Hung-Chih Kuo

List of Publications by Year in Descending Order

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	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	5.7	1
63	A system-wide mislocalization of RNA-binding proteins in motor neurons is a new feature of ALS. *Neurobiology of Disease*, **2021**, 160, 105531	7.5	1
62	Usp11 controls cortical neurogenesis and neuronal migration through Sox11 stabilization. *Science Advances*, **2021**, 7,	14.3	6
61	Functional roles and networks of non-coding RNAs in the pathogenesis of neurodegenerative diseases. *Journal of Biomedical Science*, **2020**, 27, 49	13.3	66
60	Using human Pompe disease-induced pluripotent stem cell-derived neural cells to identify compounds with therapeutic potential. *Human Molecular Genetics*, **2019**, 28, 3880-3894	5.6	5
59	Modeling spinocerebellar ataxias 2 and 3 with iPSCs reveals a role for glutamate in disease pathology. *Scientific Reports*, **2019**, 9, 1166	4.9	19
58	The emerging roles and functions of circular RNAs and their generation. *Journal of Biomedical Science*, **2019**, 26, 29	13.3	148
57	Opportunities and challenges for the use of induced pluripotent stem cells in modelling neurodegenerative disease. *Open Biology*, **2019**, 9, 180177	7	41
56	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	4.8	5
55	Aryl hydrocarbon receptor modulates stroke-induced astrogliosis and neurogenesis in the adult mouse brain. *Journal of Neuroinflammation*, **2019**, 16, 187	10.1	25
54	Integrative transcriptome sequencing reveals extensive alternative trans-splicing and cis-backsplicing in human cells. *Nucleic Acids Research*, **2018**, 46, 3671-3691	20.1	44
53	GSK3negatively regulates TRAX, a scaffold protein implicated in mental disorders, for NHEJ-mediated DNA repair in neurons. *Molecular Psychiatry*, **2018**, 23, 2375-2390	15.1	20
52	Inhibition of Japanese encephalitis virus infection by the host zinc-finger antiviral protein. *PLoS Pathogens*, **2018**, 14, e1007166	7.6	56
51	Subcellular Proteome Landscape of Human Embryonic Stem Cells Revealed Missing Membrane Proteins. *Journal of Proteome Research*, **2018**, 17, 4138-4151	5.6	15
50	Trans-spliced long non-coding RNA: an emerging regulator of pluripotency. *Cellular and Molecular Life Sciences*, **2018**, 75, 3339-3351	10.3	7
49	Delayed epidural transplantation of human induced pluripotent stem cell-derived neural progenitors enhances functional recovery after stroke. *Scientific Reports*, **2017**, 7, 1943	4.9	18
48	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	8	25

47	The circular RNA circBIRC6 participates in the molecular circuitry controlling human pluripotency. *Nature Communications*, **2017**, 8, 1149	17.4	170
46	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	4.9	2
45	Integrative omics connects N-glycoproteome-wide alterations with pathways and regulatory events in induced pluripotent stem cells. *Scientific Reports*, **2016**, 6, 36109	4.9	2
44	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, 2052-62	5.8	27
43	Granulosa cell-derived induced pluripotent stem cells exhibit pro-trophoblastic differentiation potential. *Stem Cell Research and Therapy*, **2015**, 6, 14	8.3	4
42	Lhx2 regulates the timing of β-catenin-dependent cortical neurogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 12199-204	11.5	30
41	Elucidating the role of the A2A adenosine receptor in neurodegeneration using neurons derived from Huntington's disease iPSCs. *Human Molecular Genetics*, **2015**, 24, 6066-79	5.6	45
40	Characteristic expression of major histocompatibility complex and immune privilege genes in human pluripotent stem cells and their derivatives. *Cell Transplantation*, **2015**, 24, 845-64	4	29
39	Aberrant astrocytes impair vascular reactivity in Huntington disease. *Annals of Neurology*, **2015**, 78, 178-92	9.4	54
38	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	8.3	110
37	TGF-βRegulates Cell Migration through Pluripotent Transcription Factor OCT4 in Endometriosis. *PLoS ONE*, **2015**, 10, e0145256	3.7	26
36	Integrative transcriptome sequencing identifies trans-splicing events with important roles in human embryonic stem cell pluripotency. *Genome Research*, **2014**, 24, 25-36	9.7	74
35	Ectopic DNMT3L triggers assembly of a repressive complex for retroviral silencing in somatic cells. *Journal of Virology*, **2014**, 88, 10680-95	6.6	16
34	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, 319-32	4	10
33	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	8	36
32	Inhibition of soluble tumor necrosis factor is therapeutic in Huntington's disease. *Human Molecular Genetics*, **2014**, 23, 4328-44	5.6	69
31	Is an observed non-co-linear RNA product spliced in trans, in cis or just in vitro?. *Nucleic Acids Research*, **2014**, 42, 9410-23	20.1	34
30	Quantitative proteomics of protein complexes and their implications for cell reprograming and pluripotency. *Journal of Proteome Research*, **2013**, 12, 5878-90	5.6	5

29	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	11.5	39
28	LHX2 regulates the neural differentiation of human embryonic stem cells via transcriptional modulation of PAX6 and CER1. *Nucleic Acids Research*, **2013**, 41, 7753-70	20.1	43
27	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	8.3	14
26	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, 14389-401	5.4	35
25	Rapid generation of mature hepatocyte-like cells from human induced pluripotent stem cells by an efficient three-step protocol. *Hepatology*, **2012**, 55, 1193-203	11.2	209
24	Chemotherapeutic sensitivity of testicular germ cell tumors under hypoxic conditions is negatively regulated by SENP1-controlled sumoylation of OCT4. *Cancer Research*, **2012**, 72, 4963-73	10.1	39
23	Human Pompe disease-induced pluripotent stem cells for pathogenesis modeling, drug testing and disease marker identification. *Human Molecular Genetics*, **2011**, 20, 4851-64	5.6	112
22	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, 722-35	6.4	48
21	Epithelial cell adhesion molecule (EpCAM) complex proteins promote transcription factor-mediated pluripotency reprogramming. *Journal of Biological Chemistry*, **2011**, 286, 33520-32	5.4	74
20	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	5.4	25
19	Hypoxic culture maintains self-renewal and enhances embryoid body formation of human embryonic stem cells. *Tissue Engineering - Part A*, **2010**, 16, 2901-13	3.9	29
18	Monkey hybrid stem cells develop cellular features of Huntington's disease. *BMC Cell Biology*, **2010**, 11, 12		17
17	Pluripotency of mouse spermatogonial stem cells maintained by IGF-1- dependent pathway. *FASEB Journal*, **2009**, 23, 2076-87	0.9	87
16	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, 1114-25	5.7	32
15	A reduced oxygen tension (5%) is not beneficial for maintaining human embryonic stem cells in the undifferentiated state with short splitting intervals. *Human Reproduction*, **2009**, 24, 71-80	5.7	32
14	Human pluripotent stem cells: current status and future perspectives. *Chinese Journal of Physiology* , **2008**, 51, 214-25	1.6	6
13	Aberrant expression and distribution of the OCT-4 transcription factor in seminomas. *Journal of Biomedical Science*, **2007**, 14, 797-807	13.3	23
12	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, 567-77	5.7	120

11	Aberrant genomic imprinting in rhesus monkey embryonic stem cells. *Stem Cells*, **2006**, 24, 595-603	5.8	27
10	Isolation and characterization of novel rhesus monkey embryonic stem cell lines. *Stem Cells*, **2006**, 24, 2177-86	5.8	83
9	Progress with nonhuman primate embryonic stem cells. *Biology of Reproduction*, **2004**, 71, 1766-71	3.9	42
8	Directed differentiation of rhesus monkey ES cells into pancreatic cell phenotypes. *Reproductive Biology and Endocrinology*, **2004**, 2, 42	5	35
7	Serotonin neurons derived from rhesus monkey embryonic stem cells: similarities to CNS serotonin neurons. *Experimental Neurology*, **2004**, 188, 351-64	5.7	35
6	Differentiation of monkey embryonic stem cells into neural lineages. *Biology of Reproduction*, **2003**, 68, 1727-35	3.9	52
5	Oct-4 expression in pluripotent cells of the rhesus monkey. *Biology of Reproduction*, **2003**, 69, 1785-92	3.9	74
4	Monozygotic twinning in rhesus monkeys by manipulation of in vitro-derived embryos. *Biology of Reproduction*, **2002**, 66, 1449-55	3.9	61
3	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, 217-24	1.6	78
2	A pregnancy following PGD for X-linked dominant [correction of X-linked autosomal dominant] incontinentia pigmenti (Bloch-Sulzberger syndrome): case report. *Human Reproduction*, **2000**, 15, 2650-2	5.7	15
1	Chromosomal mosaicism in cleavage-stage human embryos and the accuracy of single-cell genetic analysis. *Journal of Assisted Reproduction and Genetics*, **1998**, 15, 276-80	3.4	43