

# Daniel R Brison

## List of Publications by Year in descending order

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Version: 2024-02-01

84  
papers

4,241  
citations

159585  
30  
h-index

114465  
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.            | 1.7 | 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.                   | 0.9 | 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.         | 0.9 | 28        |
| 4  | The Quiet Embryo Hypothesis: 20 years on. <i>Frontiers in Physiology</i> , 2022, 13, .   | 2.8 | 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.            | 2.8 | 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.                             | 5.4 | 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. | 1.9 | 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.                    | 0.9 | 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.                        | 3.5 | 19        |
| 10 | Protein O-GlcNAcylation Promotes Trophoblast Differentiation at Implantation. <i>Cells</i> , 2020, 9, 2246.  | 4.1 | 9         |
| 11 | Human spermbots for patient-representative 3D ovarian cancer cell treatment. <i>Nanoscale</i> , 2020, 12, 20467-20481.   | 5.6 | 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.                                       | 2.6 | 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.                             | 5.4 | 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.  | 5.4 | 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.               | 0.9 | 12        |
| 16 | Glucose concentration during equine in vitro maturation alters mitochondrial function. <i>Reproduction</i> , 2020, 160, 227-237.   | 2.6 | 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.                              | 3.3 | 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.  | 13.7 | 85        |
| 20 | The role of Trp53 in the mouse embryonic response to DNA damage. <i>Molecular Human Reproduction</i> , 2019, 25, 397-407.   | 2.8  | 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. | 3.1  | 17        |
| 22 | Characterisation of Osteopontin in an In Vitro Model of Embryo Implantation. <i>Cells</i> , 2019, 8, 432.   | 4.1  | 21        |
| 23 | The impact of IVF on birthweight from 1991 to 2015: a cross-sectional study. <i>Human Reproduction</i> , 2019, 34, 920-931.   | 0.9  | 28        |
| 24 | Going to extremes: the Goldilocks/Lagom principle and data distribution. <i>BMJ Open</i> , 2019, 9, e027767.  | 1.9  | 9         |
| 25 | Temperature of embryo culture for assisted reproduction. <i>The Cochrane Library</i> , 2019, 9, CD012192.   | 2.8  | 13        |
| 26 | Sperm selection for assisted reproduction by prior hyaluronan binding: the HABSelect RCT. Efficacy and Mechanism Evaluation, 2019, 6, 1-80.   | 0.7  | 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.   | 5.5  | 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.  | 2.6  | 5         |
| 30 | Investigating the Glycating Effects of Glucose, Glyoxal and Methylglyoxal on Human Sperm. <i>Scientific Reports</i> , 2018, 8, 9002.  | 3.3  | 33        |
| 31 | Reply I: Embryo culture media effects. <i>Human Reproduction</i> , 2017, 32, 719.   | 0.9  | 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.   | 2.8  | 55        |
| 34 | HighÂquality clinicalÂgrade human embryonic stem cell lines derived from fresh discarded embryos. <i>Stem Cell Research and Therapy</i> , 2017, 8, 128.   | 5.5  | 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.  | 1.7  | 0         |
| 36 | No common denominator: a review of outcome measures in IVF RCTs. <i>Human Reproduction</i> , 2016, 31, 2714-2722.   | 0.9  | 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.   | 2.0  | 66        |
| 38 | Time to take human embryo culture seriously: Table I. <i>Human Reproduction</i> , 2016, 31, 2174-2182.  | 0.9  | 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.          | 2.4  | 7         |
| 40 | The Molecular Karyotype of 25 Clinical-Grade Human Embryonic Stem Cell Lines. <i>Scientific Reports</i> , 2015, 5, 17258.   | 3.3  | 54        |
| 41 | Elective Single Embryo Transfer: an update to UK Best Practice Guidelines. <i>Human Fertility</i> , 2015, 18, 165-183.  | 1.7  | 62        |
| 42 | ACE consensus meeting report: Culture systems. <i>Human Fertility</i> , 2014, 17, 239-251.  | 1.7  | 20        |
| 43 | Metabolic heterogeneity during preimplantation development: the missing link?. <i>Human Reproduction Update</i> , 2014, 20, 632-640.  | 10.8 | 35        |
| 44 | How should we assess the safety of IVF technologies?. <i>Reproductive BioMedicine Online</i> , 2013, 27, 710-721.   | 2.4  | 49        |
| 45 | Testing for hypersensitivity to seminal fluid-free spermatozoa. <i>Human Fertility</i> , 2013, 16, 128-131.   | 1.7  | 7         |
| 46 | Global Gene Expression Profiling of Individual Human Oocytes and Embryos Demonstrates Heterogeneity in Early Development. <i>PLoS ONE</i> , 2013, 8, e64192.                        | 2.5  | 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.          | 1.7  | 22        |
| 48 | Comparison of gene expression in fresh and frozen-thawed human preimplantation embryos. <i>Reproduction</i> , 2012, 144, 569-582.   | 2.6  | 45        |
| 49 | When and how should new technology be introduced into the IVF laboratory?. <i>Human Reproduction</i> , 2012, 27, 303-313.   | 0.9  | 146       |
| 50 | ACE consensus meeting report: oocyte and embryo cryopreservation Sheffield 17.05.11. <i>Human Fertility</i> , 2012, 15, 69-74.  | 1.7  | 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. | 1.7  | 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. | 17.5 | 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.  | 1.0  | 5         |

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|----|--|------|-----------|
| 55 | Prognostic factors influencing fresh and frozen IVF outcomes: an analysis of the UK national database. Reproductive BioMedicine Online, 2011, 22, 437-448.   | 2.4  | 9         |
| 56 | Human feeder cell line for derivation and culture of hESC/hiPSc. Stem Cell Research, 2011, 7, 154-162.   | 0.7  | 17        |
| 57 | Reducing the incidence of twins from IVF treatments: predictive modelling from a retrospective cohort. Human Reproduction, 2011, 26, 569-575.  | 0.9  | 33        |
| 58 | Derivation of Man-1 and Man-2 research grade human embryonic stem cell lines. In Vitro Cellular and Developmental Biology - Animal, 2010, 46, 386-394.   | 1.5  | 15        |
| 59 | Directed differentiation of human embryonic stem cells toward chondrocytes. Nature Biotechnology, 2010, 28, 1187-1194.   | 17.5 | 271       |
| 60 | Naturally Immortalised Mouse Embryonic Fibroblast Lines Support Human Embryonic Stem Cell Growth. Cloning and Stem Cells, 2009, 11, 453-462.   | 2.6  | 9         |
| 61 | Clinically failed eggs as a source of normal human embryo stem cells. Stem Cell Research, 2009, 2, 188-197.  | 0.7  | 27        |
| 62 | Assessing embryo viability by measurement of amino acid turnover. Reproductive BioMedicine Online, 2008, 17, 486-496.  | 2.4  | 83        |
| 63 | Working Party on Sperm Donation Services in the UK. Human Fertility, 2008, 11, 147-158.  | 1.7  | 21        |
| 64 | Modelling the impact of single embryo transfer in a national health service IVF programme. Human Reproduction, 2008, 24, 122-131.  | 0.9  | 27        |
| 65 | Metabolism of the viable mammalian embryo: quietness revisited. Molecular Human Reproduction, 2008, 14, 667-672.   | 2.8  | 228       |
| 66 | Predicting human embryo viability: the road to non-invasive analysis of the secretome using metabolic footprinting. Reproductive BioMedicine Online, 2007, 15, 296-302.                                    | 2.4  | 50        |
| 67 | The optimal length of "coasting protocol"™ in women at risk of ovarian hyperstimulation syndrome undergoing in vitro fertilization. Human Fertility, 2006, 9, 175-180.                                     | 1.7  | 45        |
| 68 | Cryopreserved-thawed embryo transfer in natural or down-regulated hormonally controlled cycles: a retrospective study. Fertility and Sterility, 2006, 85, 603-609.   | 1.0  | 99        |
| 69 | Ovarian response to gonadotropins after laparoscopic salpingectomy or the division of fallopian tubes for hydrosalpinges. Fertility and Sterility, 2006, 85, 1464-1468.                                    | 1.0  | 95        |
| 70 | Metabolomics: Current technologies and future trends. Proteomics, 2006, 6, 4716-4723.  | 2.2  | 471       |
| 71 | Challenges imposed by scientific development in ART. Human Fertility, 2005, 8, 93-96.  | 1.7  | 2         |
| 72 | Ultrastructural Preservation of Ovarian Cortical Tissue Cryopreserved in Dimethylsulfoxide for Subsequent Transplantation into Young Female Cancer Patients. Ultrastructural Pathology, 2004, 28, 239-245. | 0.9  | 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. Molecular Reproduction and Development, 2004, 68, 35-50. | 2.0 | 94        |
| 74 | Amplification of representative cDNA pools from single human oocytes and pronucleate embryos. Molecular Reproduction and Development, 2003, 65, 1-8.   | 2.0 | 16        |
| 75 | Transport of embryos resulting from intracytoplasmic sperm injection, but not oocytes, adversely affects implantation. Fertility and Sterility, 2003, 80, 1529-1531.                                       | 1.0 | 1         |
| 76 | Waiting for in vitro fertilization treatment: Spontaneous and ART live births. Human Fertility, 2003, 6, 116-121.  | 1.7 | 7         |
| 77 | Use eggs, not embryos, to derive stem cells. BMJ: British Medical Journal, 2003, 327, 872-a-872.   | 2.3 | 7         |
| 78 | Apoptosis in the preimplantation mouse embryo: Effect of strain difference and in vitro culture. Molecular Reproduction and Development, 2002, 61, 67-77.  | 2.0 | 87        |
| 79 | Overview: Are blastocysts better. Human Fertility, 2000, 3, 227-228.   | 1.7 | 0         |
| 80 | Apoptosis in mammalian preimplantation embryos: Regulation by survival factors. Human Fertility, 2000, 3, 36-47.   | 1.7 | 74        |
| 81 | Increased Incidence of Apoptosis in Transforming Growth Factor $\beta$ -Deficient Mouse Blastocysts <sup>1</sup> . Biology of Reproduction, 1998, 59, 136-144.   | 2.7 | 105       |
| 82 | Apoptosis during Mouse Blastocyst Formation: Evidence for a Role for Survival Factors Including Transforming Growth Factor $\beta$ <sup>1</sup> . Biology of Reproduction, 1997, 56, 1088-1096.            | 2.7 | 361       |
| 83 | The role of exogenous energy substrates in blastocoele fluid accumulation in the rat. Zygote, 1994, 2, 69-77.  | 1.1 | 20        |
| 84 | The Female Reproductive Tract and Early Embryo Development. , 0, , 99-108.   |     | 0         |