Human embryonic stem cell lines derived from single blastomeres of two 4-cell stage embryos

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#	Paper	IF	Citations
73	Derivation, culture, and characterization of VUB hESC lines. *In Vitro Cellular and Developmental Biology - Animal*, **2010**, 46, 300-8	2.6	30
72	Establishment of mouse embryonic stem cells from isolated blastomeres and whole embryos using three derivation methods. *Journal of Assisted Reproduction and Genetics*, **2010**, 27, 671-82	3.4	10
71	Embryo splitting. *Middle East Fertility Society Journal*, **2010**, 15, 57-63	1.4	7
70	Derivation, characterization and differentiation of a new human embryonic stem cell line from a Chinese hatched blastocyst assisted by a non-contact laser system. *Human Cell*, **2010**, 23, 89-102	4.5	2
69	Current technology for the derivation of pluripotent stem cell lines from human embryos. *Cell Stem Cell*, **2010**, 6, 521-31	18	29
68	Translational Stem Cell Research. *Pancreatic Islet Biology*, **2011**,	0.4	1
67	Generation of human embryonic stem cells. *Current Protocols in Stem Cell Biology*, **2011**, Chapter 1, Unit 1A.5	2.8	2
66	Human embryonic stem cells derived from embryos at different stages of development share similar transcription profiles. *PLoS ONE*, **2011**, 6, e26570	3.7	21
65	From embryonic stem cells to iPS - an ethical perspective. *Cell Proliferation*, **2011**, 44 Suppl 1, 70-84	7.9	5
64	Influence of early fate decisions at the two-cell stage on the derivation of mouse embryonic stem cell lines. *Stem Cell Research*, **2011**, 7, 54-65	1.6	5
63	Evaluating differentiation propensity of in-house derived human embryonic stem cell lines KIND-1 and KIND-2. *In Vitro Cellular and Developmental Biology - Animal*, **2011**, 47, 406-19	2.6	11
62	The cancer stem cell niche--there goes the neighborhood?. *International Journal of Cancer*, **2011**, 129, 2315-27	7.5	190
61	Derivation and characterization of novel nonhuman primate embryonic stem cell lines from in vitro-fertilized baboon preimplantation embryos. *Stem Cells and Development*, **2011**, 20, 1053-62	4.4	7
60	The different shades of mammalian pluripotent stem cells. *Human Reproduction Update*, **2011**, 17, 254-71	15.8	35
59	New perspectives on embryo biopsy: not how, but when and why?. *Seminars in Reproductive Medicine*, **2012**, 30, 259-66	1.4	31
58	Preimplantation mouse embryo: developmental fate and potency of blastomeres. *Results and Problems in Cell Differentiation*, **2012**, 55, 141-63	1.4	2
57	Stem Cell Biology and Application. **2012**, 75-89		

56	Establishment of hESC lines from the inner cell mass of blastocyst-stage embryos and single blastomeres of 4-cell stage embryos. *Methods in Molecular Biology*, **2012**, 873, 81-112	1.4	4
55	Derivation of human embryonic stem cell lines from single blastomeres of low-quality embryos by direct plating. *Journal of Assisted Reproduction and Genetics*, **2013**, 30, 953-61	3.4	6
54	Human trophectoderm cells are not yet committed. *Human Reproduction*, **2013**, 28, 740-9	5.7	56
53	Construction of Human Embryonic Stem Cell Banks: Prospects for Tissue Matching. **2013**, 111-128		2
52	Embryonic stem cells from blastomeres maintaining embryo viability. *Seminars in Reproductive Medicine*, **2013**, 31, 49-55	1.4	5
51	Meiotic recombination in human oocytes. 63-75		
50	Embryonic stem cells from blastomeres maintaining embryo viability. 84-92		
49	Gamete generation from stem cells to avoid gamete donation and customized hESCs from blastomeres as the cellular insurance for the newborn: Will it ever be ethically acceptable?. 93-101		
48	An Overview of Pluripotent Stem Cells. **2013**,		2
47	Gain of 20q11.21 in human embryonic stem cells improves cell survival by increased expression of Bcl-xL. *Molecular Human Reproduction*, **2014**, 20, 168-77	4.4	66
46	Embryonic Stem Cells. **2014**, 565-579		1
45	Improved efficiency of microsurgical enucleated tripronuclear zygotes development and embryonic stem cell derivation by supplementing epidermal growth factor, brain-derived neurotrophic factor, and insulin-like growth factor-1. *Stem Cells and Development*, **2014**, 23, 563-75	4.4	7
44	Totipotency and lineage segregation in the human embryo. *Molecular Human Reproduction*, **2014**, 20, 599-618	4.4	45
43	CAR expression in human embryos and hESC illustrates its role in pluripotency and tight junctions. *Reproduction*, **2014**, 148, 531-44	3.8	16
42	Human embryonic stem cells show low-grade microsatellite instability. *Molecular Human Reproduction*, **2014**, 20, 981-9	4.4	7
41	Clonal culturing of human embryonic stem cells on laminin-521/E-cadherin matrix in defined and xeno-free environment. *Nature Communications*, **2014**, 5, 3195	17.4	183
40	Non-embryo-destructive Extraction of Pluripotent Embryonic Stem Cells: Implications for Regenerative Medicine and Reproductive Medicine. *Geburtshilfe Und Frauenheilkunde*, **2015**, 75, 1239-1242	2	4
39	Safety of human embryonic stem cells in patients with terminal/incurable conditions- a retrospective analysis. *Annals of Neurosciences*, **2015**, 22, 132-8	1.1	17

38	Cleavage pattern predicts developmental potential of day 3 human embryos produced by IVF. *Reproductive BioMedicine Online*, **2015**, 30, 625-34	4	33
37	Developmental clock compromises human twin model created by embryo splitting. *Human Reproduction*, **2015**, 30, 2774-84	5.7	15
36	Cholinergic differentiation of neural stem cells generated from cell aggregates-derived from Human Bone marrow stromal cells. *Tissue Engineering and Regenerative Medicine*, **2015**, 12, 43-52	4.5	11
35	Morphokinetic Characteristics and Developmental Potential of In Vitro Cultured Embryos from Natural Cycles in Patients with Poor Ovarian Response. *BioMed Research International*, **2016**, 2016, 4286328	3	10
34	Human Embryonic Stem Cells. **2016**, 27-49		1
33	Inhibition of Rho-associated protein kinase increases the ratio of formation of blastocysts from single human blastomeres. *Molecular Medicine Reports*, **2016**, 13, 2046-52	2.9	7
32	Female human pluripotent stem cells rapidly lose X chromosome inactivation marks and progress to a skewed methylation pattern during culture. *Molecular Human Reproduction*, **2016**, 22, 285-98	4.4	13
31	Current Perspective of Stem Cell Therapy in Neurodegenerative and Metabolic Diseases. *Molecular Neurobiology*, **2017**, 54, 7276-7296	6.2	21
30	The Regulative Nature of Mammalian Embryos. *Current Topics in Developmental Biology*, **2018**, 128, 105-149	5.5	5
29	Preventing Common Hereditary Disorders through Time-Separated Twinning. *BioNanoScience*, **2018**, 8, 344-366	3.4	1
28	Embryonic Stem Cells. **2018**, 1-51		0
27	A review on stem cell therapy for multiple sclerosis: special focus on human embryonic stem cells. *Stem Cells and Cloning: Advances and Applications*, **2018**, 11, 1-11	2.6	15
26	Embryonic Stem Cells: Derivation, Properties, and Challenges. **2019**, 113-123		
25	Patent Governance, Ethics and Democracy: How Transparency and Accountability Norms Are Challenged by Patents on Stem Cells, Gametes and Genome Editing (CRISPR) in Europe. **2019**, 263-288		1
24	Establishment of porcine nuclear transfer-derived embryonic stem cells using induced pluripotent stem cells as donor nuclei. *Journal of Reproduction and Development*, **2020**, 66, 163-174	2.1	
23	Embryonic stem cells. **2020**, 421-434		2
22	Progress in human embryonic stem cell research and aging. **2021**, 9-52		
21	From Embryo to Adult: One Carbon Metabolism in Stem Cells. *Current Stem Cell Research and Therapy*, **2021**, 16, 175-188	3.6	1

20	Human Embryonic Stem Cells in Regenerative Medicine. **2011**, 17-38		4
19	Transcription activation of early human development suggests DUX4 as an embryonic regulator.		3
18	A teratocarcinoma-like human embryonic stem cell (hESC) line and four hESC lines reveal potentially oncogenic genomic changes. *PLoS ONE*, **2010**, 5, e10263	3.7	42
17	Parthenogenic blastocysts derived from cumulus-free in vitro matured human oocytes. *PLoS ONE*, **2010**, 5, e10979	3.7	24
16	Human embryonic stem cells: derivation, maintenance and cryopreservation. *International Journal of Stem Cells*, **2011**, 4, 9-17	3	12
15	Effects of Growth Factors on Establishment and Propagation of Embryonic Stem Cells from Very Early Stage IVF Embryos and Their Characterization in Buffalo. *International Journal of Stem Cells*, **2012**, 5, 96-103	3	10
14	The promise of human embryonic stem cells in aging-associated diseases. *Aging*, **2011**, 3, 494-508	5.6	30
13	Human Embryonic Stem Cells. **2011**, 169-186		2
12	Towards Modeling and Therapy of Genetic Diseases Using Pluripotent Stem Cells. *Pancreatic Islet Biology*, **2011**, 65-76	0.4	
11	Human Embryonic Stem Cells and Tissue Regeneration. **2012**, 455-478		
10	Derivation and Expansion of Human Pluripotent Stem Cells. **2012**, 1-18		
9	Human Embryonic Stem Cells. **2013**, 177-196		
8	Derivation of human embryonic stem cells (hESC). *Methods in Molecular Biology*, **2014**, 1154, 121-44	1.4	
7	Pluripotent Stem Cells and Skeletal Muscle Differentiation: Challenges and Immediate Applications. **2017**, 1-35		
6	Embryonic Stem Cells. **2020**, 315-365		
5	Strategies for fertility preservation and restoration in the male. *Facts, Views & Vision in ObGyn*, **2011** , 3, 302-10	1.4	1
4	Culturing surplus poor-quality embryos to blastocyst stage have positive predictive value of clinical pregnancy rate. *Iranian Journal of Reproductive Medicine*, **2014**, 12, 609-16		8
3	A review of the emerging potential therapy for neurological disorders: human embryonic stem cell therapy. *American Journal of Stem Cells*, **2017**, 6, 1-12	2.4	18

2	DUX: One Transcription Factor Controls 2-Cell-like Fate.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3
1	Comparative characteristics of human stem cells.	0