# Ans van Pelt

List of Publications by Year
in descending order



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|---|---|---|---|
| 87 papers | 4,889 citations | 101543 36 h-index | 95266 68 g-index |
| 89 all docs | 89 docs citations | 89 times ranked | 4142 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | In vitro spermatogenesis: Why meiotic checkpoints matter. Current Topics in Developmental Biology, 2023, , 345-369. | 2.2 | 3 |
| 2 | Histological study on the influence of puberty suppression and hormonal treatment on developing germ cells in transgender women. Human Reproduction, 2022, 37, 297-308. | 0.9 | 15 |
| 3 | Fathering aÂchild after childhood cancer treatments. Tijdschrift Voor Urologie, 2022, 12, 65-70. | 0.1 | 1 |
| 4 | Spermatogonial Stem Cell-Based Therapies: Taking Preclinical Research to the Next Level. Frontiers in Endocrinology, 2022, 13, 850219. | 3.5 | 7 |
| 5 | Communication and ethical considerations for fertility preservation for patients with childhood, adolescent, and young adult cancer: recommendations from the PanCareLIFE Consortium and the International Late Effects of Childhood Cancer Guideline Harmonization Group. Lancet Oncology, The, 2021, 22, e68-e80. | 10.7 | 37 |
| 6 | Fertility preservation for male patients with childhood, adolescent, and young adult cancer: recommendations from the PanCareLIFE Consortium and the International Late Effects of Childhood Cancer Guideline Harmonization Group. Lancet Oncology, The, 2021, 22, e57-e67. | 10.7 | 95 |
| 7 | Bi-allelic variants in DNA mismatch repair proteins MutS Homolog <i>MSH4</i> and <i>MSH5</i> cause infertility in both sexes. Human Reproduction, 2021, 37, 178-189. | 0.9 | 18 |
| 8 | Impact of restoring male fertility with transplantation of in vitro propagated spermatogonial stem cells on the health of their offspring throughout life. Clinical and Translational Medicine, 2021, 11, e531. | 4.0 | 7 |
| 9 | Meiotic Chromosome Synapsis and XY-Body Formation In Vitro. Frontiers in Endocrinology, 2021, 12, 761249. | 3.5 | 7 |
| 10 | InÂVitro Meiosis of Male Germline Stem Cells. Stem Cell Reports, 2020, 15, 1140-1153. | 4.8 | 18 |
| 11 | Tumors Widely Express Hundreds of Embryonic Germline Genes. Cancers, 2020, 12, 3812. | 3.7 | 12 |
| 12 | ITGA6+ Human Testicular Cell Populations Acquire a Mesenchymal Rather than Germ Cell Transcriptional Signature during Long-Term Culture. International Journal of Molecular Sciences, 2020, 21, 8269. | 4.1 | 4 |
| 13 | A comparative analysis of human adult testicular cells expressing stem Leydig cell markers in the interstitium, vasculature, and peritubular layer. Andrology, 2020, 8, 1265-1276. | 3.5 | 11 |
| 14 | Comparing genome-scale DNA methylation and CNV marks between adult human cultured ITGA6+ testicular cells and seminomas to assess in vitro genomic stability. PLoS ONE, 2020, 15, e0230253. | 2.5 | 9 |
| 15 | Development and Disease-Dependent Dynamics of Spermatogonial Subpopulations in Human Testicular Tissues. Journal of Clinical Medicine, 2020, 9, 224. | 2.4 | 11 |
| 16 | Comparison of DNA methylation patterns of parentally imprinted genes in placenta derived from IVF conceptions in two different culture media. Human Reproduction, 2020, 35, 516-528. | 0.9 | 11 |
| 17 | The initial maturation status of marmoset testicular tissues has an impact on germ cell maintenance and somatic cell response in tissue fragment culture. Molecular Human Reproduction, 2020, 26, 374-388. | 2.8 | 11 |
| 18 | Infertility-Causing Haploinsufficiency Reveals TRIM28/KAP1 Requirement in Spermatogonia. Stem Cell Reports, 2020, 14, 818-827. | 4.8 | 14 |

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|---|---|---|---|
| 19 | Strains matter: Success of murine in vitro spermatogenesis is dependent on genetic background. Developmental Biology, 2019, 456, 25-30. | 2.0 | 17 |
| 20 | Primary human testicular PDGFRÎ±+ cells are multipotent and can be differentiated into cells with Leydig cell characteristics in vitro. Human Reproduction, 2019, 34, 1621-1631. | 0.9 | 19 |
| 21 | Human Testis Phosphoproteome Reveals Kinases as Potential Targets in Spermatogenesis and Testicular Cancer. Molecular and Cellular Proteomics, 2019, 18, S132-S144. | 3.8 | 26 |
| 22 | Characterization and population dynamics of germ cells in adult macaque testicular cultures. PLoS ONE, 2019, 14, e0218194. | 2.5 | 8 |
| 23 | Assessment of fresh and cryopreserved testicular tissues from (pre)pubertal boys during organ culture as a strategy for in vitro spermatogenesis. Human Reproduction, 2019, 34, 2443-2455. | 0.9 | 41 |
| 24 | Simultaneous Purification of Round and Elongated Spermatids from Testis Tissue Using a FACSâ€Based DNA Ploidy Assay. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 309-313. | 1.5 | 4 |
| 25 | TorsinA Is Functionally Associated with Spermatogenesis. Microscopy and Microanalysis, 2019, 25, 221-228. | 0.4 | 4 |
| 26 | A practical blueprint to systematically study life-long health consequences of novel medically assisted reproductive treatments. Human Reproduction, 2018, 33, 784-792. | 0.9 | 11 |
| 27 | Long-term health in recipients of transplanted in vitro propagated spermatogonial stem cells. Human Reproduction, 2018, 33, 81-90. | 0.9 | 27 |
| 28 | What is the best protocol to cryopreserve immature mouse testicular cell suspensions?. Reproductive BioMedicine Online, 2018, 37, 6-17. | 2.4 | 9 |
| 29 | Distinct prophase arrest mechanisms in human male meiosis. Development (Cambridge), 2018, 145, . | 2.5 | 28 |
| 30 | Characterization of Human Mesenchymal Stem Cells Isolated from the Testis. Stem Cells International, 2018, 2018, 1-9. | 2.5 | 14 |
| 31 | The risk of TESE-induced hypogonadism: a systematic review and meta-analysis. Human Reproduction Update, 2018, 24, 442-454. | 10.8 | 52 |
| 32 | Decreased spermatogonial quantity in prepubertal boys with leukaemia treated with alkylating agents. Leukemia, 2017, 31, 1460-1463. | 7.2 | 58 |
| 33 | Doxorubicin and vincristine affect undifferentiated rat spermatogonia. Reproduction, 2017, 153, 725-735. | 2.6 | 22 |
| 34 | Development of the testis in pre-pubertal boys with cancer after biopsy for fertility preservation. Human Reproduction, 2017, 32, 2366-2372. | 0.9 | 38 |
| 35 | Unraveling transcriptome dynamics in human spermatogenesis. Development (Cambridge), 2017, 144, 3659-3673. | 2.5 | 117 |
| 36 | Emi2 Is Essential for Mouse Spermatogenesis. Cell Reports, 2017, 20, 697-708. | 6.4 | 45 |

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|---|---|---|---|
| 37 | Descriptive Analysis of LAP1 Distribution and That of Associated Proteins throughout Spermatogenesis. Membranes, 2017, 7, 22. | 3.0 | 14 |
| 38 | Establishing reference values for age-related spermatogonial quantity in prepubertal human testes: a systematic review and meta-analysis. Fertility and Sterility, 2016, 106, 1652-1657.e2. | 1.0 | 60 |
| 39 | Spermatogonial stem cell autotransplantation and germline genomic editing: a future cure for spermatogenic failure and prevention of transmission of genomic diseases. Human Reproduction Update, 2016, 22, 561-573. | 10.8 | 59 |
| 40 | Artificial gametes: a systematic review of biological progress towards clinical application. Human Reproduction Update, 2015, 21, 285-296. | 10.8 | 83 |
| 41 | Stem cells in reproductive medicine: ready for the patient?: Figure 1. Human Reproduction, 2015, 30, 2014-2021. | 0.9 | 58 |
| 42 | <i>AZFc</i>deletions do not affect the function of human spermatogonia<i>in vitro</i>. Molecular Human Reproduction, 2015, 21, 553-562. | 2.8 | 9 |
| 43 | Cryopreservation of testicular tissue before long-term testicular cell culture does not alter inÂvitro cell dynamics. Fertility and Sterility, 2015, 104, 1244-1252.e4. | 1.0 | 53 |
| 44 | Prenatal undernutrition and leukocyte telomere length in late adulthood: the Dutch famine birth cohort study. American Journal of Clinical Nutrition, 2015, 102, 655-660. | 4.7 | 23 |
| 45 | Spatial and temporal expression of immunoglobulin superfamily member 1 in the rat. Journal of Endocrinology, 2015, 226, 181-191. | 2.6 | 28 |
| 46 | A European perspective on testicular tissue cryopreservation for fertility preservation in prepubertal and adolescent boys. Human Reproduction, 2015, 30, 2463-2475. | 0.9 | 282 |
| 47 | Mesenchymal origin of multipotent human testis-derived stem cells in human testicular cell cultures. Molecular Human Reproduction, 2014, 20, 155-167. | 2.8 | 36 |
| 48 | Genetic and epigenetic stability of human spermatogonial stem cells during long-term culture. Fertility and Sterility, 2014, 102, 1700-1707.e1. | 1.0 | 50 |
| 49 | Transgenic overexpression of regucalcin leads to suppression of thapsigargin- and actinomycin D-induced apoptosis in the testis by modulation of apoptotic pathways. Andrology, 2014, 2, 290-298. | 3.5 | 13 |
| 50 | Eliminating acute lymphoblastic leukemia cells from human testicular cell cultures: a pilot study. Fertility and Sterility, 2014, 101, 1072-1078.e1. | 1.0 | 65 |
| 51 | Enrichment of spermatogonial stem cells from long-term cultured human testicular cells. Fertility and Sterility, 2014, 102, 558-565.e5. | 1.0 | 42 |
| 52 | Assuring safety without animal testing: The case for the human testis in vitro. Reproductive Toxicology, 2013, 39, 63-68. | 2.9 | 12 |
| 53 | Restoring Fertility in Sterile Childhood Cancer Survivors by Autotransplanting Spermatogonial Stem Cells: Are We There Yet?. BioMed Research International, 2013, 2013, 1-12. | 1.9 | 51 |
| 54 | Role for rodent Smc6 in pericentromeric heterochromatin domains during spermatogonial differentiation and meiosis. Cell Death and Disease, 2013, 4, e749-e749. | 6.3 | 40 |

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|---|---|---|---|
| 55 | Human testis-derived embryonic stem cell-like cells are not pluripotent, but possess potential of mesenchymal progenitors. Human Reproduction, 2012, 27, 210-221. | 0.9 | 50 |
| 56 | Studying nonobstructive azoospermia in cystinosis: histologicÂexamination of testes andÂepididymis and sperm analysis inÂa Ctnsâˆ’/âˆ’ mouse model. Fertility and Sterility, 2012, 98, 162-165. | 1.0 | 2 |
| 57 | Molecular control of rodent spermatogenesis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1838-1850. | 3.8 | 166 |
| 58 | Gene copy number reduction in the azoospermia factor c (AZFc) region and its effect on total motile sperm count. Human Molecular Genetics, 2011, 20, 2457-2463. | 2.9 | 54 |
| 59 | Correction: Spermatogonial stem cell sensitivity to capsaicin: An in vitro study. Reproductive Biology and Endocrinology, 2011, 9, 17. | 3.3 | 0 |
| 60 | In Vitro Propagation of Human Prepubertal Spermatogonial Stem Cells. JAMA - Journal of the American Medical Association, 2011, 305, 2416. | 7.4 | 196 |
| 61 | BMP4-Induced Differentiation of a Rat Spermatogonial Stem Cell Line Causes Changes in Its Cell Adhesion Properties1. Biology of Reproduction, 2010, 83, 742-749. | 2.7 | 56 |
| 62 | Embryonic stem cell-like cells derived from adult human testis. Human Reproduction, 2010, 25, 158-167. | 0.9 | 131 |
| 63 | Y chromosome TSPY copy numbers and semen quality. Fertility and Sterility, 2010, 94, 1744-1747. | 1.0 | 37 |
| 64 | A Distinct Expression Pattern in Mammalian Testes Indicates a Conserved Role for NANOG in Spermatogenesis. PLoS ONE, 2010, 5, e10987. | 2.5 | 34 |
| 65 | Proliferative Activity In Vitro and DNA Repair Indicate that Adult Mouse and Human Sertoli Cells Are Not Terminally Differentiated, Quiescent Cells1. Biology of Reproduction, 2009, 80, 1084-1091. | 2.7 | 92 |
| 66 | Propagation of Human Spermatogonial Stem Cells In Vitro. JAMA - Journal of the American Medical Association, 2009, 302, 2127. | 7.4 | 334 |
| 67 | Role for Adhesion Molecules in the Spermatogonial Stem Cell Niche. Cell Stem Cell, 2008, 3, 467-468. | 11.1 | 30 |
| 68 | Expression of the pluripotency marker UTF1 is restricted to a subpopulation of early A spermatogonia in rat testis. Reproduction, 2008, 136, 33-40. | 2.6 | 78 |
| 69 | <i>Stra8</i> and its inducer, retinoic acid, regulate meiotic initiation in both spermatogenesis and oogenesis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14976-14980. | 7.1 | 527 |
| 70 | Mutations in the testis-specific NALP14 gene in men suffering from spermatogenic failure. Human Reproduction, 2006, 21, 3178-3184. | 0.9 | 54 |
| 71 | <b>Spermatogonial Stem Cell Biology<b/>. Annual Review of Biomedical Sciences, 2006, 5, . | 0.5 | 0 |
| 72 | Spermatogonial stem cells: characteristics and experimental possibilities. Apmis, 2005, 113, 727-742. | 2.0 | 133 |

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|---|---|---|---|
| 73 | LY6A/E (SCA-1) Expression in the Mouse Testis. Biology of Reproduction, 2005, 73, 634-638. | 2.7 | 20 |
| 74 | Gain-of-function amino acid substitutions drive positive selection of FGFR2 mutations in human spermatogonia. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6051-6056. | 7.1 | 125 |
| 75 | Expression of the Scaffolding Subunit A of Protein Phosphatase 2A During Rat Testicular Development. Biology of Reproduction, 2003, 68, 1369-1375. | 2.7 | 8 |
| 76 | Spermatogonial stem cell transplantation. Molecular and Cellular Endocrinology, 2000, 169, 21-26. | 3.2 | 20 |
| 77 | Ontogeny of Estrogen Receptor-Â Expression in Rat Testis. Endocrinology, 1999, 140, 478-483. | 2.8 | 100 |
| 78 | Isolation and characterization of all-trans-retinoic acid-responsive genes in the rat testis. Molecular Reproduction and Development, 1998, 50, 1-6. | 2.0 | 31 |
| 79 | Differential Expression Pattern of Retinoid X Receptors in Adult Murine Testicular Cells Implies Varying Roles for these Receptors in Spermatogenesis1. Biology of Reproduction, 1998, 58, 1351-1356. | 2.7 | 39 |
| 80 | Effect of vitamin a supplementation for 3 days on iron metabolism, liver function indicator enzymes and differential cell counts in bone marrow of rats with severe vitamin a deficiency. Nutrition Research, 1996, 16, 1933-1941. | 2.9 | 1 |
| 81 | Isolation of the Synchronized A Spermatogonia from Adult Vitamin A-Deficient Rat Testes1. Biology of Reproduction, 1996, 55, 439-444. | 2.7 | 113 |
| 82 | Characteristics of a Spermatogonia and Preleptotene Spermatocytes in the Vitamin A-Deficient Rat Testis1. Biology of Reproduction, 1995, 53, 570-578. | 2.7 | 72 |
| 83 | Retinoic Acid Is Able to Reinitiate Spermatogenesis in Vitamin A-Deficient Rats and High Replicate Doses Support the Full Development of Spermatogenic Cells. Endocrinology, 1991, 128, 697-704. | 2.8 | 200 |
| 84 | A rapid immunogold-silver staining for detection of bromodeoxyuridine in large numbers of plastic sections, using microwave irradiation. The Histochemical Journal, 1990, 22, 321-326. | 0.6 | 18 |
| 85 | The Origin of the Synchronization of the Seminiferous Epithelium in Vitamin A-Deficient Rats after Vitamin A Replacement. Biology of Reproduction, 1990, 42, 677-682. | 2.7 | 121 |
| 86 | Synchronization of the Seminiferous Epithelium after Vitamin A Replacement in Vitamin A-Deficient Mice. Biology of Reproduction, 1990, 43, 363-367. | 2.7 | 201 |
| 87 | Isolation of gonadotrops from the pituitary of the African catfish, Clarias lazera. Cell and Tissue Research, 1984, 236, 669-675. | 2.9 | 36 |