## Live birth derived from oocyte spindle transfer to preve

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Citation Report

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Inherited eye-related disorders due to mitochondrial dysfunction. Human Molecular Genetics, 2017, 26, R12-R20.   | 2.9  | 43        |
| 2  | Novel reproductive technologies to prevent mitochondrial disease. Human Reproduction Update, 2017, 23, 501-519.  | 10.8 | 59        |
| 3  | First birth following spindle transfer for mitochondrial replacement therapy: hope and trepidation.<br>Reproductive BioMedicine Online, 2017, 34, 333-336.                                     | 2.4  | 49        |
| 4  | Futuristic Look at Genetic and Birth Defect Diagnoses and Treatments. Clinical Obstetrics and Gynecology, 2017, 60, 867-877.   | 1.1  | 0         |
| 5  | Mitochondrial replacement techniques or therapies (MRTs) to improve embryo development and to prevent mitochondrial disease transmission. Journal of Genetics and Genomics, 2017, 44, 371-374. | 3.9  | 14        |
| 6  | Genetic affinity and the right to â€~three-parent IVF'. Journal of Assisted Reproduction and Genetics, 2017, 34, 1577-1580.  | 2.5  | 13        |
| 7  | Mitochondrial Replacement Techniques: Remaining Ethical Challenges. Cell Stem Cell, 2017, 21, 301-304.   | 11.1 | 13        |
| 8  | Oocyte spindle transfer for prevention of mitochodrial disease: the question of membrane fusion technique. Reproductive BioMedicine Online, 2017, 35, 432.                                     | 2.4  | 3         |
| 9  | Response: First birth following spindle transfer - should we stay or should we go?. Reproductive<br>BioMedicine Online, 2017, 35, 546-547.   | 2.4  | 3         |
| 10 | First birth following spindle transfer. Reproductive BioMedicine Online, 2017, 35, 542-543.  | 2.4  | 11        |
| 11 | Response from the Editors: First birth following spindle transfer. Reproductive BioMedicine Online, 2017, 35, 548.   | 2.4  | 2         |
| 12 | Response: First birth following spindle transfer. Reproductive BioMedicine Online, 2017, 35, 544-545.  | 2.4  | 4         |
| 13 | Purifying selection on mitochondrial DNA in maturing oocytes: implication for mitochondrial replacement therapy. Human Reproduction, 2017, 32, 1948-1950.                                      | 0.9  | 2         |
| 14 | Assisted reproductive technologies to prevent human mitochondrial disease transmission. Nature<br>Biotechnology, 2017, 35, 1059-1068.  | 17.5 | 87        |
| 15 | Understanding Mitochondrial Polymorphisms in Cancer. Cancer Research, 2017, 77, 6051-6059.   | 0.9  | 35        |
| 16 | Leber hereditary optic neuropathy. Current Opinion in Ophthalmology, 2017, 28, 403-409.  | 2.9  | 48        |
| 17 | Recent developments in genetics and medically-assisted reproduction: from research to clinical applicationsâ€â€¡. Human Reproduction Open, 2017, 2017, hox015.                                 | 5.4  | 11        |
| 18 | When replacement becomes reversion. Nature Biotechnology, 2017, 35, 1012-1015.   | 17.5 | 2         |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 20 | Article Commentary: Mitochondrial Replacement Techniques: Genetic Relatedness, Gender<br>Implications, and Justice. , 2017, 1, 1-6.   | 0.8  | 3         |
| 21 | Genetic details of controversial 'three-parent baby' revealed. Nature, 2017, 544, 17-18.  | 27.8 | 36        |
| 22 | Experience from the First Live-Birth Derived From Oocyte Nuclear Transfer as a Treatment Strategy for<br>Mitochondrial Diseases. Journal of Molecular and Genetic Medicine: an International Journal of<br>Biomedical Research, 2017, 11, . | 0.1  | 1         |
| 23 | The current landscape for the treatment of mitochondrial disorders. Journal of Genetics and Genomics, 2018, 45, 71-77.  | 3.9  | 7         |
| 24 | Chief editor's 2017 annual report. Reproductive BioMedicine Online, 2018, 36, 245-249.  | 2.4  | 2         |
| 25 | Mitochondrial manipulation in fertility clinics: Regulation and responsibility. Reproductive<br>Biomedicine and Society Online, 2018, 5, 93-109.  | 1.8  | 29        |
| 26 | Mitochondrial DNA selection in human germ cells. Nature Cell Biology, 2018, 20, 118-120.  | 10.3 | 6         |
| 27 | Responsible innovation in human germline gene editing: Background document to the<br>recommendations of ESHG and ESHRE. European Journal of Human Genetics, 2018, 26, 450-470.  | 2.8  | 39        |
| 28 | Scientific and Ethical Issues in Mitochondrial Donation. New Bioethics, 2018, 24, 57-73.  | 1.1  | 25        |
| 29 | Preventing Mitochondrial Diseases: Embryo-Sparing Donor-Independent Options. Trends in Molecular<br>Medicine, 2018, 24, 449-457.  | 6.7  | 18        |
| 30 | Germline Modification and Policymaking: The Relationship between Mitochondrial Replacement and<br>Gene Editing. New Bioethics, 2018, 24, 74-94.   | 1.1  | 6         |
| 31 | The role of mitochondrial activity in female fertility and assisted reproductive technologies:<br>overview and current insights. Reproductive BioMedicine Online, 2018, 36, 686-697.  | 2.4  | 75        |
| 32 | Maqasid al-Shariah as a Complementary Framework for Conventional Bioethics: Application in<br>Malaysian Assisted Reproductive Technology (ART) Fatwa. Science and Engineering Ethics, 2018, 24,<br>1493-1502.                               | 2.9  | 3         |
| 33 | Management of Leigh syndrome: Current status and new insights. Clinical Genetics, 2018, 93, 1131-1140.  | 2.0  | 18        |
| 34 | Recent developments in genetics and medically assisted reproduction: from research to clinical applications. European Journal of Human Genetics, 2018, 26, 12-33.   | 2.8  | 76        |
| 35 | Responsible innovation in human germline gene editing. Background document to the<br>recommendations of ESHG and ESHREâ€â€¡. Human Reproduction Open, 2018, 2018, hox024.   | 5.4  | 9         |
| 36 | In Vitro Fertilization. , 2018, , .   |      | 0         |
| 38 | Biparental Inheritance of Mitochondrial DNA in Humans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13039-13044.   | 7.1  | 349       |

|    | CITATION   | n Report |           |
|----|--|----------|-----------|
| #  | Article  | IF       | CITATIONS |
| 40 | Presuming the Promotion of the Common Good by Large-Scale Health Research. , 0, , 155-182.   |          | 1         |
| 41 | Detection of Innate and Artificial Mitochondrial DNA Heteroplasmy by Massively Parallel Sequencing:<br>Considerations for Analysis. Journal of Korean Medical Science, 2018, 33, e337. | 2.5      | 5         |
| 42 | Stem Cell-Derived Gametes and Uterus Transplants. , 0, , 37-51.  |          | 0         |
| 43 | Mexico and mitochondrial replacement techniques: what a mess. British Medical Bulletin, 2018, 128,<br>97-107.  | 6.9      | 4         |
| 44 | Towards a therapy for mitochondrial disease: an update. Biochemical Society Transactions, 2018, 46, 1247-1261.   | 3.4      | 46        |
| 45 | Mitochondrial genetic medicine. Nature Genetics, 2018, 50, 1642-1649.  | 21.4     | 226       |
| 46 | Ethics of Mitochondrial Gene Replacement Therapy. , 2018, , 31-53.   |          | 2         |
| 47 | A systematic review and meta-analysis reveals pervasive effects of germline mitochondrial replacement on components of health. Human Reproduction Update, 2018, 24, 519-534.           | 10.8     | 42        |
| 48 | Advances in methods for reducing mitochondrial DNA disease by replacing or manipulating the mitochondrial genome. Essays in Biochemistry, 2018, 62, 455-465.                           | 4.7      | 35        |
| 49 | The 40th anniversary of human IVF: time to celebrate and time to reflect. Reproduction, 2018, 156, E1-E3.  | 2.6      | 2         |
| 50 | The need for donor consent in mitochondrial replacement. Journal of Medical Ethics, 2018, 44, 825-829.   | 1.8      | 4         |
| 52 | Narrating the First "Three-Parent Baby― The Initial Press Reactions From the United Kingdom, the<br>United States, and Mexico. Science Communication, 2018, 40, 419-441.               | 3.3      | 20        |
| 53 | Frankenstein and the Question of Children's Rights After Human Germline Genetic Modification. , 2018, , 9-24.  |          | 0         |
| 54 | In Vitro Production of (Farm) Animal Embryos. , 2018, , 269-304.   |          | 1         |
| 55 | Mitochondrial medicine in the omics era. Lancet, The, 2018, 391, 2560-2574.  | 13.7     | 197       |
| 56 | Mitochondrial replacement therapy. Current Opinion in Obstetrics and Gynecology, 2018, 30, 217-222.  | 2.0      | 2         |
| 57 | Assisted Reproduction. , 2019, , 779-822.e16.  |          | 5         |
| 58 | Gamete and Embryo Manipulation. , 2019, , 823-856.e14.   |          | 2         |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 59 | Gas6 is a reciprocal regulator of mitophagy during mammalian oocyte maturation. Scientific Reports, 2019, 9, 10343.   | 3.3 | 11        |
| 60 | Overgrowth of mice generated from postovulatoryâ€aged oocyte spindles. FASEB BioAdvances, 2019, 1,<br>393-403.  | 2.4 | 5         |
| 61 | New Frontiers in IVF: mtDNA and autologous germline mitochondrial energy transfer. Reproductive<br>Biology and Endocrinology, 2019, 17, 55.   | 3.3 | 33        |
| 62 | Estimating Demand for Germline Genome Editing: An <i>In Vitro</i> Fertilization Clinic Perspective.<br>CRISPR Journal, 2019, 2, 304-315.  | 2.9 | 13        |
| 63 | Comparative analysis of different nuclear transfer techniques to prevent the transmission of mitochondrial DNA variants. Molecular Human Reproduction, 2019, 25, 797-810.                       | 2.8 | 11        |
| 64 | Mitochondria in Health and in Sickness. Advances in Experimental Medicine and Biology, 2019, , .  | 1.6 | 6         |
| 65 | Easing US restrictions on mitochondrial replacement therapy would protect research interests but grease the slippery slope. Journal of Assisted Reproduction and Genetics, 2019, 36, 1781-1785. | 2.5 | 4         |
| 66 | Should Long-Term Follow-up Post-Mitochondrial Replacement be Left up to Physicians, Parents, or Offspring?. New Bioethics, 2019, 25, 318-331.   | 1.1 | 7         |
| 67 | Human <i>in vitro</i> fertilisation and developmental biology: a mutually influential history.<br>Development (Cambridge), 2019, 146, .   | 2.5 | 18        |
| 68 | Mitochondria and reproduction: possibilities for testing and treatment. Panminerva Medica, 2019, 61, 82-96.   | 0.8 | 9         |
| 69 | Are we ready for genome editing in human embryos for clinical purposes?. European Journal of<br>Medical Genetics, 2019, 62, 103682.   | 1.3 | 10        |
| 71 | Reproductive Options for Women with Mitochondrial Disease. , 2019, , 371-382.   |     | 4         |
| 72 | A short history of in vitro fertilization (IVF). International Journal of Developmental Biology, 2019, 63,<br>83-92.  | 0.6 | 17        |
| 73 | Mitochondrial DNA: Structure, Genetics, Replication and Defects. , 2019, , 127-152.   |     | 0         |
| 74 | Mitochondrial Medicine: A Historical Point of View. , 2019, , 1-18.   |     | 0         |
| 75 | Mitochondrial replacement therapy. , 2019, , 177-184.   |     | 1         |
| 76 | Exercise and the Mitochondria. , 2019, , 23-48.   |     | 0         |
| 77 | Preimplantation Genetic Testing. , 2019, , 161-173.   |     | Ο         |

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 78 | Current Controversies in Prenatal Diagnosis 3: Gene editing should replace embryo selection following PGD. Prenatal Diagnosis, 2019, 39, 344-350.  | 2.3  | 8         |
| 79 | Leber Hereditary Optic Neuropathy—Light at the End of the Tunnel?. Asia-Pacific Journal of<br>Ophthalmology, 2019, 7, 242-245.   | 2.5  | 18        |
| 81 | Mitochondria as a tool for oocyte rejuvenation. Fertility and Sterility, 2019, 111, 219-226.   | 1.0  | 88        |
| 82 | Treatment strategies for Leber hereditary optic neuropathy. Current Opinion in Neurology, 2019, 32, 99-104.  | 3.6  | 27        |
| 83 | Transmission of Dysfunctional Mitochondrial DNA and Its Implications for Mammalian Reproduction.<br>Advances in Anatomy, Embryology and Cell Biology, 2019, 231, 75-103.                       | 1.6  | 11        |
| 84 | Overcoming bioethical, legal, and hereditary barriers to mitochondrial replacement therapy in the USA. Journal of Assisted Reproduction and Genetics, 2019, 36, 383-393.                       | 2.5  | 22        |
| 85 | Treatment of Leber Hereditary Optic Neuropathy. , 2019, , 201-207.   |      | 0         |
| 86 | Mitochondrial Biology and Medicine. , 2019, , 267-322.   |      | 2         |
| 87 | Tri-parent Baby Technology and Preservation of Lineage: An Analysis from the Perspective of Maqasid<br>al-Shari'ah Based Islamic Bioethics. Science and Engineering Ethics, 2019, 25, 129-142. | 2.9  | 3         |
| 88 | Mitochondria and Their Role in Human Reproduction. DNA and Cell Biology, 2020, 39, 1370-1378.  | 1.9  | 14        |
| 89 | Regulating Preimplantation Genetic Testing across the World: A Comparison of International Policy and Ethical Perspectives. Cold Spring Harbor Perspectives in Medicine, 2020, 10, a036681.    | 6.2  | 23        |
| 90 | Mitochondria in Ovarian Aging and Reproductive Longevity. Ageing Research Reviews, 2020, 63, 101168.   | 10.9 | 83        |
| 91 | Leber hereditary optic neuropathy—new insights and old challenges. Graefe's Archive for Clinical and<br>Experimental Ophthalmology, 2021, 259, 2461-2472.                                      | 1.9  | 24        |
| 92 | Therapeutic Approaches to Treat Mitochondrial Diseases: "One-Size-Fits-All―and "Precision Medicine―<br>Strategies. Pharmaceutics, 2020, 12, 1083.  | 4.5  | 44        |
| 93 | Revising, Correcting, and Transferring Genes. American Journal of Bioethics, 2020, 20, 7-18.   | 0.9  | 23        |
| 94 | Novel Approaches in Addressing Ovarian Insufficiency in 2019: Are We There Yet?. Cell Transplantation, 2020, 29, 096368972092615.  | 2.5  | 15        |
| 95 | Mitochondrial disorders due to mutations in the mitochondrial genome. , 2020, , 401-413.   |      | 0         |
| 96 | Improvement of early developmental competence of postovulatoryâ€aged oocytes using metaphase II<br>spindle injection in mice. Reproductive Medicine and Biology, 2020, 19, 357-364.            | 2.4  | 6         |

| #   | Article  | IF   | Citations |
|-----|--|------|-----------|
| 97  | Disruptive Synergy: Melding of Human Genetics and Clinical Assisted Reproduction. Cell Reports Medicine, 2020, 1, 100093.  | 6.5  | 4         |
| 98  | Extraordinary claims require extraordinary evidence in asserted mtDNA biparental inheritance.<br>Forensic Science International: Genetics, 2020, 47, 102274.                                     | 3.1  | 23        |
| 99  | Mitochondrial genetics. , 2020, , 143-157.   |      | 72        |
| 100 | Future technologies for preimplantation genetic applications. , 2020, , 255-269.   |      | 0         |
| 101 | Estrategias de mejora de la fertilidad: preservación, rejuvenecimiento y células madre. Medicina<br>Reproductiva Y EmbriologÃa ClÃnica, 2020, 7, 33-49.  | 0.1  | 0         |
| 102 | The Regulation of Human Germline Genome Modification in Mexico. , 2020, , 129-152.   |      | 0         |
| 103 | Inheritance of mitochondrial DNA in humans: implications for rare and common diseases. Journal of<br>Internal Medicine, 2020, 287, 634-644.  | 6.0  | 46        |
| 104 | Listening to mother: Longâ€ŧerm maternal effects in mammalian development. Molecular Reproduction and Development, 2020, 87, 399-408.  | 2.0  | 16        |
| 105 | Bioenergetics Consequences of Mitochondrial Transplantation in Cardiomyocytes. Journal of the American Heart Association, 2020, 9, e014501.  | 3.7  | 64        |
| 106 | Between innovation and precaution: how did offspring safety considerations play a role in strategies of introducing new reproductive techniques?. Human Reproduction Open, 2020, 2020, hoaa003.  | 5.4  | 6         |
| 107 | Mitochondrial Diseases: Hope for the Future. Cell, 2020, 181, 168-188.   | 28.9 | 243       |
| 108 | Willing mothers: ectogenesis and the role of gestational motherhood. Journal of Medical Ethics, 2020, 46, 320-327.   | 1.8  | 4         |
| 109 | Germline nuclear transfer in mice may rescue poor embryo development associated with advanced maternal age and early embryo arrest. Human Reproduction, 2020, 35, 1562-1577.                     | 0.9  | 17        |
| 110 | Clinical Therapeutic Management of Human Mitochondrial Disorders. Pediatric Neurology, 2020, 113,<br>66-74.  | 2.1  | 6         |
| 111 | Genome transfer for the prevention of female infertility caused by maternal gene mutation. Journal of<br>Genetics and Genomics, 2020, 47, 311-319.   | 3.9  | 9         |
| 112 | Pathogenic Mitochondria DNA Mutations: Current Detection Tools and Interventions. Genes, 2020, 11, 192.  | 2.4  | 34        |
| 113 | The special considerations of gene therapy for mitochondrial diseases. Npj Genomic Medicine, 2020, 5,<br>7.  | 3.8  | 35        |
| 114 | Step-wise elimination of α-mitochondrial nucleoids and mitochondrial structure as a basis for the strict uniparental inheritance in Cryptococcus neoformans. Scientific Reports, 2020, 10, 2468. | 3.3  | 9         |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 115 | The Regulation of Mitochondrial Replacement Techniques Around the World. Annual Review of<br>Genomics and Human Genetics, 2020, 21, 565-586.  | 6.2  | 28        |
| 116 | â€~Genes versus children': if the goal is parenthood, are we using the optimal approach?. Human<br>Reproduction, 2020, 35, 5-11.  | 0.9  | 10        |
| 117 | Molecular basis of Leigh syndrome: a current look. Orphanet Journal of Rare Diseases, 2020, 15, 31.   | 2.7  | 62        |
| 118 | Can reproductive genetic manipulation save lives?. Medicine, Health Care and Philosophy, 2020, 23, 381-386.   | 1.8  | 7         |
| 119 | Pathophysiology of Conversion to Symptomatic Leber Hereditary Optic Neuropathy and Therapeutic<br>Implications: a Review. Current Neurology and Neuroscience Reports, 2020, 20, 11. | 4.2  | 11        |
| 120 | Therapeutic Options in Hereditary Optic Neuropathies. Drugs, 2021, 81, 57-86.   | 10.9 | 44        |
| 121 | Mitochondrial replacement by genome transfer in human oocytes: Efficacy, concerns, and legality.<br>Reproductive Medicine and Biology, 2021, 20, 53-61.                             | 2.4  | 11        |
| 122 | A retrospective study on the efficacy of prenatal diagnosis for pregnancies at risk of mitochondrial DNA disorders. Genetics in Medicine, 2021, 23, 720-731.                        | 2.4  | 5         |
| 123 | Germline transmission of donor, maternal and paternal mtDNA in primates. Human Reproduction, 2021, 36, 493-505.   | 0.9  | 22        |
| 124 | Current progress with mammalian models of mitochondrial <scp>DNA</scp> disease. Journal of<br>Inherited Metabolic Disease, 2021, 44, 325-342.                                       | 3.6  | 19        |
| 125 | Mitochondria and Diseases. , 2021, , 139-156.   |      | 0         |
| 126 | Therapies Approaches in Mitochondrial Diseases. , 2021, , 273-305.  |      | 0         |
| 127 | Mitochondrial replacement therapy: Genetic counselors' experiences, knowledge, and opinions.<br>Journal of Genetic Counseling, 2021, 30, 828-837.                                   | 1.6  | 2         |
| 128 | Natural and Artificial Mechanisms of Mitochondrial Genome Elimination. Life, 2021, 11, 76.  | 2.4  | 4         |
| 130 | Mitochondrial DNA Replacement Techniques to Prevent Human Mitochondrial Diseases. International<br>Journal of Molecular Sciences, 2021, 22, 551.                                    | 4.1  | 11        |
| 131 | Mitochondrial enrichment in infertile patients: a review of different mitochondrial replacement therapies. Therapeutic Advances in Reproductive Health, 2021, 15, 263349412110235.  | 2.1  | 9         |
| 132 | Is three-parent IVF the answer to preventing mitochondrial defects?. Biomedical Research Journal, 2021, 8, 9.   | 0.5  | 0         |
| 133 | Ovarian Aging: Molecular Mechanisms and Medical Management. International Journal of Molecular<br>Sciences, 2021, 22, 1371.   | 4.1  | 37        |

| #   | Article   | IF   | CITATIONS |
|-----|---|------|-----------|
| 134 | Prospects of Germline Nuclear Transfer in Women With Diminished Ovarian Reserve. Frontiers in Endocrinology, 2021, 12, 635370.  | 3.5  | 14        |
| 136 | Mitochondrial Hepatopathies. , 2021, , 628-652.   |      | 0         |
| 137 | Current and Emerging Clinical Treatment in Mitochondrial Disease. Molecular Diagnosis and Therapy, 2021, 25, 181-206.   | 3.8  | 36        |
| 138 | Mitochondria: emerging therapeutic strategies for oocyte rescue. Reproductive Sciences, 2022, 29, 711-722.  | 2.5  | 18        |
| 139 | Heritable human genome editing: Research progress, ethical considerations, and hurdles to clinical practice. Cell, 2021, 184, 1561-1574.  | 28.9 | 19        |
| 140 | Maternal spindle transfer for mitochondrial disease: lessons to be learnt before extending the method to other conditions?. Human Fertility, 2022, 25, 838-847.                           | 1.7  | 4         |
| 141 | Twenty-five years after Dolly $\hat{a} \in$ How far have we come?. Reproduction, 2021, 162, F1-F10.   | 2.6  | 3         |
| 142 | Redesigning Humanity. , 2021, , 264-286.  |      | 0         |
| 143 | Leber Hereditary Optic Neuropathy: Review of Treatment and Management. Frontiers in Neurology, 2021, 12, 651639.  | 2.4  | 31        |
| 144 | Potential roles of experimental reproductive technologies in infertile women with diminished ovarian reserve. Journal of Assisted Reproduction and Genetics, 2021, 38, 2507-2517.         | 2.5  | 9         |
| 145 | Assignment of responsibility for creating persons using germline genome-editing. Gene and Genome<br>Editing, 2021, 1, 100006.   | 2.6  | 0         |
| 146 | Mitochondrial function in development and disease. DMM Disease Models and Mechanisms, 2021, 14, .   | 2.4  | 48        |
| 147 | The Present and Future of Mitochondrial-Based Therapeutics for Eye Disease. Translational Vision<br>Science and Technology, 2021, 10, 4.  | 2.2  | 7         |
| 148 | Electrofusion Stimulation Is an Independent Factor of Chromosome Abnormality in Mice Oocytes<br>Reconstructed via Spindle Transfer. Frontiers in Endocrinology, 2021, 12, 705837.         | 3.5  | 4         |
| 149 | Leigh Syndrome: A Tale of Two Genomes. Frontiers in Physiology, 2021, 12, 693734.   | 2.8  | 43        |
| 150 | Exploration of the Cytoplasmic Function of Abnormally Fertilized Embryos via Novel<br>Pronuclear-Stage Cytoplasmic Transfer. International Journal of Molecular Sciences, 2021, 22, 8765. | 4.1  | 1         |
| 151 | Mitochondrial disease: Replace or edit?. Science, 2021, 373, 1200-1201.   | 12.6 | 9         |
| 152 | Mother's curse on conservation: assessing the role of mtDNA in sexâ€specific survival differences in<br>exâ€situ breeding programs. Animal Conservation, 2022, 25, 342-351.               | 2.9  | 1         |

|     | CITATION R  | CITATION REPORT |           |
|-----|---|-----------------|-----------|
| #   | Article   | IF              | CITATIONS |
| 153 | Mitochondria: Their relevance during oocyte ageing. Ageing Research Reviews, 2021, 70, 101378.  | 10.9            | 80        |
| 154 | Treatment and Management of Hereditary Metabolic Myopathies. , 2022, , 572-594.   |                 | 0         |
| 156 | Advances Towards Therapeutic Approaches for mtDNA Disease. Advances in Experimental Medicine and Biology, 2019, 1158, 217-246.  | 1.6             | 5         |
| 157 | The Molecularised Me. , 0, , 245-260.   |                 | 3         |
| 159 | Mitochondria in early development: linking the microenvironment, metabolism and the epigenome.<br>Reproduction, 2019, 157, R159-R179.   | 2.6             | 97        |
| 160 | Circumvention Medical Tourism and Cutting Edge Medicine: The Case of Mitochondrial Replacement<br>Therapy. Indiana Journal of Global Legal Studies, 2018, 25, 439.  | 0.2             | 7         |
| 161 | Stem cells and reproduction. BMB Reports, 2019, 52, 482-489.  | 2.4             | 6         |
| 162 | Three-parent babies: Mitochondrial replacement therapies. Jornal Brasileiro De Reproducao Assistida,<br>2020, 24, 189-196.  | 0.7             | 11        |
| 163 | Maternal spindle transfer overcomes embryo developmental arrest caused by ooplasmic defects in mice. ELife, 2020, 9, .  | 6.0             | 23        |
| 164 | Human Reproduction in the Twenty-First Century. Journal of Posthuman Studies: Philosophy,<br>Technology, Media, 2017, 1, 205.   | 0.3             | 1         |
| 165 | Personalised Medicine, Individual Choice and the Common Good. , 2018, , .   |                 | 3         |
| 166 | Human mitochondrial genome surgery. Genes and Cells, 2018, 13, 32-37.   | 0.2             | 0         |
| 167 | Human zygote reconstruction by spindle, polar body or pronuclear transfer to treat repeated embryo<br>fragmentation or embryo developmental arrest: The future is now. Journal of Gynecological Research<br>and Obstetrics, 0, , 049-051. | 0.3             | 0         |
| 169 | A National Portrait. , 2020, , 1-33.  |                 | 0         |
| 170 | Genetik menschlicher Erkrankungen. , 2020, , 725-812.   |                 | 0         |
| 171 | MITOCHONDRIAL REPLACEMENT THERAPY: FUTURE OR PRESENT?. Reproduktivnaâ Medicina, 2020, , 7-12.   | 0.1             | 2         |
| 173 | Mitochondrial donation: is Australia ready?. Medical Journal of Australia, 2022, 216, 118-121.  | 1.7             | 3         |
| 174 | Current progress in the therapeutic options for mitochondrial disorders Physiological Research, 2020, 69, 967-994.  | 0.9             | 3         |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 175 | Diagnostische Verfahren. , 2020, , 551-631.  |      | 0         |
| 177 | Combating the Trade in Organs. , 0, , 77-112.  |      | 1         |
| 178 | The need for regulation in the practice of human assisted reproduction in Mexico. An overview of the regulations in the rest of the world. Reproductive Health, 2021, 18, 241. | 3.1  | 2         |
| 179 | Germline Nuclear Transfer Technology to Overcome Mitochondrial Diseases and Female Infertility. , 2021, , 141-147.   |      | Ο         |
| 181 | Effects of intracytoplasmic sperm injection timing and fertilization methods on the development of bovine spindle transferred embryos. Theriogenology, 2022, 180, 63-71.       | 2.1  | 4         |
| 182 | Human germline nuclear transfer to overcome mitochondrial disease and failed fertilization after ICSI. Journal of Assisted Reproduction and Genetics, 2022, 39, 609-618.       | 2.5  | 11        |
| 183 | Therapeutic options for premature ovarian insufficiency: an updated review. Reproductive Biology and<br>Endocrinology, 2022, 20, 28.   | 3.3  | 25        |
| 184 | Enucleated oocyte donation: first for infertility treatment, then for mitochondrial diseases. Journal of Assisted Reproduction and Genetics, 2022, 39, 605-608.                | 2.5  | 6         |
| 185 | Horizontal mtDNA transfer between cells is common during mouse development. IScience, 2022, 25, 103901.  | 4.1  | 7         |
| 186 | The history of assisted reproductive technologies: from prohibition to recognition. History of Science and Technology, 2021, 11, 315-328.                                      | 0.4  | 1         |
| 187 | Ethics in fertility and pregnancy management. , 2022, , 479-492.   |      | 0         |
| 188 | Artificial Oocyte: Development and Potential Application. Cells, 2022, 11, 1135.   | 4.1  | 3         |
| 189 | When is the right time to stop autologous inÂvitro fertilization treatment in poor responders?.<br>Fertility and Sterility, 2022, 117, 682-687.                                | 1.0  | 2         |
| 190 | The benefits, risks and alternatives of mitochondrial replacement therapy – bringing proportionality into public policy debate. Clinical Ethics, 2022, 17, 368-376.            | 0.7  | 1         |
| 191 | Reduction of mtDNA heteroplasmy in mitochondrial replacement therapy by inducing forced mitophagy. Nature Biomedical Engineering, 2022, 6, 339-350.                            | 22.5 | 25        |
| 192 | Altmetric and bibliometric analysis of influential articles in reproductive biology, 1980–2019.<br>Reproductive BioMedicine Online, 2022, 45, 384-390.                         | 2.4  | 3         |
| 193 | Hereditary Optic Neuropathies. , 2022, , 4575-4607.  |      | 0         |
| 194 | Ultrastructural Evaluation of the Human Oocyte at the Germinal Vesicle Stage during the Application of Assisted Reproductive Technologies. Cells, 2022, 11, 1636.              | 4.1  | 4         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 195 | State of the art of nuclear transfer technologies for assisting mammalian reproduction. Molecular Reproduction and Development, 2022, 89, 230-242.   | 2.0 | 6         |
| 196 | Cytoplasmic streaming induced by intracytoplasmic spindle translocation contributes to<br>developmental competence through mitochondrial distribution in mouse oocytes. F&S Science, 2022, , . | 0.9 | 0         |
| 199 | Role of Mitochondria Transfer in Infertility: A Commentary. Cells, 2022, 11, 1867.   | 4.1 | 7         |
| 200 | A synopsis of the 2021 International Society of Fertility Preservation bi-annual meeting. Journal of Assisted Reproduction and Genetics, 0, , .  | 2.5 | 0         |
| 201 | Noninvasive autologous mitochondria transport improves the quality and developmental potential of oocytes from aged mice. F&S Science, 2022, , .   | 0.9 | 1         |
| 202 | An Interplay between Epigenetics and Translation in Oocyte Maturation and Embryo Development:<br>Assisted Reproduction Perspective. Biomedicines, 2022, 10, 1689.                              | 3.2 | 6         |
| 203 | Single-cell multiomics analyses of spindle-transferred human embryos suggest a mostly normal embryonic development. PLoS Biology, 2022, 20, e3001741.  | 5.6 | 9         |
| 204 | History of Natural Cycle and Minimal Stimulation IVF. , 2022, , 15-28.   |     | 0         |
| 205 | United States—Mini IVF®. , 2022, , 259-260.  |     | 0         |
| 206 | Reprogenetic Technologies and the Valuing of the Biogenetic Family. Muslim World, The, 2022, 112, 353-366.   | 0.3 | 1         |
| 207 | The Therapeutic Potential of Mitochondria Transplantation Therapy in Neurodegenerative and Neurovascular Disorders. Current Neuropharmacology, 2023, 21, 1100-1116.                            | 2.9 | 5         |
| 208 | Mitochondrial donation is now possible: science must now ensure that it is safe. Internal Medicine<br>Journal, 2022, 52, 1663-1665.  | 0.8 | 1         |
| 209 | Mitochondrial aggregation caused by cytochalasin B compromises the efficiency and safety of three-parent embryo. Molecular Human Reproduction, 2022, 28, .                                     | 2.8 | 1         |
| 210 | From Sex for Reproduction to Reproduction without Sex. , 2022, , 1-7.  |     | 0         |
| 211 | Is the "E―being removed from Reproductive Endocrinology to be replaced by a "G―for Genetics?.<br>Fertility and Sterility, 2022, 118, 1036-1043.  | 1.0 | 0         |
| 212 | The mitochondrial challenge: Disorders and prevention strategies. BioSystems, 2023, 223, 104819.   | 2.0 | 1         |
| 213 | Ovarian aging: mechanisms and intervention strategies. Medical Review, 2023, 2, 590-610.   | 1.2 | 5         |
| 214 | Investigating the Impact of a Curse: Diseases, Population Isolation, Evolution and the Mother's Curse.<br>Genes, 2022, 13, 2151.   | 2.4 | 3         |

|     | CITATION   | REPORT |           |
|-----|--|--------|-----------|
| #   | ARTICLE  | IF     | CITATIONS |
| 216 | Cloning in action: can embryo splitting, induced pluripotency and somatic cell nuclear transfer contribute to endangered species conservation?. Biological Reviews, 2023, 98, 1225-1249.                   | 10.4   | 1         |
| 218 | My Genome, My Right. , 0, , 183-199.   |        | 0         |
| 219 | Personalised Medicine and the Politics of Human Nuclear Genome Transfer. , 0, , 17-36.   |        | 0         |
| 222 | I Run, You Run, We Run. , 0, , 226-244.  |        | 0         |
| 223 | Personalising Future Health Risk through â€~Biological Insurance'. , 0, , 52-76.   |        | 0         |
| 224 | †The Best Me I Can Possibly Be'. , 0, , 200-225.   |        | 0         |
| 225 | When There Is No Cure. , 0, , 113-132.   |        | 0         |
| 226 | Inter and intracellular mitochondrial transfer: Future of mitochondrial transplant therapy in<br>Parkinson's disease. Biomedicine and Pharmacotherapy, 2023, 159, 114268.                                  | 5.6    | 15        |
| 227 | Mitochondrial Transfer into Human Oocytes Improved Embryo Quality and Clinical Outcomes in<br>Recurrent Pregnancy Failure Cases. International Journal of Molecular Sciences, 2023, 24, 2738.              | 4.1    | 11        |
| 228 | Reproductive options in mitochondrial disease. Handbook of Clinical Neurology / Edited By P J Vinken<br>and G W Bruyn, 2023, , 207-228.  | 1.8    | 3         |
| 229 | Genome transfer technique for bovine embryo production using the metaphase plate and polar body.<br>Journal of Assisted Reproduction and Genetics, 0, , .  | 2.5    | 0         |
| 230 | Modeling mitochondrial <scp>DNA</scp> diseases: from base editing to pluripotent stemâ€cellâ€derived organoids. EMBO Reports, 2023, 24, .  | 4.5    | 7         |
| 231 | Characterization of ovarian tissue oocytes from transgender men reveals poor calcium release and embryo development, which might be overcome by spindle transfer. Human Reproduction, 2023, 38, 1135-1150. | 0.9    | 4         |
| 232 | Mitochondrial Inheritance Following Nuclear Transfer: From Cloned Animals to Patients with<br>Mitochondrial Disease. Methods in Molecular Biology, 2023, , 83-104.   | 0.9    | 1         |
| 233 | On Current Change Trends in the Problematic Field of the Philosophy and Technology. Science Governance and Scientometrics, 2023, 18, 10-29.  | 0.2    | 0         |
| 234 | Genealogical obscurement: mitochondrial replacement techniques and genealogical research. Journal of Medical Ethics, 0, , jme-2022-108659.   | 1.8    | 0         |
| 235 | Mitochondria in Human Fertility and Infertility. International Journal of Molecular Sciences, 2023, 24,<br>8950.   | 4.1    | 3         |
| 236 | Exonic genetic variants associated with unexpected fertilization failure and zygotic arrest after ICSI: a systematic review. Zygote, 2023, 31, 316-341.  | 1.1    | 1         |

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|     |      |       |   |

| #   | Article   | IF  | CITATIONS |  |  |
|-----|---|-----|-----------|--|--|
| 237 | Therapeutic potential of engineering the mitochondrial genome. Biochimica Et Biophysica Acta -<br>Molecular Basis of Disease, 2023, 1869, 166804.   | 3.8 | 1         |  |  |
| 238 | Nuclear transfer improves the developmental potential of embryos derived from cytoplasmic deficient oocytes. IScience, 2023, 26, 107299.  | 4.1 | 0         |  |  |
| 239 | Mitochondrial Replacement Therapy: An Islamic Perspective. Journal of Bioethical Inquiry, 0, , .  | 1.5 | 1         |  |  |
| 240 | Novel economical, accurate, sensitive, single-cell analytical method for mitochondrial DNA<br>quantification in mtDNA mutation carriers. Journal of Assisted Reproduction and Genetics, 0, , .  | 2.5 | 0         |  |  |
| 241 | Prevention and Management of Ovarian Aging. , 2023, , 199-238.  |     | 0         |  |  |
| 242 | AMPK–FOXO–IP3R signaling pathway mediates neurological and developmental defects caused by<br>mitochondrial DNA mutations. Proceedings of the National Academy of Sciences of the United States<br>of America, 2023, 120, .                                     | 7.1 | 1         |  |  |
| 243 | Preembryo: Medical, Moral, and Legal Aspects. Donald School Journal of Ultrasound in Obstetrics and Gynecology, 2023, 17, 217-222.  | 0.3 | 0         |  |  |
| 244 | Ethics of mitochondrial gene replacement therapy. , 2023, , 33-57.  |     | 0         |  |  |
| 245 | In-vitro-Produktion von Nutztier-Embryonen. , 2023, , 303-341.  |     | 0         |  |  |
| 246 | Significant decrease of maternal mitochondria carryover using optimized spindle-chromosomal complex transfer. PLoS Biology, 2023, 21, e3002313.   | 5.6 | Ο         |  |  |
| 247 | Dissecting the roles of the nuclear and mitochondrial genomes in a mouse model of autoimmune diabetes. Diabetes, 0, , .   | 0.6 | 0         |  |  |
| 248 | Clinical Approaches for Mitochondrial Diseases. Cells, 2023, 12, 2494.  | 4.1 | 1         |  |  |
| 249 | 19 å^©ç"`辅助生殖技æœ⁻é~»æ–线ç²ä½"疾病å'生ä͵Žé⊷ä¼çš"å•行性探è®". Scientia Sinica Vi <b>taa</b> , 2023, .  |     |           |  |  |
| 250 | Sirtuin 3-mediated deacetylation of superoxide dismutase 2 ameliorates sodium fluoride-induced mitochondrial dysfunction in porcine oocytes. Science of the Total Environment, 2024, 908, 168306.   | 8.0 | 0         |  |  |
| 251 | Aggregated chromosomes/chromatin transfer: a novel approach for mitochondrial replacement with<br>minimal mitochondrial carryover: the implications of mouse experiments for human aggregated<br>chromosome transfer. Molecular Human Reproduction, 2023, 29, . | 2.8 | 0         |  |  |
| 252 | Regulatory and governance gaps for human genome editing in Mexico. Trends in Biotechnology, 2023, ,   | 9.3 | 0         |  |  |
| 253 | Pronuclear transfer rescues poor embryo development of <i>in vitro</i> -grown secondary mouse follicles. Human Reproduction Open, 2024, 2024, .   | 5.4 | 0         |  |  |
| 254 | What importance do donors and recipients attribute to the nuclear DNA-related genetic heritage of oocyte donation?. Human Reproduction, 2024, 39, 770-778.  | 0.9 | Ο         |  |  |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 255 | Implications of Lawâ $\in$ <sup>IM</sup> s Response to Mitochondrial Donation. Laws, 2024, 13, 20. | 1.1 | 0         |