

Janice L Bailey

List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	Factors Regulating Sperm Capacitation. <i>Systems Biology in Reproductive Medicine</i> , 2010, 56, 334-348.	2.1	136
6	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
7	Cryopreservation of boar semen and its future importance to the industry. <i>Theriogenology</i> , 2008, 70, 1251-1259.	2.1	109
8	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
9	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
10	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
11	Use of phosphoproteomics to study tyrosine kinase activity in capacitating boar sperm. <i>Theriogenology</i> , 2005, 63, 599-614.	2.1	71
12	Cryopreservation affects bovine sperm intracellular parameters associated with capacitation and acrosome exocytosis. <i>Reproduction, Fertility and Development</i> , 2009, 21, 525.	0.4	63
13	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
14	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
15	Cryopreservation in Different Concentrations of Glycerol Alters Boar Sperm and Their Membranes. <i>Journal of Andrology</i> , 2001, 22, 961-969.	2.0	58
16	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
17	The Temperature Dependence in the Hydraulic Conductivity, Lp, of the Mouse Sperm Plasma Membrane Shows a Discontinuity between 4 and 0°C. <i>Cryobiology</i> , 1995, 32, 220-238.	0.7	48
18	Identification of capacitation-associated phosphoproteins in porcine sperm electroporated with ATP-γ-32P. <i>Molecular Reproduction and Development</i> , 1999, 54, 292-302.	2.0	43

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19	Influence of oviductal cells and conditioned medium on porcine gametes. <i>Zygote</i> , 2000, 8, 139-144.	1.1	43
20	An Environmentally Relevant Organochlorine Mixture Impairs Sperm Function and Embryo Development in the Porcine Model. <i>Biology of Reproduction</i> , 2002, 67, 80-87.	2.7	43
21	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
22	Effect of Bovine Oviduct Epithelial Cell Apical Plasma Membranes on Sperm Function Assessed by a Novel Flow Cytometric Approach. <i>Biology of Reproduction</i> , 2002, 67, 1125-1132.	2.7	41
23	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
24	Reduced Fertility in Male Mice Deficient in the Zinc Metalloproteinase NL1. <i>Molecular and Cellular Biology</i> , 2004, 24, 4428-4437.	2.3	37
25	Implication of cAMP during porcine sperm capacitation and protein tyrosine phosphorylation. <i>Molecular Reproduction and Development</i> , 2004, 69, 428-435.	2.0	36
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	Cholesterol-Loaded Cyclodextrin Increases the Cholesterol Content of Goat Sperm to Improve Cold and Osmotic Resistance and Maintain Sperm Function after Cryopreservation. <i>Biology of Reproduction</i> , 2016, 94, 85.	2.7	29
28	In Utero and Lactational Exposure to an Environmentally Relevant Organochlorine Mixture Disrupts Reproductive Development and Function in Male Rats. <i>Biology of Reproduction</i> , 2005, 73, 414-426.	2.7	26
29	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
30	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
31	In Vitro Exposure of Leydig Cells to an Environmentally Relevant Mixture of Organochlorines Represses Early Steps of Steroidogenesis. <i>Biology of Reproduction</i> , 2014, 90, 118.	2.7	22
32	Effect of an environmentally relevant metabolized organochlorine mixture on porcine cumulus-oocyte complexes. <i>Reproductive Toxicology</i> , 2007, 23, 145-152.	2.9	21
33	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
34	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
35	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
36	In boar sperm capacitation -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

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37	Health Effects of PCBs in Residences and Schools (HESPERUS): PCB health Cohort Profile. Scientific Reports, 2016, 6, 24571.	3.3	17
38	Implication of calmodulin-dependent phosphodiesterase type 1 during bovine sperm capacitation. Journal of Andrology, 2003, 24, 104-12.	2.0	16
39	An environmentally-relevant mixture of organochlorines and its vehicle control, dimethylsulfoxide, induce ultrastructural alterations in porcine oocytes. Molecular Reproduction and Development, 2006, 73, 83-91.	2.0	15
40	Effects of Gestational and Lactational Exposure to Organochlorine Compounds on Cellular, Humoral, and Innate Immunity in Swine. Toxicological Sciences, 2003, 77, 41-50.	3.1	14
41	ACRBP (Sp32) is involved in priming sperm for the acrosome reaction and the binding of sperm to the zona pellucida in a porcine model. PLoS ONE, 2021, 16, e0251973.	2.5	14
42	Histomorphologic Analysis of the Late-term Rat Fetus and Placenta. Toxicologic Pathology, 2018, 46, 158-168.	1.8	13
43	Early-Life Exposure to Environmental Contaminants Perturbs the Sperm Epigenome and Induces Negative Pregnancy Outcomes for Three Generations via the Paternal Lineage. Epigenomes, 2021, 5, 10.	1.8	13
44	Cholesterol-loaded cyclodextrin improves ram sperm cryoresistance in skim milk-extender. Animal Reproduction Science, 2017, 177, 1-11.	1.5	12
45	Genome-wide analysis of sperm DNA methylation from monozygotic twin bulls. Reproduction, Fertility and Development, 2017, 29, 838.	0.4	10
46	Cell-lineage specificity of primary cilia during postnatal epididymal development. Human Reproduction, 2018, 33, 1829-1838.	0.9	9
47	Semen characteristics of genetically identical quadruplet bulls. Theriogenology, 2003, 59, 1865-1877.	2.1	8
48	An environmentally relevant mixture of organochlorines, their metabolites and effects on preimplantation development of porcine embryos. Reproductive Toxicology, 2008, 25, 361-366.	2.9	8
49	Novel technical strategies to optimize cryopreservation of goat semen using cholesterol-loaded cyclodextrin. Cryobiology, 2017, 74, 19-24.	0.7	8
50	Inferring and modeling inheritance of differentially methylated changes across multiple generations. Nucleic Acids Research, 2018, 46, e85-e85.	14.5	8
51	Intracellular regulation of estradiol and progesterone production by cultured bovine granulosa cells. Molecular Reproduction and Development, 1999, 54, 371-378.	2.0	7
52	Adipose Tissue Transcriptome Is Related to Pollutant Exposure in Polar Bear Mother-Cub Pairs from Svalbard, Norway. Environmental Science & Technology, 2020, 54, 11365-11375.	10.0	7
53	Nonoccupational Determinants of Plasma DDT and p,p'-DDE in Men from Chiapas, Mexico. Archives of Environmental Health, 2004, 59, 42-49.	0.4	3
54	Beyond fertilisation: How the paternal environment influences future generations. Animal Reproduction Science, 2020, 220, 106503.	1.5	3

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55	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
56	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
57	Changes in the Journal of Andrology in the Electronic Age. <i>Journal of Andrology</i> , 2007, 29, 123-123.	2.0	1
58	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
59	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