

# Renee A Reijo Pera

## List of Publications by Citations

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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	Diverse spermatogenic defects in humans caused by Y chromosome deletions encompassing a novel RNA-binding protein gene. <i>Nature Genetics</i> , <b>1995</b> , 10, 383-93	36.3	1035
137	Non-invasive imaging of human embryos before embryonic genome activation predicts development to the blastocyst stage. <i>Nature Biotechnology</i> , <b>2010</b> , 28, 1115-21	44.5	570
136	Severe oligozoospermia resulting from deletions of azoospermia factor gene on Y chromosome. <i>Lancet, The</i> , <b>1996</b> , 347, 1290-3	40	462
135	Human DAZL, DAZ and BOULE genes modulate primordial germ-cell and haploid gamete formation. <i>Nature</i> , <b>2009</b> , 462, 222-5	50.4	391
134	Spontaneous differentiation of germ cells from human embryonic stem cells in vitro. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 727-39	5.6	382
133	Human embryonic stem cell genes OCT4, NANOG, STELLAR, and GDF3 are expressed in both seminoma and breast carcinoma. <i>Cancer</i> , <b>2005</b> , 104, 2255-65	6.4	355
132	Intrinsic retroviral reactivation in human preimplantation embryos and pluripotent cells. <i>Nature</i> , <b>2015</b> , 522, 221-5	50.4	339
131	Activation of innate immunity is required for efficient nuclear reprogramming. <i>Cell</i> , <b>2012</b> , 151, 547-58	56.2	262
130	Unique gene expression signatures of independently-derived human embryonic stem cell lines. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 601-8	5.6	249
129	Human pre-implantation embryo development. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 829-41	6.6	218
128	Human STELLAR, NANOG, and GDF3 genes are expressed in pluripotent cells and map to chromosome 12p13, a hotspot for teratocarcinoma. <i>Stem Cells</i> , <b>2004</b> , 22, 169-79	5.8	218
127	Bone morphogenetic proteins induce germ cell differentiation from human embryonic stem cells. <i>Stem Cells and Development</i> , <b>2006</b> , 15, 831-7	4.4	209
126	Generation and in vitro differentiation of a spermatogonial cell line. <i>Science</i> , <b>2002</b> , 297, 392-5	33.3	206
125	The unique transcriptome through day 3 of human preimplantation development. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 1461-70	5.6	203
124	Dynamic blastomere behaviour reflects human embryo ploidy by the four-cell stage. <i>Nature Communications</i> , <b>2012</b> , 3, 1251	17.4	200
123	SNCA triplication Parkinson's patient's iPSC-derived DA neurons accumulate $\alpha$ -synuclein and are susceptible to oxidative stress. <i>PLoS ONE</i> , <b>2011</b> , 6, e26159	3.7	200
122	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> , <b>2003</b> , 100, 538-43	11.5	188

121	Telomere shortening and loss of self-renewal in dyskeratosis congenita induced pluripotent stem cells. <i>Nature</i> , <b>2011</b> , 474, 399-402	50.4	186
120	The polycystic ovary post-rotterdam: a common, age-dependent finding in ovulatory women without metabolic significance. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 4965-72	5.6	143
119	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> , <b>1996</b> , 35, 346-52	4.3	133
118	The primate-specific noncoding RNA HPAT5 regulates pluripotency during human preimplantation development and nuclear reprogramming. <i>Nature Genetics</i> , <b>2016</b> , 48, 44-52	36.3	128
117	Divergent RNA-binding proteins, DAZL and VASA, induce meiotic progression in human germ cells derived in vitro. <i>Stem Cells</i> , <b>2012</b> , 30, 441-51	5.8	128
116	Defective recombination in infertile men. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 2875-83	5.6	115
115	Relationship between semen production and medical comorbidity. <i>Fertility and Sterility</i> , <b>2015</b> , 103, 66-71	4.8	114
114	Human oocyte developmental potential is predicted by mechanical properties within hours after fertilization. <i>Nature Communications</i> , <b>2016</b> , 7, 10809	17.4	100
113	Human BOULE gene rescues meiotic defects in infertile flies. <i>Human Molecular Genetics</i> , <b>2003</b> , 12, 169-75	5.6	93
112	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> , <b>2009</b> , 4, e5654	3.7	88
111	A novel and critical role for Oct4 as a regulator of the maternal-embryonic transition. <i>PLoS ONE</i> , <b>2008</b> , 3, e4109	3.7	87
110	Biomarkers identified with time-lapse imaging: discovery, validation, and practical application. <i>Fertility and Sterility</i> , <b>2013</b> , 99, 1035-43	4.8	86
109	Genetic variants and environmental factors associated with hormonal markers of ovarian reserve in Caucasian and African American women. <i>Human Reproduction</i> , <b>2012</b> , 27, 594-608	5.7	75
108	Prediction model for aneuploidy in early human embryo development revealed by single-cell analysis. <i>Nature Communications</i> , <b>2015</b> , 6, 7601	17.4	72
107	NANOS3 function in human germ cell development. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 2238-50	5.6	72
106	Transplantation directs oocyte maturation from embryonic stem cells and provides a therapeutic strategy for female infertility. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 4376-89	5.6	71
105	Identification and characterization of RNA sequences to which human PUMILIO-2 (PUM2) and deleted in Azoospermia-like (DAZL) bind. <i>Genomics</i> , <b>2005</b> , 85, 92-105	4.3	71
104	Fate of iPSCs derived from azoospermic and fertile men following xenotransplantation to murine seminiferous tubules. <i>Cell Reports</i> , <b>2014</b> , 7, 1284-97	10.6	69

103	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> , <b>2007</b> , 74, 912-21	2.6	63
102	Enhanced generation of induced pluripotent stem cells from a subpopulation of human fibroblasts. <i>PLoS ONE</i> , <b>2009</b> , 4, e7118	3.7	62
101	Promotion of human early embryonic development and blastocyst outgrowth in vitro using autocrine/paracrine growth factors. <i>PLoS ONE</i> , <b>2012</b> , 7, e49328	3.7	62
100	Response to varicocelelectomy in oligospermic men with and without defined genetic infertility. <i>Urology</i> , <b>2001</b> , 57, 530-5	1.6	62
99	Modeling Parkinson's disease using induced pluripotent stem cells. <i>Current Neurology and Neuroscience Reports</i> , <b>2012</b> , 12, 237-42	6.6	57
98	High-efficiency stem cell fusion-mediated assay reveals Sall4 as an enhancer of reprogramming. <i>PLoS ONE</i> , <b>2008</b> , 3, e1955	3.7	53
97	Treatment of Parkinson's Disease through Personalized Medicine and Induced Pluripotent Stem Cells. <i>Cells</i> , <b>2019</b> , 8,	7.9	53
96	Pumilio-2 function in the mouse nervous system. <i>PLoS ONE</i> , <b>2011</b> , 6, e25932	3.7	52
95	Genetic markers of ovarian follicle number and menopause in women of multiple ethnicities. <i>Human Genetics</i> , <b>2012</b> , 131, 1709-24	6.3	50
94	Hydrogel crosslinking density regulates temporal contractility of human embryonic stem cell-derived cardiomyocytes in 3D cultures. <i>Soft Matter</i> , <b>2012</b> , 8, 10141-10148	3.6	49
93	Fate of induced pluripotent stem cells following transplantation to murine seminiferous tubules. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 3071-84	5.6	46
92	Variants in Deleted in AZoospermia-Like (DAZL) are correlated with reproductive parameters in men and women. <i>Human Genetics</i> , <b>2006</b> , 118, 730-40	6.3	42
91	DDX3Y gene rescue of a Y chromosome AZFa deletion restores germ cell formation and transcriptional programs. <i>Scientific Reports</i> , <b>2015</b> , 5, 15041	4.9	41
90	Feasibility of global gene expression analysis in testicular biopsies from infertile men. <i>Molecular Reproduction and Development</i> , <b>2003</b> , 66, 403-21	2.6	41
89	Antral follicle count: absence of significant midlife decline. <i>Fertility and Sterility</i> , <b>2010</b> , 94, 2182-5	4.8	40
88	Instructing an embryonic stem cell-derived oocyte fate: lessons from endogenous oogenesis. <i>Endocrine Reviews</i> , <b>2009</b> , 30, 264-83	27.2	40
87	Concurrent generation of functional smooth muscle and endothelial cells via a vascular progenitor. <i>Stem Cells Translational Medicine</i> , <b>2014</b> , 3, 91-7	6.9	39
86	Abnormal early cleavage events predict early embryo demise: sperm oxidative stress and early abnormal cleavage. <i>Scientific Reports</i> , <b>2014</b> , 4, 6598	4.9	38

85	Novel missense mutations of the Deleted-in-AZospermia-Like (DAZL) gene in infertile women and men. <i>Reproductive Biology and Endocrinology</i> , <b>2006</b> , 4, 40	5	38
84	X chromosome inactivation: recent advances and a look forward. <i>Current Opinion in Genetics and Development</i> , <b>2014</b> , 28, 78-82	4.9	37
83	A gene trap knockout of the abundant sperm tail protein, outer dense fiber 2, results in preimplantation lethality. <i>Genesis</i> , <b>2006</b> , 44, 515-22	1.9	37
82	Ethical and legal issues arising in research on inducing human germ cells from pluripotent stem cells. <i>Cell Stem Cell</i> , <b>2013</b> , 13, 145-8	18	36
81	Rapid and efficient conversion of integration-free human induced pluripotent stem cells to GMP-grade culture conditions. <i>PLoS ONE</i> , <b>2014</b> , 9, e94231	3.7	36
80	Interaction of the conserved meiotic regulators, BOULE (BOL) and PUMILIO-2 (PUM2). <i>Molecular Reproduction and Development</i> , <b>2005</b> , 71, 290-8	2.6	36
79	Human amniotic mesenchymal stem cell-derived induced pluripotent stem cells may generate a universal source of cardiac cells. <i>Stem Cells and Development</i> , <b>2012</b> , 21, 2798-808	4.4	35
78	Gene expression profiles of human inner cell mass cells and embryonic stem cells. <i>Differentiation</i> , <b>2009</b> , 78, 18-23	3.5	35
77	Characterization of a Dazl-GFP germ cell-specific reporter. <i>Genesis</i> , <b>2009</b> , 47, 74-84	1.9	32
76	Direct in vivo assessment of human stem cell graft-host neural circuits. <i>NeuroImage</i> , <b>2015</b> , 114, 328-37	7.9	29
75	Transcriptional comparison of human induced and primary midbrain dopaminergic neurons. <i>Scientific Reports</i> , <b>2016</b> , 6, 20270	4.9	29
74	Smooth Muscle Precursor Cells Derived from Human Pluripotent Stem Cells for Treatment of Stress Urinary Incontinence. <i>Stem Cells and Development</i> , <b>2016</b> , 25, 453-61	4.4	27
73	Recombination in men with Klinefelter syndrome. <i>Reproduction</i> , <b>2005</b> , 130, 223-9	3.8	27
72	Directed dopaminergic neuron differentiation from human pluripotent stem cells. <i>Journal of Visualized Experiments</i> , <b>2014</b> , 51737	1.6	26
71	Comparison of epigenetic mediator expression and function in mouse and human embryonic blastomeres. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 4970-84	5.6	25
70	Single-Cell XIST Expression in Human Preimplantation Embryos and Newly Reprogrammed Female Induced Pluripotent Stem Cells. <i>Stem Cells</i> , <b>2015</b> , 33, 1771-81	5.8	24
69	Defining human embryo phenotypes by cohort-specific prognostic factors. <i>PLoS ONE</i> , <b>2008</b> , 3, e2562	3.7	24
68	Parthenogenic blastocysts derived from cumulus-free in vitro matured human oocytes. <i>PLoS ONE</i> , <b>2010</b> , 5, e10979	3.7	24

67	Spatiotemporal Reconstruction of the Human Blastocyst by Single-Cell Gene-Expression Analysis Informs Induction of Naive Pluripotency. <i>Developmental Cell</i> , <b>2016</b> , 38, 100-15	10.2	24
66	Estrogen receptor beta-selective agonists stimulate calcium oscillations in human and mouse embryonic stem cell-derived neurons. <i>PLoS ONE</i> , <b>2010</b> , 5, e11791	3.7	23
65	A PAX5-OCT4-PRDM1 developmental switch specifies human primordial germ cells. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 655-665	23.4	21
64	A method for single-cell sorting and expansion of genetically modified human embryonic stem cells. <i>Stem Cells and Development</i> , <b>2007</b> , 16, 109-17	4.4	20
63	Evolutionary comparison of the reproductive genes, DAZL and BOULE, in primates with and without DAZ. <i>Development Genes and Evolution</i> , <b>2006</b> , 216, 158-68	1.8	20
62	Human germ cell formation in xenotransplants of induced pluripotent stem cells carrying X chromosome aneuploidies. <i>Scientific Reports</i> , <b>2014</b> , 4, 6432	4.9	19
61	Reprogramming of fibroblasts from older women with pelvic floor disorders alters cellular behavior associated with donor age. <i>Stem Cells Translational Medicine</i> , <b>2013</b> , 2, 118-28	6.9	19
60	Donation of embryos for human development and stem cell research. <i>Cell Stem Cell</i> , <b>2011</b> , 8, 360-2	18	19
59	Stem cell therapy for Parkinson's disease: safety and modeling. <i>Neural Regeneration Research</i> , <b>2020</b> , 15, 36-40	4.5	17
58	Dynamic and social behaviors of human pluripotent stem cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 14209	4.9	15
57	Modeling human germ cell development with embryonic stem cells. <i>Regenerative Medicine</i> , <b>2006</b> , 1, 85-93	3.5	15
56	Current and future genetic screening for male infertility. <i>Urologic Clinics of North America</i> , <b>2002</b> , 29, 767-93	2.9	14
55	A Knockin Reporter Allows Purification and Characterization of mDA Neurons from Heterogeneous Populations. <i>Cell Reports</i> , <b>2017</b> , 18, 2533-2546	10.6	13
54	Over Expression of NANOS3 and DAZL in Human Embryonic Stem Cells. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165268	3.7	13
53	A distinct isoform of ZNF207 controls self-renewal and pluripotency of human embryonic stem cells. <i>Nature Communications</i> , <b>2018</b> , 9, 4384	17.4	13
52	Intermolecular interactions of homologs of germ plasm components in mammalian germ cells. <i>Developmental Biology</i> , <b>2007</b> , 301, 417-31	3.1	12
51	Quantification of dopaminergic neuron differentiation and neurotoxicity via a genetic reporter. <i>Scientific Reports</i> , <b>2016</b> , 6, 25181	4.9	11
50	Preparation of mouse embryonic fibroblast feeder cells for human embryonic stem cell culture. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.prot5041	1.2	11

49	The road to pluripotency: the research response to the embryonic stem cell debate. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, R3-9	5.6	11
48	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> , <b>2001</b> , 184, 41-9	4.4	10
47	Culturing human embryonic stem cells in feeder-free conditions. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.prot5044	1.2	9
46	A modified method for implantation of pluripotent stem cells under the rodent kidney capsule. <i>Stem Cells and Development</i> , <b>2014</b> , 23, 2119-25	4.4	8
45	Creating human germ cells for unmet reproductive needs. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 470-3	44.5	7
44	Generation of human induced pluripotent stem cells using epigenetic regulators reveals a germ cell-like identity in partially reprogrammed colonies. <i>PLoS ONE</i> , <b>2013</b> , 8, e82838	3.7	6
43	Preparation of human foreskin fibroblasts for human embryonic stem cell culture. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.prot5043	1.2	6
42	Testicular germline stem cells. <i>Nature Reviews Urology</i> , <b>2010</b> , 7, 94-100	5.5	5
41	Metaphase spreads and spectral karyotyping of human embryonic stem cells. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.prot5047	1.2	5
40	Human germ cell lineage differentiation from embryonic stem cells. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.prot5048	1.2	5
39	A germ-cell odyssey: fate, survival, migration, stem cells and differentiation. Meeting on germ cells. <i>EMBO Reports</i> , <b>2003</b> , 4, 352-7	6.5	5
38	More than just a matter of time. <i>Reproductive BioMedicine Online</i> , <b>2013</b> , 27, 113-4	4	4
37	Culturing human embryonic stem cells with mouse embryonic fibroblast feeder cells. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.prot5042	1.2	4
36	The metabolic framework of pluripotent stem cells and potential mechanisms of regulation164-179		3
35	Status of human germ cell differentiation from pluripotent stem cells. <i>Reproduction, Fertility and Development</i> , <b>2013</b> , 25, 396-404	1.8	2
34	Human germ cell differentiation from pluripotent embryonic stem cells and induced pluripotent stem cells. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1154, 563-78	1.4	2
33	Reprogramming of DNA methylation is linked to successful human preimplantation development. <i>Histochemistry and Cell Biology</i> , <b>2021</b> , 156, 197-207	2.4	2
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27	DNA methylation analysis of human imprinted Loci by bisulfite genomic sequencing. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.prot5046	1.2	1
26	Noninvasive human nuclear transfer with embryonic stem cells. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.prot5040	1.2	1
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> , <b>2002</b> , 186, 231-239	4.4	1
24	The DAZ Gene Family and Germ-Cell Development <b>2000</b> , 213-225		1
23	Links between age at menarche, antral follicle count, and body mass index in African American and European American women. <i>Fertility and Sterility</i> , <b>2019</b> , 111, 122-131	4.8	1
22	Tet enzymes are essential for early embryogenesis and completion of embryonic genome activation. <i>EMBO Reports</i> , <b>2021</b> , e53968	6.5	1
21	Therapeutic Applications of Induced Pluripotent Stem Cells in Parkinson's Disease <b>2012</b> , 409-420		
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- 7 Human Embryonic Stem Cells and Germ Cell Development **2009**, 55-66
- 6 Method for single-cell sorting and expansion of genetically modified human embryonic stem cells. *Cold Spring Harbor Protocols*, **2008**, 2008, pdb.prot5045 1.2
- 5 Germ Cell-Specific Genes and Posttranscriptional Regulation in the Testis **2007**, 167-184
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- 3 Germ Cell Differentiation. *Human Cell Culture*, **2007**, 109-128
- 2 Germ Cell-specific Methylation Pattern: Erasure and Reestablishment. *Reproductive Medicine and Assisted Reproductive Techniques Series*, **2009**, 43-56
- 1 The Role of Time-Lapse Microscopy in Stem Cell Research and Therapy. *Pancreatic Islet Biology*, **2011**, 181-191 0.4