

# Renee A Reijo Pera

## List of Publications by Year in descending order

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139  
papers

11,293  
citations

47006

47  
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30087

103  
g-index

164  
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164  
docs citations

164  
times ranked

11325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse spermatogenic defects in humans caused by Y chromosome deletions encompassing a novel RNA-binding protein gene. <i>Nature Genetics</i> , 1995, 10, 383-393.	21.4	1,183
2	Non-invasive imaging of human embryos before embryonic genome activation predicts development to the blastocyst stage. <i>Nature Biotechnology</i> , 2010, 28, 1115-1121.	17.5	688
3	Severe oligozoospermia resulting from deletions of azoospermia factor gene on Y chromosome. <i>Lancet, The</i> , 1996, 347, 1290-1293.	13.7	526
4	Intrinsic retroviral reactivation in human preimplantation embryos and pluripotent cells. <i>Nature</i> , 2015, 522, 221-225.	27.8	507
5	Human DAZL, DAZ and BOULE genes modulate primordial germ-cell and haploid gamete formation. <i>Nature</i> , 2009, 462, 222-225.	27.8	450
6	Spontaneous differentiation of germ cells from human embryonic stem cells in vitro. <i>Human Molecular Genetics</i> , 2004, 13, 727-739.	2.9	446
7	Human embryonic stem cell genes <i>OCT4</i> , <i>NANOG</i> , <i>STELLAR</i> , and <i>GDF3</i> are expressed in both seminoma and breast carcinoma. <i>Cancer</i> , 2005, 104, 2255-2265.	4.1	406
8	Activation of Innate Immunity Is Required for Efficient Nuclear Reprogramming. <i>Cell</i> , 2012, 151, 547-558.	28.9	329
9	Human pre-implantation embryo development. <i>Development (Cambridge)</i> , 2012, 139, 829-841.	2.5	289
10	Unique gene expression signatures of independently-derived human embryonic stem cell lines. <i>Human Molecular Genetics</i> , 2004, 13, 601-608.	2.9	269
11	Dynamic blastomere behaviour reflects human embryo ploidy by the four-cell stage. <i>Nature Communications</i> , 2012, 3, 1251.	12.8	260
12	SNCA Triplication Parkinson's Patient's iPSC-derived DA Neurons Accumulate $\alpha$ -Synuclein and Are Susceptible to Oxidative Stress. <i>PLoS ONE</i> , 2011, 6, e26159.	2.5	257
13	Generation and in Vitro Differentiation of a Spermatogonial Cell Line. <i>Science</i> , 2002, 297, 392-395.	12.6	234
14	Human <i>STELLAR</i> , <i>NANOG</i> , and <i>GDF3</i> Genes Are Expressed in Pluripotent Cells and Map to Chromosome 12p13, a Hotspot for Teratocarcinoma. <i>Stem Cells</i> , 2004, 22, 169-179.	3.2	233
15	Bone Morphogenetic Proteins Induce Germ Cell Differentiation from Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2006, 15, 831-837.	2.1	230
16	The unique transcriptome through day 3 of human preimplantation development. <i>Human Molecular Genetics</i> , 2004, 13, 1461-1470.	2.9	229
17	Telomere shortening and loss of self-renewal in dyskeratosis congenita induced pluripotent stem cells. <i>Nature</i> , 2011, 474, 399-402.	27.8	220
18	Human Pumilio-2 is expressed in embryonic stem cells and germ cells and interacts with DAZ (Deleted) Tj ETQq0 0 0 rgBT /Overlock 10 T States of America, 2003, 100, 538-543.	7.1	211

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19	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, 4965-4972.	3.6	173
20	Relationship between semen production and medical comorbidity. <i>Fertility and Sterility</i> , 2015, 103, 66-71.	1.0	154
21	The primate-specific noncoding RNA HPAT5 regulates pluripotency during human preimplantation development and nuclear reprogramming. <i>Nature Genetics</i> , 2016, 48, 44-52.	21.4	153
22	Divergent RNA-binding Proteins, DAZL and VASA, Induce Meiotic Progression in Human Germ Cells Derived in Vitro. <i>Stem Cells</i> , 2012, 30, 441-451.	3.2	146
23	Human oocyte developmental potential is predicted by mechanical properties within hours after fertilization. <i>Nature Communications</i> , 2016, 7, 10809.	12.8	145
24	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, 346-352.	2.9	143
25	Defective recombination in infertile men. <i>Human Molecular Genetics</i> , 2004, 13, 2875-2883.	2.9	124
26	Human BOULE gene rescues meiotic defects in infertile flies. <i>Human Molecular Genetics</i> , 2003, 12, 169-175.	2.9	111
27	Prediction model for aneuploidy in early human embryo development revealed by single-cell analysis. <i>Nature Communications</i> , 2015, 6, 7601.	12.8	109
28	Biomarkers identified with time-lapse imaging: discovery, validation, and practical application. <i>Fertility and Sterility</i> , 2013, 99, 1035-1043.	1.0	108
29	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.	2.5	100
30	A Novel and Critical Role for Oct4 as a Regulator of the Maternal-Embryonic Transition. <i>PLoS ONE</i> , 2008, 3, e4109.	2.5	99
31	NANOS3 function in human germ cell development. <i>Human Molecular Genetics</i> , 2011, 20, 2238-2250.	2.9	91
32	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.	0.9	91
33	Fate of iPSCs Derived from Azoospermic and Fertile Men following Xenotransplantation to Murine Seminiferous Tubules. <i>Cell Reports</i> , 2014, 7, 1284-1297.	6.4	91
34	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.	2.9	82
35	Treatment of Parkinson's Disease through Personalized Medicine and Induced Pluripotent Stem Cells. <i>Cells</i> , 2019, 8, 26.	4.1	82
36	Transplantation directs oocyte maturation from embryonic stem cells and provides a therapeutic strategy for female infertility. <i>Human Molecular Genetics</i> , 2009, 18, 4376-4389.	2.9	76

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37	A gene trap mutation of a murine homolog of the <i>Drosophila</i> stem cell factor <i>Pumilio</i> results in smaller testes but does not affect litter size or fertility. <i>Molecular Reproduction and Development</i> , 2007, 74, 912-921.	2.0	74
38	Response to varicocelectomy in oligospermic men with and without defined genetic infertility. <i>Urology</i> , 2001, 57, 530-535.	1.0	73
39	<i>Pumilio-2</i> Function in the Mouse Nervous System. <i>PLoS ONE</i> , 2011, 6, e25932.	2.5	69
40	Enhanced Generation of Induced Pluripotent Stem Cells from a Subpopulation of Human Fibroblasts. <i>PLoS ONE</i> , 2009, 4, e7118.	2.5	68
41	Promotion of Human Early Embryonic Development and Blastocyst Outgrowth In Vitro Using Autocrine/Paracrine Growth Factors. <i>PLoS ONE</i> , 2012, 7, e49328.	2.5	67
42	<i>DDX3Y</i> gene rescue of a Y chromosome <i>AZF<sub>a</sub></i> deletion restores germ cell formation and transcriptional programs. <i>Scientific Reports</i> , 2015, 5, 15041.	3.3	63
43	Modeling Parkinson's Disease Using Induced Pluripotent Stem Cells. <i>Current Neurology and Neuroscience Reports</i> , 2012, 12, 237-242.	4.2	62
44	High-Efficiency Stem Cell Fusion-Mediated Assay Reveals <i>Sall4</i> as an Enhancer of Reprogramming. <i>PLoS ONE</i> , 2008, 3, e1955.	2.5	61
45	Genetic markers of ovarian follicle number and menopause in women of multiple ethnicities. <i>Human Genetics</i> , 2012, 131, 1709-1724.	3.8	60
46	Hydrogel crosslinking density regulates temporal contractility of human embryonic stem cell-derived cardiomyocytes in 3D cultures. <i>Soft Matter</i> , 2012, 8, 10141.	2.7	57
47	Fate of induced pluripotent stem cells following transplantation to murine seminiferous tubules. <i>Human Molecular Genetics</i> , 2014, 23, 3071-3084.	2.9	56
48	Antral follicle count: absence of significant midlife decline. <i>Fertility and Sterility</i> , 2010, 94, 2182-2185.	1.0	48
49	Abnormal Early Cleavage Events Predict Early Embryo Demise: Sperm Oxidative Stress and Early Abnormal Cleavage. <i>Scientific Reports</i> , 2014, 4, 6598.	3.3	48
50	Novel missense mutations of the Deleted-in-AZOospermia-Like ( <i>DAZL</i> ) gene in infertile women and men. <i>Reproductive Biology and Endocrinology</i> , 2006, 4, 40.	3.3	46
51	A gene trap knockout of the abundant sperm tail protein, outer dense fiber 2, results in preimplantation lethality. <i>Genesis</i> , 2006, 44, 515-522.	1.6	46
52	Instructing an Embryonic Stem Cell-Derived Oocyte Fate: Lessons from Endogenous Oogenesis. <i>Endocrine Reviews</i> , 2009, 30, 264-283.	20.1	46
53	Variants in Deleted in AZOospermia-Like ( <i>DAZL</i> ) are correlated with reproductive parameters in men and women. <i>Human Genetics</i> , 2006, 118, 730-740.	3.8	44
54	Ethical and Legal Issues Arising in Research on Inducing Human Germ Cells from Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2013, 13, 145-148.	11.1	44

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55	Feasibility of global gene expression analysis in testicular biopsies from infertile men. <i>Molecular Reproduction and Development</i> , 2003, 66, 403-421.	2.0	43
56	Rapid and Efficient Conversion of Integration-Free Human Induced Pluripotent Stem Cells to GMP-Grade Culture Conditions. <i>PLoS ONE</i> , 2014, 9, e94231.	2.5	43
57	X chromosome inactivation: recent advances and a look forward. <i>Current Opinion in Genetics and Development</i> , 2014, 28, 78-82.	3.3	43
58	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, 2798-2808.	2.1	42
59	Concurrent Generation of Functional Smooth Muscle and Endothelial Cells via a Vascular Progenitor. <i>Stem Cells Translational Medicine</i> , 2014, 3, 91-97.	3.3	41
60	Interaction of the conserved meiotic regulators, BOULE (BOL) and PUMILIO-2 (PUM2). <i>Molecular Reproduction and Development</i> , 2005, 71, 290-298.	2.0	40
61	Directed Dopaminergic Neuron Differentiation from Human Pluripotent Stem Cells. <i>Journal of Visualized Experiments</i> , 2014, , 51737.	0.3	40
62	Transcriptional comparison of human induced and primary midbrain dopaminergic neurons. <i>Scientific Reports</i> , 2016, 6, 20270.	3.3	38
63	Smooth Muscle Precursor Cells Derived from Human Pluripotent Stem Cells for Treatment of Stress Urinary Incontinence. <i>Stem Cells and Development</i> , 2016, 25, 453-461.	2.1	38
64	Gene expression profiles of human inner cell mass cells and embryonic stem cells. <i>Differentiation</i> , 2009, 78, 18-23.	1.9	37
65	Characterization of a <i>Dazl</i> -GFP germ cell-specific reporter. <i>Genesis</i> , 2009, 47, 74-84.	1.6	35
66	Spatiotemporal Reconstruction of the Human Blastocyst by Single-Cell Gene-Expression Analysis Informs Induction of Naive Pluripotency. <i>Developmental Cell</i> , 2016, 38, 100-115.	7.0	35
67	Recombination in men with Klinefelter syndrome. <i>Reproduction</i> , 2005, 130, 223-229.	2.6	34
68	Stem cell therapy for Parkinson's disease: safety and modeling. <i>Neural Regeneration Research</i> , 2020, 15, 36.	3.0	34
69	Direct in vivo assessment of human stem cell graft-host neural circuits. <i>NeuroImage</i> , 2015, 114, 328-337.	4.2	33
70	A PAX5-OCT4-PRDM1 developmental switch specifies human primordial germ cells. <i>Nature Cell Biology</i> , 2018, 20, 655-665.	10.3	33
71	Comparison of epigenetic mediator expression and function in mouse and human embryonic blastomeres. <i>Human Molecular Genetics</i> , 2014, 23, 4970-4984.	2.9	30
72	Single-Cell <i>XIST</i> Expression in Human Preimplantation Embryos and Newly Reprogrammed Female Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2015, 33, 1771-1781.	3.2	30

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73	Parthenogenic Blastocysts Derived from Cumulus-Free In Vitro Matured Human Oocytes. PLoS ONE, 2010, 5, e10979.	2.5	30
74	Defining Human Embryo Phenotypes by Cohort-Specific Prognostic Factors. PLoS ONE, 2008, 3, e2562.	2.5	29
75	A distinct isoform of ZNF207 controls self-renewal and pluripotency of human embryonic stem cells. Nature Communications, 2018, 9, 4384.	12.8	25
76	Estrogen Receptor $\beta$ -Selective Agonists Stimulate Calcium Oscillations in Human and Mouse Embryonic Stem Cell-Derived Neurons. PLoS ONE, 2010, 5, e11791.	2.5	25
77	Human germ cell formation in xenotransplants of induced pluripotent stem cells carrying X chromosome aneuploidies. Scientific Reports, 2014, 4, 6432.	3.3	24
78	Current and future genetic screening for male infertility. Urologic Clinics of North America, 2002, 29, 767-792.	1.8	23
79	A Method for Single-Cell Sorting and Expansion of Genetically Modified Human Embryonic Stem Cells. Stem Cells and Development, 2007, 16, 109-118.	2.1	22
80	Donation of Embryos for Human Development and Stem Cell Research. Cell Stem Cell, 2011, 8, 360-362.	11.1	22
81	Over Expression of NANOS3 and DAZL in Human Embryonic Stem Cells. PLoS ONE, 2016, 11, e0165268.	2.5	22
82	Evolutionary comparison of the reproductive genes, DAZL and BOULE, in primates with and without DAZ. Development Genes and Evolution, 2006, 216, 158-168.	0.9	21
83	Reprogramming of Fibroblasts From Older Women With Pelvic Floor Disorders Alters Cellular Behavior Associated With Donor Age. Stem Cells Translational Medicine, 2013, 2, 118-128.	3.3	21
84	A Knockin Reporter Allows Purification and Characterization of mDA Neurons from Heterogeneous Populations. Cell Reports, 2017, 18, 2533-2546.	6.4	20
85	Tet enzymes are essential for early embryogenesis and completion of embryonic genome activation. EMBO Reports, 2022, 23, e53968.	4.5	20
86	Dynamic and social behaviors of human pluripotent stem cells. Scientific Reports, 2015, 5, 14209.	3.3	18
87	Modeling human germ cell development with embryonic stem cells. Regenerative Medicine, 2006, 1, 85-93.	1.7	17
88	The road to pluripotency: the research response to the embryonic stem cell debate. Human Molecular Genetics, 2008, 17, R3-R9.	2.9	16
89	Quantification of dopaminergic neuron differentiation and neurotoxicity via a genetic reporter. Scientific Reports, 2016, 6, 25181.	3.3	16
90	Intermolecular interactions of homologs of germ plasm components in mammalian germ cells. Developmental Biology, 2007, 301, 417-431.	2.0	12

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91	Preparation of Mouse Embryonic Fibroblast Feeder Cells for Human Embryonic Stem Cell Culture. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5041.	0.3	12
92	Bone returns the favour. Nature, 2011, 472, 46-47.	27.8	11
93	A Modified Method for Implantation of Pluripotent Stem Cells Under the Rodent Kidney Capsule. Stem Cells and Development, 2014, 23, 2119-2125.	2.1	11
94	Reprogramming of DNA methylation is linked to successful human preimplantation development. Histochemistry and Cell Biology, 2021, 156, 197-207.	1.7	11
95	Male infertility, genetic analysis of the DAZ genes on the human Y chromosome and genetic analysis of DNA repair. Molecular and Cellular Endocrinology, 2001, 184, 41-49.	3.2	10
96	Culturing Human Embryonic Stem Cells in Feeder-Free Conditions. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5044-pdb.prot5044.	0.3	10
97	Generation of Human Induced Pluripotent Stem Cells Using Epigenetic Regulators Reveals a Germ Cell-Like Identity in Partially Reprogrammed Colonies. PLoS ONE, 2013, 8, e82838.	2.5	10
98	Creating human germ cells for unmet reproductive needs. Nature Biotechnology, 2016, 34, 470-473.	17.5	9
99	Preparation of Human Foreskin Fibroblasts for Human Embryonic Stem Cell Culture. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5043.	0.3	7
100	Testicular germline stem cells. Nature Reviews Urology, 2010, 7, 94-100.	3.8	7
101	Links between age at menarche, antral follicle count, and body mass index in African American and European American women. Fertility and Sterility, 2019, 111, 122-131.	1.0	7
102	Transcriptional control of human gametogenesis. Human Reproduction Update, 2022, 28, 313-345.	10.8	7
103	A germ cell odyssey: fate, survival, migration, stem cells and differentiation. EMBO Reports, 2003, 4, 352-357.	4.5	6
104	Metaphase Spreads and Spectral Karyotyping of Human Embryonic Stem Cells. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5047-pdb.prot5047.	0.3	5
105	Human Germ Cell Lineage Differentiation from Embryonic Stem Cells. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5048-pdb.prot5048.	0.3	5
106	More than just a matter of time. Reproductive BioMedicine Online, 2013, 27, 113-114.	2.4	5
107	Culturing Human Embryonic Stem Cells with Mouse Embryonic Fibroblast Feeder Cells. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5042-pdb.prot5042.	0.3	4
108	Stems cells and regeneration: Special Review Issue. Human Molecular Genetics, 2008, 17, R1-R2.	2.9	3

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109	The metabolic framework of pluripotent stem cells and potential mechanisms of regulation. , 0 , 164-179.		3
110	Preimplantation Embryo Development and Primordial Germ Cell Lineage Specification. , 2015 , 233-265.		3
111	Human Germ Cell Differentiation from Pluripotent Embryonic Stem Cells and Induced Pluripotent Stem Cells. Methods in Molecular Biology, 2014, 1154, 563-578.	0.9	3
112	Noninvasive Human Nuclear Transfer with Embryonic Stem Cells. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5040-pdb.prot5040.	0.3	2
113	Status of human germ cell differentiation from pluripotent stem cells. Reproduction, Fertility and Development, 2013, 25, 396.	0.4	2
114	Male infertility, genetic analysis of the DAZ genes on the human Y chromosome and genetic analysis of DNA repair. Molecular and Cellular Endocrinology, 2002, 186, 231-239.	3.2	1
115	DNA Methylation Analysis of Human Imprinted Loci by Bisulfite Genomic Sequencing. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5046.	0.3	1
116	Making Germ Cells from Human Embryonic Stem Cells. , 2011 , 49-86.		1
117	Germ-cell differentiation from pluripotent cells. , 2013 , 15-29.		1
118	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?. , 0 , 93-101.		1
119	Adult stem cells in the human endometrium. , 0 , 115-132.		1
120	The DAZ Gene Family and Germ-Cell Development. , 2000 , 213-225.		1
121	The <i>DAZ</i> gene family and human germ cell development from embryonic stem cells. , 2006 , 323-350.		0
122	Genomic imprinting disorders and birth defects in pregnancies conceived with assisted reproductive technology (ART). American Journal of Obstetrics and Gynecology, 2006, 195, S15.	1.3	0
123	Germ Cell-Specific Genes and Posttranscriptional Regulation in the Testis. , 2007 , 167-184.		0
124	Method for Single-Cell Sorting and Expansion of Genetically Modified Human Embryonic Stem Cells. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5045.	0.3	0
125	Germ Cell-Specific Methylation Pattern: Erasure and Reestablishment. Reproductive Medicine and Assisted Reproductive Techniques Series, 2009 , 43-56.	0.1	0
126	Human Embryonic Stem Cells and Germ Cell Development. , 2009 , 55-66.		0



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127	Therapeutic Applications of Induced Pluripotent Stem Cells in Parkinson's Disease. , 2012, , 409-420.		0
128	In vitro production of functional sperm from neonatal mouse testes. , 0, , 46-51.		0
129	Adult stem-cell population in the human testis. , 0, , 52-62.		0
130	Gene expression dynamics during human embryonic development. , 0, , 76-83.		0
131	Embryonic stem cells from blastomeres maintaining embryo viability. , 0, , 84-92.		0
132	In utero hematopoietic cell transplantation. , 0, , 133-139.		0
133	Bone-marrow stroma: A source of mesenchymal stem cells for cell therapy. , 0, , 140-151.		0
134	Human genes modulating primordial germ cell and gamete formation. , 0, , 224-235.		0
135	Editorial overview: Cell reprogramming, regeneration and repair. Current Opinion in Genetics and Development, 2014, 28, v-vi.	3.3	0
136	MP66-18 EVIDENCE OF SPERMATOGENIC DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS IN AN IN VITRO HOLLOW FIBER MODEL. Journal of Urology, 2014, 191, .	0.4	0
137	Human DAZL1 Encodes a Candidate Fertility Factor in Women That Localizes to the Prenatal and Postnatal Germ Cells. Obstetrical and Gynecological Survey, 2000, 55, 154-155.	0.4	0
138	Germ Cell Differentiation. Human Cell Culture, 2007, , 109-128.	0.1	0
139	Germ Cell-Specific Methylation Pattern: Erasure and Reestablishment. Reproductive Medicine and Assisted Reproductive Techniques Series, 2009, , 43-56.	0.1	0