Paul De Sousa

List of Publications by Year in Descending Order

101 papers	5,393 citations	37 h-index	73 g-index
105 ext. papers	5,772 ext. citations	6.8 avg, IF	4.89 L-index

#	Paper	IF	Citations
101	Human Embryonic Stem Cell Banking for Clinical Applications20 Years from Their Isolation **2021**, 273-286		
100	EBiSC best practice: How to ensure optimal generation, qualification, and distribution of iPSC lines. *Stem Cell Reports*, **2021**, 16, 1853-1867	8	4
99	Sufficiency of hypoxia-inducible 2-oxoglutarate dioxygenases to block chemical oxidative stress-induced differentiation of human embryonic stem cells. *Stem Cell Research*, **2019**, 34, 101358	1.6	5
98	Renewed assessment of the risk of emergent advanced cell therapies to transmit neuroproteinopathies. *Acta Neuropathologica*, **2019**, 137, 363-377	14.3	1
97	Quality Assessment and Production of Human Cells for Clinical Use. *Methods in Molecular Biology*, **2018**, 1780, 607-629	1.4	1
96	Hot Start to European Pluripotent Stem Cell Banking. *Trends in Biotechnology*, **2017**, 35, 573-576	15.1	4
95	Quality Assured Characterization of Stem Cells for Safety in Banking for Clinical Application. *Methods in Molecular Biology*, **2017**, 1590, 79-98	1.4	3
94	Rapid establishment of the European Bank for induced Pluripotent Stem Cells (EBiSC) - the Hot Start experience. *Stem Cell Research*, **2017**, 20, 105-114	1.6	45
93	Derivation of the human embryonic stem cell line RCe010-A (RC-6). *Stem Cell Research*, **2016**, 16, 481-4	1.6	1
92	Derivation of the clinical grade human embryonic stem cell line RCe021-A (RC-17). *Stem Cell Research*, **2016**, 17, 1-5	1.6	12
91	Derivation of the human embryonic stem cell line RCM1. *Stem Cell Research*, **2016**, 16, 476-80	1.6	2
90	Derivation of the human embryonic stem cell line RCe006-A (RC-2). *Stem Cell Research*, **2016**, 16, 452-5	1.6	1
89	Derivation of the human embryonic stem cell line RCe011-A (RC-7). *Stem Cell Research*, **2016**, 16, 485-8	1.6	1
88	Derivation of the clinical grade human embryonic stem cell line RCe020-a (RC-16). *Stem Cell Research*, **2016**, 16, 790-4	1.6	2
87	Derivation of the clinical grade human embryonic stem cell line RCe013-A (RC-9). *Stem Cell Research* , **2016**, 17, 36-41	1.6	12
86	Derivation of the clinical grade human embryonic stem cell line RCe015-A (RC-11). *Stem Cell Research*, **2016**, 17, 42-48	1.6	3
85	A scalable label-free approach to separate human pluripotent cells from differentiated derivatives. *Biomicrofluidics*, **2016**, 10, 014107	3.2	7

84	Challenges of Scale-up of Cell Separation and Purification Techniques **2016**, 127-165		
83	Derivation of the human embryonic stem cell line RCe007-A (RC-3). *Stem Cell Research*, **2016**, 16, 593-6	1.6	1
82	Derivation of the clinical grade human embryonic stem cell line RCe018-A (RC-14). *Stem Cell Research*, **2016**, 16, 761-5	1.6	2
81	Derivation of the human embryonic stem cell line RCe009-A (RC-5). *Stem Cell Research*, **2016**, 16, 418-22	1.6	1
80	Derivation of the human embryonic stem cell line RCe012-A (RC-8). *Stem Cell Research*, **2016**, 16, 489-92	1.6	1
79	Derivation of the human embryonic stem cell line RCe014-A (RC-10). *Stem Cell Research*, **2016**, 16, 537-40	1.6	1
78	Derivation of the human embryonic stem cell line RCe008-A (RC-4). *Stem Cell Research*, **2016**, 16, 607-10	1.6	1
77	Derivation of the clinical grade human embryonic stem cell line RCe016-A (RC-12). *Stem Cell Research*, **2016**, 16, 770-5	1.6	3
76	Development and production of good manufacturing practice grade human embryonic stem cell lines as source material for clinical application. *Stem Cell Research*, **2016**, 17, 379-390	1.6	32
75	Derivation of the clinical grade human embryonic stem cell line RCe019-A (RC-15). *Stem Cell Research*, **2016**, 16, 751-5	1.6	2
74	Derivation of the clinical grade human embryonic stem cell line RCe017-A (RC-13). *Stem Cell Research*, **2016**, 16, 756-60	1.6	2
73	Expression of FBN1 during adipogenesis: Relevance to the lipodystrophy phenotype in Marfan syndrome and related conditions. *Molecular Genetics and Metabolism*, **2016**, 119, 174-85	3.7	15
72	Datasets of genes coexpressed with FBN1 in mouse adipose tissue and during human adipogenesis. *Data in Brief*, **2016**, 8, 851-7	1.2	2
71	Thermoresponsive hydrogel maintains the mouse embryonic stem cell "naïve" pluripotency phenotype. *Biomaterials Science*, **2015**, 3, 1371-5	7.4	8
70	Points to consider in the development of seed stocks of pluripotent stem cells for clinical applications: International Stem Cell Banking Initiative (ISCBI). *Regenerative Medicine*, **2015**, 10, 1-44	2.5	77
69	The Molecular Karyotype of 25 Clinical-Grade Human Embryonic Stem Cell Lines. *Scientific Reports*, **2015**, 5, 17258	4.9	47
68	Novel Human Embryonic Stem Cell Regulators Identified by Conserved and Distinct CpG Island Methylation State. *PLoS ONE*, **2015**, 10, e0131102	3.7	14
67	Long term mesenchymal stem cell culture on a defined synthetic substrate with enzyme free passaging. *Biomaterials*, **2014**, 35, 5998-6005	15.6	28

66	White matter tract and glial-associated changes in 5-hydroxymethylcytosine following chronic cerebral hypoperfusion. *Brain Research*, **2014**, 1592, 82-100	3.7	6
65	A high-throughput polymer microarray approach for identifying defined substrates for mesenchymal stem cells. *Biomaterials Science*, **2014**, 2, 1683-1692	7.4	9
64	High-density polymer microarrays: identifying synthetic polymers that control human embryonic stem cell growth. *Advanced Healthcare Materials*, **2014**, 3, 848-53	10.1	24
63	Human tonsil-derived follicular dendritic-like cells are refractory to human prion infection in vitro and traffic disease-associated prion protein to lysosomes. *American Journal of Pathology*, **2014**, 184, 64-70	5.8	8
62	5-azacytidine improves the osteogenic differentiation potential of aged human adipose-derived mesenchymal stem cells by DNA demethylation. *PLoS ONE*, **2014**, 9, e90846	3.7	56
61	Monocrotophos in Gandaman village: India school lunch deaths and need for improved toxicity testing. *Archives of Toxicology*, **2013**, 87, 1877-81	5.8	22
60	A thermoresponsive and chemically defined hydrogel for long-term culture of human embryonic stem cells. *Nature Communications*, **2013**, 4, 1335	17.4	99
59	Paracrine signalling events in embryonic stem cell renewal mediated by affinity targeted nanoparticles. *Biomaterials*, **2012**, 33, 6634-43	15.6	23
58	Dielectrophoresis based discrimination of human embryonic stem cells from differentiating derivatives. *Biomicrofluidics*, **2012**, 6, 44113	3.2	33
57	A role for intracellular calcium downstream of G-protein signaling in undifferentiated human embryonic stem cell culture. *Stem Cell Research*, **2012**, 9, 171-84	1.6	21
56	Semi-quantitative immunohistochemical detection of 5-hydroxymethyl-cytosine reveals conservation of its tissue distribution between amphibians and mammals. *Epigenetics*, **2012**, 7, 137-40	5.7	21
55	Stem Cells in the Development of Products for Regenerative Medicine **2012**, 77-97		1
54	Balancing open source stem cell science with commercialization. *Nature Biotechnology*, **2011**, 29, 115-6	44.5	9
53	Human embryonic stem cells rapidly take up and then clear exogenous human and animal prions in vitro. *Journal of Pathology*, **2011**, 223, 635-45	9.4	12
52	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. *Nature Biotechnology*, **2011**, 29, 1132-44	44.5	406
51	Lineage-specific distribution of high levels of genomic 5-hydroxymethylcytosine in mammalian development. *Cell Research*, **2011**, 21, 1332-42	24.7	161
50	Elasticity of human embryonic stem cells as determined by atomic force microscopy. *Journal of Biomechanical Engineering*, **2011**, 133, 101009	2.1	26
49	Dielectrophoresis: a review of applications for stem cell research. *Journal of Biomedicine and Biotechnology*, **2010**, 2010, 182581		93

48	Red blood cells from pluripotent stem cells for use in transfusion. *Regenerative Medicine*, **2010**, 5, 411-23	2.5	9
47	Brain-derived neurotrophic factor is a regulator of human oocyte maturation and early embryo development. *Fertility and Sterility*, **2010**, 93, 1394-406	4.8	31
46	Cloning in Research and Treatment of Human Genetic Disease **2010**, 875-883		
45	Observing Huntington's Disease: the European Huntington's Disease Network's REGISTRY. *PLOS Currents*, **2010**, 2,		64
44	Cumulus gene expression as a predictor of human oocyte fertilisation, embryo development and competence to establish a pregnancy. *Reproduction*, **2009**, 138, 629-37	3.8	84
43	Clinically failed eggs as a source of normal human embryo stem cells. *Stem Cell Research*, **2009**, 2, 188-97	1.6	26
42	Consensus guidance for banking and supply of human embryonic stem cell lines for research purposes. *Stem Cell Reviews and Reports*, **2009**, 5, 301-14	6.4	115
41	Human parthenogenetic embryo stem cells: appreciating what you have when you have it. *Cell Stem Cell*, **2007**, 1, 243-4	18	14
40	The road to providing human embryo stem cells for therapeutic use: the UK experience. *Reproduction*, **2006**, 132, 681-9	3.8	13
39	Variations in humanized and defined culture conditions supporting derivation of new human embryonic stem cell lines. *Cloning and Stem Cells*, **2006**, 8, 319-34		50
38	Maintenance of pregnancy in pigs with limited viable embryos. *Methods in Molecular Biology*, **2006**, 348, 79-90	1.4	1
37	Brain-derived neurotrophic factor promotes bovine oocyte cytoplasmic competence for embryo development. *Reproduction*, **2005**, 129, 423-34	3.8	57
36	Neurotrophin signaling in oocyte survival and developmental competence: a paradigm for cellular toti-potency. *Cloning and Stem Cells*, **2004**, 6, 375-85		11
35	Effects of donor oocytes and culture conditions on development of cloned mice embryos. *Molecular Reproduction and Development*, **2003**, 66, 126-33	2.6	26
34	Proliferative lifespan is conserved after nuclear transfer. *Nature Cell Biology*, **2003**, 5, 535-8	23.4	64
33	Human cloning: can it be made safe?. *Nature Reviews Genetics*, **2003**, 4, 855-64	30.1	50
32	Cloned mice derived from embryonic stem cell karyoplasts and activated cytoplasts prepared by induced enucleation. *Biology of Reproduction*, **2003**, 68, 1259-66	3.9	57
31	Effect of cell confluence on production of cloned mice using an inbred embryonic stem cell line. *Biology of Reproduction*, **2003**, 68, 595-603	3.9	50

30	Somatic cell nuclear transfer. *Nature*, **2002**, 419, 583-6	50.4	419
29	Improvement of an electrical activation protocol for porcine oocytes. *Biology of Reproduction*, **2002**, 66, 635-41	3.9	54
28	Germinal vesicle material is essential for nucleus remodeling after nuclear transfer. *Biology of Reproduction*, **2002**, 67, 928-34	3.9	74
27	Embryo development and establishment of pregnancy after embryo transfer in pigs: coping with limitations in the availability of viable embryos. *Reproduction*, **2002**, 123, 507-515	3.8	26
26	Somatic cell nuclear transfer: recent progress and challenges. *Cloning and Stem Cells*, **2002**, 4, 81-90		56
25	Somatic cell nuclear transfer in the pig: control of pronuclear formation and integration with improved methods for activation and maintenance of pregnancy. *Biology of Reproduction*, **2002**, 66, 642-50	3.9	155
24	Deletion of the alpha(1,3)galactosyl transferase (GGTA1) gene and the prion protein (PrP) gene in sheep. *Nature Biotechnology*, **2001**, 19, 559-62	44.5	216
23	Evaluation of gestational deficiencies in cloned sheep fetuses and placentae. *Biology of Reproduction*, **2001**, 65, 23-30	3.9	171
22	Sensitivity of bovine blastocyst gene expression patterns to culture environments assessed by differential display RT-PCR. *Reproduction*, **2001**, 122, 687-693	3.8	48
21	Impact of bovine oocyte maturation media on oocyte transcript levels, blastocyst development, cell number, and apoptosis. *Biology of Reproduction*, **2000**, 62, 355-64	3.9	138
20	Reprogramming of fibroblast nuclei after transfer into bovine oocytes. *Cloning*, **1999**, 1, 63-9		52
19	Gene expression regulating blastocyst formation. *Theriogenology*, **1999**, 51, 117-33	2.8	56
18	Analysis of variation in relative mRNA abundance for specific gene transcripts in single bovine oocytes and early embryos. *Molecular Reproduction and Development*, **1998**, 49, 119-30	2.6	69
17	Oogenetic and zygotic gene expression directing early bovine embryogenesis: a review. *Molecular Reproduction and Development*, **1998**, 51, 112-21	2.6	65
16	Temporal patterns of embryonic gene expression and their dependence on oogenetic factors. *Theriogenology*, **1998**, 49, 115-28	2.8	77
15	Transient expression of a translation initiation factor is conservatively associated with embryonic gene activation in murine and bovine embryos. *Biology of Reproduction*, **1998**, 59, 969-77	3.9	54
14	Analysis of variation in relative mRNA abundance for specific gene transcripts in single bovine oocytes and early embryos **1998**, 49, 119		3
13	Localization of □subunits and comparison of □subunit transcript levels in single cultured and in vivo bovine blastocysts. *Theriogenology*, **1997**, 47, 316	2.8	2

12	Effects of brefeldin-A and monensin on organelle distribution and morphology in the preimplantation mouse embryo. *Development Genes and Evolution*, **1997**, 206, 503-514	1.8	1
11	Normal development of preimplantation mouse embryos deficient in gap junctional coupling. *Journal of Cell Science*, **1997**, 110, 1751-1758	5.3	37
10	Normal development of preimplantation mouse embryos deficient in gap junctional coupling. *Journal of Cell Science*, **1997**, 110 (Pt 15), 1751-8	5.3	7
9	Transient expression of translation initiation factor eIF-4C during the 2-cell stage of the preimplantation mouse embryo: identification by mRNA differential display and the role of DNA replication in zygotic gene activation. *Developmental Biology*, **1996**, 174, 190-201	3.1	144
8	Cardiac malformation in neonatal mice lacking connexin43. *Science*, **1995**, 267, 1831-4	33.3	1095
7	Regulation of gene expression in the preimplantation mouse embryo. *Theriogenology*, **1995**, 44, 1115-1123	2.8	8
6	Regulation of Na+,K(+)-ATPase alpha subunit gene expression during mouse preimplantation development. *Developmental Biology*, **1994**, 162, 259-66	3.1	33
5	Coexpression of gap junction proteins in the cumulus-oocyte complex. *Molecular Reproduction and Development*, **1993**, 36, 7-15	2.6	67
4	Connexin trafficking and the control of gap junction assembly in mouse preimplantation embryos. *Development (Cambridge)*, **1993**, 117, 1355-67	6.6	16
3	Connexin trafficking and the control of gap junction assembly in mouse preimplantation embryos. *Development (Cambridge)*, **1993**, 117, 1355-1367	6.6	90
2	Zygotic expression of the connexin43 gene supplies subunits for gap junction assembly during mouse preimplantation development. *Molecular Reproduction and Development*, **1991**, 30, 18-26	2.6	53
1	The effect of cytochalasin D on protein synthesis in Xenopus laevis oocytes. *Molecular Reproduction and Development*, **1990**, 26, 248-52	2.6	9