Hung-Chih Kuo

List of Publications by Year
in descending order

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68	3,707	109264	133188
papers	citations	35 h-index	59 g-index

68	68	68	6167
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The emerging roles and functions of circular RNAs and their generation. Journal of Biomedical Science, 2019, 26, 29.	2.6	297
2	The circular RNA circBIRC6 participates in the molecular circuitry controlling human pluripotency. Nature Communications, 2017, 8, 1149.	5.8	247
3	Rapid generation of mature hepatocyte-like cells from human induced pluripotent stem cells by an efficient three-step protocol. Hepatology, 2012, 55, 1193-1203.	3.6	242
4	Loss of non-coding RNA expression from the DLK1-DIO3 imprinted locus correlates with reduced neural differentiation potential in human embryonic stem cell lines. Stem Cell Research and Therapy, 2015, 6, 1.	2.4	198
5	Functional roles and networks of non-coding RNAs in the pathogenesis of neurodegenerative diseases. Journal of Biomedical Science, 2020, 27, 49.	2.6	143
6	Derivation, characterization and differentiation of human embryonic stem cells: comparing serum-containing versus serum-free media and evidence of germ cell differentiation. Human Reproduction, 2007, 22, 567-577.	0.4	135
7	Human Pompe disease-induced pluripotent stem cells for pathogenesis modeling, drug testing and disease marker identification. Human Molecular Genetics, 2011, 20, 4851-4864.	1.4	129
8	Pluripotency of mouse spermatogonial stem cells maintained by IGFâ€1â€dependent pathway. FASEB Journal, 2009, 23, 2076-2087.	0.2	100
9	Inhibition of soluble tumor necrosis factor is therapeutic in Huntington's disease. Human Molecular Genetics, 2014, 23, 4328-4344.	1.4	92
10	Integrative transcriptome sequencing identifies trans-splicing events with important roles in human embryonic stem cell pluripotency. Genome Research, 2014, 24, 25-36.	2.4	91
11	Isolation and Characterization of Novel Rhesus Monkey Embryonic Stem Cell Lines. Stem Cells, 2006, 24, 2177-2186.	1.4	88
12	Inhibition of Japanese encephalitis virus infection by the host zinc-finger antiviral protein. PLoS Pathogens, 2018, 14, e1007166.	2.1	84
13	Lack of cell cycle checkpoints in human cleavage stage embryos revealed by a clonal pattern of chromosomal mosaicism analysed by sequential multicolour FISH. Zygote, 2000, 8, 217-224.	0.5	81
14	Epithelial Cell Adhesion Molecule (EpCAM) Complex Proteins Promote Transcription Factor-mediated Pluripotency Reprogramming. Journal of Biological Chemistry, 2011, 286, 33520-33532.	1.6	80
15	Oct-4 Expression in Pluripotent Cells of the Rhesus Monkey1. Biology of Reproduction, 2003, 69, 1785-1792.	1.2	76
16	Elucidating the role of the A_{2A}adenosine receptor in neurodegeneration using neurons derived from Huntington's disease iPSCs. Human Molecular Genetics, 2015, 24, 6066-6079.	1.4	76
17	Aberrant astrocytes impair vascular reactivity in <scp>H</scp>untington disease. Annals of Neurology, 2015, 78, 178-192.	2.8	74
18	Monozygotic Twinning in Rhesus Monkeys by Manipulation of In Vitro-Derived Embryos1. Biology of Reproduction, 2002, 66, 1449-1455.	1.2	71

#	Article	IF	Citations
19	Integrative transcriptome sequencing reveals extensive alternative trans-splicing and cis-backsplicing in human cells. Nucleic Acids Research, 2018, 46, 3671-3691.	6.5	62
20	Opportunities and challenges for the use of induced pluripotent stem cells in modelling neurodegenerative disease. Open Biology, 2019, 9, 180177.	1.5	59
21	LHX2 regulates the neural differentiation of human embryonic stem cells via transcriptional modulation of PAX6 and CER1. Nucleic Acids Research, 2013, 41, 7753-7770.	6.5	58
22	Differentiation of Monkey Embryonic Stem Cells into Neural Lineages1. Biology of Reproduction, 2003, 68, 1727-1735.	1.2	56
23	Surface Marker Epithelial Cell Adhesion Molecule and E-cadherin Facilitate the Identification and Selection of Induced Pluripotent Stem Cells. Stem Cell Reviews and Reports, 2011, 7, 722-735.	5.6	55
24	Lhx2 regulates a cortex-specific mechanism for barrel formation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4913-21.	3.3	55
25	Chromosomal mosaicism in cleavage-stage human embryos and the accuracy of single-cell genetic analysis. Journal of Assisted Reproduction and Genetics, 1998, 15, 276-280.	1.2	54
26	Aryl hydrocarbon receptor modulates stroke-induced astrogliosis and neurogenesis in the adult mouse brain. Journal of Neuroinflammation, 2019, 16, 187.	3.1	54
27	Is an observed non-co-linear RNA product spliced intrans, incisor justin vitro?. Nucleic Acids Research, 2014, 42, 9410-9423.	6.5	52
28	Lhx2 regulates the timing of Î²-catenin-dependent cortical neurogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12199-12204.	3.3	50
29	Progress with Nonhuman Primate Embryonic Stem Cells1. Biology of Reproduction, 2004, 71, 1766-1771.	1.2	47
30	Suppression of the SOX2 Neural Effector Gene by PRDM1 Promotes Human Germ Cell Fate in Embryonic Stem Cells. Stem Cell Reports, 2014, 2, 189-204.	2.3	44
31	Chemotherapeutic Sensitivity of Testicular Germ Cell Tumors Under Hypoxic Conditions Is Negatively Regulated by SENP1-Controlled Sumoylation of OCT4. Cancer Research, 2012, 72, 4963-4973.	0.4	43
32	Directed differentiation of rhesus monkey ES cells into pancreatic cell phenotypes. Reproductive Biology and Endocrinology, 2004, 2, 42.	1.4	40
33	Serotonin neurons derived from rhesus monkey embryonic stem cells: similarities to CNS serotonin neurons. Experimental Neurology, 2004, 188, 351-364.	2.0	39
34	Meiotic Competent Human Germ Cell-like Cells Derived from Human Embryonic Stem Cells Induced by BMP4/WNT3A Signaling and OCT4/EpCAM (Epithelial Cell Adhesion Molecule) Selection. Journal of Biological Chemistry, 2012, 287, 14389-14401.	1.6	36
35	A reduced oxygen tension (5%) is not beneficial for maintaining human embryonic stem cells in the undifferentiated state with short splitting intervals. Human Reproduction, 2008, 24, 71-80.	0.4	35
36	Novel autogenic feeders derived from human embryonic stem cells (hESCs) support an undifferentiated status of hESCs in xeno-free culture conditions. Human Reproduction, 2009, 24, 1114-1125.	0.4	35

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37	Direct Conversion of Human Fibroblasts into Neural Progenitors Using Transcription Factors Enriched in Human ESC-Derived Neural Progenitors. Stem Cell Reports, 2017, 8, 54-68.	2.3	34
38	Hypoxic Culture Maintains Self-Renewal and Enhances Embryoid Body Formation of Human Embryonic Stem Cells. Tissue Engineering - Part A, 2010, 16, 2901-2913.	1.6	33
39	Characteristic Expression of Major Histocompatibility Complex and Immune Privilege Genes in Human Pluripotent Stem Cells and Their Derivatives. Cell Transplantation, 2015, 24, 845-864.	1.2	33
40	TGF-Î²I Regulates Cell Migration through Pluripotent Transcription Factor OCT4 in Endometriosis. PLoS ONE, 2015, 10, e0145256.	1.1	31
41	Modeling spinocerebellar ataxias 2 and 3 with iPSCs reveals a role for glutamate in disease pathology. Scientific Reports, 2019, 9, 1166.	1.6	29
42	The Trans-Spliced Long Noncoding RNA tsRMST Impedes Human Embryonic Stem Cell Differentiation Through WNT5A-Mediated Inhibition of the Epithelial-to-Mesenchymal Transition. Stem Cells, 2016, 34, 2052-2062.	1.4	28
43	GSK3Î² negatively regulates TRAX, a scaffold protein implicated in mental disorders, for NHEJ-mediated DNA repair in neurons. Molecular Psychiatry, 2018, 23, 2375-2390.	4.1	28
44	Aberrant Genomic Imprinting in Rhesus Monkey Embryonic Stem Cells. Stem Cells, 2006, 24, 595-603.	1.4	27
45	Factors from Human Embryonic Stem Cell-derived Fibroblast-like Cells Promote Topology-dependent Hepatic Differentiation in Primate Embryonic and Induced Pluripotent Stem Cells*. Journal of Biological Chemistry, 2010, 285, 33510-33519.	1.6	26
46	Ectopic DNMT3L Triggers Assembly of a Repressive Complex for Retroviral Silencing in Somatic Cells. Journal of Virology, 2014, 88, 10680-10695.	1.5	26
47	Usp11 controls cortical neurogenesis and neuronal migration through Sox11 stabilization. Science Advances, 2021, 7, .	4.7	26
48	Aberrant expression and distribution of the OCT-4 transcription factor in seminomas. Journal of Biomedical Science, 2007, 14, 797-807.	2.6	25
49	Delayed epidural transplantation of human induced pluripotent stem cell-derived neural progenitors enhances functional recovery after stroke. Scientific Reports, 2017, 7, 1943.	1.6	25
50	Monkey hybrid stem cells develop cellular features of Huntington's disease. BMC Cell Biology, 2010, 11, 12.	3.0	20
51	Subcellular Proteome Landscape of Human Embryonic Stem Cells Revealed Missing Membrane Proteins. Journal of Proteome Research, 2018, 17, 4138-4151.	1.8	19
52	A pregnancy following PGD for X-linked autosomal dominant Incontinentia Pigmenti (Bloch-Sulzberger syndrome): Case Report. Human Reproduction, 2000, 15, 2650-2652.	0.4	18
53	Induced pluripotent stem cell technology for disease modeling and drug screening with emphasis on lysosomal storage diseases. Stem Cell Research and Therapy, 2012, 3, 34.	2.4	17
54	Granulosa cells and retinoic acid co-treatment enrich potential germ cells from manually selected Oct4-EGFP expressing human embryonic stem cells. Reproductive BioMedicine Online, 2014, 29, 319-332.	1.1	16

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55	Granulosa cell-derived induced pluripotent stem cells exhibit pro-trophoblastic differentiation potential. Stem Cell Research and Therapy, 2015, 6, 14.	2.4	10
56	Trans-spliced long non-coding RNA: an emerging regulator of pluripotency. Cellular and Molecular Life Sciences, 2018, 75, 3339-3351.	2.4	9
57	Hyperactive CREB signaling pathway involved in the pathogenesis of polycystic ovarian syndrome revealed by patient-specific induced pluripotent stem cell modeling. Fertility and Sterility, 2019, 112, 594-607.e12.	0.5	9
58	Modeling Human Primary Microcephaly With hiPSC-Derived Brain Organoids Carrying CPAP-E1235V Disease-Associated Mutant Protein. Frontiers in Cell and Developmental Biology, 2022, 10, 830432.	1.8	8
59	Using human Pompe disease-induced pluripotent stem cell-derived neural cells to identify compounds with therapeutic potential. Human Molecular Genetics, 2019, 28, 3880-3894.	1.4	7
60	Quantitative Proteomics of Protein Complexes and Their Implications for Cell Reprograming and Pluripotency. Journal of Proteome Research, 2013, 12, 5878-5890.	1.8	6
61	Human pluripotent stem cells: current status and future perspectives. Chinese Journal of Physiology, 2008, 51, 214-25.	0.4	6
62	A system-wide mislocalization of RNA-binding proteins in motor neurons is a new feature of ALS. Neurobiology of Disease, 2021, 160, 105531.	2.1	4
63	Central nervous system organoids for modeling neurodegenerative diseases. IUBMB Life, 2022, 74, 812-825.	1.5	4
64	Combining membrane proteomics and computational three-way pathway analysis revealed signalling pathways preferentially regulated in human iPSCs and human ESCs. Scientific Reports, 2017, 7, 15055.	1.6	3
65	Integrative omics connects N-glycoproteome-wide alterations with pathways and regulatory events in induced pluripotent stem cells. Scientific Reports, 2016, 6, 36109.	1.6	2
66	Low temperature storage of primate embryonic stem cell derived neural precursor cells. Fertility and Sterility, 2002, 78, S100-S101.	0.5	0
67	Derivation of insulin-producing cells from non-human primate embryonic stem (ES) cells. Fertility and Sterility, 2002, 78, S101.	0.5	0
68	Human Pompe disease-induced pluripotent stem cells for pathogenesis modeling, drug testing and disease marker identification. Human Molecular Genetics, 2012, 21, 2618-2618.	1.4	0