

# Hsin-Fu Chen

## List of Publications by Year in descending order

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76  
papers

2,943  
citations

136950

32  
h-index

175258

52  
g-index

76  
all docs

76  
docs citations

76  
times ranked

3857  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2015, 6, 1.	5.5	198
2	Peritoneal natural killer cytotoxicity and CD25+CD3+ lymphocyte subpopulation are decreased in women with stage III&IV endometriosis. <i>Human Reproduction</i> , 1995, 10, 2671-2675.	0.9	133
3	Human Pompe disease-induced pluripotent stem cells for pathogenesis modeling, drug testing and disease marker identification. <i>Human Molecular Genetics</i> , 2011, 20, 4851-4864.	2.9	129
4	Vitrification of mouse oocytes using closed pulled straws (CPS) achieves a high survival and preserves good patterns of meiotic spindles, compared with conventional straws, open pulled straws (OPS) and grids. <i>Human Reproduction</i> , 2001, 16, 2350-2356.	0.9	128
5	Observational clinical follow-up of oocyte cryopreservation using a slow-freezing method with 1,2-propanediol plus sucrose followed by ICSI. <i>Human Reproduction</i> , 2005, 20, 1975-1980.	0.9	127
6	Human Peripheral Blood Mononuclear Cells Express Gonadotropin-Releasing Hormone (GnRH), GnRH Receptor, and Interleukin-2 Receptor $\beta$ -Chain Messenger Ribonucleic Acids That Are Regulated by GnRH <i>in Vitro</i> . <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999, 84, 743-750.	3.6	116
7	WW Domain-Containing Proteins YAP and TAZ in the Hippo Pathway as Key Regulators in Stemness Maintenance, Tissue Homeostasis, and Tumorigenesis. <i>Frontiers in Oncology</i> , 2019, 9, 60.	2.8	116
8	Open pulled straws for vitrification of mature mouse oocytes preserve patterns of meiotic spindles and chromosomes better than conventional straws. <i>Human Reproduction</i> , 2000, 15, 2598-2603.	0.9	96
9	Expression of leukemia inhibitory factor and its receptor in preimplantation embryos. <i>Fertility and Sterility</i> , 1999, 72, 713-719.	1.0	86
10	Epithelial Cell Adhesion Molecule (EPCAM) Complex Proteins Promote Transcription Factor-mediated Pluripotency Reprogramming. <i>Journal of Biological Chemistry</i> , 2011, 286, 33520-33532.	3.4	80
11	Decidual Natural Killer Cytotoxicity Decreased in Normal Pregnancy but Not in Anembryonic Pregnancy and Recurrent Spontaneous Abortion. <i>American Journal of Reproductive Immunology</i> , 1995, 34, 274-280.	1.2	77
12	The duration of pre-ovulatory serum progesterone elevation before hCG administration affects the outcome of IVF/ICSI cycles. <i>Human Reproduction</i> , 2012, 27, 2036-2045.	0.9	72
13	KrÄppel-Like Transcription Factor 4 Contributes to Maintenance of Telomerase Activity in Stem Cells. <i>Stem Cells</i> , 2010, 28, 1510-1517.	3.2	71
14	Decrease in interferon gamma production and impairment of T-lymphocyte proliferation in peritoneal fluid of women with endometriosis. <i>American Journal of Obstetrics and Gynecology</i> , 1996, 175, 1236-1241.	1.3	62
15	Assisted hatching increases the implantation and pregnancy rate of in vitro fertilization (IVF)-embryo transfer (ET), but not that of IVF-tubal ET in patients with repeated IVF failures. <i>Fertility and Sterility</i> , 1997, 67, 904-908.	1.0	62
16	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> , 2011, 7, 722-735.	5.6	55
17	Functional microarray analysis of differentially expressed genes in granulosa cells from women with polycystic ovary syndrome related to MAPK/ERK signaling. <i>Scientific Reports</i> , 2015, 5, 14994.	3.3	53
18	Defective Production of Interleukin-11 by Decidua and Chorionic Villi in Human Anembryonic Pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 2320-2328.	3.6	49

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19	Cytomegalovirus infection and viral shedding in the genital tract of infertile couples. <i>Journal of Medical Virology</i> , 1995, 45, 179-182.	5.0	45
20	Prognostic importance of serial cytokine changes in ascites and pleural effusion in women with severe ovarian hyperstimulation syndrome. <i>Fertility and Sterility</i> , 1999, 72, 286-292.	1.0	44
21	Suppression of the SOX2 Neural Effector Gene by PRDM1 Promotes Human Germ Cell Fate in Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2014, 2, 189-204.	4.8	44
22	Differentiation of Human Embryonic Stem Cells Into Functional Ovarian Granulosa-like Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 3713-3723.	3.6	43
23	Increase in the Production of Interleukin-10 Early After Implantation is Related to the Success of Pregnancy. <i>American Journal of Reproductive Immunology</i> , 2001, 46, 386-392.	1.2	42
24	PARP1 controls KLF4-mediated telomerase expression in stem cells and cancer cells. <i>Nucleic Acids Research</i> , 2017, 45, 10492-10503.	14.5	42
25	Ovarian response and follicular development for single-dose and multiple-dose protocols for gonadotropin-releasing hormone antagonist administration. <i>Fertility and Sterility</i> , 2005, 83, 1700-1707.	1.0	40
26	Preimplantation genetic diagnosis and screening: Current status and future challenges. <i>Journal of the Formosan Medical Association</i> , 2018, 117, 94-100.	1.7	40
27	Sharing of human leukocyte antigens in couples with unexplained infertility affects the success of in vitro fertilization and tubal embryo transfer. <i>American Journal of Obstetrics and Gynecology</i> , 1994, 170, 63-71.	1.3	38
28	Decreased expression of killer cell inhibitory receptors on natural killer cells in eutopic endometrium in women with adenomyosis. <i>Human Reproduction</i> , 2004, 19, 1974-1978.	0.9	36
29	Current opinion on use of luteinizing hormone supplementation in assisted reproduction therapy: an Asian perspective. <i>Reproductive BioMedicine Online</i> , 2011, 23, 81-90.	2.4	36
30	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> , 2012, 287, 14389-14401.	3.4	36
31	Noninvasive prenatal diagnosis of fetal aneuploidy by circulating fetal nucleated red blood cells and extravillous trophoblasts using silicon-based nanostructured microfluidics. <i>Molecular Cytogenetics</i> , 2017, 10, 44.	0.9	36
32	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> , 2008, 24, 71-80.	0.9	35
33	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> , 2009, 24, 1114-1125.	0.9	35
34	Sharing of human leukocyte antigens in couples with unexplained infertility affects the success of in vitro fertilization and tubal embryo transfer. <i>American Journal of Obstetrics and Gynecology</i> , 1994, 170, 63-71.	1.3	34
35	Hypoxic Culture Maintains Self-Renewal and Enhances Embryoid Body Formation of Human Embryonic Stem Cells. <i>Tissue Engineering - Part A</i> , 2010, 16, 2901-2913.	3.1	33
36	Characteristic Expression of Major Histocompatibility Complex and Immune Privilege Genes in Human Pluripotent Stem Cells and Their Derivatives. <i>Cell Transplantation</i> , 2015, 24, 845-864.	2.5	33

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37	The relationship between follistatin and chronic low-grade inflammation in women with polycystic ovary syndrome. <i>Fertility and Sterility</i> , 2009, 92, 2041-2044.	1.0	31
38	Exacerbation of Oxidative Stress-Induced Cell Death and Differentiation in Induced Pluripotent Stem Cells Lacking Heme Oxygenase-1. <i>Stem Cells and Development</i> , 2012, 21, 1675-1687.	2.1	30
39	The Suppression of Peritoneal Cellular Immunity in Women With Endometriosis Could Be Restored After Gonadotropin Releasing Hormone Agonist Treatment. <i>American Journal of Reproductive Immunology</i> , 1996, 35, 510-516.	1.2	29
40	In Vivo CD3 <sup>+</sup> CD25 <sup>+</sup> Lymphocyte Subpopulation Is Downregulated Without Increased Serum Soluble Interleukin-2 Receptor (sIL-2R) by Gonadotropin Releasing Hormone Agonist (GnRH-α). <i>American Journal of Reproductive Immunology</i> , 1995, 33, 134-139.	1.2	27
41	Comparison between a two-layer discontinuous Percoll gradient and swim-up for sperm preparation on normal and abnormal semen samples. <i>Journal of Assisted Reproduction and Genetics</i> , 1995, 12, 698-703.	2.5	26
42	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> , 2010, 285, 33510-33519.	3.4	26
43	Gonadotropin Releasing Hormone (GnRH) Agonist Induces Downregulation of the CD3 <sup>+</sup> CD25 <sup>+</sup> Lymphocyte Subpopulation in Peripheral Blood. <i>American Journal of Reproductive Immunology</i> , 1995, 33, 243-252.	1.2	25
44	Expression of leukemia inhibitory factor and its receptor is not altered in the decidua and chorionic villi of human anembryonic pregnancy. <i>Human Reproduction</i> , 2004, 19, 1647-1654.	0.9	24
45	Feasibility of corifollitropin alfa/GnRH antagonist protocol combined with GnRH agonist triggering and freeze-all strategy in polycystic ovary syndrome patients. <i>Journal of the Formosan Medical Association</i> , 2018, 117, 535-540.	1.7	24
46	Polybenzyl Glutamate Biocompatible Scaffold Promotes the Efficiency of Retinal Differentiation toward Retinal Ganglion Cell Lineage from Human-Induced Pluripotent Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 178.	4.1	23
47	Distribution of Th1 and Th2 cell populations in human peripheral and decidual T cells from normal and anembryonic pregnancies. <i>Fertility and Sterility</i> , 2001, 76, 797-803.	1.0	22
48	A feasible strategy of preimplantation genetic diagnosis for carriers with chromosomal translocation: Using blastocyst biopsy and array comparative genomic hybridization. <i>Journal of the Formosan Medical Association</i> , 2013, 112, 537-544.	1.7	21
49	Increased follistatin levels after oral contraceptive treatment in obese and non-obese women with polycystic ovary syndrome. <i>Human Reproduction</i> , 2010, 25, 779-785.	0.9	20
50	Peptides extracted from vero cell cultures overcome the blastocyst block of mouse embryos in a serum-free medium. <i>Journal of Assisted Reproduction and Genetics</i> , 1994, 11, 165-171.	2.5	17
51	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> , 2014, 29, 319-332.	2.4	16
52	Validating a rapid, real-time, PCR-based direct mutation detection assay for preimplantation genetic diagnosis. <i>Gene</i> , 2014, 548, 299-305.	2.2	14
53	A pilot proof-of-principle study to compare fresh and vitrified cycle preimplantation genetic screening by chromosome microarray and next generation sequencing. <i>Molecular Cytogenetics</i> , 2016, 9, 25.	0.9	14
54	Preimplantation genetic diagnosis of hemophilia A. <i>Thrombosis Journal</i> , 2016, 14, 33.	2.1	13

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55	Defective Production of Interleukin-11 by Decidua and Chorionic Villi in Human Anembryonic Pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 2320-2328.	3.6	13
56	Delayed maternal death after perimortem cesarean section. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1994, 73, 839-841.	2.8	12
57	Comparative global immune-related gene profiling of somatic cells, human pluripotent stem cells and their derivatives: implication for human lymphocyte proliferation. <i>Experimental and Molecular Medicine</i> , 2017, 49, e376-e376.	7.7	11
58	Granulosa cell-derived induced pluripotent stem cells exhibit pro-trophoblastic differentiation potential. <i>Stem Cell Research and Therapy</i> , 2015, 6, 14.	5.5	10
59	An overview of the current and emerging platforms for preimplantation genetic testing for aneuploidies (PGT-A) in in vitro fertilization programs. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2020, 59, 489-495.	1.3	10
60	Obesity alters ovarian folliculogenesis through disrupted angiogenesis from increased IL-10 production. <i>Molecular Metabolism</i> , 2021, 49, 101189.	6.5	10
61	Interleukin-12 (IL-12) Is Increased in the Follicular Fluids of Patients With Premature Luteinization. <i>American Journal of Reproductive Immunology</i> , 1995, 34, 356-362.	1.2	9
62	Decoy receptor 3 expression during the menstrual cycle and pregnancy, and regulation by sex steroids in endometrial cells in vitro. <i>Human Reproduction</i> , 2009, 24, 1350-1358.	0.9	9
63	Copy number variant hotspots in Han Taiwanese population induced pluripotent stem cell lines - lessons from establishing the Taiwan human disease iPSC Consortium Bank. <i>Journal of Biomedical Science</i> , 2020, 27, 92.	7.0	9
64	Preimplantation genetic screening of blastocysts by multiplex qPCR followed by fresh embryo transfer: validation and verification. <i>Molecular Cytogenetics</i> , 2015, 8, 49.	0.9	8
65	Human pluripotent stem cell-derived DDX4 and KRT-8 positive cells participate in ovarian follicle-like structure formation. <i>IScience</i> , 2021, 24, 102003.	4.1	7
66	Association of a single dose of gonadotropin-releasing hormone antagonist with nitric oxide and embryo quality in in vitro fertilization cycles. <i>Fertility and Sterility</i> , 2006, 86, 1020-1022.	1.0	6
67	Preimplantation Genetic Diagnosis of Neurodegenerative Diseases: Review of Methodologies and Report of Our Experience as a Regional Reference Laboratory. <i>Diagnostics</i> , 2019, 9, 44.	2.6	5
68	Successful treatment of a combined interstitial and intrauterine pregnancy after tubal embryo transfer (TET). <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1995, 74, 752-755.	2.8	4
69	Five-year clinical and imaging outcomes of primary transobturator midurethral sling procedures for uncomplicated urodynamic stress incontinence. <i>Maturitas</i> , 2020, 138, 42-50.	2.4	4
70	Four-Dimensional Introital Ultrasound in Assessing Perioperative Pelvic Floor Muscle Functions of Women with Cystoceles. <i>Ultraschall in Der Medizin</i> , 2021, 42, e31-e41.	1.5	4
71	Blastocyst morphology score as an indicator of embryo competence for women aged younger than 38 years in in vitro fertilization cycles. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2013, 52, 374-380.	1.3	3
72	Generation of induced pluripotent stem cell line-NTUHi001-A from a premature ovarian failure patient with Turner's syndrome mosaicism. <i>Stem Cell Research</i> , 2019, 37, 101422.	0.7	2

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73	The significance of pelvic floor support on the pelvic floor muscle functions of women with lower urinary tract symptoms. Taiwanese Journal of Obstetrics and Gynecology, 2020, 59, 551-555.	1.3	2
74	Medium-term outcomes for primary native tissue reconstructive surgeries with and without transobturator vaginal meshes in stress continent women with stage 3 or higher pelvic organ prolapse. Neurourology and Urodynamics, 2020, 39, 261-270.	1.5	1
75	Response to: "Preimplantation genetic diagnosis strategy combining blastocyst biopsy and array comparative genomic hybridization for parents carrying chromosomal translocation". Journal of the Formosan Medical Association, 2014, 113, 883-884.	1.7	0
76	Prospects of Primary Ovarian Insufficiency Patient-Specific Pluripotent Stem Cells for Disease Modeling and Clinical Impacts. Current Women's Health Reviews, 2018, 14, .	0.2	0