

# Daniel R Brison

## List of Publications by Year in descending order

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Version: 2024-02-01

84  
papers

4,241  
citations

159525

30  
h-index

114418

63  
g-index

89  
all docs

89  
docs citations

89  
times ranked

5006  
citing authors

#	ARTICLE	IF	CITATIONS
1	Live birth rate following undisturbed embryo culture at low oxygen in a time-lapse incubator compared to a high-quality benchtop incubator. <i>Human Fertility</i> , 2022, 25, 147-153.	0.7	16
2	Elective freezing of embryos versus fresh embryo transfer in IVF: a multicentre randomized controlled trial in the UK (E-Freeze). <i>Human Reproduction</i> , 2022, 37, 476-487.	0.4	23
3	Trophectoderm differentiation to invasive syncytiotrophoblast is promoted by endometrial epithelial cells during human embryo implantation. <i>Human Reproduction</i> , 2022, 37, 777-792.	0.4	28
4	The Quiet Embryo Hypothesis: 20 years on. <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	17
5	Transfer of thawed frozen embryo versus fresh embryo to improve the healthy baby rate in women undergoing IVF: the E-Freeze RCT. <i>Health Technology Assessment</i> , 2022, 26, 1-142.	1.3	5
6	Clinical efficacy of hyaluronate-containing embryo transfer medium in IVF/ICSI treatment cycles: a cohort study. <i>Human Reproduction Open</i> , 2021, 2021, hoab004.	2.3	8
7	Cohort profile: a national, population-based cohort of children born after assisted conception in the UK (1992â€“2009): methodology and birthweight analysis. <i>BMJ Open</i> , 2021, 11, e050931.	0.8	4
8	The expression and activity of Toll-like receptors in the preimplantation human embryo suggest a new role for innate immunity. <i>Human Reproduction</i> , 2021, 36, 2661-2675.	0.4	3
9	Associations of sperm telomere length with semen parameters, clinical outcomes and lifestyle factors in human normozoospermic samples. <i>Andrology</i> , 2020, 8, 583-593.	1.9	19
10	Protein O-GlcNAcylation Promotes Trophoblast Differentiation at Implantation. <i>Cells</i> , 2020, 9, 2246.	1.8	9
11	Human spermbots for patient-representative 3D ovarian cancer cell treatment. <i>Nanoscale</i> , 2020, 12, 20467-20481.	2.8	31
12	Chemical signals from eggs facilitate cryptic female choice in humans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200805.	1.2	30
13	The effects of hyaluronate-containing medium on human embryo attachment to endometrial epithelial cells in vitro. <i>Human Reproduction Open</i> , 2020, 2020, hoz033.	2.3	18
14	The impact of selected embryo culture conditions on ART treatment cycle outcomes: a UK national study. <i>Human Reproduction Open</i> , 2020, 2020, hoz031.	2.3	28
15	Associations of IVF singleton birthweight and gestation with clinical treatment and laboratory factors: a multicentre cohort study. <i>Human Reproduction</i> , 2020, 35, 2860-2870.	0.4	12
16	Glucose concentration during equine in vitro maturation alters mitochondrial function. <i>Reproduction</i> , 2020, 160, 227-237.	1.1	5
17	Embryonic Stem Cells. , 2020, , 315-365.		0
18	Application of extracellular flux analysis for determining mitochondrial function in mammalian oocytes and early embryos. <i>Scientific Reports</i> , 2019, 9, 16778.	1.6	36

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19	Physiological, hyaluronan-selected intracytoplasmic sperm injection for infertility treatment (HABSelect): a parallel, two-group, randomised trial. <i>Lancet, The</i> , 2019, 393, 416-422.	6.3	85
20	The role of Trp53 in the mouse embryonic response to DNA damage. <i>Molecular Human Reproduction</i> , 2019, 25, 397-407.	1.3	2
21	Study protocol: E-freeze - freezing of embryos in assisted conception: a randomised controlled trial evaluating the clinical and cost effectiveness of a policy of freezing embryos followed by thawed frozen embryo transfer compared with a policy of fresh embryo transfer, in women undergoing in vitro fertilisation. <i>Reproductive Health</i> , 2019, 16, 81.	1.2	17
22	Characterisation of Osteopontin in an In Vitro Model of Embryo Implantation. <i>Cells</i> , 2019, 8, 432.	1.8	21
23	The impact of IVF on birthweight from 1991 to 2015: a cross-sectional study. <i>Human Reproduction</i> , 2019, 34, 920-931.	0.4	28
24	Going to extremes: the Goldilocks/Lagom principle and data distribution. <i>BMJ Open</i> , 2019, 9, e027767.	0.8	9
25	Temperature of embryo culture for assisted reproduction. <i>The Cochrane Library</i> , 2019, 9, CD012192.	1.5	13
26	Sperm selection for assisted reproduction by prior hyaluronan binding: the HABSelect RCT. Efficacy and Mechanism Evaluation, 2019, 6, 1-80.	0.9	9
27	The growth of assisted reproductive treatment-conceived children from birth to 5Âyears: a national cohort study. <i>BMC Medicine</i> , 2018, 16, 224.	2.3	47
28	Embryonic Stem Cells. , 2018, , 1-51.		1
29	Osmotic stress induces JNK-dependent embryo invasion in a model of implantation. <i>Reproduction</i> , 2018, 156, 421-428.	1.1	5
30	Investigating the Glycating Effects of Glucose, Glyoxal and Methylglyoxal on Human Sperm. <i>Scientific Reports</i> , 2018, 8, 9002.	1.6	33
31	Reply I: Embryo culture media effects. <i>Human Reproduction</i> , 2017, 32, 719.	0.4	0
32	0393â€...A systematic literature review: organophosphate (op) pesticide exposure and semen quality. , 2017, , .		0
33	Apposition to endometrial epithelial cells activates mouse blastocysts for implantation. <i>Molecular Human Reproduction</i> , 2017, 23, 617-627.	1.3	55
34	HighÂquality clinicalÂgrade human embryonic stem cell lines derived from fresh discarded embryos. <i>Stem Cell Research and Therapy</i> , 2017, 8, 128.	2.4	37
35	Professor Henry J Leese: honorary member of the European Society of Human Reproduction and Embryology. <i>Human Fertility</i> , 2016, 19, 220-221.	0.7	0
36	No common denominator: a review of outcome measures in IVF RCTs. <i>Human Reproduction</i> , 2016, 31, 2714-2722.	0.4	45

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37	Biological optimization, the Goldilocks principle, and how much is <i>lagom</i> in the preimplantation embryo. <i>Molecular Reproduction and Development</i> , 2016, 83, 748-754.	1.0	66
38	Time to take human embryo culture seriously: Table I. <i>Human Reproduction</i> , 2016, 31, 2174-2182.	0.4	131
39	Factors affecting embryo viability and uterine receptivity: insights from an analysis of the UK registry data. <i>Reproductive BioMedicine Online</i> , 2016, 32, 197-206.	1.1	7
40	The Molecular Karyotype of 25 Clinical-Grade Human Embryonic Stem Cell Lines. <i>Scientific Reports</i> , 2015, 5, 17258.	1.6	54
41	Elective Single Embryo Transfer: an update to UK Best Practice Guidelines. <i>Human Fertility</i> , 2015, 18, 165-183.	0.7	62
42	ACE consensus meeting report: Culture systems. <i>Human Fertility</i> , 2014, 17, 239-251.	0.7	20
43	Metabolic heterogeneity during preimplantation development: the missing link?. <i>Human Reproduction Update</i> , 2014, 20, 632-640.	5.2	35
44	How should we assess the safety of IVF technologies?. <i>Reproductive BioMedicine Online</i> , 2013, 27, 710-721.	1.1	49
45	Testing for hypersensitivity to seminal fluid-free spermatozoa. <i>Human Fertility</i> , 2013, 16, 128-131.	0.7	7
46	Global Gene Expression Profiling of Individual Human Oocytes and Embryos Demonstrates Heterogeneity in Early Development. <i>PLoS ONE</i> , 2013, 8, e64192.	1.1	33
47	Embryo morphology as a predictor of IVF success: An evaluation of the proposed UK ACE grading scheme for cleavage stage embryos. <i>Human Fertility</i> , 2012, 15, 11-17.	0.7	22
48	Comparison of gene expression in fresh and frozen-thawed human preimplantation embryos. <i>Reproduction</i> , 2012, 144, 569-582.	1.1	45
49	When and how should new technology be introduced into the IVF laboratory?. <i>Human Reproduction</i> , 2012, 27, 303-313.	0.4	146
50	ACE consensus meeting report: oocyte and embryo cryopreservation Sheffield 17.05.11. <i>Human Fertility</i> , 2012, 15, 69-74.	0.7	23
51	Optimized Protocol for Derivation of Human Embryonic Stem Cell Lines. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 1011-1020.	5.6	9
52	The use of single embryo transfer to reduce the incidence of twins: Implications and questions for practice from the "towardSET" project. <i>Human Fertility</i> , 2011, 14, 89-96.	0.7	8
53	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. <i>Nature Biotechnology</i> , 2011, 29, 1132-1144.	9.4	509
54	Gene expression analysis of a new source of human oocytes and embryos for research and human embryonic stem cell derivation. <i>Fertility and Sterility</i> , 2011, 95, 1410-1415.	0.5	5

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55	Prognostic factors influencing fresh and frozen IVF outcomes: an analysis of the UK national database. <i>Reproductive BioMedicine Online</i> , 2011, 22, 437-448.	1.1	9
56	Human feeder cell line for derivation and culture of hESC/hiPSc. <i>Stem Cell Research</i> , 2011, 7, 154-162.	0.3	17
57	Reducing the incidence of twins from IVF treatments: predictive modelling from a retrospective cohort. <i>Human Reproduction</i> , 2011, 26, 569-575.	0.4	33
58	Derivation of Man-1 and Man-2 research grade human embryonic stem cell lines. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2010, 46, 386-394.	0.7	15
59	Directed differentiation of human embryonic stem cells toward chondrocytes. <i>Nature Biotechnology</i> , 2010, 28, 1187-1194.	9.4	271
60	Naturally Immortalised Mouse Embryonic Fibroblast Lines Support Human Embryonic Stem Cell Growth. <i>Cloning and Stem Cells</i> , 2009, 11, 453-462.	2.6	9
61	Clinically failed eggs as a source of normal human embryo stem cells. <i>Stem Cell Research</i> , 2009, 2, 188-197.	0.3	27
62	Assessing embryo viability by measurement of amino acid turnover. <i>Reproductive BioMedicine Online</i> , 2008, 17, 486-496.	1.1	83
63	Working Party on Sperm Donation Services in the UK. <i>Human Fertility</i> , 2008, 11, 147-158.	0.7	21
64	Modelling the impact of single embryo transfer in a national health service IVF programme. <i>Human Reproduction</i> , 2008, 24, 122-131.	0.4	27
65	Metabolism of the viable mammalian embryo: quietness revisited. <i>Molecular Human Reproduction</i> , 2008, 14, 667-672.	1.3	228
66	Predicting human embryo viability: the road to non-invasive analysis of the secretome using metabolic footprinting. <i>Reproductive BioMedicine Online</i> , 2007, 15, 296-302.	1.1	50
67	The optimal length of "coasting protocol"™ in women at risk of ovarian hyperstimulation syndrome undergoing in vitro fertilization. <i>Human Fertility</i> , 2006, 9, 175-180.	0.7	45
68	Cryopreserved-thawed embryo transfer in natural or down-regulated hormonally controlled cycles: a retrospective study. <i>Fertility and Sterility</i> , 2006, 85, 603-609.	0.5	99
69	Ovarian response to gonadotropins after laparoscopic salpingectomy or the division of fallopian tubes for hydrosalpinges. <i>Fertility and Sterility</i> , 2006, 85, 1464-1468.	0.5	95
70	Metabolomics: Current technologies and future trends. <i>Proteomics</i> , 2006, 6, 4716-4723.	1.3	471
71	Challenges imposed by scientific development in ART. <i>Human Fertility</i> , 2005, 8, 93-96.	0.7	2
72	Ultrastructural Preservation of Ovarian Cortical Tissue Cryopreserved in Dimethylsulfoxide for Subsequent Transplantation into Young Female Cancer Patients. <i>Ultrastructural Pathology</i> , 2004, 28, 239-245.	0.4	33

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73	Expression of 11 members of the BCL-2 family of apoptosis regulatory molecules during human preimplantation embryo development and fragmentation. <i>Molecular Reproduction and Development</i> , 2004, 68, 35-50.	1.0	94
74	Amplification of representative cDNA pools from single human oocytes and pronucleate embryos. <i>Molecular Reproduction and Development</i> , 2003, 65, 1-8.	1.0	16
75	Transport of embryos resulting from intracytoplasmic sperm injection, but not oocytes, adversely affects implantation. <i>Fertility and Sterility</i> , 2003, 80, 1529-1531.	0.5	1
76	Waiting for in vitro fertilization treatment: Spontaneous and ART live births. <i>Human Fertility</i> , 2003, 6, 116-121.	0.7	7
77	Use eggs, not embryos, to derive stem cells. <i>BMJ: British Medical Journal</i> , 2003, 327, 872-a-872.	2.4	7
78	Apoptosis in the preimplantation mouse embryo: Effect of strain difference and in vitro culture. <i>Molecular Reproduction and Development</i> , 2002, 61, 67-77.	1.0	87
79	Overview: Are blastocysts better. <i>Human Fertility</i> , 2000, 3, 227-228.	0.7	0
80	Apoptosis in mammalian preimplantation embryos: Regulation by survival factors. <i>Human Fertility</i> , 2000, 3, 36-47.	0.7	74
81	Increased Incidence of Apoptosis in Transforming Growth Factor $\beta$ -Deficient Mouse Blastocysts <sup>1</sup> . <i>Biology of Reproduction</i> , 1998, 59, 136-144.	1.2	105
82	Apoptosis during Mouse Blastocyst Formation: Evidence for a Role for Survival Factors Including Transforming Growth Factor $\beta$ . <i>Biology of Reproduction</i> , 1997, 56, 1088-1096.	1.2	361
83	The role of exogenous energy substrates in blastocoele fluid accumulation in the rat. <i>Zygote</i> , 1994, 2, 69-77.	0.5	20
84	The Female Reproductive Tract and Early Embryo Development. , 0, , 99-108.		0