

# Janice L Bailey

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,433  
citations

201674

27  
h-index

206112

48  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2222  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Mechanism of Action of an Environmentally Relevant Organochlorine Mixture in Repressing Steroid Hormone Biosynthesis in Leydig Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3997.   | 4.1  | 3         |
| 2  | Prenatal Exposure to Persistent Organic Pollutants and Maternal Folic Acid Supplementation: Their Impact on Glucose Homeostasis in Male Rat Descendants. <i>Environments - MDPI</i> , 2021, 8, 24.   | 3.3  | 0         |
| 3  | Early-Life Exposure to Environmental Contaminants Perturbs the Sperm Epigenome and Induces Negative Pregnancy Outcomes for Three Generations via the Paternal Lineage. <i>Epigenomes</i> , 2021, 5, 10.  | 1.8  | 13        |
| 4  | ACRBP (Sp32) is involved in priming sperm for the acrosome reaction and the binding of sperm to the zona pellucida in a porcine model. <i>PLoS ONE</i> , 2021, 16, e0251973.   | 2.5  | 14        |
| 5  | Maternal folic acid supplementation does not counteract the deleterious impact of prenatal exposure to environmental pollutants on lipid homeostasis in male rat descendants. <i>Journal of Developmental Origins of Health and Disease</i> , 2020, 11, 427-437. | 1.4  | 2         |
| 6  | Adipose Tissue Transcriptome Is Related to Pollutant Exposure in Polar Bear Motherâ€“Cub Pairs from Svalbard, Norway. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11365-11375.   | 10.0 | 7         |
| 7  | Beyond fertilisation: How the paternal environment influences future generations. <i>Animal Reproduction Science</i> , 2020, 220, 106503.  | 1.5  | 3         |
| 8  | Customized MethylC-Capture Sequencing to Evaluate Variation in the Human Sperm DNA Methylome Representative of Altered Folate Metabolism. <i>Environmental Health Perspectives</i> , 2019, 127, 87002.   | 6.0  | 20        |
| 9  | Prenatal Exposure to Environmentally-Relevant Contaminants Perturbs Male Reproductive Parameters Across Multiple Generations that are Partially Protected by Folic Acid Supplementation. <i>Scientific Reports</i> , 2019, 9, 13829.                             | 3.3  | 19        |
| 10 | Histomorphologic Analysis of the Late-term Rat Fetus and Placenta. <i>Toxicologic Pathology</i> , 2018, 46, 158-168.   | 1.8  | 13        |
| 11 | Algal and Vegetable Oils as Sustainable Fish Oil Substitutes in Rainbow Trout Diets: An Approach to Reduce Contaminant Exposure. <i>Journal of Food Quality</i> , 2018, 2018, 1-12.  | 2.6  | 21        |
| 12 | Cell-lineage specificity of primary cilia during postnatal epididymal development. <i>Human Reproduction</i> , 2018, 33, 1829-1838.  | 0.9  | 9         |
| 13 | Inferring and modeling inheritance of differentially methylated changes across multiple generations. <i>Nucleic Acids Research</i> , 2018, 46, e85-e85.  | 14.5 | 8         |
| 14 | Genome-wide analysis of sperm DNA methylation from monozygotic twin bulls. <i>Reproduction, Fertility and Development</i> , 2017, 29, 838.   | 0.4  | 10        |
| 15 | Cholesterol-loaded cyclodextrin improves ram sperm cryoresistance in skim milk-extender. <i>Animal Reproduction Science</i> , 2017, 177, 1-11.   | 1.5  | 12        |
| 16 | Novel technical strategies to optimize cryopreservation of goat semen using cholesterol-loaded cyclodextrin. <i>Cryobiology</i> , 2017, 74, 19-24.   | 0.7  | 8         |
| 17 | Health Effects of PCBs in Residences and Schools (HESPERUS): PCB â€“ health Cohort Profile. <i>Scientific Reports</i> , 2016, 6, 24571.  | 3.3  | 17        |
| 18 | Cholesterol-Loaded Cyclodextrin Increases the Cholesterol Content of Goat Sperm to Improve Cold and Osmotic Resistance and Maintain Sperm Function after Cryopreservation1. <i>Biology of Reproduction</i> , 2016, 94, 85.                                       | 2.7  | 29        |

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|----|---|-----|-----------|
| 19 | In boar sperm capacitation l -lactate and succinate, but not pyruvate and citrate, contribute to the mitochondrial membrane potential increase as monitored via safranin O fluorescence. <i>Biochemical and Biophysical Research Communications</i> , 2015, 462, 257-262. | 2.1 | 17        |
| 20 | In Vitro Exposure of Leydig Cells to an Environmentally Relevant Mixture of Organochlorines Represses Early Steps of Steroidogenesis1. <i>Biology of Reproduction</i> , 2014, 90, 118.  | 2.7 | 22        |
| 21 | Pre-incubation prior to semen processing and the subsequent effect on the quality of fresh-cooled and cryopreserved ram semen. <i>Small Ruminant Research</i> , 2012, 102, 57-62.   | 1.2 | 1         |
| 22 | Localization of Hsp60 and Grp78 in the human testis, epididymis and mature spermatozoa. <i>Journal of Developmental and Physical Disabilities</i> , 2010, 33, 33-44.  | 3.6 | 42        |
| 23 | Factors Regulating Sperm Capacitation. <i>Systems Biology in Reproductive Medicine</i> , 2010, 56, 334-348.   | 2.1 | 136       |
| 24 | Effects of an Environmentally Relevant Organochlorine Mixture and a Metabolized Extract of This Mixture on Porcine Sperm Parameters In Vitro. <i>Journal of Andrology</i> , 2009, 30, 317-324.  | 2.0 | 24        |
| 25 | Cryopreservation affects bovine sperm intracellular parameters associated with capacitation and acrosome exocytosis. <i>Reproduction, Fertility and Development</i> , 2009, 21, 525.  | 0.4 | 63        |
| 26 | Modulation of bovine sperm signalling pathways: correlation between intracellular parameters and sperm capacitation and acrosome exocytosis. <i>Reproduction, Fertility and Development</i> , 2009, 21, 511.  | 0.4 | 31        |
| 27 | An environmentally relevant mixture of organochlorines, their metabolites and effects on preimplantation development of porcine embryos. <i>Reproductive Toxicology</i> , 2008, 25, 361-366.  | 2.9 | 8         |
| 28 | Cryopreservation of boar semen and its future importance to the industry. <i>Theriogenology</i> , 2008, 70, 1251-1259.  | 2.1 | 109       |
| 29 | Expression of Hsp60 and Grp78 in the human endometrium and oviduct, and their effect on sperm functions. <i>Human Reproduction</i> , 2007, 22, 2606-2614.   | 0.9 | 62        |
| 30 | Changes in the Journal of Andrology in the Electronic Age. <i>Journal of Andrology</i> , 2007, 29, 123-123.   | 2.0 | 1         |
| 31 | Effect of an environmentally relevant metabolized organochlorine mixture on porcine cumulus-oocyte complexes. <i>Reproductive Toxicology</i> , 2007, 23, 145-152.   | 2.9 | 21        |
| 32 | Impact of cryopreservation and reactive oxygen species on DNA integrity, lipid peroxidation, and functional parameters in ram sperm. <i>Molecular Reproduction and Development</i> , 2007, 74, 878-892.   | 2.0 | 151       |
| 33 | Reduced Seminal Parameters Associated With Environmental DDT Exposure and p,p'-DDE Concentrations in Men in Chiapas, Mexico: A Cross-Sectional Study. <i>Journal of Andrology</i> , 2006, 27, 16-27.  | 2.0 | 146       |
| 34 | An environmentally-relevant mixture of organochlorines and its vehicle control, dimethylsulfoxide, induce ultrastructural alterations in porcine oocytes. <i>Molecular Reproduction and Development</i> , 2006, 73, 83-91.  | 2.0 | 15        |
| 35 | In Utero and Lactational Exposure to an Environmentally Relevant Organochlorine Mixture Disrupts Reproductive Development and Function in Male Rats1. <i>Biology of Reproduction</i> , 2005, 73, 414-426.   | 2.7 | 26        |
| 36 | Use of phosphoproteomics to study tyrosine kinase activity in capacitating boar sperm. <i>Theriogenology</i> , 2005, 63, 599-614.   | 2.1 | 71        |

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|----|---|-----|-----------|
| 37 | The Proacrosin Binding Protein, sp32, Is Tyrosine Phosphorylated During Capacitation of Pig Sperm. <i>Journal of Andrology</i> , 2005, 26, 519-528.   | 2.0 | 62        |
| 38 | Nonoccupational Determinants of Plasma DDT and p,p'-DDE in Men from Chiapas, Mexico. <i>Archives of Environmental Health</i> , 2004, 59, 42-49.   | 0.4 | 3         |
| 39 | Reduced Fertility in Male Mice Deficient in the Zinc Metalloproteinase NL1. <i>Molecular and Cellular Biology</i> , 2004, 24, 4428-4437.  | 2.3 | 37        |
| 40 | Implication of cAMP during porcine sperm capacitation and protein tyrosine phosphorylation. <i>Molecular Reproduction and Development</i> , 2004, 69, 428-435.  | 2.0 | 36        |
| 41 | Boar sperm storage capacity of BTS and Androhep Plus: viability, motility, capacitation, and tyrosine phosphorylation. <i>Theriogenology</i> , 2004, 62, 874-886.   | 2.1 | 56        |
| 42 | Cryopreservation of Ram Semen Facilitates Sperm DNA Damage: Relationship Between Sperm Andrological Parameters and the Sperm Chromatin Structure Assay. <i>Journal of Andrology</i> , 2004, 25, 224-233.                    | 2.0 | 117       |
| 43 | The Importance of Calcium in the Appearance of p32, a Boar Sperm Tyrosine Phosphoprotein, During In Vitro Capacitation. <i>Journal of Andrology</i> , 2003, 24, 727-733.  | 2.0 | 40        |
| 44 | Semen characteristics of genetically identical quadruplet bulls. <i>Theriogenology</i> , 2003, 59, 1865-1877.   | 2.1 | 8         |
| 45 | Porcine Sperm Capacitation and Tyrosine Kinase Activity Are Dependent on Bicarbonate and Calcium but Protein Tyrosine Phosphorylation Is Only Associated with Calcium1. <i>Biology of Reproduction</i> , 2003, 68, 207-213. | 2.7 | 86        |
| 46 | A Differential Mechanism Is Involved During Heparin- and Cryopreservation-Induced Capacitation of Bovine Spermatozoa. <i>Biology of Reproduction</i> , 2003, 69, 177-185.   | 2.7 | 146       |
| 47 | Effects of Gestational and Lactational Exposure to Organochlorine Compounds on Cellular, Humoral, and Innate Immunity in Swine. <i>Toxicological Sciences</i> , 2003, 77, 41-50.  | 3.1 | 14        |
| 48 | Implication of calmodulin-dependent phosphodiesterase type 1 during bovine sperm capacitation. <i>Journal of Andrology</i> , 2003, 24, 104-12.  | 2.0 | 16        |
| 49 | An Environmentally Relevant Organochlorine Mixture Impairs Sperm Function and Embryo Development in the Porcine Model1. <i>Biology of Reproduction</i> , 2002, 67, 80-87.   | 2.7 | 43        |
| 50 | Effect of Bovine Oviduct Epithelial Cell Apical Plasma Membranes on Sperm Function Assessed by a Novel Flow Cytometric Approach1. <i>Biology of Reproduction</i> , 2002, 67, 1125-1132.                                     | 2.7 | 41        |
| 51 | Comparison of extenders, dilution ratios and theophylline addition on the function of cryopreserved walleye semen. <i>Theriogenology</i> , 2002, 57, 1061-1071.   | 2.1 | 22        |
| 52 | Cryopreservation in Different Concentrations of Glycerol Alters Boar Sperm and Their Membranes. <i>Journal of Andrology</i> , 2001, 22, 961-969.  | 2.0 | 58        |
| 53 | Impaired Maturation, Fertilization, and Embryonic Development of Porcine Oocytes Following Exposure to an Environmentally Relevant Organochlorine Mixture1. <i>Biology of Reproduction</i> , 2001, 65, 554-560.             | 2.7 | 80        |
| 54 | Capacitation Is Associated with Tyrosine Phosphorylation and Tyrosine Kinase-Like Activity of Pig Sperm Proteins1. <i>Biology of Reproduction</i> , 2001, 65, 784-792.  | 2.7 | 179       |

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|----|---|-----|-----------|
| 55 | Influence of oviductal cells and conditioned medium on porcine gametes. <i>Zygote</i> , 2000, 8, 139-144.   | 1.1 | 43        |
| 56 | Identification of capacitation-associated phosphoproteins in porcine sperm electroporated with ATP- $\gamma$ -32P. <i>Molecular Reproduction and Development</i> , 1999, 54, 292-302.   | 2.0 | 43        |
| 57 | Intracellular regulation of estradiol and progesterone production by cultured bovine granulosa cells. <i>Molecular Reproduction and Development</i> , 1999, 54, 371-378.  | 2.0 | 7         |
| 58 | The Temperature Dependence in the Hydraulic Conductivity, $L_p$ , of the Mouse Sperm Plasma Membrane Shows a Discontinuity between 4 and 0°C. <i>Cryobiology</i> , 1995, 32, 220-238.   | 0.7 | 48        |
| 59 | Calcium influx into mouse spermatozoa activated by solubilized mouse zona pellucida, monitored with the calcium fluorescent indicator, fluo-3. inhibition of the influx by three inhibitors of the zona pellucida induced acrosome reaction: Tyrphostin A48, pertussis toxin, and 3-quinuclidinyl benzilate. <i>Molecular Reproduction and Development</i> , 1994, 39, 297-308. | 2.0 | 90        |