

# The ground state of embryonic stem cell self-renewal

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Stem Cells Use Distinct Self-renewal Programs at Different Ages. Cold Spring Harbor Symposia on Quantitative Biology, 2008, 73, 539-553.	2.0	42
2	A chemical approach to stem-cell biology and regenerative medicine. Nature, 2008, 453, 338-344.	13.7	313
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1503	The metabolic programming of stem cells. <i>Genes and Development</i> , 2017, 31, 336-346.	2.7	243
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1647	Fine Tuning of Canonical Wnt Stimulation Enhances Differentiation of Pluripotent Stem Cells Independent of $\beta$ -Catenin-Mediated T-Cell Factor Signaling. <i>Stem Cells</i> , 2018, 36, 822-833.	1.4	12
1648	An Mll4/COMPASS-Lsd1 epigenetic axis governs enhancer function and pluripotency transition in embryonic stem cells. <i>Science Advances</i> , 2018, 4, eaap8747.	4.7	55
1649	Imaging of native transcription factors and histone phosphorylation at high resolution in live cells. <i>Journal of Cell Biology</i> , 2018, 217, 1537-1552.	2.3	35
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1652	Modeling signaling-dependent pluripotency with Boolean logic to predict cell fate transitions. <i>Molecular Systems Biology</i> , 2018, 14, e7952.	3.2	49
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1655	Efficient derivation of stable primed pluripotent embryonic stem cells from bovine blastocysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2090-2095.	3.3	181
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1659	Phosphorylation of ULK1 by AMPK is essential for mouse embryonic stem cell self-renewal and pluripotency. <i>Cell Death and Disease</i> , 2018, 9, 38.	2.7	37
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1661	Parallel derivation of isogenic human primed and naive induced pluripotent stem cells. <i>Nature Communications</i> , 2018, 9, 360.	5.8	104
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1663	VE-Cadherin regulates the self-renewal of mouse embryonic stem cells via LIF/Stat3 signaling pathway. <i>Biomaterials</i> , 2018, 158, 34-43.	5.7	16

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1665	Wnt Signaling in Stem Cells and Cancer Stem Cells: A Tale of Two Coactivators. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 153, 209-244.	0.9	40
1666	GCN5 Regulates FGF Signaling and Activates Selective MYC Target Genes during Early Embryoid Body Differentiation. <i>Stem Cell Reports</i> , 2018, 10, 287-299.	2.3	27
1667	Cell surface markers for the identification and study of human naive pluripotent stem cells. <i>Stem Cell Research</i> , 2018, 26, 36-43.	0.3	39
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1673	Blastocyst-like structures generated solely from stem cells. <i>Nature</i> , 2018, 557, 106-111.	13.7	366
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1755	Mammalian embryo comparison identifies novel pluripotency genes associated with the naïve or primed state. <i>Biology Open</i> , 2018, 7, .	0.6	32
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1761	In vitro generation of mouse polarized embryo-like structures from embryonic and trophoblast stem cells. <i>Nature Protocols</i> , 2018, 13, 1586-1602.	5.5	30
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1811	Epigenetic Regulation of Transition Among Different Pluripotent States: Concise Review. <i>Stem Cells</i> , 2019, 37, 1372-1380.	1.4	24
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1820	Defining Human Pluripotency. <i>Cell Stem Cell</i> , 2019, 25, 9-22.	5.2	67
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1825	The critical role of calcineurin/NFAT (C/N) pathways and effective antitumor prospect for colorectal cancers. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 19254-19273.	1.2	11
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1853	Inhibition of Human Y Chromosome Gene, <i>SRY</i> , Promotes Na <sup>+</sup> -ve State of Human Pluripotent Stem Cells. <i>Journal of Proteome Research</i> , 2019, 18, 4254-4261.	1.8	5
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1859	Activated MEK/ERK Pathway Drives Widespread and Coordinated Overexpression of UHRF1 and DNMT1 in Cancer cells. <i>Scientific Reports</i> , 2019, 9, 907.	1.6	26
1860	A novel chemically defined serum- and feeder-free medium for undifferentiated growth of porcine pluripotent stem cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 15380-15394.	2.0	9
1861	A regulatory circuitry locking pluripotent stemness to embryonic stem cell: Interaction between threonine catabolism and histone methylation. <i>Seminars in Cancer Biology</i> , 2019, 57, 72-78.	4.3	18
1862	Wnt/ $\beta$ -catenin signaling pathway safeguards epigenetic stability and homeostasis of mouse embryonic stem cells. <i>Scientific Reports</i> , 2019, 9, 948.	1.6	31
1863	Distinct dormancy progression depending on embryonic regions during mouse embryonic diapause. <i>Biology of Reproduction</i> , 2019, 100, 1204-1214.	1.2	18
1864	Induced Pluripotent Stem Cells Reprogrammed with Three Inhibitors Show Accelerated Differentiation Potentials with High Levels of 2-Cell Stage Marker Expression. <i>Stem Cell Reports</i> , 2019, 12, 305-318.	2.3	10
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1881	Pig Chimeric Model with Human Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2019, 2005, 101-124.	0.4	4
1882	Establishment of induced pluripotent stem cells from common marmoset fibroblasts by RNA-based reprogramming. <i>Biochemical and Biophysical Research Communications</i> , 2019, 515, 593-599.	1.0	17
1883	Kras promotes myeloid differentiation through Wnt/ $\beta$ -catenin signaling. <i>FASEB BioAdvances</i> , 2019, 1, 435-449.	1.3	5
1884	Stk40 deletion elevates c-JUN protein level and impairs mesoderm differentiation. <i>Journal of Biological Chemistry</i> , 2019, 294, 9959-9972.	1.6	5
1885	A distal enhancer maintaining Hoxa1 expression orchestrates retinoic acid-induced early ESCs differentiation. <i>Nucleic Acids Research</i> , 2019, 47, 6737-6752.	6.5	18
1886	Differentiation of primordial germ cells from premature ovarian insufficiency-derived induced pluripotent stem cells. <i>Stem Cell Research and Therapy</i> , 2019, 10, 156.	2.4	12
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1892	Live imaging of ERK signaling dynamics in differentiating mouse embryonic stem cells. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	22
1893	Automated Formal Reasoning to Uncover Molecular Programs of Self-Renewal. <i>Methods in Molecular Biology</i> , 2019, 1975, 79-105.	0.4	2
1894	Non-invasive detection of DNA methylation states in carcinoma and pluripotent stem cells using Raman microspectroscopy and imaging. <i>Scientific Reports</i> , 2019, 9, 7014.	1.6	24
1895	Liquid-type non-thermal atmospheric plasma ameliorates vocal fold scarring by modulating vocal fold fibroblast. <i>Experimental Biology and Medicine</i> , 2019, 244, 824-833.	1.1	7
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1897	Effect of embryo cryopreservation on derivation efficiency, pluripotency, and differentiation capacity of mouse embryonic stem cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 21962-21972.	2.0	7
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1900	Modulation of adhesion microenvironment using mesh substrates triggers self-organization and primordial germ cell-like differentiation in mouse ES cells. <i>APL Bioengineering</i> , 2019, 3, 016102.	3.3	4
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1904	Evolutionary view of pluripotency seen from early development of non-mammalian amniotes. <i>Developmental Biology</i> , 2019, 452, 95-103.	0.9	2
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1914	A TRIM71 binding long noncoding RNA Trinc1 represses FGF/ERK signaling in embryonic stem cells. Nature Communications, 2019, 10, 1368.	5.8	53
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1916	The molecular logic of Nanog-induced self-renewal in mouse embryonic stem cells. Nature Communications, 2019, 10, 1109.	5.8	88
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1927	Propagation and Maintenance of Mouse Embryonic Stem Cells. Methods in Molecular Biology, 2019, 1940, 33-45.	0.4	6
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1945	TGF $\beta$ Family Signaling Pathways in Pluripotent and Teratocarcinoma Stem Cells <sup>TM</sup> Fate Decisions: Balancing Between Self-Renewal, Differentiation, and Cancer. <i>Cells</i> , 2019, 8, 1500.	1.8	29
1946	Generation of Functional CX26 <sup>+</sup> Gap Junction <sup>+</sup> Plaque <sup>+</sup> Forming Cells with Spontaneous Ca <sup>2+</sup> Transients via a Gap Junction Characteristic of Developing Cochlea. <i>Current Protocols in Stem Cell Biology</i> , 2019, 51, e100.	3.0	2
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1948	Genetic Deletion of Hesx1 Promotes Exit from the Pluripotent State and Impairs Developmental Diapause. <i>Stem Cell Reports</i> , 2019, 13, 970-979.	2.3	9
1949	MLL1 Inhibition and Vitamin D Signaling Cooperate to Facilitate the Expanded Pluripotency State. <i>Cell Reports</i> , 2019, 29, 2659-2671.e6.	2.9	8
1950	Self-Organization of Mouse Stem Cells into an Extended Potential Blastoid. <i>Developmental Cell</i> , 2019, 51, 698-712.e8.	3.1	157
1951	Profiling embryonic stem cell differentiation by MALDI TOF mass spectrometry: development of a reproducible and robust sample preparation workflow. <i>Analyst, The</i> , 2019, 144, 6371-6381.	1.7	9
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1954	Increasing maternal age of blastocyst affects on efficient derivation and behavior of mouse embryonic stem cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 3716-3726.	1.2	8
1955	AMPK activators contribute to maintain naïve pluripotency in mouse embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 24-31.	1.0	9
1956	Clathrin-Mediated Endocytosis Regulates a Balance between Opposing Signals to Maintain the Pluripotent State of Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2019, 12, 152-164.	2.3	23
1957	In vitro breeding: application of embryonic stem cells to animal production <sup>+</sup> . <i>Biology of Reproduction</i> , 2019, 100, 885-895.	1.2	39
1958	Bioenergetic Changes Underline Plasticity of Murine Embryonic Stem Cells. <i>Stem Cells</i> , 2019, 37, 463-475.	1.4	4
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1962	Dppa3 in pluripotency maintenance of ES cells and early embryogenesis. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 4794-4799.	1.2	15
1963	Single blastomeres as a source of mouse embryonic stem cells: effect of genetic background, medium supplements, and signaling modulators on derivation efficiency. <i>Journal of Assisted Reproduction and Genetics</i> , 2019, 36, 99-111.	1.2	3
1964	Modern Ways of Obtaining Stem Cells. , 2019, , 17-36.		3
1965	Transition of inner cell mass to embryonic stem cells: mechanisms, facts, and hypotheses. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 873-892.	2.4	29
1966	Integrative Proteomic Profiling Reveals PRC2-Dependent Epigenetic Crosstalk Maintains Ground-State Pluripotency. <i>Cell Stem Cell</i> , 2019, 24, 123-137.e8.	5.2	90
1967	In vitro establishment of expanded-potential stem cells from mouse pre-implantation embryos or embryonic stem cells. <i>Nature Protocols</i> , 2019, 14, 350-378.	5.5	21
1968	Hydrodynamic shear stress promotes epithelial-mesenchymal transition by downregulating ERK and GSK3 $\beta$ activities. <i>Breast Cancer Research</i> , 2019, 21, 6.	2.2	65
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2118	Signal regulators of human naive pluripotency. <i>Experimental Cell Research</i> , 2020, 389, 111924.	1.2	16
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