

Mariusz P Kowalewski

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91
papers

1,467
citations

23
h-index

34
g-index

95
ext. papers

1,885
ext. citations

2.9
avg, IF

4.89
L-index

#	Paper	IF	Citations
91	Expression of cyclooxygenase 1 and 2 in the canine corpus luteum during diestrus. <i>Theriogenology</i> , 2006 , 66, 1423-30	2.8	86
90	Canine placenta: a source of prepartal prostaglandins during normal and antiprogesterin-induced parturition. <i>Reproduction</i> , 2010 , 139, 655-64	3.8	69
89	Regulation of corpus luteum-function in the bitch. <i>Reproduction in Domestic Animals</i> , 2004 , 39, 232-40	1.6	67
88	Time related changes in luteal prostaglandin synthesis and steroidogenic capacity during pregnancy, normal and antiprogesterin induced luteolysis in the bitch. <i>Animal Reproduction Science</i> , 2009 , 116, 129-38	2.1	61
87	Luteal regression vs. prepartum luteolysis: regulatory mechanisms governing canine corpus luteum function. <i>Reproductive Biology</i> , 2014 , 14, 89-102	2.3	52
86	Characterization of the canine 3beta-hydroxysteroid dehydrogenase and its expression in the corpus luteum during diestrus. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2006 , 101, 254-62	5.1	52
85	Expression and functional implications of peroxisome proliferator-activated receptor gamma (PPAR γ) in canine reproductive tissues during normal pregnancy and parturition and at antiprogesterin induced abortion. <i>Theriogenology</i> , 2011 , 75, 877-86	2.8	50
84	Mitochondrial A-kinase anchoring protein 121 binds type II protein kinase A and enhances steroidogenic acute regulatory protein-mediated steroidogenesis in MA-10 mouse leydig tumor cells. <i>Biology of Reproduction</i> , 2008 , 78, 267-77	3.9	49
83	The differential regulation of steroidogenic acute regulatory protein-mediated steroidogenesis by type I and type II PKA in MA-10 cells. <i>Molecular and Cellular Endocrinology</i> , 2009 , 300, 94-103	4.4	42
82	Involvement of peroxisome proliferator-activated receptor gamma in gonadal steroidogenesis and steroidogenic acute regulatory protein expression. <i>Reproduction, Fertility and Development</i> , 2009 , 21, 909-22	1.8	40
81	Prostaglandin E2 functions as a luteotrophic factor in the dog. <i>Reproduction</i> , 2013 , 145, 213-26	3.8	39
80	Biosynthesis and degradation of canine placental prostaglandins: prepartum changes in expression and function of prostaglandin F $_2$ synthase (PGFS, AKR1C3) and 15-hydroxyprostaglandin dehydrogenase (HPGD). <i>Biology of Reproduction</i> , 2013 , 89, 2	3.9	39
79	Expression of cyclooxygenase-II (COX-II) and 20alpha-hydroxysteroid dehydrogenase (20alpha-HSD)/prostaglandin F-synthase (PGFS) in bovine placentomes: implications for the initiation of parturition in cattle. <i>Placenta</i> , 2006 , 27, 1022-9	3.4	35
78	Luteal and placental function in the bitch: spatio-temporal changes in prolactin receptor (PRLr) expression at dioestrus, pregnancy and normal and induced parturition. <i>Reproductive Biology and Endocrinology</i> , 2011 , 9, 109	5	34
77	Canine prostaglandin E2 synthase (PGES) and its receptors (EP2 and EP4): expression in the corpus luteum during dioestrus. <i>Animal Reproduction Science</i> , 2008 , 109, 319-29	2.1	34
76	Prostaglandin F $_2$ promotes angiogenesis and embryo-maternal interactions during implantation. <i>Reproduction</i> , 2016 , 151, 539-52	3.8	34
75	Canine prostaglandin F $_2$ alpha receptor (FP) and prostaglandin F $_2$ alpha synthase (PGFS): molecular cloning and expression in the corpus luteum. <i>Animal Reproduction Science</i> , 2008 , 107, 161-75	2.1	33

74	Steroidogenic capacity of the placenta as a supplemental source of progesterone during pregnancy in domestic cats. <i>Reproductive Biology and Endocrinology</i> , 2012 , 10, 89	5	30
73	The role of hypoxia and HIF1 α in the regulation of STAR-mediated steroidogenesis in granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2015 , 401, 35-44	4.4	28
72	Formation of the early canine CL and the role of prostaglandin E2 (PGE2) in regulation of its function: an in vivo approach. <i>Theriogenology</i> , 2015 , 83, 1038-47	2.8	27
71	Uterine and placental expression of canine oxytocin receptor during pregnancy and normal and induced parturition. <i>Reproduction in Domestic Animals</i> , 2014 , 49 Suppl 2, 41-9	1.6	25
70	Expression and localization of vascular endothelial growth factor A (VEGFA) and its two receptors (VEGFR1/FLT1 and VEGFR2/FLK1/KDR) in the canine corpus luteum and utero-placental compartments during pregnancy and at normal and induced parturition. <i>General and Comparative Endocrinology</i> , 2015 , 223, 54-65	3	24
69	Endocrine and molecular control of luteal and placental function in dogs: a review. <i>Reproduction in Domestic Animals</i> , 2012 , 47 Suppl 6, 19-24	1.6	23
68	Canine placental prostaglandin E2 synthase: expression, localization, and biological functions in providing substrates for prepartum PGF2 α synthesis. <i>Biology of Reproduction</i> , 2014 , 91, 154	3.9	21
67	Different expression of leptin and IGF1 in the adult and prepubertal testis in dogs. <i>Reproduction in Domestic Animals</i> , 2017 , 52 Suppl 2, 187-192	1.6	19
66	The Dog: Nonconformist, Not Only in Maternal Recognition Signaling. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2015 , 216, 215-37	1.2	18
65	In vitro decidualisation of canine uterine stromal cells. <i>Reproductive Biology and Endocrinology</i> , 2015 , 13, 85	5	18
64	Leptin in the canine uterus and placenta: possible implications in pregnancy. <i>Reproductive Biology and Endocrinology</i> , 2015 , 13, 13	5	16
63	Vasoactive intestinal peptide (VIP)-mediated expression and function of steroidogenic acute regulatory protein (StAR) in granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2010 , 328, 93-103	4.4	16
62	Bovine placental steroid sulphatase: molecular cloning and expression pattern in placentomes during gestation and at parturition. <i>Placenta</i> , 2007 , 28, 889-97	3.4	16
61	Decidualization of the canine uterus: From early until late gestational in vivo morphological observations, and functional characterization of immortalized canine uterine stromal cell lines. <i>Reproduction in Domestic Animals</i> , 2017 , 52 Suppl 2, 137-147	1.6	15
60	Glucose transporter 1 expression accompanies hypoxia sensing in the cyclic canine corpus luteum. <i>Reproduction</i> , 2014 , 147, 81-9	3.8	15
59	Uterine and placental distribution of selected extracellular matrix (ECM) components in the dog. <i>Reproduction</i> , 2018 , 155, 403-421	3.8	14
58	Uterine responses to early pre-attachment embryos in the domestic dog and comparisons with other domestic animal species. <i>Biology of Reproduction</i> , 2017 , 97, 197-216	3.9	14
57	Functional implications of the utero-placental relaxin (RLN) system in the dog throughout pregnancy and at term. <i>Reproduction</i> , 2017 , 154, 415-431	3.8	14

56	Transcriptome analysis reveals differences in mechanisms regulating cessation of luteal function in pregnant and non-pregnant dogs. <i>BMC Genomics</i> , 2017 , 18, 757	4.5	14
55	Endocrine control of canine mammary neoplasms: serum reproductive hormone levels and tissue expression of steroid hormone, prolactin and growth hormone receptors. <i>BMC Veterinary Research</i> , 2015 , 11, 235	2.7	14
54	In vivo investigations on luteotropic activity of prostaglandins during early diestrus in nonpregnant bitches. <i>Theriogenology</i> , 2014 , 82, 915-20	2.8	13
53	Expression and functional implications of luteal endothelins in pregnant and non-pregnant dogs. <i>Reproduction</i> , 2015 , 150, 405-15	3.8	12
52	Canine conceptus-maternal communication during maintenance and termination of pregnancy, including the role of species-specific decidualization. <i>Theriogenology</i> , 2020 , 150, 329-338	2.8	12
51	Luteal and hypophyseal expression of the canine relaxin (RLN) system during pregnancy: Implications for luteotropic function. <i>PLoS ONE</i> , 2018 , 13, e0191374	3.7	12
50	Interplacental uterine expression of genes involved in prostaglandin synthesis during canine pregnancy and at induced parturition luteolysis/abortion. <i>Reproductive Biology and Endocrinology</i> , 2014 , 12, 46	5	12
49	Prostaglandin endoperoxide synthase 2 (PTGS2) and prostaglandins F ₂ and E ₂ synthases (PGFS and PGES) expression and prostaglandin F ₂ and E ₂ secretion following oestrogen and/or progesterone stimulation of the feline endometrium. <i>Reproduction in Domestic Animals</i> , 2013 , 48, 72-8	1.6	12
48	TRPV6 and Calbindin-D9k-expression and localization in the bovine uterus and placenta during pregnancy. <i>Reproductive Biology and Endocrinology</i> , 2012 , 10, 66	5	12
47	Expression patterns of intestinal calcium transport factors and ex-vivo absorption of calcium in horses. <i>BMC Veterinary Research</i> , 2011 , 7, 65	2.7	12
46	Placental origin of prostaglandin F ₂ in the domestic cat. <i>Mediators of Inflammation</i> , 2014 , 2014, 364787	4.3	11
45	Cells expressing CD4, CD8, MHCII and endoglin in the canine corpus luteum of pregnancy, and parturition activation of the luteal TNF system. <i>Theriogenology</i> , 2017 , 98, 123-132	2.8	10
44	Factors affecting the fate of the canine corpus luteum: Potential contributors to pregnancy and non-pregnancy. <i>Theriogenology</i> , 2020 , 150, 339-346	2.8	10
43	Leptin and leptin receptor gene expression in the canine corpus luteum during diestrus, pregnancy and after aglepristone-induced luteolysis. <i>Reproduction in Domestic Animals</i> , 2012 , 47 Suppl 6, 40-2	1.6	10
42	Gene expression profiling of the canine placenta during normal and antigestagen-induced luteolysis. <i>General and Comparative Endocrinology</i> , 2019 , 282, 113194	3	9
41	Synthesis and reception of prostaglandins in corpora lutea of domestic cat and lynx. <i>Reproduction</i> , 2016 , 152, 111-26	3.8	9
40	Expression of prolactin receptors in normal canine mammary tissue, canine mammary adenomas and mammary adenocarcinomas. <i>BMC Veterinary Research</i> , 2012 , 8, 72	2.7	9
39	GnRH and its receptor (GnRH-R) are expressed in the canine placenta and uterus. <i>Theriogenology</i> , 2015 , 84, 1482-9	2.8	8

38	LPS-challenged TNF α production, prostaglandin secretion, and TNF/TNFRs expression in the endometrium of domestic cats in estrus or diestrus, and in cats with pyometra or receiving medroxyprogesterone acetate. <i>Mediators of Inflammation</i> , 2014 , 2014, 689280	4.3	8
37	Prostaglandin-mediated effects in early canine corpus luteum: In vivo effects on vascular and immune factors. <i>Reproductive Biology</i> , 2019 , 19, 100-111	2.3	7
36	Elevated utero/placental GR/NR3C1 is not required for the induction of parturition in the dog. <i>Reproduction</i> , 2016 , 152, 303-11	3.8	7
35	Hypoxia-inducible factor (HIF1 α) inhibition modulates cumulus cell function and affects bovine oocyte maturation in vitro <i>Biology of Reproduction</i> , 2021 , 104, 479-491	3.9	7
34	Expression of insulin-like growth factor 1 and its receptor in preovulatory follicles and in the corpus luteum in the bitch. <i>General and Comparative Endocrinology</i> , 2018 , 269, 68-74	3	6
33	Regulation of Corpus Luteum Function in the Domestic Dog (<i>Canis familiaris</i>) and Comparative Aspects of Luteal Function in the Domestic Cat (<i>Felis catus</i>) 2017 , 133-157		5
32	Global Transcriptomic Analysis of the Canine (CL) During the First Half of Diestrus and Changes Induced by Inhibition of Prostaglandin Synthase 2 (PTGS2/COX2). <i>Frontiers in Endocrinology</i> , 2019 , 10, 715	5.7	5
31	Uterine and placental expression of HPGD in cows during pregnancy and release of fetal membranes. <i>Prostaglandins and Other Lipid Mediators</i> , 2017 , 128-129, 17-26	3.7	4
30	Canine decidualization in vitro: extracellular matrix modification, progesterone mediated effects and selective blocking of prostaglandin E2 receptors. <i>Journal of Reproduction and Development</i> , 2020 , 66, 319-329	2.1	4
29	Uterine expression of smooth muscle alpha- and gamma-actin and smooth muscle myosin in bitches diagnosed with uterine inertia and obstructive dystocia. <i>Theriogenology</i> , 2020 , 156, 162-170	2.8	4
28	Cellular localization, expression and functional implications of the utero-placental endothelin system during maintenance and termination of canine gestation. <i>Journal of Reproduction and Development</i> , 2017 , 63, 235-245	2.1	3
27	Global transcriptome analysis implicates cholesterol availability in the regulation of canine cyclic luteal function. <i>General and Comparative Endocrinology</i> , 2021 , 307, 113759	3	3
26	Seasonal expression of insulin-like growth factor 1 (IGF-1), its receptor IGF-1R and klotho in testis and epididymis of the European bison (<i>Bison bonasus</i> , Linnaeus 1758). <i>Theriogenology</i> , 2019 , 126, 199-205	2.8	3
25	Selected Comparative Aspects of Canine Female Reproductive Physiology 2018 , 682-691		3
24	Angiopietin expression in ovine corpora lutea during the luteal phase: Effects of nutrition, arginine and follicle stimulating hormone. <i>General and Comparative Endocrinology</i> , 2018 , 269, 131-140	3	3
23	Expression of GnRH receptor in the canine corpus luteum, and luteal function following deslorelin acetate-induced puberty delay. <i>Reproduction in Domestic Animals</i> , 2017 , 52, 1104-1112	1.6	2
22	Luteal ANGPT-TIE system during selected stages of pregnancy, and normal and antigestagen-induced luteolysis in the dog. <i>Reproduction</i> , 2018 , 156, 451-461	3.8	2
21	Endometrial luminal epithelial cells sense embryo elongation in the roe deer independent of interferon-tau <i>Biology of Reproduction</i> , 2019 , 101, 882-892	3.9	2

20	Progesterone receptor blockers: historical perspective, mode of function and insights into clinical and scientific applications. <i>Tierärztliche Praxis Ausgabe K: Kleintiere - Heimtiere</i> , 2020 , 48, 433-440	0.6	2
19	Determination of novel reference genes for improving gene expression data normalization in selected canine reproductive tissues - a multistudy analysis. <i>BMC Veterinary Research</i> , 2020 , 16, 440	2.7	2
18	Do uterine PTGS2, PGFS, and PTGFR expression play a role in canine uterine inertia?. <i>Cell and Tissue Research</i> , 2021 , 385, 251-264	4.2	2
17	Macrophages in bovine term placenta: An ultrastructural and molecular study. <i>Reproduction in Domestic Animals</i> , 2021 , 56, 1243-1253	1.6	2
16	Selected Uterine Immune Events Associated With the Establishment of Pregnancy in the Dog. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 625921	3.1	2
15	Systematic review and meta-analysis of the clinical effectiveness of point-of-care testing for anticoagulation management during ECMO. <i>Journal of Clinical Anesthesia</i> , 2021 , 73, 110330	1.9	2
14	Luteal expression of factors involved in the metabolism and sensitivity to oestrogens in the dog during pregnancy and in non-pregnant cycle. <i>Reproduction in Domestic Animals</i> , 2021 ,	1.6	1
13	Transcriptional regulation of HIF1 α -mediated STAR expression in murine KK1 granulosa cell line involves cJUN, CREB and CBP-dependent pathways. <i>General and Comparative Endocrinology</i> , 2022 , 315, 113923	3	1
12	Verifying the placement and length of feeding tubes in canine and feline neonates. <i>BMC Veterinary Research</i> , 2021 , 17, 208	2.7	1
11	Plane of nutrition and FSH-induced superovulation affect the expression of steroid hormone receptors and growth factors in caruncular tissue of non-pregnant sheep. <i>Domestic Animal Endocrinology</i> , 2022 , 78, 106683	2.3	1
10	Anti-Müllerian hormone, testosterone, and insulin-like peptide 3 as biomarkers of Sertoli and Leydig cell function during deslorelin-induced testicular downregulation in the dog. <i>Theriogenology</i> , 2021 , 175, 100-110	2.8	1
9	Utero-Placental Immune Milieu during Normal and Aglepristone-Induced Parturition in the Dog.. <i>Animals</i> , 2021 , 11,	3.1	1
8	Lipopolysaccharide disrupts gap junctional intercellular communication in an immortalized ovine luteal endothelial cell line. <i>Toxicology in Vitro</i> , 2019 , 60, 437-449	3.6	0
7	Insulin induces steroidogenesis in canine luteal cells via PI3K-MEK-MAPK. <i>Molecular and Cellular Endocrinology</i> , 2021 , 540, 111518	4.4	0
6	The involvement of hypoxia-inducible factor 1 α (HIF1 α)-stabilising factors in steroidogenic acute regulatory (STAR) protein-dependent steroidogenesis in murine KK1 granulosa cells in vitro. <i>Reproduction, Fertility and Development</i> , 2021 , 33, 865-880	1.8	0
5	Canine Endotheliochorial Placenta: Morpho-Functional Aspects. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2021 , 234, 155-179	1.2	0
4	Implications of the RhoA/Rho associated kinase pathway and leptin in primary uterine inertia in the dog. <i>Journal of Reproduction and Development</i> , 2021 , 67, 207-215	2.1	0
3	Glucocorticoid Receptor Beta and Its Prognostic Value on Treatment Response in Chronic Vulvar Dermatitis. <i>Skin Pharmacology and Physiology</i> , 2021 , 34, 30-37	3	0

- 2 The Differential Regulation of STAR-Mediated Steroidogenesis by Type I and Type II PKA.. *Biology of Reproduction*, **2008**, 78, 200-201 3.9
- 1 Effects of ACTH-Induced Long-Term Hypercortisolism on the Transcriptome of Canine Visceral Adipose Tissue. *Veterinary Sciences*, **2022**, 9, 250 2.4