Nicolas Plachta

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4806398/publications.pdf

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33 1,838 papers citations

19 h-index

35 all docs

35 docs citations

35 times ranked 2472 citing authors

30

g-index

#	Article	IF	CITATIONS
1	Oct4 kinetics predict cell lineage patterning in the early mammalian embryo. Nature Cell Biology, 2011, 13, 117-123.	10.3	214
2	Cadherin-dependent filopodia control preimplantation embryo compaction. Nature Cell Biology, 2013, 15, 1424-1433.	10.3	200
3	Long-Lived Binding of Sox2 to DNA Predicts Cell Fate in the Four-Cell Mouse Embryo. Cell, 2016, 165, 75-87.	28.9	173
4	Cortical Tension Allocates the First Inner Cells of the Mammalian Embryo. Developmental Cell, 2015, 34, 435-447.	7.0	154
5	The Rostral Anterior Cingulate Cortex Modulates the Efficiency of Amygdala-Dependent Fear Learning. Biological Psychiatry, 2008, 63, 821-831.	1.3	119
6	Expanding Actin Rings Zipper the Mouse Embryo for Blastocyst Formation. Cell, 2018, 173, 776-791.e17.	28.9	111
7	A microtubule-organizing center directing intracellular transport in the early mouse embryo. Science, 2017, 357, 925-928.	12.6	101
8	Instructions for Assembling the Early Mammalian Embryo. Developmental Cell, 2018, 45, 667-679.	7.0	80
9	Probing transcription factor diffusion dynamics in the living mammalian embryo with photoactivatable fluorescence correlation spectroscopy. Nature Communications, 2013, 4, 1637.	12.8	74
10	Keratins are asymmetrically inherited fate determinants in the mammalian embryo. Nature, 2020, 585, 404-409.	27.8	69
11	Dynamic Fluctuations in Subcellular Localization of the Hippo Pathway Effector Yorkie InÂVivo. Current Biology, 2018, 28, 1651-1660.e4.	3.9	66
12	Identification of a lectin causing the degeneration of neuronal processes using engineered embryonic stem cells. Nature Neuroscience, 2007, 10, 712-719.	14.8	65
13	NKX2-5 mutations causative for congenital heart disease retain functionality and are directed to hundreds of targets. ELife, 2015, 4, .	6.0	54
14	Neurotrophin Receptor-Mediated Death of Misspecified Neurons Generated from Embryonic Stem Cells Lacking Pax6. Cell Stem Cell, 2007, 1, 529-540.	11.1	45
15	Mouse Embryo Compaction. Current Topics in Developmental Biology, 2016, 120, 235-258.	2.2	40
16	Nitric oxide is involved in establishing the balance between cell cycle progression and cell death in the developing neural tube. Experimental Cell Research, 2003, 288, 354-362.	2.6	37
17	Cytoskeletal control of early mammalian development. Nature Reviews Molecular Cell Biology, 2021, 22, 548-562.	37.0	36
18	Cell Fate Decisions During Preimplantation Mammalian Development. Current Topics in Developmental Biology, 2018, 128, 37-58.	2.2	23

#	Article	IF	CITATIONS
19	How cells change shape and position in the early mammalian embryo. Current Opinion in Cell Biology, 2017, 44, 7-13.	5.4	21
20	Quantifying transcription factor–DNA binding in single cells in vivo with photoactivatable fluorescence correlation spectroscopy. Nature Protocols, 2017, 12, 1458-1471.	12.0	21
21	How Adhesion Forms the Early Mammalian Embryo. Current Topics in Developmental Biology, 2015, 112, 1-17.	2.2	18
22	Specification of the First Mammalian Cell Lineages In Vivo and In Vitro. Cold Spring Harbor Perspectives in Biology, 2020, 12, a035634.	5.5	18
23	BMP controls nitric oxide-mediated regulation of cell numbers in the developing neural tube. Cell Death and Differentiation, 2004, 11, 832-841.	11.2	16
24	Exploring the Dynamics of Cell Processes through Simulations of Fluorescence Microscopy Experiments. Biophysical Journal, 2015, 108, 2613-2618.	0.5	16
25	A monoastral mitotic spindle determines lineage fate and position in the mouse embryo. Nature Cell Biology, 2022, 24, 155-167.	10.3	15
26	Cooperation-based sperm clusters mediate sperm oviduct entry and fertilization. Protein and Cell, 2021, 12, 810-817.	11.0	14
27	Quantitative imaging of mammalian transcriptional dynamics: from single cells to whole embryos. BMC Biology, 2016, 14, 115.	3.8	13
28	In Vivo Imaging of Single Mammalian Cells in Development and Disease. Trends in Molecular Medicine, 2018, 24, 278-293.	6.7	10
29	Novel approaches to link apicobasal polarity to cell fate specification. Current Opinion in Cell Biology, 2020, 62, 78-85.	5.4	9
30	IMAGING HOW THE PREIMPLANTATION EMBRYO FORMS IN REAL TIME. Reproductive BioMedicine Online, 2019, 39, e5.	2.4	1
31	The First Cell Fate Decision During Mammalian Development. , 2015, , 25-39.		O
32	Emerging mechanisms driving cell differentiation inÂvivo. Current Opinion in Cell Biology, 2020, 67, iii-v.	5.4	0
33	209 Imaging the Molecular and Cell Dynamics that Form the Early Mouse Embryo. Reproduction, Fertility and Development, 2018, 30, 245.	0.4	0