Mieke Geens

List of Publications by Year
in descending order

42 papers	1,726 citations	304368 22 h-index	288905 40 g-index
46 all docs	46 docs citations	46 times ranked	2202 citing authors

#	Article	IF	Citations
1	Endogenous suppression of WNT signalling in human embryonic stem cells leads to low differentiation propensity towards definitive endoderm. Scientific Reports, 2021, 11, 6137.	1.6	6
2	Sustained intrinsic WNT and BMP4 activation impairs hESC differentiation to definitive endoderm and drives the cells towards extra-embryonic mesoderm. Scientific Reports, 2021, 11, 8242.	1.6	5
3	Gain of 20q11.21 in Human Pluripotent Stem Cells Impairs TGF-Î²-Dependent Neuroectodermal Commitment. Stem Cell Reports, 2019, 13, 163-176.	2.3	39
4	Uncovering low-level mosaicism in human embryonic stem cells using high throughput single cell shallow sequencing. Scientific Reports, 2019, 9, 14844.	1.6	12
5	Two decades of embryonic stem cells: a historical overview. Human Reproduction Open, 2019, 2019, hoy024.	2.3	59
6	High-throughput micropatterning platform reveals Nodal-dependent bisection of peri-gastrulationâ€“associated versus preneurulation-associated fate patterning. PLoS Biology, 2019, 17, e3000081.	2.6	34
7	BMP4 plays a role in apoptosis during human preimplantation development. Molecular Reproduction and Development, 2019, 86, 53-62.	1.0	17
8	The role of the reprogramming method and pluripotency state in gamete differentiation from patient-specific human pluripotent stem cells. Molecular Human Reproduction, 2018, 24, 173-184.	1.3	14
9	Genetic and epigenetic factors which modulate differentiation propensity in human pluripotent stem cells. Human Reproduction Update, 2018, 24, 162-175.	5.2	39
10	Random Mutagenesis, Clonal Events, and Embryonic or Somatic Origin Determine the mtDNA Variant Type and Load in Human Pluripotent StemÂCells. Stem Cell Reports, 2018, 11, 102-114.	2.3	23
11	The role of methylation, DNA polymorphisms and microRNAs on HLA-G expression in human embryonic stem cells. Stem Cell Research, 2017, 19, 118-127.	0.3	23
12	X chromosome inactivation in human pluripotent stem cells as a model for human development: back to the drawing board?. Human Reproduction Update, 2017, 23, 520-532.	5.2	34
13	A High Proliferation Rate is Critical for Reproducible and Standardized Embryoid Body Formation from Laminin-521-Based Human Pluripotent Stem Cell Cultures. Stem Cell Reviews and Reports, 2016, 12, 721-730.	5.6	8
14	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, 285-298.	1.3	20
15	Higher-Density Culture in Human Embryonic Stem Cells Results in DNA Damage and Genome Instability. Stem Cell Reports, 2016, 6, 330-341.	2.3	72
16	DAZL regulates Tet1 translation in murine embryonic stem cells. EMBO Reports, 2015, 16, 791-802.	2.0	24
17	Cyclin E1 plays a key role in balancing between totipotency and differentiation in human embryonic cells. Molecular Human Reproduction, 2015, 21, 942-956.	1.3	13
18	The Role of D4Z4-Encoded Proteins in the Osteogenic Differentiation of Mesenchymal Stromal Cells Isolated from Bone Marrow. Stem Cells and Development, 2015, 24, 2674-2686.	1.1	10

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19	Gain of 20q11.21 in human embryonic stem cells improves cell survival by increased expression of Bcl-xL. Molecular Human Reproduction, 2014, 20, 168-177.	1.3	97
20	DUX4 expression during osteogenic differentiation in mesenchymal stromal cells (MSCs). Cytotherapy, 2014, 16, S65.	0.3	0
21	Totipotency and lineage segregation in the human embryo. Molecular Human Reproduction, 2014, 20, 599-618.	1.3	55
22	CAR expression in human embryos and hESC illustrates its role in pluripotency and tight junctions. Reproduction, 2014, 148, 531-544.	1.1	22
23	Human embryonic stem cells show low-grade microsatellite instability. Molecular Human Reproduction, 2014, 20, 981-989.	1.3	10
24	Low-grade chromosomal mosaicism in human somatic and embryonic stem cell populations. Nature Communications, 2014, 5, 4227.	5.8	37
25	Genetic and epigenetic instability in human pluripotent stem cells. Human Reproduction Update, 2013, 19, 187-205.	5.2	75
26	Role of BMP Signaling in Pancreatic Progenitor Differentiation from Human Embryonic Stem Cells. Stem Cell Reviews and Reports, 2013, 9, 569-577.	5.6	26
27	Human embryonic stem cells commonly display large mitochondrial DNA deletions. Nature Biotechnology, 2013, 31, 20-23.	9.4	28
28	FGF signaling via MAPK is required early and improves Activin A-induced definitive endoderm formation from human embryonic stem cells. Biochemical and Biophysical Research Communications, 2012, 426, 380-385.	1.0	30
29	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.	0.4	4
30	Spermatogonial stem cells as a source for regenerative medicine. Middle East Fertility Society Journal, 2012, 17, 1-7.	0.5	7
31	Cell selection by selective matrix adhesion is not sufficiently efficient for complete malignant cell depletion from contaminated human testicular cell suspensions. Fertility and Sterility, 2011, 95, 787-791.	0.5	28
32	Sertoli cell-conditioned medium induces germ cell differentiation in human embryonic stem cells. Journal of Assisted Reproduction and Genetics, 2011, 28, 471-480.	1.2	35
33	Strategies for fertility preservation and restoration in the male. Facts, Views & Vision in ObGyn, 2011, 3, 302-10.	0.5	1
34	Mouse spermatogonial stem cells obtain morphologic and functional characteristics of hematopoietic cells in vivo. Human Reproduction, 2010, 25, 3101-3109.	0.4	23
35	Human embryonic stem cell lines derived from single blastomeres of two 4-cell stage embryos. Human Reproduction, 2009, 24, 2709-2717.	0.4	77
36	Recurrent chromosomal abnormalities in human embryonic stem cells. Nature Biotechnology, 2008, 26, 1361-1363.	9.4	230

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37	Cryosurvival and spermatogenesis after allografting prepubertal mouse tissue: comparison of two cryopreservation protocols. Fertility and Sterility, 2008, 89, 725-727.	0.5	63
38	Spermatogonial survival in long-term human prepubertal xenografts. Fertility and Sterility, 2008, 90, 2019-2022.	0.5	75
39	Autologous spermatogonial stem cell transplantation in man: current obstacles for a future clinical application. Human Reproduction Update, 2008, 14, 121-130.	5.2	63
40	Reply: Isolation of germ cells from leukaemic cells. Human Reproduction, 2007, 22, 2797-2798.	0.4	3
41	The efficiency of magnetic-activated cell sorting and fluorescence-activated cell sorting in the decontamination of testicular cell suspensions in cancer patients. Human Reproduction, 2007, 22, 733-742.	0.4	149
42	Spermatogonial survival after grafting human testicular tissue to immunodeficient mice. Human Reproduction, 2006, 21, 390-396.	0.4	132