

# Hung-Chih Kuo

## List of Publications by Citations

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64  
papers

2,774  
citations

32  
h-index

52  
g-index

68  
ext. papers

3,281  
ext. citations

7  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
64	Rapid generation of mature hepatocyte-like cells from human induced pluripotent stem cells by an efficient three-step protocol. <i>Hepatology</i> , <b>2012</b> , 55, 1193-203	11.2	209
63	The circular RNA circBIRC6 participates in the molecular circuitry controlling human pluripotency. <i>Nature Communications</i> , <b>2017</b> , 8, 1149	17.4	170
62	The emerging roles and functions of circular RNAs and their generation. <i>Journal of Biomedical Science</i> , <b>2019</b> , 26, 29	13.3	148
61	Derivation, characterization and differentiation of human embryonic stem cells: comparing serum-containing versus serum-free media and evidence of germ cell differentiation. <i>Human Reproduction</i> , <b>2007</b> , 22, 567-77	5.7	120
60	Human Pompe disease-induced pluripotent stem cells for pathogenesis modeling, drug testing and disease marker identification. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 4851-64	5.6	112
59	Loss of non-coding RNA expression from the DLK1-DIO3 imprinted locus correlates with reduced neural differentiation potential in human embryonic stem cell lines. <i>Stem Cell Research and Therapy</i> , <b>2015</b> , 6, 1	8.3	110
58	Pluripotency of mouse spermatogonial stem cells maintained by IGF-1- dependent pathway. <i>FASEB Journal</i> , <b>2009</b> , 23, 2076-87	0.9	87
57	Isolation and characterization of novel rhesus monkey embryonic stem cell lines. <i>Stem Cells</i> , <b>2006</b> , 24, 2177-86	5.8	83
56	Lack of cell cycle checkpoints in human cleavage stage embryos revealed by a clonal pattern of chromosomal mosaicism analysed by sequential multicolour FISH. <i>Zygote</i> , <b>2000</b> , 8, 217-24	1.6	78
55	Integrative transcriptome sequencing identifies trans-splicing events with important roles in human embryonic stem cell pluripotency. <i>Genome Research</i> , <b>2014</b> , 24, 25-36	9.7	74
54	Epithelial cell adhesion molecule (EpCAM) complex proteins promote transcription factor-mediated pluripotency reprogramming. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 33520-32	5.4	74
53	Oct-4 expression in pluripotent cells of the rhesus monkey. <i>Biology of Reproduction</i> , <b>2003</b> , 69, 1785-92	3.9	74
52	Inhibition of soluble tumor necrosis factor is therapeutic in Huntington's disease. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 4328-44	5.6	69
51	Functional roles and networks of non-coding RNAs in the pathogenesis of neurodegenerative diseases. <i>Journal of Biomedical Science</i> , <b>2020</b> , 27, 49	13.3	66
50	Monozygotic twinning in rhesus monkeys by manipulation of in vitro-derived embryos. <i>Biology of Reproduction</i> , <b>2002</b> , 66, 1449-55	3.9	61
49	Inhibition of Japanese encephalitis virus infection by the host zinc-finger antiviral protein. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007166	7.6	56
48	Aberrant astrocytes impair vascular reactivity in Huntington disease. <i>Annals of Neurology</i> , <b>2015</b> , 78, 178-92	9.4	54

47	Differentiation of monkey embryonic stem cells into neural lineages. <i>Biology of Reproduction</i> , <b>2003</b> , 68, 1727-35	3.9	52
46	Surface marker epithelial cell adhesion molecule and E-cadherin facilitate the identification and selection of induced pluripotent stem cells. <i>Stem Cell Reviews and Reports</i> , <b>2011</b> , 7, 722-35	6.4	48
45	Elucidating the role of the A2A adenosine receptor in neurodegeneration using neurons derived from Huntington's disease iPSCs. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 6066-79	5.6	45
44	Integrative transcriptome sequencing reveals extensive alternative trans-splicing and cis-backsplicing in human cells. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 3671-3691	20.1	44
43	LHX2 regulates the neural differentiation of human embryonic stem cells via transcriptional modulation of PAX6 and CER1. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 7753-70	20.1	43
42	Chromosomal mosaicism in cleavage-stage human embryos and the accuracy of single-cell genetic analysis. <i>Journal of Assisted Reproduction and Genetics</i> , <b>1998</b> , 15, 276-80	3.4	43
41	Progress with nonhuman primate embryonic stem cells. <i>Biology of Reproduction</i> , <b>2004</b> , 71, 1766-71	3.9	42
40	Opportunities and challenges for the use of induced pluripotent stem cells in modelling neurodegenerative disease. <i>Open Biology</i> , <b>2019</b> , 9, 180177	7	41
39	Lhx2 regulates a cortex-specific mechanism for barrel formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E4913-21	11.5	39
38	Chemotherapeutic sensitivity of testicular germ cell tumors under hypoxic conditions is negatively regulated by SENP1-controlled sumoylation of OCT4. <i>Cancer Research</i> , <b>2012</b> , 72, 4963-73	10.1	39
37	Suppression of the SOX2 neural effector gene by PRDM1 promotes human germ cell fate in embryonic stem cells. <i>Stem Cell Reports</i> , <b>2014</b> , 2, 189-204	8	36
36	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. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 14389-401	5.4	35
35	Directed differentiation of rhesus monkey ES cells into pancreatic cell phenotypes. <i>Reproductive Biology and Endocrinology</i> , <b>2004</b> , 2, 42	5	35
34	Serotonin neurons derived from rhesus monkey embryonic stem cells: similarities to CNS serotonin neurons. <i>Experimental Neurology</i> , <b>2004</b> , 188, 351-64	5.7	35
33	Is an observed non-co-linear RNA product spliced in trans, in cis or just in vitro?. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 9410-23	20.1	34
32	Novel autogenic feeders derived from human embryonic stem cells (hESCs) support an undifferentiated status of hESCs in xeno-free culture conditions. <i>Human Reproduction</i> , <b>2009</b> , 24, 1114-25	5.7	32
31	A reduced oxygen tension (5%) is not beneficial for maintaining human embryonic stem cells in the undifferentiated state with short splitting intervals. <i>Human Reproduction</i> , <b>2009</b> , 24, 71-80	5.7	32
30	Lhx2 regulates the timing of E-catenin-dependent cortical neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 12199-204	11.5	30

29	Characteristic expression of major histocompatibility complex and immune privilege genes in human pluripotent stem cells and their derivatives. <i>Cell Transplantation</i> , <b>2015</b> , 24, 845-64	4	29
28	Hypoxic culture maintains self-renewal and enhances embryoid body formation of human embryonic stem cells. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 2901-13	3.9	29
27	Aberrant genomic imprinting in rhesus monkey embryonic stem cells. <i>Stem Cells</i> , <b>2006</b> , 24, 595-603	5.8	27
26	The Trans-Spliced Long Noncoding RNA tsRMST Impedes Human Embryonic Stem Cell Differentiation Through WNT5A-Mediated Inhibition of the Epithelial-to-Mesenchymal Transition. <i>Stem Cells</i> , <b>2016</b> , 34, 2052-62	5.8	27
25	TGF- $\beta$ Regulates Cell Migration through Pluripotent Transcription Factor OCT4 in Endometriosis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0145256	3.7	26
24	Direct Conversion of Human Fibroblasts into Neural Progenitors Using Transcription Factors Enriched in Human ESC-Derived Neural Progenitors. <i>Stem Cell Reports</i> , <b>2017</b> , 8, 54-68	8	25
23	Aryl hydrocarbon receptor modulates stroke-induced astrogliosis and neurogenesis in the adult mouse brain. <i>Journal of Neuroinflammation</i> , <b>2019</b> , 16, 187	10.1	25
22	Factors from human embryonic stem cell-derived fibroblast-like cells promote topology-dependent hepatic differentiation in primate embryonic and induced pluripotent stem cells. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 33510-33519	5.4	25
21	Aberrant expression and distribution of the OCT-4 transcription factor in seminomas. <i>Journal of Biomedical Science</i> , <b>2007</b> , 14, 797-807	13.3	23
20	GSK3 $\beta$ negatively regulates TRAX, a scaffold protein implicated in mental disorders, for NHEJ-mediated DNA repair in neurons. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 2375-2390	15.1	20
19	Modeling spinocerebellar ataxias 2 and 3 with iPSCs reveals a role for glutamate in disease pathology. <i>Scientific Reports</i> , <b>2019</b> , 9, 1166	4.9	19
18	Delayed epidural transplantation of human induced pluripotent stem cell-derived neural progenitors enhances functional recovery after stroke. <i>Scientific Reports</i> , <b>2017</b> , 7, 1943	4.9	18
17	Monkey hybrid stem cells develop cellular features of Huntington's disease. <i>BMC Cell Biology</i> , <b>2010</b> , 11, 12		17
16	Ectopic DNMT3L triggers assembly of a repressive complex for retroviral silencing in somatic cells. <i>Journal of Virology</i> , <b>2014</b> , 88, 10680-95	6.6	16
15	A pregnancy following PGD for X-linked dominant [correction of X-linked autosomal dominant] incontinentia pigmenti (Bloch-Sulzberger syndrome): case report. <i>Human Reproduction</i> , <b>2000</b> , 15, 2650-2657	5.7	15
14	Subcellular Proteome Landscape of Human Embryonic Stem Cells Revealed Missing Membrane Proteins. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 4138-4151	5.6	15
13	Induced pluripotent stem cell technology for disease modeling and drug screening with emphasis on lysosomal storage diseases. <i>Stem Cell Research and Therapy</i> , <b>2012</b> , 3, 34	8.3	14
12	Granulosa cells and retinoic acid co-treatment enrich potential germ cells from manually selected Oct4-EGFP expressing human embryonic stem cells. <i>Reproductive BioMedicine Online</i> , <b>2014</b> , 29, 319-32	4	10

11	Trans-spliced long non-coding RNA: an emerging regulator of pluripotency. <i>Cellular and Molecular Life Sciences</i> , <b>2018</b> , 75, 3339-3351	10.3	7
10	Usp11 controls cortical neurogenesis and neuronal migration through Sox11 stabilization. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	6
9	Human pluripotent stem cells: current status and future perspectives. <i>Chinese Journal of Physiology</i> , <b>2008</b> , 51, 214-25	1.6	6
8	Using human Pompe disease-induced pluripotent stem cell-derived neural cells to identify compounds with therapeutic potential. <i>Human Molecular Genetics</i> , <b>2019</b> , 28, 3880-3894	5.6	5
7	Hyperactive CREB signaling pathway involved in the pathogenesis of polycystic ovarian syndrome revealed by patient-specific induced pluripotent stem cell modeling. <i>Fertility and Sterility</i> , <b>2019</b> , 112, 594-607.e12	4.8	5
6	Quantitative proteomics of protein complexes and their implications for cell reprogramming and pluripotency. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 5878-90	5.6	5
5	Granulosa cell-derived induced pluripotent stem cells exhibit pro-trophoblastic differentiation potential. <i>Stem Cell Research and Therapy</i> , <b>2015</b> , 6, 14	8.3	4
4	Integrative omics connects N-glycoproteome-wide alterations with pathways and regulatory events in induced pluripotent stem cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 36109	4.9	2
3	Combining membrane proteomics and computational three-way pathway analysis revealed signalling pathways preferentially regulated in human iPSCs and human ESCs. <i>Scientific Reports</i> , <b>2017</b> , 7, 15055	4.9	2
2	A system-wide mislocalization of RNA-binding proteins in motor neurons is a new feature of ALS. <i>Neurobiology of Disease</i> , <b>2021</b> , 160, 105531	7.5	1
1	Modeling Human Primary Microcephaly With hiPSC-Derived Brain Organoids Carrying CPAP-E1235V Disease-Associated Mutant Protein.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 830432	5.7	1