

# Dagan Wells

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8442043/publications.pdf>

Version: 2024-02-01

92  
papers

5,383  
citations

116194

36  
h-index

169272

56  
g-index

99  
all docs

99  
docs citations

99  
times ranked

4622  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying and optimizing human endometrial gene expression signatures for endometrial dating. Human Reproduction, 2022, 37, 284-296.	0.4	10
2	O-042€fESHRE good practice recommendations on chromosomal mosaicism. Human Reproduction, 2022, 37, .	0.4	0
3	Frequent loss of heterozygosity in CRISPR-Cas9€“edited early human embryos. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	123
4	Clinical application of sequencing-based methods for parallel preimplantation genetic testing for mitochondrial DNA disease and aneuploidy. Fertility and Sterility, 2021, 115, 1521-1532.	0.5	7
5	O-172 Metabolic imaging of cumulus cells to predict embryo implantation potential. Human Reproduction, 2021, 36, .	0.4	0
6	Metabolic imaging of human cumulus cells reveals associations among metabolic profiles of cumulus cells, patient clinical factors, and oocyte maturity. Fertility and Sterility, 2021, 116, 1651-1662.	0.5	7
7	Extensive analysis of mitochondrial DNA quantity and sequence variation in human cumulus cells and assisted reproduction outcomes. Human Reproduction, 2021, , .	0.4	7
8	Aneuploidy and recombination in the human preimplantation embryo. Copy number variation analysis and genome-wide polymorphism genotyping. Reproductive BioMedicine Online, 2020, 40, 479-493.	1.1	7
9	Non-invasive preimplantation genetic testing (niPGT): the next revolution in reproductive genetics?. Human Reproduction Update, 2020, 26, 16-42.	5.2	101
10	Future technologies for preimplantation genetic applications. , 2020, , 255-269.		0
11	The BCL-2 pathway preserves mammalian genome integrity by eliminating recombination-defective oocytes. Nature Communications, 2020, 11, 2598.	5.8	16
12	Coronavirus disease-19 and fertility: viral host entry protein expression in male and female reproductive tissues. Fertility and Sterility, 2020, 114, 33-43.	0.5	168
13	Divining the genetic status of embryos: consult the medium?. Fertility and Sterility, 2019, 112, 471-473.	0.5	2
14	Preimplantation genetic screening should be used in all in vitro fertilisation cycles in women over the age of 35 years: <scp>FOR</scp>: Optimising reproductive outcomes is cost€effective and minimises adverse sequelae. BJOG: an International Journal of Obstetrics and Gynaecology, 2019, 126, 1554-1554.	1.1	6
15	Current Controversies in Prenatal Diagnosis 3: Gene editing should replace embryo selection following PGD. Prenatal Diagnosis, 2019, 39, 344-350.	1.1	8
16	The cytogenetic constitution of human blastocysts: insights from comprehensive chromosome screening strategies. Human Reproduction Update, 2019, 25, 15-33.	5.2	87
17	The First ongoing Pregnancy Following Comprehensive Aneuploidy Assessment Using a Combined Blastocentesis, Cell Free DNA and Trophoctoderm Biopsy Strategy. Journal of Reproduction and Infertility, 2019, 20, 57-62.	1.0	5
18	Pores for thought: preimplantation genetic testing using a nanopore-based DNA sequencer. Fertility and Sterility, 2018, 110, 853-855.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Clinical application of a protocol based on universal next-generation sequencing for the diagnosis of beta-thalassaemia and sickle cell anaemia in preimplantation embryos. <i>Reproductive BioMedicine Online</i> , 2018, 37, 136-144.	1.1	17
20	Current status and future prospects of noninvasive preimplantation genetic testing for aneuploidy. <i>Fertility and Sterility</i> , 2018, 110, 408-409.	0.5	5
21	Live birth derived from oocyte spindle transfer to prevent mitochondrial disease. <i>Reproductive BioMedicine Online</i> , 2017, 34, 361-368.	1.1	255
22	Detection of mosaicism at blastocyst stage with the use of high-resolution next-generation sequencing. <i>Fertility and Sterility</i> , 2017, 107, 1085-1091.	0.5	164
23	Mitochondrial DNA quantification as a tool for embryo viability assessment: retrospective analysis of data from single euploid blastocyst transfers. <i>Human Reproduction</i> , 2017, 32, 1282-1292.	0.4	99
24	Analysis of implantation and ongoing pregnancy rates following the transfer of mosaic diploidâ€“aneuploid blastocysts. <i>Human Genetics</i> , 2017, 136, 805-819.	1.8	190
25	Mitochondrial DNA quantity as a biomarker for blastocyst implantation potential. <i>Fertility and Sterility</i> , 2017, 108, 742-747.	0.5	38
26	Clinical implications of mitochondrial DNA quantification on pregnancy outcomes: a blinded prospective non-selection study. <i>Human Reproduction</i> , 2017, 32, 2340-2347.	0.4	90
27	Genome editing reveals a role for OCT4 in human embryogenesis. <i>Nature</i> , 2017, 550, 67-73.	13.7	315
28	Embryos with morphokinetic abnormalities may develop into euploid blastocysts. <i>Reproductive BioMedicine Online</i> , 2017, 34, 137-146.	1.1	104
29	The incidence and origin of segmental aneuploidy in human oocytes and preimplantation embryos. <i>Human Reproduction</i> , 2017, 32, 2549-2560.	0.4	101
30	Reply: Mitochondrial DNA Quantificationâ€”the devil in the detail. <i>Human Reproduction</i> , 2017, 32, 2150-2151.	0.4	15
31	Investigation of sperm telomere length as a potential marker of paternal genome integrity and semen quality. <i>Reproductive BioMedicine Online</i> , 2016, 33, 404-411.	1.1	65
32	Polymorphisms in the MTHFR gene influence embryo viability and the incidence of aneuploidy. <i>Human Genetics</i> , 2016, 135, 555-568.	1.8	65
33	Why do euploid embryos miscarry? A case-control study comparing the rate of aneuploidy within presumed euploid embryos that resulted in miscarriage or live birth using next-generation sequencing. <i>Fertility and Sterility</i> , 2016, 106, 1414-1419.e5.	0.5	154
34	Causes and estimated incidences of sex-chromosome misdiagnosis in preimplantation genetic diagnosis of aneuploidy. <i>Reproductive BioMedicine Online</i> , 2016, 33, 550-559.	1.1	5
35	Towards clinical application of pronuclear transfer to prevent mitochondrial DNA disease. <i>Nature</i> , 2016, 534, 383-386.	13.7	278
36	The why, the how and the when of PGS 2.0: current practices and expert opinions of fertility specialists, molecular biologists, and embryologists. <i>Molecular Human Reproduction</i> , 2016, 22, 845-857.	1.3	116

#	ARTICLE	IF	CITATIONS
37	Mosaicism: "œsurvival of the fittest" versus "œno embryo left behind" Fertility and Sterility, 2016, 105, 1146-1149.	0.5	102
38	Characterization and quantification of proteins secreted by single human embryos prior to implantation. EMBO Molecular Medicine, 2015, 7, 1465-1479.	3.3	36
39	Altered Levels of Mitochondrial DNA Are Associated with Female Age, Aneuploidy, and Provide an Independent Measure of Embryonic Implantation Potential. PLoS Genetics, 2015, 11, e1005241.	1.5	253
40	Mitochondrial DNA Assessment to Determine Oocyte and Embryo Viability. Seminars in Reproductive Medicine, 2015, 33, 401-409.	0.5	60
41	Routine use of next-generation sequencing for preimplantation genetic diagnosis of blastomeres obtained from embryos on day 3 in fresh in vitro fertilization cycles. Fertility and Sterility, 2015, 103, 1031-1036.	0.5	27
42	Validation of next-generation sequencing for comprehensive chromosome screening of embryos. Reproductive BioMedicine Online, 2015, 31, 760-769.	1.1	107
43	Karyomapping identifies second polar body DNA persisting to the blastocyst stage: implications for embryo biopsy. Reproductive BioMedicine Online, 2015, 31, 776-782.	1.1	18
44	Live births following Karyomapping of human blastocysts: experience from clinical application of the method. Reproductive BioMedicine Online, 2015, 31, 394-403.	1.1	61
45	Health outcomes of children born after IVF/ICSI: a review of current expert opinion and literature. Reproductive BioMedicine Online, 2014, 28, 162-182.	1.1	106
46	Morphological and cytogenetic assessment of cleavage and blastocyst stage embryos. Molecular Human Reproduction, 2014, 20, 117-126.	1.3	151
47	Simultaneous assessment of aneuploidy, polymorphisms, and mitochondrial DNA content in human polar bodies and embryos with the use of a novel microarray platform. Fertility and Sterility, 2014, 102, 1385-1392.	0.5	41
48	Genome-wide karyomapping accurately identifies the inheritance of single-gene defects in human preimplantation embryos in vitro. Genetics in Medicine, 2014, 16, 838-845.	1.1	126
49	Clinical utilisation of a rapid low-pass whole genome sequencing technique for the diagnosis of aneuploidy in human embryos prior to implantation. Journal of Medical Genetics, 2014, 51, 553-562.	1.5	200
50	Next-generation sequencing: the dawn of a new era for preimplantation genetic diagnostics. Fertility and Sterility, 2014, 101, 1250-1251.	0.5	23
51	Genomic DNA in human blastocoele fluid. Reproductive BioMedicine Online, 2013, 26, 603-610.	1.1	128
52	The origin and impact of embryonic aneuploidy. Human Genetics, 2013, 132, 1001-1013.	1.8	236
53	Sexual development. , 2013, , 8-17.		1
54	Sperm biology and maturation. , 2013, , 89-97.		2

#	ARTICLE	IF	CITATIONS
55	The male reproductive tract and spermatogenesis. , 2013, , 18-26.		3
56	Human organogenesis. , 2013, , 118-132.		2
57	Cryopreservation in assisted reproduction. , 2013, , 327-336.		1
58	Early embryogenesis. , 2013, , 110-117.		2
59	Reproductive surgery. , 2013, , 337-345.		1
60	Cytogenetic analysis of human blastocysts with the use of FISH, CGH and aCGH: scientific data and technical evaluation. Human Reproduction, 2011, 26, 480-490.	0.4	255
61	The human oocyte and cumulus cells relationship: new insights from the cumulus cell transcriptome. Molecular Human Reproduction, 2010, 16, 715-725.	1.3	183
62	Toward a method for automatic grading of microscope human embryo images. , 2010, , .		4
63	Embryo aneuploidy and the role of morphological and genetic screening. Reproductive BioMedicine Online, 2010, 21, 274-277.	1.1	25
64	Preimplantation genetic diagnosis of single-gene disorders: experience with more than 200 cycles conducted by a reference laboratory in the United States. Fertility and Sterility, 2009, 92, 1544-1556.	0.5	66
65	Use of comprehensive chromosomal screening for embryo assessment: microarrays and CGH. Molecular Human Reproduction, 2008, 14, 703-710.	1.3	164
66	Removal of 2 cells from cleavage stage embryos is likely to reduce the efficacy of chromosomal tests that are used to enhance implantation rates. Fertility and Sterility, 2007, 87, 496-503.	0.5	206
67	Detailed investigation of factors influencing amplification efficiency and allele drop-out in single cell PCR: implications for preimplantation genetic diagnosis. Molecular Human Reproduction, 2003, 9, 411-420.	1.3	137
68	Ovulation and regulation of the menstrual cycle. , 0, , 38-47.		1
69	Key events in early oogenesis affecting oocyte competence in women. , 0, , 48-57.		1
70	Legal, ethical and regulatory aspects of Assisted Reproductive Technology (ART). , 0, , 193-199.		1
71	Semen analysis and preparation. , 0, , 239-249.		0
72	Fertilization and egg activation. , 0, , 98-109.		0

#	ARTICLE	IF	CITATIONS
73	Reproductive immunology. , 0, , 79-88.		1
74	Quality management in assisted reproduction. , 0, , 200-209.		0
75	Superovulation protocols. , 0, , 250-261.		1
76	Reproductive endocrinology. , 0, , 65-78.		0
77	Embryo culture. , 0, , 275-285.		1
78	Fertility control and contraception. , 0, , 143-151.		0
79	In vitro maturation of oocytes. , 0, , 300-312.		0
80	Morphological expressions of human egg and embryo quality. , 0, , 313-326.		1
81	Intracytoplasmic sperm injection (ICSI). , 0, , 262-274.		0
82	Embryo biopsy. , 0, , 286-299.		0
83	Social aspects of using reproductive technology. , 0, , 169-176.		0
84	Female reproductive tract and oocyte development. , 0, , 27-37.		0
85	Preimplantation genetic screening. , 0, , 357-363.		0
86	Regulation of gonadal function. , 0, , 58-64.		0
87	Causes and investigations of male and female infertility. , 0, , 152-160.		0
88	Treatment of male and female infertility. , 0, , 161-168.		0
89	Regulation of assisted conception in the UK. , 0, , 210-218.		0
90	Preimplantation genetic diagnosis. , 0, , 346-356.		1

#	ARTICLE	IF	CITATIONS
91	The biology and therapeutic potential of embryonic stem cells. , 0, , 364-373.		0
92	Ethical considerations for clinical embryology. , 0, , 374-380.		0