

Mario Binelli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5265257/publications.pdf>

Version: 2024-02-01

110
papers

2,383
citations

218381

26
h-index

253896

43
g-index

110
all docs

110
docs citations

110
times ranked

1729
citing authors

#	ARTICLE	IF	CITATIONS
1	Uterine-conceptus interactions and reproductive failure in cattle. <i>Theriogenology</i> , 2001, 56, 1435-1450.	0.9	184
2	Antiluteolytic strategies to improve fertility in cattle. <i>Theriogenology</i> , 2001, 56, 1451-1463.	0.9	122
3	Conceptus-Induced Changes in the Gene Expression of Blood Immune Cells and the Ultrasound-Accessed Luteal Function in Beef Cattle: How Early Can We Detect Pregnancy?1. <i>Biology of Reproduction</i> , 2014, 91, 95.	1.2	103
4	Efficacy of Timed Embryo Transfer with Fresh and Frozen In Vitro Produced Embryos to Increase Pregnancy Rates in Heat-Stressed Dairy Cattle. <i>Journal of Dairy Science</i> , 1999, 82, 2369-2376.	1.4	96
5	Coordinated regulation of follicle development by germ and somatic cells. <i>Reproduction, Fertility and Development</i> , 2010, 22, 1.	0.1	88
6	Pre-hatching embryo-dependent and -independent programming of endometrial function in cattle. <i>PLoS ONE</i> , 2017, 12, e0175954.	1.1	85
7	Antiluteolytic signals between the conceptus and endometrium. <i>Theriogenology</i> , 1997, 47, 131-140.	0.9	76
8	Bovine Interferon- γ , Stimulates the Janus Kinase-Signal Transducer and Activator of Transcription Pathway in Bovine Endometrial Epithelial Cells1. <i>Biology of Reproduction</i> , 2001, 64, 654-665.	1.2	71
9	Interferon- γ , Modulates Phorbol Ester-Induced Production of Prostaglandin and Expression of Cyclooxygenase-2 and Phospholipase-A2 from Bovine Endometrial Cells1. <i>Biology of Reproduction</i> , 2000, 63, 417-424.	1.2	56
10	Plasma concentrations of 13,14-dihydro-15-keto prostaglandin F2-alpha (PGFM), progesterone and estradiol in pregnant and nonpregnant diestrus cross-bred bitches. <i>Theriogenology</i> , 2006, 66, 1436-1441.	0.9	52
11	Improved fertility in suckled beef cows ovulating large follicles or supplemented with long-acting progesterone after timed-AI. <i>Theriogenology</i> , 2016, 85, 1239-1248.	0.9	52
12	Manipulation of the periovulatory sex steroidal milieu affects endometrial but not luteal gene expression in early diestrus Nelore cows. <i>Theriogenology</i> , 2014, 81, 861-869.	0.9	50
13	The pre-hatching bovine embryo transforms the uterine luminal metabolite composition in vivo. <i>Scientific Reports</i> , 2019, 9, 8354.	1.6	44
14	Corpus Luteum Development and Function after Supplementation of Long-Acting Progesterone During the Early Luteal Phase in Beef Cattle. <i>Reproduction in Domestic Animals</i> , 2014, 49, 85-91.	0.6	42
15	The Receptive Endometrial Transcriptomic Signature Indicates an Earlier Shift from Proliferation to Metabolism at Early Diestrus in the Cow1. <i>Biology of Reproduction</i> , 2015, 93, 52.	1.2	40
16	Persistent Dominant Follicle Alters Pattern of Oviductal Secretory Proteins from Cows at Estrus1. <i>Biology of Reproduction</i> , 1999, 61, 127-134.	1.2	39
17	Comparison of Growth Hormone-Releasing Factor and Somatotropin: Body Growth and Lactation of Primiparous Cows. <i>Journal of Dairy Science</i> , 1995, 78, 2129-2139.	1.4	38
18	Scavenger receptor-B1 and luteal function in mice. <i>Journal of Lipid Research</i> , 2010, 51, 2362-2371.	2.0	37

#	ARTICLE	IF	CITATIONS
19	The Transcriptome Signature of the Receptive Bovine Uterus Determined at Early Gestation. PLoS ONE, 2015, 10, e0122874.	1.1	35
20	Reduced oocyte and embryo quality in response to elevated non-esterified fatty acid concentrations: A possible pathway to subfertility?. Animal Reproduction Science, 2014, 149, 19-29.	0.5	34
21	The periovulatory endocrine milieu affects the uterine redox environment in beef cows. Reproductive Biology and Endocrinology, 2015, 13, 39.	1.4	32
22	Comparison of Growth Hormone-Releasing Factor and Somatotropin: The Somatotropic Axis In Lactating Primiparous Cows. Journal of Dairy Science, 1995, 78, 2140-2149.	1.4	31
23	VEGF system expression in different stages of estrous cycle in the corpus luteum of non-treated and superovulated water buffalo. Domestic Animal Endocrinology, 2007, 33, 379-389.	0.8	30
24	Evidence of endometrial amino acid metabolism and transport modulation by peri-ovulatory endocrine profiles driving uterine receptivity. Journal of Animal Science and Biotechnology, 2017, 8, 54.	2.1	30
25	Size of the Ovulatory Follicle Dictates Spatial Differences in the Oviductal Transcriptome in Cattle. PLoS ONE, 2015, 10, e0145321.	1.1	29
26	Effect of Long-Term Infusion with Recombinant Growth Hormone-Releasing Factor and Recombinant Bovine Somatotropin on Development and Function of Dominant Follicles and Corpora Lutea in Holstein Cows. Journal of Dairy Science, 1999, 82, 1917-1926.	1.4	28
27	Sex Steroid-Mediated Control of Oviductal Function in Cattle. Biology, 2018, 7, 15.	1.3	27
28	Use of Doppler ultrasonography in embryo transfer programs: feasibility and field results. Animal Reproduction, 2018, 15, 239-246.	0.4	27
29	Influence of Deslorelin (GnRH-agonist) implant on plasma progesterone, first wave dominant follicle and pregnancy in dairy cattle. Theriogenology, 1998, 50, 1157-1170.	0.9	26
30	Comparison of Growth Hormone-Releasing Factor and Somatotropin: Thyroid Status of Lactating, Primiparous Cows. Journal of Dairy Science, 1995, 78, 2150-2158.	1.4	25
31	Improvement in embryo recovery using double uterine flushing. Theriogenology, 2005, 63, 1249-1255.	0.9	25
32	Phospholipid Profile and Distribution in the Receptive Oviduct and Uterus During Early Diestrus in Cattle. Biology of Reproduction, 2016, 95, 127-127.	1.2	25
33	Dynamic remodeling of endometrial extracellular matrix regulates embryo receptivity in cattle. Reproduction, 2017, 153, 49-61.	1.1	25
34	Use of color-Doppler ultrasonography for selection of recipients in timed-embryo transfer programs in beef cattle. Theriogenology, 2019, 135, 73-79.	0.9	25
35	Ultrasonography-accessed luteal size endpoint that most closely associates with circulating progesterone during the estrous cycle and early pregnancy in beef cows. Animal Reproduction Science, 2019, 201, 12-21.	0.5	24
36	Biochemical characterization of progesterone-induced alterations in bovine uterine fluid amino acid and carbohydrate composition during the conceptus elongation window. Biology of Reproduction, 2018, 100, 672-685.	1.2	22

#	ARTICLE	IF	CITATIONS
37	Cytobrush: A tool for sequential evaluation of gene expression in bovine endometrium. <i>Reproduction in Domestic Animals</i> , 2017, 52, 1153-1157.	0.6	21
38	Early pregnancy-induced transcripts in peripheral blood immune cells in <i>Bos indicus</i> heifers. <i>Scientific Reports</i> , 2020, 10, 13733.	1.6	21
39	Effects of Serum Deprivation and Cycloheximide on Cell Cycle of Low and High Passage Porcine Fetal Fibroblasts. <i>Reproduction in Domestic Animals</i> , 2007, 42, 660-663.	0.6	20
40	Short-term urea feeding decreases in vitro hatching of bovine blastocysts. <i>Theriogenology</i> , 2011, 76, 312-319.e1.	0.9	19
41	Global gene expression in the bovine corpus luteum is altered after stimulatory and superovulatory treatments. <i>Reproduction, Fertility and Development</i> , 2013, 25, 998.	0.1	19
42	Intracellular regulation of endometrial PGF2a and PGE2 production in dairy cows during early pregnancy and following treatment with recombinant interferon- γ . <i>Domestic Animal Endocrinology</i> , 2000, 18, 199-216.	0.8	18
43	Manifestation of estrous behavior and subsequent progesterone concentration at timed-embryo transfer in cattle are positively associated with pregnancy success of recipients. <i>Animal Reproduction Science</i> , 2014, 151, 85-90.	0.5	18
44	Spatio-specific regulation of endocrine-responsive gene transcription by periovulatory endocrine profiles in the bovine reproductive tract. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1533.	0.1	18
45	Conceptus-modulated innate immune function during early pregnancy in ruminants: a review. <i>Animal Reproduction</i> , 2021, 18, e20200048.	0.4	18
46	Perturbations in the uterine luminal fluid composition are detrimental to pregnancy establishment in cattle. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 70.	2.1	17
47	Type I interferon receptors and interferon- γ -stimulated genes in peripheral blood mononuclear cells and polymorphonuclear leucocytes during early pregnancy in beef heifers. <i>Reproduction, Fertility and Development</i> , 2020, 32, 953.	0.1	17
48	Immunohistochemical Detection of Receptors for Oestrogen and Progesterone in Endometrial Glands and Stroma during the Oestrous Cycle in Nelore (<i>Bos taurus indicus</i>) Cows. <i>Reproduction in Domestic Animals</i> , 2008, 43, 415-421.	0.6	16
49	Comparison of Growth Hormone-Releasing Factor and Somatotropin: Lipid and Glucose Metabolism in Dairy Cows. <i>Journal of Dairy Science</i> , 1995, 78, 2159-2166.	1.4	15
50	Canine corpus luteum regression: Apoptosis and caspase-3 activity. <i>Theriogenology</i> , 2006, 66, 1448-1453.	0.9	15
51	Improved Production of Genetically Modified Fetuses with Homogeneous Transgene Expression After Transgene Integration Site Analysis and Recloning in Cattle. <i>Cellular Reprogramming</i> , 2011, 13, 29-36.	0.5	15
52	Modulation of periovulatory endocrine profiles in beef cows: consequences for endometrial glucose transporters and uterine fluid glucose levels. <i>Domestic Animal Endocrinology</i> , 2015, 50, 83-90.	0.8	15
53	Impact of estradiol cypionate prior to TAI and progesterone supplementation at initial diestrus on ovarian and fertility responses in beef cows. <i>Theriogenology</i> , 2017, 104, 156-163.	0.9	15
54	In vitro PGF2 α production by endometrium and corpus luteum explants from pregnant and nonpregnant diestrus bitches and placental explants from pregnant bitches. <i>Theriogenology</i> , 2006, 66, 1442-1447.	0.9	14

#	ARTICLE	IF	CITATIONS
55	Ovarian function in Nelore (<i>Bos taurus indicus</i>) cows after post-ovulation hormonal treatments. <i>Theriogenology</i> , 2008, 69, 798-804.	0.9	13
56	Impact of hormonal modulation at proestrus on ovarian responses and uterine gene expression of suckled anestrous beef cows. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 79.	2.1	13
57	Heat loss efficiency and HSPs gene expression of Nelore cows in tropical climate conditions. <i>International Journal of Biometeorology</i> , 2019, 63, 1475-1486.	1.3	13
58	Effects of flunixin meglumine, recombinant bovine somatotropin and/or human chorionic gonadotropin on pregnancy rates in Nelore cows. <i>Theriogenology</i> , 2011, 76, 751-758.	0.9	12
59	Importance of body condition score and ovarian activity on determining the fertility in beef cows supplemented with long-acting progesterone after timed-AI. <i>Animal Reproduction Science</i> , 2018, 198, 27-36.	0.5	12
60	Efficacy of linear and convex transducers for ultrasound-guided transvaginal follicle aspiration. <i>Theriogenology</i> , 2003, 59, 1435-1440.	0.9	11
61	Vascular endothelial growth factor A (VEGFA) modulates bovine placenta steroidogenesis in vitro. <i>Placenta</i> , 2012, 33, 788-794.	0.7	11
62	Sex steroids modulate morphological and functional features of the bovine oviduct. <i>Cell and Tissue Research</i> , 2017, 370, 319-333.	1.5	11
63	Steroidal Regulation of Oviductal microRNAs Is Associated with microRNA-Processing in Beef Cows. <i>International Journal of Molecular Sciences</i> , 2021, 22, 953.	1.8	11
64	Molecular interactions at the bovine embryo-endometrial epithelium interface. <i>Reproduction</i> , 2020, 160, 887-903.	1.1	11
65	Supplemental progesterone induces temporal changes in luteal development and endometrial transcription in beef cattle. <i>Domestic Animal Endocrinology</i> , 2019, 68, 126-134.	0.8	10
66	Effect of a puberty induction protocol based on injectable long acting progesterone on pregnancy success of beef heifers serviced by TAI. <i>Theriogenology</i> , 2020, 154, 128-134.	0.9	10
67	Effects of inbreeding on ovarian responses and embryo production from superovulated Mantiqueira breed cows. <i>Theriogenology</i> , 2005, 64, 1669-1676.	0.9	9
68	Xenotransplantation of canine spermatogonial stem cells (cSSCs) regulated by FSH promotes spermatogenesis in infertile mice. <i>Stem Cell Research and Therapy</i> , 2019, 10, 135.	2.4	9
69	Identification and characterization of proteins synthesized de novo and secreted by the reproductive tract of the American alligator, <i>Alligator mississippiensis</i> . <i>Reproduction</i> , 1999, 115, 201-213.	1.1	8
70	Regulation of the polyamine metabolic pathway in the endometrium of cows during early diestrus. <i>Molecular Reproduction and Development</i> , 2014, 81, 584-594.	1.0	8
71	Calcium potentiates the effect of estradiol on PGF ₂ ± production in the bovine endometrium. <i>Journal of Animal Science and Biotechnology</i> , 2014, 5, 25.	2.1	8
72	Impact of Probing the Reproductive Tract During Early Pregnancy on Fertility of Beef Cows. <i>Reproduction in Domestic Animals</i> , 2014, 49, e35-e39.	0.6	8

#	ARTICLE	IF	CITATIONS
73	Peri-ovulatory endocrine regulation of the prostanoid pathways in the bovine uterus at early dioestrus. <i>Reproduction, Fertility and Development</i> , 2017, 29, 544.	0.1	8
74	Oviductal transcriptional profiling of a bovine fertility model by next-generation sequencing. <i>Genomics Data</i> , 2017, 13, 27-29.	1.3	8
75	Sex steroids drive the remodeling of oviductal extracellular matrix in cattle. <i>Biology of Reproduction</i> , 2018, 99, 590-599.	1.2	8
76	Elevated progesterone concentrations enhance prostaglandin F ₂ synthesis in dairy cows. <i>Animal Reproduction Science</i> , 2009, 114, 62-71.	0.5	7
77	Timing of maternal supplementation of dried distillers grains during late gestation influences postnatal growth, immunocompetence, and carcass characteristics of <i>Bos indicus</i> -influenced beef calves. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	7
78	Progesterone-dependent and progesterone-independent modulation of luminal epithelial transcription to support pregnancy in cattle. <i>Physiological Genomics</i> , 2022, 54, 71-85.	1.0	7
79	Effects of maternal winter vs. year-round supplementation of protein and energy on postnatal growth, immune function, and carcass characteristics of <i>Bos indicus</i> -influenced beef offspring. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	7
80	Luteal Function and Follicular Growth Following Follicular Aspiration During the Peri-Luteolysis Period in <i>Bos indicus</i> and Crossbred Cattle. <i>Reproduction in Domestic Animals</i> , 2012, 47, 319-327.	0.6	6
81	Sperm-mediated gene transfer: effect on bovine <i>in vitro</i> embryo production. <i>Zygote</i> , 2013, 21, 325-329.	0.5	6
82	Supplementation with long-acting progesterone in early diestrus in beef cattle: I. effect of artificial insemination on onset of luteolysis. <i>Domestic Animal Endocrinology</i> , 2019, 67, 63-70.	0.8	6
83	Peri-estrus ovarian, uterine, and hormonal variables determine the uterine luminal fluid metabolome in beef heifers. <i>Biology of Reproduction</i> , 2021, 105, 1140-1153.	1.2	6
84	Supplementation with long-acting progesterone in early diestrus in beef cattle: II. Relationships between follicle growth dynamics and luteolysis. <i>Domestic Animal Endocrinology</i> , 2019, 68, 1-10.	0.8	5
85	Puberty attainment and reproductive performance of yearling <i>Bos indicus</i> -influenced heifers after two sequential treatments with progesterone. <i>Animal Reproduction Science</i> , 2021, 231, 106803.	0.5	4
86	Unravelling the role of 17 β -estradiol on advancing uterine luteolytic cascade in cattle. <i>Domestic Animal Endocrinology</i> , 2022, 78, 106653.	0.8	4
87	Inhibition of phorbol ester-induced PGF ₂ secretion by IFN- γ , is not through regulation of protein kinase C. <i>Prostaglandins and Other Lipid Mediators</i> , 2004, 74, 87-99.	1.0	3
88	Culture of endometrial epithelial cells collected by a cytological brush in vivo. <i>JDS Communications</i> , 2022, 3, 217-221.	0.5	3
89	Endocrine and physiological events from ovulation to establishment of pregnancy in cattle. <i>BSAP Occasional Publication</i> , 2001, 26, 81-91.	0.0	2
90	Storage of Bovine Reproductive Tissues and RNA Extracts on Ice for 24h or Repeated Freeze-Thaw Cycles do not Affect RNA Integrity. <i>Reproduction in Domestic Animals</i> , 2014, 49, e9-e11.	0.6	2

#	ARTICLE	IF	CITATIONS
91	Gene expression profiling by high throughput sequencing to determine signatures for the bovine receptive uterus at early gestation. <i>Genomics Data</i> , 2015, 5, 94-96.	1.3	2
92	Exacerbated conceptus signaling does not favor establishment of pregnancy in beef cattle. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 87.	2.1	2
93	Stair-step strategy and immunomodulatory feed ingredient supplementation for grazing heat-stressed <i>Bos indicus</i> -influenced beef heifers. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	2
94	13,14-Dihydro-15-Keto Prostaglandin F ₂ Release in Response to Oxytocin Challenge Early Post-Partum in Anoestrous Nelore Cows Submitted to Temporary Calf Removal and Progesterone Priming. <i>Reproduction in Domestic Animals</i> , 2009, 45, 881-7.	0.6	1
95	Neither bovine somatotropin nor growth hormone-releasing factor alters expression of thyroid hormone receptors in liver and mammary tissues. <i>Journal of Dairy Science</i> , 2011, 94, 4915-4921.	1.4	1
96	An EMSC-type approach for classification of bivariate MALDI-MS data and identification of high fertility markers. <i>Environmetrics</i> , 2019, 30, e2544.	0.6	1
97	46 RECLONING USING TRANSGENIC FETAL FIBROBLASTS AS NUCLEI DONORS INCREASES DEVELOPMENTAL POTENTIAL OF RECONSTRUCTED EMBRYOS IN CATTLE. <i>Reproduction, Fertility and Development</i> , 2010, 22, 180.	0.1	1
98	Effects of Ethanol on Synthesis of Prostaglandin F ₂ in Bovine Females. <i>Reproduction in Domestic Animals</i> , 2009, 45, 846-50.	0.6	0
99	Endometrial prostaglandin F ₂ in vitro production and its modulation regarding dominant follicle position in cattle. <i>Brazilian Journal of Veterinary Research and Animal Science</i> , 2018, 55, e133937.	0.2	0
100	Use of protein kinase C and phospholipase A2 inhibitors in bovine endometrial cells treated with estradiol and calcium ionophore. <i>Brazilian Journal of Veterinary Research and Animal Science</i> , 0, 58, e174355.	0.2	0
101	Calculating Reproductive Performance in Beef Operations: The University of Florida Beef Herds' 2019 Breeding Season. <i>Edis</i> , 2021, 2021, .	0.0	0
102	410 USE OF SPERMATOZOA AS VECTORS OF EXOGENOUS DNA FOR IN VITRO PRODUCTION OF BOVINE TRANSGENIC EMBRYOS. <i>Reproduction, Fertility and Development</i> , 2007, 19, 320.	0.1	0
103	299 DEVELOPMENTAL COMPETENCE OF TRANSGENIC BOVINE EMBRYOS RECONSTRUCTED BY NUCLEAR TRANSFER USING MEIOSIS-BLOCKED OOCYTES. <i>Reproduction, Fertility and Development</i> , 2008, 20, 229.	0.1	0
104	114 THE LIPID COMPOSITION OF THE FOLLICULAR FLUID ON DAY 6 POST-AI MAY BE ASSOCIATED WITH THE GESTATIONAL SUCCESS IN NELORE COWS. <i>Reproduction, Fertility and Development</i> , 2013, 25, 204.	0.1	0
105	112 INFLUENCE OF LOW-VOLUME UTERINE FLUSHING ON UTERINE VASCULAR PERFUSION AND ENDOMETRIAL THICKNESS DURING EARLY DIOESTRUS IN BEEF CATTLE. <i>Reproduction, Fertility and Development</i> , 2013, 25, 203.	0.1	0
106	177 EFFECTS OF MANIPULATION OF DOMINANT FOLLICLE GROWTH ON SIZE AND FUNCTION OF CORPUS LUTEUM IN BEEF CATTLE. <i>Reproduction, Fertility and Development</i> , 2013, 25, 237.	0.1	0
107	Reproductive Tract Score: A Tool for Evaluating Beef Heifer Reproductive Potential. <i>Edis</i> , 2021, 2021, .	0.0	0
108	Calculating Calf Performance in Beef Operations: The University of Florida Beef Herds in the 2019-2020 Calving Season. <i>Edis</i> , 2022, 2022, .	0.0	0

#	ARTICLE	IF	CITATIONS
109	Analysis of the USDA's 2017 Cow-Calf Management Practices Results: Part 1 "Calf Crop and Calving Distribution. Edis, 2021, 2021, .	0.0	0
110	Analysis of the USDA's 2017 Cow-Calf Management Practices Results: Part 2 "Breeding Practices/Reproductive Technologies. Edis, 2021, 2021, .	0.0	0