

John Kastelic

List of Publications by Year in descending order

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Version: 2024-02-01

242
papers

8,662
citations

41258

49
h-index

62479

80
g-index

250
all docs

250
docs citations

250
times ranked

5255
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Temporal associations among ovarian events in cattle during oestrous cycles with two and three follicular waves. <i>Reproduction</i> , 1989, 87, 223-230. | 1.1 | 517 |
| 2 | Association between surges of follicle-stimulating hormone and the emergence of follicular waves in heifers. <i>Reproduction</i> , 1992, 94, 177-188. | 1.1 | 483 |
| 3 | Invited review: Changes in the dairy industry affecting dairy cattle health and welfare. <i>Journal of Dairy Science</i> , 2015, 98, 7426-7445. | 1.4 | 382 |
| 4 | Ovarian follicular dynamics in heifers: Test of two-wave hypothesis by ultrasonically monitoring individual follicles. <i>Domestic Animal Endocrinology</i> , 1989, 6, 111-119. | 0.8 | 231 |
| 5 | Lower Pregnancy Losses in Lactating Dairy Cows Fed a Diet Enriched in $\hat{\iota}$ -Linolenic Acid. <i>Journal of Dairy Science</i> , 2006, 89, 3066-3074. | 1.4 | 173 |
| 6 | Incidence of clinical mastitis and distribution of pathogens on large Chinese dairy farms. <i>Journal of Dairy Science</i> , 2017, 100, 4797-4806. | 1.4 | 154 |
| 7 | Effect of LH or GnRH on the dominant follicle of the first follicular wave in beef heifers. <i>Animal Reproduction Science</i> , 1999, 57, 23-33. | 0.5 | 140 |
| 8 | Ultrasonic morphology of corpora lutea and central luteal cavities during the estrous cycle and early pregnancy in heifers. <i>Theriogenology</i> , 1990, 34, 487-498. | 0.9 | 134 |
| 9 | Testicular thermoregulation in <i>Bos indicus</i> , crossbred and <i>Bos taurus</i> bulls: relationship with scrotal, testicular vascular cone and testicular morphology, and effects on semen quality and sperm production. <i>Theriogenology</i> , 2004, 61, 511-528. | 0.9 | 130 |
| 10 | Breeding Soundness Evaluation and Semen Analysis for Predicting Bull Fertility. <i>Reproduction in Domestic Animals</i> , 2008, 43, 368-373. | 0.6 | 120 |
| 11 | Effects of a dominant follicle on ovarian follicular dynamics during the oestrous cycle in heifers. <i>Reproduction</i> , 1991, 91, 511-519. | 1.1 | 118 |
| 12 | Comparison of methods to evaluate the plasmalemma of bovine sperm and their relationship with in vitro fertilization rate. <i>Theriogenology</i> , 2003, 60, 1539-1551. | 0.9 | 116 |
| 13 | Effects of cryopreservation on sperm viability, synthesis of reactive oxygen species, and DNA damage of bovine sperm. <i>Theriogenology</i> , 2016, 86, 562-571. | 0.9 | 116 |
| 14 | Ovarian Follicular Dynamics in Heifers during Early Pregnancy ¹ . <i>Biology of Reproduction</i> , 1989, 41, 247-254. | 1.2 | 108 |
| 15 | The use of progestins in regimens for fixed-time artificial insemination in beef cattle. <i>Theriogenology</i> , 2002, 57, 1049-1059. | 0.9 | 106 |
| 16 | Sexual development in early- and late-maturing <i>Bos indicus</i> and <i>Bos indicus</i> $\hat{\text{A}}$ – <i>Bos taurus</i> crossbred bulls in Brazil. <i>Theriogenology</i> , 2004, 62, 1198-1217. | 0.9 | 96 |
| 17 | Induction of follicular wave emergence for estrus synchronization and artificial insemination in heifers. <i>Theriogenology</i> , 2000, 54, 757-769. | 0.9 | 88 |
| 18 | Effects of environmental factors, age and genotype on sperm production and semen quality in <i>Bos indicus</i> and <i>Bos taurus</i> AI bulls in Brazil. <i>Animal Reproduction Science</i> , 2002, 70, 181-190. | 0.5 | 87 |

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|----|--|-----|-----------|
| 19 | Effect of age and genetic group on characteristics of the scrotum, testes and testicular vascular cones, and on sperm production and semen quality in AI bulls in Brazil. <i>Theriogenology</i> , 2002, 58, 1175-1186. | 0.9 | 86 |
| 20 | The effect of nutrition on sexual development of bulls. <i>Theriogenology</i> , 2008, 70, 485-494. | 0.9 | 83 |
| 21 | Antimicrobial resistance profiles of 5 common bovine mastitis pathogens in large Chinese dairy herds. <i>Journal of Dairy Science</i> , 2019, 102, 2416-2426. | 1.4 | 83 |
| 22 | Effects of oestradiol and some of its esters on gonadotrophin release and ovarian follicular dynamics in CIDR-treated beef cattle. <i>Animal Reproduction Science</i> , 2005, 86, 37-52. | 0.5 | 82 |
| 23 | Knowledge gaps that hamper prevention and control of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 125-148. | 1.3 | 79 |
| 24 | Effects of scrotal insulation on sperm production, semen quality, and testicular echotexture in <i>Bos indicus</i> and <i>Bos indicus</i> × <i>Bos taurus</i> bulls. <i>Animal Reproduction Science</i> , 2003, 79, 1-15. | 0.5 | 76 |
| 25 | Associations among serum pro- and anti-inflammatory cytokines, metabolic mediators, body condition, and uterine disease in postpartum dairy cows. <i>Reproductive Biology and Endocrinology</i> , 2013, 11, 103. | 1.4 | 76 |
| 26 | Effects of progesterone presynchronization and eCG on pregnancy rates to GnRH-based, timed-AI in beef cattle. <i>Theriogenology</i> , 2009, 71, 698-706. | 0.9 | 71 |
| 27 | A review of sexually transmitted bovine trichomoniasis and campylobacteriosis affecting cattle reproductive health. <i>Theriogenology</i> , 2016, 85, 781-791. | 0.9 | 71 |
| 28 | Prevalence of non-aureus staphylococci species causing intramammary infections in Canadian dairy herds. <i>Journal of Dairy Science</i> , 2017, 100, 5592-5612. | 1.4 | 70 |
| 29 | Intraovarian relationships among dominant and subordinate follicles and the corpus luteum in heifers. <i>Theriogenology</i> , 1989, 32, 787-795. | 0.9 | 69 |
| 30 | Effects of plasma progesterone concentrations on LH release and ovulation in beef cattle given GnRH. <i>Domestic Animal Endocrinology</i> , 2008, 34, 109-117. | 0.8 | 69 |
| 31 | Enhanced early-life nutrition promotes hormone production and reproductive development in Holstein bulls. <i>Journal of Dairy Science</i> , 2015, 98, 987-998. | 1.4 | 69 |
| 32 | Effects of dietary energy on scrotal surface temperature, seminal quality, and sperm production in young beef bulls. <i>Journal of Animal Science</i> , 1997, 75, 1048. | 0.2 | 67 |
| 33 | Insulating the scrotal neck affects semen quality and scrotal/testicular temperatures in the bull. <i>Theriogenology</i> , 1996, 45, 935-942. | 0.9 | 66 |
| 34 | The effects of active immunization against gnRH on testicular development, feedlot performance, and carcass characteristics of beef bulls. <i>Journal of Animal Science</i> , 2000, 78, 2778. | 0.2 | 64 |
| 35 | Effects of low versus physiologic plasma progesterone concentrations on ovarian follicular development and fertility in beef cattle. <i>Theriogenology</i> , 2009, 72, 1237-1250. | 0.9 | 63 |
| 36 | Effect of nutrition during calthood and peripubertal period on serum metabolic hormones, gonadotropins and testosterone concentrations, and on sexual development in bulls. <i>Domestic Animal Endocrinology</i> , 2007, 33, 1-18. | 0.8 | 62 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Effects of estradiol cypionate (ECP) on ovarian follicular dynamics, synchrony of ovulation, and fertility in CIDR-based, fixed-time AI programs in beef heifers. <i>Theriogenology</i> , 2003, 60, 855-865. | 0.9 | 61 |
| 38 | Fertility in beef cattle given a new or previously used CIDR insert and estradiol, with or without progesterone. <i>Animal Reproduction Science</i> , 2004, 81, 25-34. | 0.5 | 58 |
| 39 | Mucin 1 and cytokines mRNA in endometrium of dairy cows with postpartum uterine disease or repeat breeding. <i>Theriogenology</i> , 2014, 81, 952-958.e2. | 0.9 | 57 |
| 40 | Scrotal surface, subcutaneous, intratesticular, and intraepididymal temperatures in bulls. <i>Theriogenology</i> , 1995, 44, 147-152. | 0.9 | 56 |
| 41 | Accuracy of ultrasonography for pregnancy diagnosis on days 10 to 22 in heifers. <i>Theriogenology</i> , 1989, 31, 813-820. | 0.9 | 53 |
| 42 | Effect of improved nutrition during calfhood on serum metabolic hormones, gonadotropins, and testosterone concentrations, and on testicular development in bulls. <i>Domestic Animal Endocrinology</i> , 2007, 33, 460-469. | 0.8 | 53 |
| 43 | Association between mRNA abundance of functional sperm function proteins and fertility of Holstein bulls. <i>Theriogenology</i> , 2012, 78, 2007-2019.e2. | 0.9 | 53 |
| 44 | Suppression of dominant and subordinate ovarian follicles by a proteinaceous fraction of follicular fluid in heifers. <i>Theriogenology</i> , 1990, 34, 499-509. | 0.9 | 52 |
| 45 | Spontaneous embryonic death on Days 20 to 40 in heifers. <i>Theriogenology</i> , 1991, 35, 351-363. | 0.9 | 52 |
| 46 | Effect of feed restriction during calfhood on serum concentrations of metabolic hormones, gonadotropins, testosterone, and on sexual development in bulls. <i>Reproduction</i> , 2007, 134, 171-181. | 1.1 | 52 |
| 47 | Fertility management of bulls to improve beef cattle productivity. <i>Theriogenology</i> , 2016, 86, 397-405. | 0.9 | 52 |
| 48 | Prevalence and Genetic Basis of Antimicrobial Resistance in Non- <i>aureus</i> Staphylococci Isolated from Canadian Dairy Herds. <i>Frontiers in Microbiology</i> , 2018, 9, 256. | 1.5 | 52 |
| 49 | Contribution of the scrotum, testes, and testicular artery to scrotal/testicular thermoregulation in bulls at two ambient temperatures. <i>Animal Reproduction Science</i> , 1997, 45, 255-261. | 0.5 | 51 |
| 50 | Na ⁺ /K ⁺ ATPase regulates sperm capacitation through a mechanism involving kinases and redistribution of its testis-specific isoform. <i>Molecular Reproduction and Development</i> , 2010, 77, 136-148. | 1.0 | 51 |
| 51 | Testicular ultrasonogram pixel intensity during sexual development and its relationship with semen quality, sperm production, and quantitative testicular histology in beef bulls. <i>Theriogenology</i> , 2012, 78, 69-76. | 0.9 | 51 |
| 52 | Understanding and evaluating bovine testes. <i>Theriogenology</i> , 2014, 81, 18-23. | 0.9 | 51 |
| 53 | Role of progesterone in mobility, fixation, orientation, and survival of the equine embryonic vesicle. <i>Theriogenology</i> , 1987, 27, 655-663. | 0.9 | 49 |
| 54 | Luteal blood flow increases during the first three weeks of pregnancy in lactating dairy cows. <i>Theriogenology</i> , 2011, 75, 549-554. | 0.9 | 49 |

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|----|--|-----|-----------|
| 55 | Enhanced early-life nutrition of Holstein bulls increases sperm production potential without decreasing postpubertal semen quality. <i>Theriogenology</i> , 2016, 86, 687-694.e2. | 0.9 | 49 |
| 56 | Sperm and seminal plasma proteomics of high- versus low-fertility Holstein bulls. <i>Theriogenology</i> , 2019, 126, 41-48. | 0.9 | 48 |
| 57 | Prevention and treatment of biofilms by hybrid- and nanotechnologies. <i>International Journal of Nanomedicine</i> , 2013, 8, 2809. | 3.3 | 47 |
| 58 | The testicular vascular cone, scrotal thermoregulation, and their relationship to sperm production and seminal quality in beef bulls. <i>Theriogenology</i> , 1994, 41, 653-671. | 0.9 | 46 |
| 59 | Male involvement in fertility and factors affecting semen quality in bulls. <i>Animal Frontiers</i> , 2013, 3, 20-25. | 0.8 | 44 |
| 60 | Environmental factors affecting measurement of bovine scrotal surface temperature with infrared thermography. <i>Animal Reproduction Science</i> , 1996, 41, 153-159. | 0.5 | 43 |
| 61 | Contribution of the scrotum and testes to scrotal and testicular thermoregulation in bulls and rams. <i>Reproduction</i> , 1996, 108, 81-85. | 1.1 | 43 |
| 62 | Progesterone concentration, estradiol pretreatment, and dose of gonadotropin-releasing hormone affect gonadotropin-releasing hormone-mediated luteinizing hormone release in beef heifers. <i>Domestic Animal Endocrinology</i> , 2010, 39, 155-162. | 0.8 | 42 |
| 63 | Feeding flaxseed in grass hay and barley silage diets to beef cows increases alpha-linolenic acid and its biohydrogenation intermediates in subcutaneous fat1. <i>Journal of Animal Science</i> , 2012, 90, 592-604. | 0.2 | 42 |
| 64 | Effect of growth rate from 6 to 16 months of age on sexual development and reproductive function in beef bulls. <i>Theriogenology</i> , 2012, 77, 1398-1405. | 0.9 | 41 |
| 65 | Effect of reproductive tract scoring on reproductive efficiency in beef heifers bred by timed insemination and natural service versus only natural service. <i>Theriogenology</i> , 2014, 81, 918-924. | 0.9 | 41 |
| 66 | <i>Escherichia coli</i> lipopolysaccharide administration transiently suppresses luteal structure and function in diestrous cows. <i>Reproduction</i> , 2012, 144, 467-476. | 1.1 | 40 |
| 67 | Associations of adiponectin and fertility estimates in Holstein bulls. <i>Theriogenology</i> , 2013, 79, 766-777.e3. | 0.9 | 40 |
| 68 | Permanent contraception of dogs induced with intratesticular injection of a Zinc Gluconate-based solution. <i>Theriogenology</i> , 2012, 77, 1056-1063. | 0.9 | 39 |
| 69 | Proteins associated with critical sperm functions and sperm head shape are differentially expressed in morphologically abnormal bovine sperm induced by scrotal insulation. <i>Journal of Proteomics</i> , 2013, 82, 64-80. | 1.2 | 39 |
| 70 | Colonization of Cattle Intestines by <i>Campylobacter jejuni</i> and <i>Campylobacter lanienae</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 5145-5153. | 1.4 | 38 |
| 71 | Elevated testicular temperature modulates expression patterns of sperm proteins in Holstein bulls. <i>Molecular Reproduction and Development</i> , 2009, 76, 109-118. | 1.0 | 38 |
| 72 | Pregnancy Loss in Dairy Cattle: Relationship of Ultrasound, Blood Pregnancy-Specific Protein B, Progesterone and Production Variables. <i>Reproduction in Domestic Animals</i> , 2016, 51, 467-473. | 0.6 | 38 |

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|----|---|-----|-----------|
| 73 | Virulence gene profiles: alpha-hemolysin and clonal diversity in <i>Staphylococcus aureus</i> isolates from bovine clinical mastitis in China. <i>BMC Veterinary Research</i> , 2018, 14, 63. | 0.7 | 38 |
| 74 | Efficacy of PGF $_{2\alpha}$ to synchronize estrus in water buffalo cows (<i>Bubalus bubalis</i>) is dependent upon plasma progesterone concentration, corpus luteum size and ovarian follicular status before treatment. <i>Animal Reproduction Science</i> , 2002, 73, 23-35. | 0.5 | 37 |
| 75 | Dairy farmers' perceptions toward the implementation of on-farm Johne's disease prevention and control strategies. <i>Journal of Dairy Science</i> , 2016, 99, 9114-9125. | 1.4 | 37 |
| 76 | Effects of estradiol on gonadotrophin release, estrus and ovulation in CIDR-treated beef cattle. <i>Domestic Animal Endocrinology</i> , 2007, 33, 77-90. | 0.8 | 34 |
| 77 | Differential Co-Expression Network Analysis Reveals Key Hub-High Traffic Genes as Potential Therapeutic Targets for COVID-19 Pandemic. <i>Frontiers in Immunology</i> , 2021, 12, 789317. | 2.2 | 34 |
| 78 | Fertility following fixed-time AI in CIDR-treated beef heifers given GnRH or estradiol cypionate and fed diets supplemented with flax seed or sunflower seed. <i>Theriogenology</i> , 2004, 61, 1115-1124. | 0.9 | 33 |
| 79 | Resynchronization of previously timed-inseminated beef heifers with progestins. <i>Theriogenology</i> , 2006, 65, 557-572. | 0.9 | 33 |
| 80 | Ultrasonography for Monitoring Reproductive Function in the Bull. <i>Reproduction in Domestic Animals</i> , 2012, 47, 45-51. | 0.6 | 33 |
| 81 | Testis-specific isoform of angiotensin-converting enzyme (tACE) is involved in the regulation of bovine sperm capacitation. <i>Molecular Reproduction and Development</i> , 2017, 84, 376-388. | 1.0 | 33 |
| 82 | <i>Klebsiella pneumoniae</i> isolated from bovine mastitis is cytopathogenic for bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2020, 103, 3493-3504. | 1.4 | 33 |
| 83 | Ultrasonic detection of the conceptus and characterization of intrauterine fluid on Days 10 to 22 in heifers. <i>Theriogenology</i> , 1991, 35, 569-581. | 0.9 | 32 |
| 84 | Scrotal/Testicular Thermoregulation and the Effects of Increased Testicular Temperature in the Bull. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 1997, 13, 271-282. | 0.5 | 32 |
| 85 | Critical evaluation of scientific articles and other sources of information: An introduction to evidence-based veterinary medicine. <i>Theriogenology</i> , 2006, 66, 534-542. | 0.9 | 32 |
| 86 | Non-therapeutic administration of a model antimicrobial growth promoter modulates intestinal immune responses. <i>Gut Pathogens</i> , 2011, 3, 14. | 1.6 | 32 |
| 87 | Moribund sperm in frozen-thawed semen, and sperm motion end points post-thaw and post-swim-up, are related to fertility in Holstein AI bulls. <i>Theriogenology</i> , 2012, 77, 940-951. | 0.9 | 32 |
| 88 | Predictors and impacts of colostrum consumption by 4 h after birth in newborn beef calves. <i>Veterinary Journal</i> , 2017, 228, 1-6. | 0.6 | 32 |
| 89 | Comprehensive Virulence Gene Profiling of Bovine Non- <i>Staphylococcus aureus</i> Staphylococci Based on Whole-Genome Sequencing Data. <i>MSystems</i> , 2019, 4, . | 1.7 | 32 |
| 90 | A review of research progress on cicer milkvetch (<i>Astragalus cicer</i> L.). <i>Canadian Journal of Plant Science</i> , 2006, 86, 49-62. | 0.3 | 31 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | The Effects of Increased Testicular Temperature on Testis-specific Isoform of Na ⁺ /K ⁺ -ATPase in Sperm and its Role in Spermatogenesis and Sperm Function. <i>Reproduction in Domestic Animals</i> , 2012, 47, 170-177. | 0.6 | 30 |
| 92 | Prevalence of antimicrobial resistance genes and its association with restricted antimicrobial use in food-producing animals: a systematic review and meta-analysis. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 561-575. | 1.3 | 30 |
| 93 | Comparison of models for genetic evaluation of scrotal circumference in crossbred bulls. <i>Journal of Animal Science</i> , 2000, 78, 275. | 0.2 | 29 |
| 94 | Effects of dose and route of administration of cloprostenol on luteolysis, estrus and ovulation in beef heifers. <i>Animal Reproduction Science</i> , 2002, 72, 47-62. | 0.5 | 28 |
| 95 | Low plasma progesterone concentrations are accompanied by reduced luteal blood flow and increased size of the dominant follicle in dairy cows. <i>Theriogenology</i> , 2011, 76, 12-22. | 0.9 | 28 |
| 96 | Factors affecting embryo survival and strategies to reduce embryonic mortality in cattle. <i>Canadian Journal of Animal Science</i> , 2003, 83, 659-671. | 0.7 | 27 |
| 97 | Mediation analysis to estimate direct and indirect milk losses due to clinical mastitis in dairy cattle. <i>Preventive Veterinary Medicine</i> , 2015, 118, 449-456. | 0.7 | 27 |
| 98 | Circulating cell-free mature microRNAs and their target gene prediction in bovine metritis. <i>Scientific Reports</i> , 2016, 6, 29509. | 1.6 | 27 |
| 99 | Comparison of 2 enzyme immunoassays and a radioimmunoassay for measurement of progesterone concentrations in bovine plasma, skim milk, and whole milk. <i>Canadian Journal of Veterinary Research</i> , 2008, 72, 32-6. | 1.1 | 27 |
| 100 | Computer analysis of video and ultrasonographic images for evaluation of bull testes. <i>Theriogenology</i> , 1998, 50, 223-228. | 0.9 | 26 |
| 101 | Effect of estradiol valerate on ovarian follicle dynamics and superovulatory response in progestin-treated cattle. <i>Theriogenology</i> , 2005, 63, 1454-1468. | 0.9 | 26 |
| 102 | Progesterone (CIDR)-based timed AI protocols using GnRH, porcine LH or estradiol cypionate for dairy heifers: Ovarian and endocrine responses and pregnancy rates. <i>Theriogenology</i> , 2005, 64, 1457-1474. | 0.9 | 26 |
| 103 | Testicular vascular cone development and its association with scrotal temperature, semen quality, and sperm production in beef bulls. <i>Animal Reproduction Science</i> , 2012, 134, 135-140. | 0.5 | 26 |
| 104 | Clinical indicators of blood gas disturbances, elevated L-lactate concentration and other abnormal blood parameters in newborn beef calves. <i>Veterinary Journal</i> , 2017, 219, 49-57. | 0.6 | 26 |
| 105 | Co-Occurrence of Plasmid-Mediated Colistin Resistance (<i>mcr-1</i>) and Extended-Spectrum β -Lactamase Encoding Genes in <i>Escherichia coli</i> from Bovine Mastitic Milk in China. <i>Microbial Drug Resistance</i> , 2020, 26, 685-696. | 0.9 | 26 |
| 106 | Knowledge Gaps in the Understanding of Antimicrobial Resistance in Canada. <i>Frontiers in Public Health</i> , 2021, 9, 726484. | 1.3 | 26 |
| 107 | Content of testis-specific isoform of Na/K-ATPase (ATP1A4) is increased during bovine sperm capacitation through translation in mitochondrial ribosomes. <i>Cell and Tissue Research</i> , 2017, 368, 187-200. | 1.5 | 25 |
| 108 | Hyperthermia and not hypoxia may reduce sperm motility and morphology following testicular hyperthermia. <i>Veterinari Medicina</i> , 2017, 62, 437-442. | 0.2 | 25 |

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|-----|---|-----|-----------|
| 109 | Molecular identification and antimicrobial susceptibility of <i>Nocardia</i> spp. isolated from bovine mastitis in Brazil. <i>Veterinary Microbiology</i> , 2013, 167, 708-712. | 0.8 | 24 |
| 110 | Na/K-ATPase regulates bovine sperm capacitation through raft- and non-raft-mediated signaling mechanisms. <i>Molecular Reproduction and Development</i> , 2017, 84, 1168-1182. | 1.0 | 24 |
| 111 | Intratesticular injection of a zinc-based solution for contraception of domestic cats: A randomized clinical trial of efficacy and safety. <i>Veterinary Journal</i> , 2013, 197, 307-310. | 0.6 | 23 |
| 112 | Flunixin meglumine improves pregnancy rate in embryo recipient beef cows with an excitable temperament. <i>Theriogenology</i> , 2018, 107, 70-77. | 0.9 | 23 |
| 113 | Calm Temperament Improves Reproductive Performance of Beef Cows. <i>Reproduction in Domestic Animals</i> , 2014, 49, 1063-1067. | 0.6 | 22 |
| 114 | Low-dose natural prostaglandin F ₂ ± (dinoprost) at timed insemination improves conception rate in dairy cattle. <i>Theriogenology</i> , 2015, 83, 529-534. | 0.9 | 22 |
| 115 | The use of GnRH or estradiol to facilitate fixed-time insemination in an MGA-based synchronization regimen in beef cattle. <i>Animal Reproduction Science</i> , 2001, 67, 221-229. | 0.5 | 21 |
| 116 | A combination of insulin-like growth factor I (IGF-I) and FSH promotes proliferation of prepubertal bovine Sertoli cells isolated and cultured in vitro. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1635. | 0.1 | 20 |
| 117 | Circulating Metabolic Hormones During the Peripubertal Period and Their Association with Testicular Development in Bulls. <i>Reproduction in Domestic Animals</i> , 2007, 42, 502-508. | 0.6 | 19 |
| 118 | The effect of growth hormone (GH) and insulin-like growth factor-I (IGF-I) on <i>in vitro</i> maturation of equine oocytes. <i>Zygote</i> , 2012, 20, 353-360. | 0.5 | 19 |
| 119 | Associations of hypoosmotic swelling test, relative sperm volume shift, aquaporin7 mRNA abundance and bull fertility estimates. <i>Theriogenology</i> , 2017, 89, 162-168. | 0.9 | 19 |
| 120 | Hyperthermia is more important than hypoxia as a cause of disrupted spermatogenesis and abnormal sperm. <i>Theriogenology</i> , 2019, 131, 177-181. | 0.9 | 19 |
| 121 | Short communication: Parturient plasma insulin-like growth factor-I concentrations based on day of insemination are lower in cows developing postpartum diseases. <i>Journal of Dairy Science</i> , 2012, 95, 1367-1370. | 1.4 | 18 |
| 122 | Arterial blood flow is the main source of testicular heat in bulls and higher ambient temperatures significantly increase testicular blood flow. <i>Theriogenology</i> , 2018, 116, 12-16. | 0.9 | 18 |
| 123 | Follicular Dynamics in Heifers during Pre-pubertal and Pubertal Period Kept under Two Levels of Dietary Energy Intake. <i>Reproduction in Domestic Animals</i> , 2007, 42, 616-622. | 0.6 | 17 |
| 124 | Effects of exogenous progesterone and cloprostenol on ovarian follicular development and first ovulation in prepubertal heifers. <i>Theriogenology</i> , 2009, 72, 1054-1064. | 0.9 | 17 |
| 125 | Selection of developmentally competent immature equine oocytes with brilliant cresyl blue stain prior to <i>in vitro</i> maturation with equine growth hormone. <i>Zygote</i> , 2014, 22, 500-504. | 0.5 | 17 |
| 126 | Trailer temperature and humidity during winter transport of cattle in Canada and evaluation of indicators used to assess the welfare of cull beef cows before and after transport1. <i>Journal of Animal Science</i> , 2015, 93, 3639-3653. | 0.2 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Critically important antimicrobials are generally not needed to treat nonsevere clinical mastitis in lactating dairy cows: Results from a network meta-analysis. <i>Journal of Dairy Science</i> , 2020, 103, 10585-10603. | 1.4 | 17 |
| 128 | Selenomethionine Suppressed TLR4/NF- κ B Pathway by Activating Selenoprotein S to Alleviate ESBL <i>Escherichia coli</i> -Induced Inflammation in Bovine Mammary Epithelial Cells and Macrophages. <i>Frontiers in Microbiology</i> , 2020, 11, 1461. | 1.5 | 17 |
| 129 | <i>Mycoplasma bovis</i> -generated reactive oxygen species and induced apoptosis in bovine mammary epithelial cell cultures. <i>Journal of Dairy Science</i> , 2020, 103, 10429-10445. | 1.4 | 17 |
| 130 | The ubiquitous isoform of Na/K-ATPase (ATP1A1) regulates junctional proteins, connexin 43 and claudin 11 via Src-EGFR-ERK1/2-CREB pathway in rat Sertoli cells. <i>Biology of Reproduction</i> , 2017, 96, 456-468. | 1.2 | 16 |
| 131 | Subtyping <i>Escherichia coli</i> Virulence Genes Isolated from Feces of Beef Cattle and Clinical Cases in Alberta. <i>Foodborne Pathogens and Disease</i> , 2017, 14, 35-42. | 0.8 | 16 |
| 132 | <i>Prototheca zopfii</i> genotype II induces mitochondrial apoptosis in models of bovine mastitis. <i>Scientific Reports</i> , 2020, 10, 698. | 1.6 | 16 |
| 133 | <i>Klebsiella pneumoniae</i> infection causes mitochondrial damage and dysfunction in bovine mammary epithelial cells. <i>Veterinary Research</i> , 2021, 52, 17. | 1.1 | 16 |
| 134 | The effects of 3 gonadorelin products on luteinizing hormone release, ovulation, and follicular wave emergence in cattle. <i>Canadian Veterinary Journal</i> , 2003, 44, 125-31. | 0.0 | 16 |
| 135 | Endocrine and thermal responses to GnRH treatment and prediction of sperm output and viability in Holstein-Friesian Breeding Bulls. <i>Theriogenology</i> , 1998, 50, 177-183. | 0.9 | 15 |
| 136 | Scrotal infrared digital thermography predicts effects of thermal stress on buffalo (<i>Bubalus bubalis</i>) semen. <i>Journal of Thermal Biology</i> , 2018, 78, 51-57. | 1.1 | 15 |
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