12	Cell competition: the winners and losers of fitness selection. Development (Cambridge), 2019, 146, .	1.2	116
13	Multi-Cellular Rosettes in the Mouse Visceral Endoderm Facilitate the Ordered Migration of Anterior Visceral Endoderm Cells. PLoS Biology, 2012, 10, e1001256.	2.6	105
14	The Homeobox Gene Hesx1 Is Required in the Anterior Neural Ectoderm for Normal Forebrain Formation. Developmental Biology, 2000, 223, 422-430.	0.9	101
15	Distinct Enhancer Elements Control Hex Expression during Gastrulation and Early Organogenesis. Developmental Biology, 2001, 234, 304-316.	0.9	91
16	P53 and mTOR signalling determine fitness selection through cell competition during early mouse embryonic development. Nature Communications, 2018, 9, 1763.	5.8	91
17	Cited1 Is Required in Trophoblasts for Placental Development and for Embryo Growth and Survival. Molecular and Cellular Biology, 2004, 24, 228-244.	1.1	80
18	An Early Developmental Role for miRNAs in the Maintenance of Extraembryonic Stem Cells in the Mouse Embryo. Developmental Cell, 2010, 19, 207-219.	3.1	80

#	Article	IF	Citations
19	Dicer regulates Xist promoter methylation in ES cells indirectly through transcriptional control of Dnmt3a. Epigenetics and Chromatin, 2008, 1, 2.	1.8	76
20	BMP signaling induces visceral endoderm differentiation of XEN cells and parietal endoderm. Developmental Biology, 2012, 361, 90-102.	0.9	72
21	Activin induces cortical interneuron identity and differentiation in embryonic stem cell-derived telencephalic neural precursors. Nature Communications, 2012, 3, 841.	5.8	68
22	Targeted deletion of the novel cytoplasmic dynein mD2LIC disrupts the embryonic organiser, formation of the body axes and specification of ventral cell fates. Development (Cambridge), 2004, 131, 4999-5007.	1.2	62
23	MicroRNAs control the apoptotic threshold in primed pluripotent stem cells through regulation of BIM. Genes and Development, 2014, 28, 1873-1878.	2.7	47
24	Nodal Dependent Differential Localisation of Dishevelled-2 Demarcates Regions of Differing Cell Behaviour in the Visceral Endoderm. PLoS Biology, 2011, 9, e1001019.	2.6	46
25	Coordination of cell proliferation and anterior-posterior axis establishment in the mouse embryo. Development (Cambridge), 2011, 138, 1521-1530.	1.2	44
26	Genetically variant human pluripotent stem cells selectively eliminate wild-type counterparts through YAP-mediated cell competition. Developmental Cell, 2021, 56, 2455-2470.e10.	3.1	40
27	Cell competition acts as a purifying selection to eliminate cells with mitochondrial defects during early mouse development. Nature Metabolism, 2021, 3, 1091-1108.	5.1	33
28	The Mitochondria and the Regulation of Cell Fitness During Early Mammalian Development. Current Topics in Developmental Biology, 2018, 128, 339-363.	1.0	32
29	Differences in the epigenetic and reprogramming properties of pluripotent and extra-embryonic stem cells implicate chromatin remodelling as an important early event in the developing mouse embryo. Epigenetics and Chromatin, 2010, 3, 1.	1.8	30
30	Correct Patterning of the Primitive Streak Requires the Anterior Visceral Endoderm. PLoS ONE, 2011, 6, e17620.	1.1	30
31	Early embryonic expression patterns of the mouse <i>Flamingo</i> and <i>Prickle</i> orthologues. Developmental Dynamics, 2007, 236, 3137-3143.	0.8	27
32	Crosstalk between Nodal/Activin and MAPK p38 Signaling Is Essential for Anterior-Posterior Axis Specification. Current Biology, 2011, 21, 1289-1295.	1.8	27
33	Mutant p53 in cell-cell interactions. Genes and Development, 2021, 35, 433-448.	2.7	26
34	Development: Hippo Signalling Turns the Embryo Inside Out. Current Biology, 2013, 23, R559-R561.	1.8	22
35	Transcriptional versus metabolic control of cell fitness during cell competition. Seminars in Cancer Biology, 2020, 63, 36-43.	4.3	16
36	MiRNA-mediated regulation of cell signaling and homeostasis in the early mouse embryo. Cell Cycle, 2011, 10, 584-591.	1.3	15

#	Article	IF	Citations
37	DRP1 levels determine the apoptotic threshold during embryonic differentiation through a mitophagy-dependent mechanism. Developmental Cell, 2022, 57, 1316-1330.e7.	3.1	15
38	Spermatogenic failure in male mice with four sex chromosomes. Chromosoma, 2001, 110, 124-129.	1.0	14
39	Mitofusins <i>Mfn1</i> and <i>Mfn2</i> Are Required to Preserve Glucose- but Not Incretin-Stimulated Î²-Cell Connectivity and Insulin Secretion. Diabetes, 2022, 71, 1472-1489.	0.3	14
40	Cancer: The Transforming Power of Cell Competition. Current Biology, 2016, 26, R164-R166.	1.8	12
41	Cell competition and the regulative nature of early mammalian development. Cell Stem Cell, 2022, 29, 1018-1030.	5.2	11
42	Genetic Deletion of Hesx1 Promotes Exit from the Pluripotent State and Impairs Developmental Diapause. Stem Cell Reports, 2019, 13, 970-979.	2.3	9
43	Selecting for fitness in mammalian development. Cell Cycle, 2014, 13, 9-10.	1.3	6
44	Evolution of an Amniote-Specific Mechanism for Modulating Ubiquitin Signaling via Phosphoregulation of the E2 Enzyme UBE2D3. Molecular Biology and Evolution, 2020, 37, 1986-2001.	3.5	2
45	MHC-I presents: tumor surveillance in the epithelia by cell competition. Nature Immunology, 2021, 22, 1358-1360.	7.0	2
46	Ready, set, differentiate!. ELife, 2013, 2, e01839.	2.8	1
47	Fertile XY*O male mice: evidence for a mutation which circumvents the â€˜meiotic quality controlâ€™. Genetical Research, 1997, 70, 79-89.	0.3	0
48	Remembering Rosa Beddington?A tribute from her friends and colleagues. Developmental Dynamics, 2002, 223, 3-11.	0.8	0
49	A Tale of Division and Polarization in the Mammalian Embryo. Developmental Cell, 2017, 40, 215-216.	3.1	0
50	Cell Competition: A Choreographed Dance of Death. Current Biology, 2021, 31, R255-R257.	1.8	0
51	DB special issue - Cell Competition in Development and Disease. Developmental Biology, 2021, 479, 123-125.	0.9	0