Poul Hyttel

List of Publications by Year
in descending order

45 papers	1,289 citations	394421 19 h-index	377865 34 g-index
47 all docs	47 docs citations	47 times ranked	1852 citing authors

#	Article	IF	Citations
1	The Gametic Synapse: RNA Transfer to the Bovine Oocyte1. Biology of Reproduction, 2014, 91, 90.	2.7	148
2	Cumulus Cell Transcripts Transit to the Bovine Oocyte in Preparation for Maturation1. Biology of Reproduction, 2016, 94, 16.	2.7	122
3	Transient p53 Suppression Increases Reprogramming of Human Fibroblasts without Affecting Apoptosis and DNA Damage. Stem Cell Reports, 2014, 3, 404-413.	4.8	114
4	Porcine pluripotency cell signaling develops from the inner cell mass to the epiblast during early development. Developmental Dynamics, 2009, 238, 2014-2024.	1.8	97
5	Patient iPSC-Derived Neurons for Disease Modeling of Frontotemporal Dementia with Mutation in CHMP2B. Stem Cell Reports, 2017, 8, 648-658.	4.8	65
6	Neurosphere Based Differentiation of Human iPSC Improves Astrocyte Differentiation. Stem Cells International, 2016, 2016, 1-15.	2.5	53
7	Generation of a gene-corrected isogenic control cell line from an Alzheimer's disease patient iPSC line carrying a A79V mutation in PSEN1. Stem Cell Research, 2016, 17, 285-288.	0.7	45
8	Threeâ€dimensional localisation of NANOG, OCT4, and Eâ€cadherin in porcine preâ€and periâ€implantation embryos. Developmental Dynamics, 2011, 240, 204-210.	1.8	41
9	Immunolocalization of Nucleolar Proteins During Bovine Oocyte Growth, Meiotic Maturation, and Fertilization1. Biology of Reproduction, 2001, 64, 1516-1525.	2.7	39
10	Glutamate-glutamine homeostasis is perturbed in neurons and astrocytes derived from patient iPSC models of frontotemporal dementia. Molecular Brain, 2020, 13, 125.	2.6	36
11	Generation of a gene-corrected isogenic control hiPSC line derived from a familial Alzheimer's disease patient carrying a L150P mutation in presenilin 1. Stem Cell Research, 2016, 17, 466-469.	0.7	33
12	Mammalian embryo comparison identifies novel pluripotency genes associated with the naÃ¯ve or primed state. Biology Open, 2018, 7, .	1.2	32
13	Lysosomal perturbations in human dopaminergic neurons derived from induced pluripotent stem cells with PARK2 mutation. Scientific Reports, 2020, 10, 10278.	3.3	31
14	Ultrastructural and molecular distinctions between the porcine inner cell mass and epiblast reveal unique pluripotent cell states. Developmental Dynamics, 2010, 239, 2911-2920.	1.8	29
15	Nucleologenesis and Ribonucleic Acid Synthesis in Preimplantation Equine Embryos1. Biology of Reproduction, 1996, 55, 769-774.	2.7	28
16	Modelling the neuropathology of lysosomal storage disorders through disease-specific human induced pluripotent stem cells. Experimental Cell Research, 2019, 380, 216-233.	2.6	28
17	Generation of induced pluripotent stem cells (iPSCs) from an Alzheimer's disease patient carrying an A79V mutation in PSEN1. Stem Cell Research, 2016, 16, 229-232.	0.7	27
18	Identification of bioactive metabolites in human iPSC-derived dopaminergic neurons with PARK2 mutation: Altered mitochondrial and energy metabolism. Stem Cell Reports, 2021, 16, 1510-1526.	4.8	25

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19	Detailed analysis of pronucleus development in bovine zygotes in vivo: Ultrastructure and cell cycle chronology. Molecular Reproduction and Development, 1996, 43, 62-69.	2.0	23
20	Astrocytic reactivity triggered by defective autophagy and metabolic failure causes neurotoxicity in frontotemporal dementia type 3. Stem Cell Reports, 2021, 16, 2736-2751.	4.8	23
21	Generation of transgene-free porcine intermediate type induced pluripotent stem cells. Cell Cycle, 2018, 17, 2547-2563.	2.6	22
22	Evidence for nucleolar dysfunction in Alzheimerâ€™s disease. Reviews in the Neurosciences, 2019, 30, 685-700.	2.9	20
23	Cellular alterations identified in pluripotent stem cell-derived midbrain spheroids generated from a female patient with progressive external ophthalmoplegia and parkinsonism who carries a novel variation (p.Q811R) in the POLG1 gene. Acta Neuropathologica Communications, 2019, 7, 208.	5.2	20
24	Induced Pluripotent Stem Cells Derived from Alzheimerâ€™s Disease Patients: The Promise, the Hope and the Path Ahead. Journal of Clinical Medicine, 2014, 3, 1402-1436.	2.4	17
25	Alpha7 nicotinic acetylcholine receptors and neural network synaptic transmission in human induced pluripotent stem cell-derived neurons. Stem Cell Research, 2019, 41, 101642.	0.7	15
26	Three-dimensional immunohistochemical characterization of lineage commitment by localization of T and FOXA2 in porcine peri-implantation embryos. Developmental Dynamics, 2011, 240, 890-897.	1.8	14
27	Characterization of energy and neurotransmitter metabolism in cortical glutamatergic neurons derived from human induced pluripotent stem cells: A novel approach to study metabolism in human neurons. Neurochemistry International, 2017, 106, 48-61.	3.8	14
28	Characterization of the endometrial transcriptome in early diestrus influencing pregnancy status in dairy cattle after transfer of in vitro-produced embryos. Physiological Genomics, 2020, 52, 269-279.	2.3	14
29	Systematic in vitro and in vivo characterization of Leukemiaâ€inhibiting factorâ€and Fibroblast growth factorâ€derived porcine induced pluripotent stem cells. Molecular Reproduction and Development, 2017, 84, 229-245.	2.0	13
30	Identification of potential biomarkers in donor cows for in vitro embryo production by granulosa cell transcriptomics. PLoS ONE, 2017, 12, e0175464.	2.5	13
31	Generation of induced pluripotent stem cells (iPSCs) from an Alzheimer's disease patient carrying a M146I mutation in PSEN1. Stem Cell Research, 2016, 16, 334-337.	0.7	11
32	The positional identity of iPSC-derived neural progenitor cells along the anterior-posterior axis is controlled in a dosage-dependent manner by bFGF and EGF. Differentiation, 2016, 92, 183-194.	1.9	10
33	Generation of spinocerebellar ataxia type 3 patient-derived induced pluripotent stem cell line SCA3.B11. Stem Cell Research, 2016, 16, 589-592.	0.7	9
34	Impaired APP activity and altered tau splicing in embryonic stem cell-derived astrocytes derived from the APPsw transgenic minipig. DMM Disease Models and Mechanisms, 2015, 8, 1265-78.	2.4	8
35	Morphology of the oocyte-follicular connection in the mare. Anatomy and Embryology, 1999, 199, 21-28.	1.5	7
36	Derivation of induced pluripotent stem cells from a familial Alzheimer's disease patient carrying the L282F mutation in presenilin 1. Stem Cell Research, 2016, 17, 470-473.	0.7	7

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37	Development of the Entorhinal Cortex Occurs via Parallel Lamination During Neurogenesis. Frontiers in Neuroanatomy, 2021, 15, 663667.	1.7	7
38	Generation of a human induced pluripotent stem cell line via CRISPR-Cas9 mediated integration of a site-specific heterozygous mutation in CHMP2B. Stem Cell Research, 2016, 17, 148-150.	0.7	6
39	Generation of a human induced pluripotent stem cell line via CRISPR-Cas9 mediated integration of a site-specific homozygous mutation in CHMP2B. Stem Cell Research, 2016, 17, 151-153.	0.7	5
40	Identification of SSEA-1 expressing enhanced reprogramming (SEER) cells in porcine embryonic fibroblasts. Cell Cycle, 2017, 16, 1070-1084.	2.6	5
41	Oocytes, embryos and pluripotent stem cells from a biomedical perspective. Animal Reproduction, 2019, 16, 508-523.	1.0	4
42	Detailed analysis of pronucleus development in bovine zygotes in vivo: Ultrastructure and cell cycle chronology. Molecular Reproduction and Development, 1996, 43, 62-69.	2.0	3
43	Bovine in-vitro produced embryos: Development of embryo proper and associated membranes from day 26 to 47 of gestation. Reproductive Biology, 2020, 20, 595-599.	1.9	2
44	Enrichment of retinal ganglion and MÃ¼ller glia progenitors from retinal organoids derived from human induced pluripotent stem cells - possibilities and current limitations. World Journal of Stem Cells, 2020, 12, 1171-1183.	2.8	2
45	Neural Derivates of Canine Induced Pluripotent Stem Cells-Like Cells From a Mild Cognitive Impairment Dog. Frontiers in Veterinary Science, 2021, 8, 725386.	2.2	2