

Renee A Reijo Pera

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138 papers	9,382 citations	46 h-index	96 g-index
164 ext. papers	10,455 ext. citations	8.7 avg, IF	5.9 L-index

#	Paper	IF	Citations
138	Reprogramming of DNA methylation is linked to successful human preimplantation development. <i>Histochemistry and Cell Biology</i> , 2021 , 156, 197-207	2.4	2
137	Tet enzymes are essential for early embryogenesis and completion of embryonic genome activation. <i>EMBO Reports</i> , 2021 , e53968	6.5	1
136	Stem cell therapy for Parkinson's disease: safety and modeling. <i>Neural Regeneration Research</i> , 2020 , 15, 36-40	4.5	17
135	Links between age at menarche, antral follicle count, and body mass index in African American and European American women. <i>Fertility and Sterility</i> , 2019 , 111, 122-131	4.8	1
134	Treatment of Parkinson's Disease through Personalized Medicine and Induced Pluripotent Stem Cells. <i>Cells</i> , 2019 , 8,	7.9	53
133	A PAX5-OCT4-PRDM1 developmental switch specifies human primordial germ cells. <i>Nature Cell Biology</i> , 2018 , 20, 655-665	23.4	21
132	A distinct isoform of ZNF207 controls self-renewal and pluripotency of human embryonic stem cells. <i>Nature Communications</i> , 2018 , 9, 4384	17.4	13
131	A Knockin Reporter Allows Purification and Characterization of mDA Neurons from Heterogeneous Populations. <i>Cell Reports</i> , 2017 , 18, 2533-2546	10.6	13
130	Quantification of dopaminergic neuron differentiation and neurotoxicity via a genetic reporter. <i>Scientific Reports</i> , 2016 , 6, 25181	4.9	11
129	Human oocyte developmental potential is predicted by mechanical properties within hours after fertilization. <i>Nature Communications</i> , 2016 , 7, 10809	17.4	100
128	Transcriptional comparison of human induced and primary midbrain dopaminergic neurons. <i>Scientific Reports</i> , 2016 , 6, 20270	4.9	29
127	Smooth Muscle Precursor Cells Derived from Human Pluripotent Stem Cells for Treatment of Stress Urinary Incontinence. <i>Stem Cells and Development</i> , 2016 , 25, 453-61	4.4	27
126	The primate-specific noncoding RNA HPAT5 regulates pluripotency during human preimplantation development and nuclear reprogramming. <i>Nature Genetics</i> , 2016 , 48, 44-52	36.3	128
125	Over Expression of NANOS3 and DAZL in Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2016 , 11, e0165268	3.7	13
124	Spatiotemporal Reconstruction of the Human Blastocyst by Single-Cell Gene-Expression Analysis Informs Induction of Naive Pluripotency. <i>Developmental Cell</i> , 2016 , 38, 100-15	10.2	24
123	Creating human germ cells for unmet reproductive needs. <i>Nature Biotechnology</i> , 2016 , 34, 470-3	44.5	7
122	Prediction model for aneuploidy in early human embryo development revealed by single-cell analysis. <i>Nature Communications</i> , 2015 , 6, 7601	17.4	72

121	Direct in vivo assessment of human stem cell graft-host neural circuits. <i>NeuroImage</i> , 2015 , 114, 328-37	7.9	29
120	Intrinsic retroviral reactivation in human preimplantation embryos and pluripotent cells. <i>Nature</i> , 2015 , 522, 221-5	50.4	339
119	Preimplantation Embryo Development and Primordial Germ Cell Lineage Specification 2015 , 233-265		1
118	Single-Cell XIST Expression in Human Preimplantation Embryos and Newly Reprogrammed Female Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2015 , 33, 1771-81	5.8	24
117	Dynamic and social behaviors of human pluripotent stem cells. <i>Scientific Reports</i> , 2015 , 5, 14209	4.9	15
116	DDX3Y gene rescue of a Y chromosome AZFa deletion restores germ cell formation and transcriptional programs. <i>Scientific Reports</i> , 2015 , 5, 15041	4.9	41
115	Relationship between semen production and medical comorbidity. <i>Fertility and Sterility</i> , 2015 , 103, 66-71	4.8	114
114	Abnormal early cleavage events predict early embryo demise: sperm oxidative stress and early abnormal cleavage. <i>Scientific Reports</i> , 2014 , 4, 6598	4.9	38
113	Human germ cell formation in xenotransplants of induced pluripotent stem cells carrying X chromosome aneuploidies. <i>Scientific Reports</i> , 2014 , 4, 6432	4.9	19
112	X chromosome inactivation: recent advances and a look forward. <i>Current Opinion in Genetics and Development</i> , 2014 , 28, 78-82	4.9	37
111	Concurrent generation of functional smooth muscle and endothelial cells via a vascular progenitor. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 91-7	6.9	39
110	Directed dopaminergic neuron differentiation from human pluripotent stem cells. <i>Journal of Visualized Experiments</i> , 2014 , 51737	1.6	26
109	Rapid and efficient conversion of integration-free human induced pluripotent stem cells to GMP-grade culture conditions. <i>PLoS ONE</i> , 2014 , 9, e94231	3.7	36
108	Comparison of epigenetic mediator expression and function in mouse and human embryonic blastomeres. <i>Human Molecular Genetics</i> , 2014 , 23, 4970-84	5.6	25
107	A modified method for implantation of pluripotent stem cells under the rodent kidney capsule. <i>Stem Cells and Development</i> , 2014 , 23, 2119-25	4.4	8
106	Fate of induced pluripotent stem cells following transplantation to murine seminiferous tubules. <i>Human Molecular Genetics</i> , 2014 , 23, 3071-84	5.6	46
105	Fate of iPSCs derived from azoospermic and fertile men following xenotransplantation to murine seminiferous tubules. <i>Cell Reports</i> , 2014 , 7, 1284-97	10.6	69
104	Human germ cell differentiation from pluripotent embryonic stem cells and induced pluripotent stem cells. <i>Methods in Molecular Biology</i> , 2014 , 1154, 563-78	1.4	2

103	More than just a matter of time. <i>Reproductive BioMedicine Online</i> , 2013 , 27, 113-4	4	4
102	Biomarkers identified with time-lapse imaging: discovery, validation, and practical application. <i>Fertility and Sterility</i> , 2013 , 99, 1035-43	4.8	86
101	Ethical and legal issues arising in research on inducing human germ cells from pluripotent stem cells. <i>Cell Stem Cell</i> , 2013 , 13, 145-8	18	36
100	Reprogramming of fibroblasts from older women with pelvic floor disorders alters cellular behavior associated with donor age. <i>Stem Cells Translational Medicine</i> , 2013 , 2, 118-28	6.9	19
99	Status of human germ cell differentiation from pluripotent stem cells. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 396-404	1.8	2
98	Generation of human induced pluripotent stem cells using epigenetic regulators reveals a germ cell-like identity in partially reprogrammed colonies. <i>PLoS ONE</i> , 2013 , 8, e82838	3.7	6
97	Genetic markers of ovarian follicle number and menopause in women of multiple ethnicities. <i>Human Genetics</i> , 2012 , 131, 1709-24	6.3	50
96	Activation of innate immunity is required for efficient nuclear reprogramming. <i>Cell</i> , 2012 , 151, 547-58	56.2	262
95	Genetic variants and environmental factors associated with hormonal markers of ovarian reserve in Caucasian and African American women. <i>Human Reproduction</i> , 2012 , 27, 594-608	5.7	75
94	Hydrogel crosslinking density regulates temporal contractility of human embryonic stem cell-derived cardiomyocytes in 3D cultures. <i>Soft Matter</i> , 2012 , 8, 10141-10148	3.6	49
93	Human amniotic mesenchymal stem cell-derived induced pluripotent stem cells may generate a universal source of cardiac cells. <i>Stem Cells and Development</i> , 2012 , 21, 2798-808	4.4	35
92	Dynamic blastomere behaviour reflects human embryo ploidy by the four-cell stage. <i>Nature Communications</i> , 2012 , 3, 1251	17.4	200
91	Divergent RNA-binding proteins, DAZL and VASA, induce meiotic progression in human germ cells derived in vitro. <i>Stem Cells</i> , 2012 , 30, 441-51	5.8	128
90	Therapeutic Applications of Induced Pluripotent Stem Cells in Parkinson's Disease 2012 , 409-420		
89	Human pre-implantation embryo development. <i>Development (Cambridge)</i> , 2012 , 139, 829-41	6.6	218
88	Modeling Parkinson's disease using induced pluripotent stem cells. <i>Current Neurology and Neuroscience Reports</i> , 2012 , 12, 237-42	6.6	57
87	Promotion of human early embryonic development and blastocyst outgrowth in vitro using autocrine/paracrine growth factors. <i>PLoS ONE</i> , 2012 , 7, e49328	3.7	62
86	Telomere shortening and loss of self-renewal in dyskeratosis congenita induced pluripotent stem cells. <i>Nature</i> , 2011 , 474, 399-402	50.4	186

85	Donation of embryos for human development and stem cell research. <i>Cell Stem Cell</i> , 2011 , 8, 360-2	18	19
84	SNCA triplication Parkinson's patient's iPSC-derived DA neurons accumulate α -synuclein and are susceptible to oxidative stress. <i>PLoS ONE</i> , 2011 , 6, e26159	3.7	200
83	Making Germ Cells from Human Embryonic Stem Cells 2011 , 49-86		
82	NANOS3 function in human germ cell development. <i>Human Molecular Genetics</i> , 2011 , 20, 2238-50	5.6	72
81	Pumilio-2 function in the mouse nervous system. <i>PLoS ONE</i> , 2011 , 6, e25932	3.7	52
80	The Role of Time-Lapse Microscopy in Stem Cell Research and Therapy. <i>Pancreatic Islet Biology</i> , 2011 , 181-191	0.4	
79	Non-invasive imaging of human embryos before embryonic genome activation predicts development to the blastocyst stage. <i>Nature Biotechnology</i> , 2010 , 28, 1115-21	44.5	570
78	The polycystic ovary post-rotterdam: a common, age-dependent finding in ovulatory women without metabolic significance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 4965-72	5.6	143
77	Testicular germline stem cells. <i>Nature Reviews Urology</i> , 2010 , 7, 94-100	5.5	5
76	Antral follicle count: absence of significant midlife decline. <i>Fertility and Sterility</i> , 2010 , 94, 2182-5	4.8	40
75	Parthenogenic blastocysts derived from cumulus-free in vitro matured human oocytes. <i>PLoS ONE</i> , 2010 , 5, e10979	3.7	24
74	Estrogen receptor beta-selective agonists stimulate calcium oscillations in human and mouse embryonic stem cell-derived neurons. <i>PLoS ONE</i> , 2010 , 5, e11791	3.7	23
73	Dazl functions in maintenance of pluripotency and genetic and epigenetic programs of differentiation in mouse primordial germ cells in vivo and in vitro. <i>PLoS ONE</i> , 2009 , 4, e5654	3.7	88
72	Enhanced generation of induced pluripotent stem cells from a subpopulation of human fibroblasts. <i>PLoS ONE</i> , 2009 , 4, e7118	3.7	62
71	Instructing an embryonic stem cell-derived oocyte fate: lessons from endogenous oogenesis. <i>Endocrine Reviews</i> , 2009 , 30, 264-83	27.2	40
70	Germ Cell-Specific Methylation Pattern: Erasure and Reestablishment. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , 2009 , 43-56		
69	Characterization of a Dazl-GFP germ cell-specific reporter. <i>Genesis</i> , 2009 , 47, 74-84	1.9	32
68	Human DAZL, DAZ and BOULE genes modulate primordial germ-cell and haploid gamete formation. <i>Nature</i> , 2009 , 462, 222-5	50.4	391

67 Human Embryonic Stem Cells and Germ Cell Development **2009**, 55-66

66	Gene expression profiles of human inner cell mass cells and embryonic stem cells. <i>Differentiation</i> , 2009 , 78, 18-23	3.5	35
65	Transplantation directs oocyte maturation from embryonic stem cells and provides a therapeutic strategy for female infertility. <i>Human Molecular Genetics</i> , 2009 , 18, 4376-89	5.6	71
64	Germ Cell-Specific Methylation Pattern: Erasure and Reestablishment. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , 2009 , 43-56		
63	Preparation of human foreskin fibroblasts for human embryonic stem cell culture. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5043	1.2	6
62	Preparation of mouse embryonic fibroblast feeder cells for human embryonic stem cell culture. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5041	1.2	11
61	Culturing human embryonic stem cells with mouse embryonic fibroblast feeder cells. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5042	1.2	4
60	Culturing human embryonic stem cells in feeder-free conditions. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5044	1.2	9
59	Method for single-cell sorting and expansion of genetically modified human embryonic stem cells. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5045	1.2	
58	DNA methylation analysis of human imprinted Loci by bisulfite genomic sequencing. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5046	1.2	1
57	Metaphase spreads and spectral karyotyping of human embryonic stem cells. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5047	1.2	5
56	Human germ cell lineage differentiation from embryonic stem cells. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5048	1.2	5
55	The road to pluripotency: the research response to the embryonic stem cell debate. <i>Human Molecular Genetics</i> , 2008 , 17, R3-9	5.6	11
54	Defining human embryo phenotypes by cohort-specific prognostic factors. <i>PLoS ONE</i> , 2008 , 3, e2562	3.7	24
53	Noninvasive human nuclear transfer with embryonic stem cells. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5040	1.2	1
52	High-efficiency stem cell fusion-mediated assay reveals Sall4 as an enhancer of reprogramming. <i>PLoS ONE</i> , 2008 , 3, e1955	3.7	53
51	A novel and critical role for Oct4 as a regulator of the maternal-embryonic transition. <i>PLoS ONE</i> , 2008 , 3, e4109	3.7	87
50	A gene trap mutation of a murine homolog of the Drosophila stem cell factor Pumilio results in smaller testes but does not affect litter size or fertility. <i>Molecular Reproduction and Development</i> , 2007 , 74, 912-21	2.6	63

49	A method for single-cell sorting and expansion of genetically modified human embryonic stem cells. <i>Stem Cells and Development</i> , 2007 , 16, 109-17	4.4	20
48	Intermolecular interactions of homologs of germ plasm components in mammalian germ cells. <i>Developmental Biology</i> , 2007 , 301, 417-31	3.1	12
47	Germ Cell-Specific Genes and Posttranscriptional Regulation in the Testis 2007 , 167-184		
46	Germ Cell Differentiation. <i>Human Cell Culture</i> , 2007 , 109-128		
45	A gene trap knockout of the abundant sperm tail protein, outer dense fiber 2, results in preimplantation lethality. <i>Genesis</i> , 2006 , 44, 515-22	1.9	37
44	Bone morphogenetic proteins induce germ cell differentiation from human embryonic stem cells. <i>Stem Cells and Development</i> , 2006 , 15, 831-7	4.4	209
43	Novel missense mutations of the Deleted-in-AZoospermia-Like (DAZL) gene in infertile women and men. <i>Reproductive Biology and Endocrinology</i> , 2006 , 4, 40	5	38
42	Modeling human germ cell development with embryonic stem cells. <i>Regenerative Medicine</i> , 2006 , 1, 85-93	3.5	15
41	Evolutionary comparison of the reproductive genes, DAZL and BOULE, in primates with and without DAZ. <i>Development Genes and Evolution</i> , 2006 , 216, 158-68	1.8	20
40	Variants in Deleted in AZoospermia-Like (DAZL) are correlated with reproductive parameters in men and women. <i>Human Genetics</i> , 2006 , 118, 730-40	6.3	42
39	Identification and characterization of RNA sequences to which human PUMILIO-2 (PUM2) and deleted in Azoospermia-like (DAZL) bind. <i>Genomics</i> , 2005 , 85, 92-105	4.3	71
38	Recombination in men with Klinefelter syndrome. <i>Reproduction</i> , 2005 , 130, 223-9	3.8	27
37	Interaction of the conserved meiotic regulators, BOULE (BOL) and PUMILIO-2 (PUM2). <i>Molecular Reproduction and Development</i> , 2005 , 71, 290-8	2.6	36
36	Human embryonic stem cell genes OCT4, NANOG, STELLAR, and GDF3 are expressed in both seminoma and breast carcinoma. <i>Cancer</i> , 2005 , 104, 2255-65	6.4	355
35	Spontaneous differentiation of germ cells from human embryonic stem cells in vitro. <i>Human Molecular Genetics</i> , 2004 , 13, 727-39	5.6	382
34	Defective recombination in infertile men. <i>Human Molecular Genetics</i> , 2004 , 13, 2875-83	5.6	115
33	The unique transcriptome through day 3 of human preimplantation development. <i>Human Molecular Genetics</i> , 2004 , 13, 1461-70	5.6	203
32	Human STELLAR, NANOG, and GDF3 genes are expressed in pluripotent cells and map to chromosome 12p13, a hotspot for teratocarcinoma. <i>Stem Cells</i> , 2004 , 22, 169-79	5.8	218

31	Unique gene expression signatures of independently-derived human embryonic stem cell lines. <i>Human Molecular Genetics</i> , 2004 , 13, 601-8	5.6	249
30	Human BOULE gene rescues meiotic defects in infertile flies. <i>Human Molecular Genetics</i> , 2003 , 12, 169-75	5.6	93
29	Feasibility of global gene expression analysis in testicular biopsies from infertile men. <i>Molecular Reproduction and Development</i> , 2003 , 66, 403-21	2.6	41
28	A germ-cell odyssey: fate, survival, migration, stem cells and differentiation. Meeting on germ cells. <i>EMBO Reports</i> , 2003 , 4, 352-7	6.5	5
27	Human Pumilio-2 is expressed in embryonic stem cells and germ cells and interacts with DAZ (Deleted in AZoospermia) and DAZ-like proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 538-43	11.5	188
26	Generation and in vitro differentiation of a spermatogonial cell line. <i>Science</i> , 2002 , 297, 392-5	33.3	206
25	Male infertility, genetic analysis of the DAZ genes on the human Y chromosome and genetic analysis of DNA repair. <i>Molecular and Cellular Endocrinology</i> , 2002 , 186, 231-239	4.4	1
24	Current and future genetic screening for male infertility. <i>Urologic Clinics of North America</i> , 2002 , 29, 767-93	9.3	14
23	Male infertility, genetic analysis of the DAZ genes on the human Y chromosome and genetic analysis of DNA repair. <i>Molecular and Cellular Endocrinology</i> , 2001 , 184, 41-9	4.4	10
22	Response to varicocelelectomy in oligospermic men with and without defined genetic infertility. <i>Urology</i> , 2001 , 57, 530-5	1.6	62
21	The DAZ Gene Family and Germ-Cell Development 2000 , 213-225		1
20	Mouse autosomal homolog of DAZ, a candidate male sterility gene in humans, is expressed in male germ cells before and after puberty. <i>Genomics</i> , 1996 , 35, 346-52	4.3	133
19	Severe oligozoospermia resulting from deletions of azoospermia factor gene on Y chromosome. <i>Lancet, The</i> , 1996 , 347, 1290-3	4.0	462
18	Diverse spermatogenic defects in humans caused by Y chromosome deletions encompassing a novel RNA-binding protein gene. <i>Nature Genetics</i> , 1995 , 10, 383-93	36.3	1035
17	Female gamete1-14		
16	Germ-cell differentiation from pluripotent cells15-29		1
15	The male gamete30-45		
14	In vitro production of functional sperm from neonatal mouse testes46-51		

- 13 Adult stem-cell population in the human testis52-62
- 12 Meiotic recombination in human oocytes63-75
- 11 Gene expression dynamics during human embryonic development76-83
- 10 Embryonic stem cells from blastomeres maintaining embryo viability84-92
- 9 Gamete generation from stem cells to avoid gamete donation and customized hESCs from blastomeres as the cellular insurance for the newborn: Will it ever be ethically acceptable?93-101
- 8 Amniotic fluid and placental membranes: Unexpected sources of highly multipotent cells102-114 1
- 7 Adult stem cells in the human endometrium115-132 1
- 6 In utero hematopoietic cell transplantation133-139
- 5 Bone-marrow stroma: A source of mesenchymal stem cells for cell therapy140-151
- 4 New developments in stem-cell research152-163 1
- 3 The metabolic framework of pluripotent stem cells and potential mechanisms of regulation164-179 3
- 2 Human genes modulating primordial germ cell and gamete formation224-235
- 1 The DAZ gene family and human germ cell development from embryonic stem cells323-350