Joy Rathjen

List of Publications by Year
in descending order

25 papers	1,176 citations	840119 11 h-index	610482 24 g-index
25 all docs	25 docs citations	25 times ranked	1707 citing authors

#	Article	IF	Citations
1	Physiological oxygen culture reveals retention of metabolic memory in human induced pluripotent stem cells. PLoS ONE, 2018, 13, e0193949.	1.1	10
2	Ethics and Governance of Stem Cell Banks. Methods in Molecular Biology, 2017, 1590, 99-112.	0.4	4
3	Oxygen modulates human embryonic stem cell metabolism in the absence of changes in self-renewal. Reproduction, Fertility and Development, 2016, 28, 446.	0.1	23
4	Metaboloepigenetic Regulation of Pluripotent Stem Cells. Stem Cells International, 2016, 2016, 1-15.	1.2	50
5	Src Family Kinases and p38 Mitogen-Activated Protein Kinases Regulate Pluripotent Cell Differentiation in Culture. PLoS ONE, 2016, 11, e0163244.	1.1	12
6	Regulation of amino acid transporters in pluripotent cell populations in the embryo and in culture; novel roles for sodium-coupled neutral amino acid transporters. Mechanisms of Development, 2016, 141, 32-39.	1.7	12
7	The States of Pluripotency: Pluripotent Lineage Development in the Embryo and in the Dish. ISRN Stem Cells, 2014, 2014, 1-19.	1.8	5
8	Endoderm Complexity in the Mouse Gastrula Is Revealed Through the Expression of Spink3. BioResearch Open Access, 2014, 3, 98-109.	2.6	3
9	The formation of proximal and distal definitive endoderm populations in culture requires p38 MAPK activity. Journal of Cell Science, 2014, 127, 2204-16.	1.2	10
10	Regulation of pluripotent cell differentiation by a small molecule, staurosporine. Differentiation, 2014, 87, 101-110.	1.0	5
11	Culture environment regulates amino acid turnover and glucose utilisation in human ES cells. Reproduction, Fertility and Development, 2014, 26, 703.	0.1	8
12	The formation of proximal and distal definitive endoderm populations in culture requires p38 MAPK activity. Development (Cambridge), 2014, 141, e1205-e1205.	1.2	0
13	A System to Enrich for Primitive Streak-Derivatives, Definitive Endoderm and Mesoderm, from Pluripotent Cells in Culture. PLoS ONE, 2012, 7, e38645.	1.1	5
14	The amino acid transporter SNAT2 mediates l-proline-induced differentiation of ES cells. American Journal of Physiology - Cell Physiology, 2011, 300, C1270-C1279.	2.1	48
15	Genome-wide dynamics of replication timing revealed by in vitro models of mouse embryogenesis. Genome Research, 2010, 20, 155-169.	2.4	287
16	A Requirement for FGF Signalling in the Formation of Primitive Streak-Like Intermediates from Primitive Ectoderm in Culture. PLoS ONE, 2010, 5, e12555.	1.1	8
17	Response to BMP4 signalling during ES cell differentiation defines intermediates of the ectoderm lineage. Journal of Cell Science, 2010, 123, 1796-1804.	1.2	31
18	<scp>l</scp>-Proline induces differentiation of ES cells: a novel role for an amino acid in the regulation of pluripotent cells in culture. American Journal of Physiology - Cell Physiology, 2010, 298, C982-C992.	2.1	98

#	Article	IF	Citations
19	Manipulation of Cell:Cell Contacts and Mesoderm Suppressing Activity Direct Lineage Choice from Pluripotent Primitive Ectoderm-Like Cells in Culture. PLoS ONE, 2009, 4, e5579.	1.1	8
20	A Novel Role for Î³-Secretase in the Formation of Primitive Streak-like Intermediates from ES Cells in Culture. Stem Cells, 2009, 27, 2941-2951.	1.4	24
21	Lineage Specific Differentiation of Mouse ES Cells: Formation and Differentiation of Early Primitive Ectoderm-like (EPL) Cells. Methods in Enzymology, 2003, 365, 1-25.	0.4	24
22	Identification of a Biological Activity That Supports Maintenance and Proliferation of Pluripotent Cells from the Primitive Ectoderm of the Mouse1. Biology of Reproduction, 2003, 69, 1863-1871.	1.2	18
23	Formation of Neural Precursor Cell Populations by Differentiation of Embryonic Stem Cells In Vitro. Scientific World Journal, The, 2002, 2, 690-700.	0.8	9
24	Pluripotent cell division cycles are driven by ectopic Cdk2, cyclin A/E and E2F activities. Oncogene, 2002, 21, 8320-8333.	2.6	332
25	Directed differentiation of pluripotent cells to neural lineages: homogeneous formation and differentiation of a neurectoderm population. Development (Cambridge), 2002, 129, 2649-2661.	1.2	142