

Tristan A Rodríguez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4031270/publications.pdf>

Version: 2024-02-01

51
papers

3,650
citations

201674

27
h-index

214800

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. <i>Nature</i> , 2001, 411, 965-969.	27.8	489
2	The meiotic checkpoint monitoring synapsis eliminates spermatocytes via p53-independent apoptosis. <i>Nature Genetics</i> , 1998, 18, 257-261.	21.4	246
3	HOIP Deficiency Causes Embryonic Lethality by Aberrant TNFR1-Mediated Endothelial Cell Death. <i>Cell Reports</i> , 2014, 9, 153-165.	6.4	217
4	Competitive Interactions Eliminate Unfit Embryonic Stem Cells at the Onset of Differentiation. <i>Developmental Cell</i> , 2013, 26, 19-30.	7.0	199
5	Active cell migration drives the unilateral movements of the anterior visceral endoderm. <i>Development (Cambridge)</i> , 2004, 131, 1157-1164.	2.5	159
6	Msg1 and Mrg1, founding members of a gene family, show distinct patterns of gene expression during mouse embryogenesis. <i>Mechanisms of Development</i> , 1998, 72, 27-40.	1.7	155
7	Cell Competition and Its Role in the Regulation of Cell Fitness from Development to Cancer. <i>Developmental Cell</i> , 2016, 38, 621-634.	7.0	150
8	Folic acid prevents exencephaly in Cited2 deficient mice. <i>Human Molecular Genetics</i> , 2002, 11, 283-293.	2.9	145
9	BMP signalling inhibits premature neural differentiation in the mouse embryo. <i>Development (Cambridge)</i> , 2007, 134, 3359-3369.	2.5	142
10	Activin A directs striatal projection neuron differentiation of human pluripotent stem cells. <i>Development (Cambridge)</i> , 2015, 142, 1375-1386.	2.5	134
11	Induction and migration of the anterior visceral endoderm is regulated by the extra-embryonic ectoderm. <i>Development (Cambridge)</i> , 2005, 132, 2513-2520.	2.5	131
12	Cell competition: the winners and losers of fitness selection. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	116
13	Multi-Cellular Rosettes in the Mouse Visceral Endoderm Facilitate the Ordered Migration of Anterior Visceral Endoderm Cells. <i>PLoS Biology</i> , 2012, 10, e1001256.	5.6	105
14	The Homeobox Gene Hesx1 Is Required in the Anterior Neural Ectoderm for Normal Forebrain Formation. <i>Developmental Biology</i> , 2000, 223, 422-430.	2.0	101
15	Distinct Enhancer Elements Control Hex Expression during Gastrulation and Early Organogenesis. <i>Developmental Biology</i> , 2001, 234, 304-316.	2.0	91
16	P53 and mTOR signalling determine fitness selection through cell competition during early mouse embryonic development. <i>Nature Communications</i> , 2018, 9, 1763.	12.8	91
17	Cited1 Is Required in Trophoblasts for Placental Development and for Embryo Growth and Survival. <i>Molecular and Cellular Biology</i> , 2004, 24, 228-244.	2.3	80
18	An Early Developmental Role for miRNAs in the Maintenance of Extraembryonic Stem Cells in the Mouse Embryo. <i>Developmental Cell</i> , 2010, 19, 207-219.	7.0	80

#	ARTICLE	IF	CITATIONS
19	Dicer regulates Xist promoter methylation in ES cells indirectly through transcriptional control of Dnmt3a. <i>Epigenetics and Chromatin</i> , 2008, 1, 2.	3.9	76
20	BMP signaling induces visceral endoderm differentiation of XEN cells and parietal endoderm. <i>Developmental Biology</i> , 2012, 361, 90-102.	2.0	72
21	Activin induces cortical interneuron identity and differentiation in embryonic stem cell-derived telencephalic neural precursors. <i>Nature Communications</i> , 2012, 3, 841.	12.8	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. <i>Development (Cambridge)</i> , 2004, 131, 4999-5007.	2.5	62
23	MicroRNAs control the apoptotic threshold in primed pluripotent stem cells through regulation of BIM. <i>Genes and Development</i> , 2014, 28, 1873-1878.	5.9	47
24	Nodal Dependent Differential Localisation of Dishevelled-2 Demarcates Regions of Differing Cell Behaviour in the Visceral Endoderm. <i>PLoS Biology</i> , 2011, 9, e1001019.	5.6	46
25	Coordination of cell proliferation and anterior-posterior axis establishment in the mouse embryo. <i>Development (Cambridge)</i> , 2011, 138, 1521-1530.	2.5	44
26	Genetically variant human pluripotent stem cells selectively eliminate wild-type counterparts through YAP-mediated cell competition. <i>Developmental Cell</i> , 2021, 56, 2455-2470.e10.	7.0	40
27	Cell competition acts as a purifying selection to eliminate cells with mitochondrial defects during early mouse development. <i>Nature Metabolism</i> , 2021, 3, 1091-1108.	11.9	33
28	The Mitochondria and the Regulation of Cell Fitness During Early Mammalian Development. <i>Current Topics in Developmental Biology</i> , 2018, 128, 339-363.	2.2	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. <i>Epigenetics and Chromatin</i> , 2010, 3, 1.	3.9	30
30	Correct Patterning of the Primitive Streak Requires the Anterior Visceral Endoderm. <i>PLoS ONE</i> , 2011, 6, e17620.	2.5	30
31	Early embryonic expression patterns of the mouse <i>Flamingo</i> and <i>Prickle</i> orthologues. <i>Developmental Dynamics</i> , 2007, 236, 3137-3143.	1.8	27
32	Crosstalk between Nodal/Activin and MAPK p38 Signaling Is Essential for Anterior-Posterior Axis Specification. <i>Current Biology</i> , 2011, 21, 1289-1295.	3.9	27
33	Mutant p53 in cell-cell interactions. <i>Genes and Development</i> , 2021, 35, 433-448.	5.9	26
34	Development: Hippo Signalling Turns the Embryo Inside Out. <i>Current Biology</i> , 2013, 23, R559-R561.	3.9	22
35	Transcriptional versus metabolic control of cell fitness during cell competition. <i>Seminars in Cancer Biology</i> , 2020, 63, 36-43.	9.6	16
36	MIRNA-mediated regulation of cell signaling and homeostasis in the early mouse embryo. <i>Cell Cycle</i> , 2011, 10, 584-591.	2.6	15

#	ARTICLE	IF	CITATIONS
37	DRP1 levels determine the apoptotic threshold during embryonic differentiation through a mitophagy-dependent mechanism. <i>Developmental Cell</i> , 2022, 57, 1316-1330.e7.	7.0	15
38	Spermatogenic failure in male mice with four sex chromosomes. <i>Chromosoma</i> , 2001, 110, 124-129.	2.2	14
39	Mitofusins <i>Mfn1</i> and <i>Mfn2</i> Are Required to Preserve Glucose- but Not Incretin-Stimulated β -Cell Connectivity and Insulin Secretion. <i>Diabetes</i> , 2022, 71, 1472-1489.	0.6	14
40	Cancer: The Transforming Power of Cell Competition. <i>Current Biology</i> , 2016, 26, R164-R166.	3.9	12
41	Cell competition and the regulative nature of early mammalian development. <i>Cell Stem Cell</i> , 2022, 29, 1018-1030.	11.1	11
42	Genetic Deletion of <i>Hesx1</i> Promotes Exit from the Pluripotent State and Impairs Developmental Diapause. <i>Stem Cell Reports</i> , 2019, 13, 970-979.	4.8	9
43	Selecting for fitness in mammalian development. <i>Cell Cycle</i> , 2014, 13, 9-10.	2.6	6
44	Evolution of an Amniote-Specific Mechanism for Modulating Ubiquitin Signaling via Phosphoregulation of the E2 Enzyme UBE2D3. <i>Molecular Biology and Evolution</i> , 2020, 37, 1986-2001.	8.9	2
45	MHC-I presents: tumor surveillance in the epithelia by cell competition. <i>Nature Immunology</i> , 2021, 22, 1358-1360.	14.5	2
46	Ready, set, differentiate!. <i>ELife</i> , 2013, 2, e01839.	6.0	1
47	Fertile XY*O male mice: evidence for a mutation which circumvents the "meiotic quality control". <i>Genetical Research</i> , 1997, 70, 79-89.	0.9	0
48	Remembering Rosa Beddington? A tribute from her friends and colleagues. <i>Developmental Dynamics</i> , 2002, 223, 3-11.	1.8	0
49	A Tale of Division and Polarization in the Mammalian Embryo. <i>Developmental Cell</i> , 2017, 40, 215-216.	7.0	0
50	Cell Competition: A Choreographed Dance of Death. <i>Current Biology</i> , 2021, 31, R255-R257.	3.9	0
51	DB special issue - Cell Competition in Development and Disease. <i>Developmental Biology</i> , 2021, 479, 123-125.	2.0	0