Jan Kotwica

List of Publications by Year
in descending order

92	1,647	257101 24	395343 33
papers	citations	h-index	g-index

93	93	93	1207
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanisms of the direct effects of oil-related contaminants on ovarian cells. Environmental Science and Pollution Research, 2020, 27, 5314-5322.	2.7	18
2	Progesterone Receptor Coregulators as Factors Supporting the Function of the Corpus Luteum in Cows. Genes, 2020, 11, 923.	1.0	7
3	Interrelationships between metabolic hormones, leptin and ghrelin, and oil-related contaminants in control of oxytocin and prostaglandin F release by feline ovaries. Reproductive Biology, 2020, 20, 254-258.	0.9	9
4	Expression of membrane progestin receptors (mPRs) Î±, Î² and Î³ in the bovine uterus during the oestrous cycle and pregnancy. Theriogenology, 2019, 140, 171-179.	0.9	13
5	Apoptosis signal-regulating kinase (ASK-1) controls ovarian cell functions. Reproduction, Fertility and Development, 2019, 31, 1657.	0.1	5
6	The involvement of the phosphorylatable and nonphosphorylatable transcription factor CREB-1 in the control of human ovarian cell functions. Comptes Rendus - Biologies, 2019, 342, 90-96.	0.1	8
7	Transcription factor p53 regulates healthy human ovarian cells function. Comptes Rendus - Biologies, 2019, 342, 186-191.	0.1	2
8	Effects of benzene, quercetin, and their combination on porcine ovarian cell proliferation, apoptosis, and hormone release. Archives Animal Breeding, 2019, 62, 345-351.	0.5	17
9	Expression of membrane progestin receptors (mPRs) in the bovine corpus luteum during the estrous cycle and first trimester of pregnancy. Domestic Animal Endocrinology, 2018, 63, 69-76.	0.8	13
10	Methylation of progesterone receptor isoform A and B promoters in the reproductive system of cows. Reproduction, Fertility and Development, 2018, 30, 1634.	0.1	2
11	The protein expression disorders of connexins (Cx26, Cx32 and Cx43) and keratin 8 in bovine placenta under the influence of DDT, DDE and PCBs. Polish Journal of Veterinary Sciences, 2018, 21, 721-729.	0.2	3
12	Changes in the mRNA expression of structural proteins, hormone synthesis and secretion from bovine placentome sections after DDT and DDE treatment. Toxicology, 2017, 375, 1-9.	2.0	9
13	The expression of progesterone receptor coregulators mRNA and protein in corpus luteum and endometrium of cows during the estrous cycle. Animal Reproduction Science, 2017, 183, 102-109.	0.5	13
14	Yucca schidigera can promote rabbit growth, fecundity, affect the release of hormones in vivo and in vitro , induce pathological changes in liver, and reduce ovarian resistance to benzene. Animal Reproduction Science, 2017, 183, 66-76.	0.5	19
15	Disorders in barrier protein mRNA expression and placenta secretory activity under the influence of polychlorinated biphenyls inÂvitro. Theriogenology, 2017, 89, 9-19.	0.9	5
16	Steroid Hormone Receptors in the Corpus Luteum. , 2017, , 79-97.		0
17	Mink aging is associated with a reduction in ovarian hormone release and the response to FSH and ghrelin. Theriogenology, 2016, 86, 1175-1181.	0.9	7
18	Aging influences steroid hormone release by mink ovaries and their response to leptin and IGF-I. Biology Open, 2016, 5, 174-177.	0.6	2

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19	Luteotropic and luteolytic factors regulate mRNA and protein expression of progesterone receptor isoforms A and B in the bovine endometrium. Reproduction, Fertility and Development, 2016, 28, 907.	0.1	6
20	Expression and immunolocalization of membrane progesterone receptors in the bovine oviduct. Domestic Animal Endocrinology, 2016, 55, 83-96.	0.8	20
21	Short-term incubation of bovine placentome sections as a tool to study xenobiotic mechanism of action. Reproductive Biology, 2015, 15, 238-246.	0.9	5
22	Cloning and expression of progesterone receptor isoforms A and B in bovine corpus luteum. Reproduction, Fertility and Development, 2015, 27, 1029.	0.1	15
23	Influence of 4-hydroxylated polychlorinated biphenyls on the secretory function of bovine ovarian cells: Role of the steroidogenic factor-1 receptor. Animal Reproduction Science, 2015, 155, 89-98.	0.5	1
24	Onapristone (ZK299) and mifepristone (RU486) regulate the messenger RNA and protein expression levels of the progesterone receptor isoforms A and B in the bovine endometrium. Theriogenology, 2015, 84, 348-357.	0.9	9
25	The adverse effects of aldrin and dieldrin on both myometrial contractions and the secretory functions of bovine ovaries and uterus in vitro. Toxicology and Applied Pharmacology, 2015, 285, 23-31.	1.3	24
26	Impairment of uterine smooth muscle contractions and prostaglandin secretion from cattle myometrium and corpus luteum in vitro is influenced by DDT, DDE and HCH. Environmental Research, 2014, 132, 54-61.	3.7	16
27	The orphan nuclear receptor SF-1 is involved in the effect of PCBs, DDT, and DDE on the secretion of steroid hormones and oxytocin from bovine luteal cells during the estrous cycle inÂvitro. Theriogenology, 2014, 81, 877-886.	0.9	5
28	Expression and localization of progesterone receptor membrane component 1 and 2 and serpine mRNA binding protein 1 in the bovine corpus luteum during the estrous cycle and the first trimester of pregnancy. Theriogenology, 2014, 82, 1086-1093.	0.9	19
29	Adverse influence of coumestrol on secretory function of bovine luteal cells in the first trimester of pregnancy. Environmental Toxicology, 2013, 28, 411-418.	2.1	9
30	The putative roles of nuclear and membrane-bound progesterone receptors in the female reproductive tract. Reproductive Biology, 2013, 13, 279-289.	0.9	53
31	The expression of Steroidogenic Factor-1 and its role in bovine steroidogenic ovarian cells during the estrus cycle and first trimester of pregnancy. Animal Reproduction Science, 2013, 138, 74-81.	0.5	11
32	Involvement of the orphan nuclear receptor SF-1 in the effect of PCBs, DDT and DDE on the secretion of steroid hormones and oxytocin from bovine granulosa cells. Animal Reproduction Science, 2013, 143, 30-37.	0.5	7
33	Expression of progesterone receptor membrane component (PGRMC) 1 and 2, serpine mRNA binding protein 1 (SERBP1) and nuclear progesterone receptor (PGR) in the bovine endometrium during the estrous cycle and the first trimester of pregnancy. Reproductive Biology, 2013, 13, 15-23.	0.9	42
34	Validation of housekeeping genes for studying differential gene expression in the bovine myometrium. Acta Veterinaria Hungarica, 2013, 61, 505-516.	0.2	19
35	Effect of cortisol on neurophysin I/oxytocin and peptidyl glycine-Î±-amidating mono-oxygenase mRNA expression in bovine luteal and granulosa cells. Polish Journal of Veterinary Sciences, 2013, 16, 231-239.	0.2	0
36	Identification of optimal housekeeping genes for examination of gene expression in bovine corpus luteum. Reproductive Biology, 2012, 12, 362-367.	0.9	38

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37	Expression of Progesterone Receptor Membrane Component 1, Serpine mRNA Binding Protein 1 and Nuclear Progesterone Receptor Isoforms A and B in the Bovine Myometrium During the Estrous Cycle and Early Pregnancy. Journal of Reproduction and Development, 2012, 58, 288-294.	0.5	18
38	The effect of DDT and its metabolite (DDE) on prostaglandin secretion from epithelial cells and on contractions of the smooth muscle of the bovine oviduct in vitro. Toxicology and Applied Pharmacology, 2012, 259, 152-159.	1.3	10
39	Transcription factor NF-ÎºB (p50/p50, p65/p65) controls porcine ovarian cells functions. Animal Reproduction Science, 2011, 128, 73-84.	0.5	23
40	The Adverse Effect of Phytoestrogens on the Synthesis and Secretion of Ovarian Oxytocin in Cattle. Reproduction in Domestic Animals, 2011, 46, 21-28.	0.6	16
41	Nuclear progesterone receptor isoforms and their functions in the female reproductive tract. Polish Journal of Veterinary Sciences, 2011, 14, 149-158.	0.2	10
42	Relationship between concentrations of progesterone, oxytocin, noradrenaline, gene expression and protein level for their receptors in corpus luteum during estrous cycle in the cow. Prostaglandins and Other Lipid Mediators, 2010, 92, 13-18.	1.0	8
43	Effect of environmental pollutants on oxytocin synthesis and secretion from corpus luteum and on contractions of uterus from pregnant cows. Toxicology and Applied Pharmacology, 2010, 247, 243-249.	1.3	30
44	Influence of polychlorinated biphenyls and their hydroxylated metabolites on prostaglandins secretion from epithelial cells of bovine oviduct, in vitro. Toxicology, 2010, 270, 85-91.	2.0	11
45	Involvement of the transcription factor STAT1 in the regulation of porcine ovarian granulosa cell functions treated and not treated with ghrelin. Reproduction, 2009, 138, 553-560.	1.1	18
46	The effect of ovarian steroids on oxytocin-stimulated secretion and synthesis of prostaglandins in bovine myometrial cells. Prostaglandins and Other Lipid Mediators, 2009, 90, 69-75.	1.0	17
47	The adverse effect of dichlorodiphenyltrichloroethane (DDT) and its metabolite (DDE) on the secretion of prostaglandins and oxytocin in bovine cultured ovarian and endometrial cells. Reproductive Toxicology, 2009, 27, 72-78.	1.3	32
48	The influence of polychlorinated biphenyls (PCBs), dichlorodiphenyltrichloroethane (DDT) and its metaboliteâ€"dichlorodiphenyldichloroethylene (DDE) on mRNA expression for NP-I/OT and PGA, involved in oxytocin synthesis in bovine granulosa and luteal cells. Reproductive Toxicology, 2009, 28, 354-358.	1.3	32
49	Involvement of prostaglandin F2Î± in the adverse effect of PCB 77 on the force of contractions of bovine myometrium. Toxicology, 2009, 262, 224-229.	2.0	19
50	Role of ghrelin in regulating rabbit ovarian function and the response to LH and IGF-I. Domestic Animal Endocrinology, 2009, 36, 162-172.	0.8	27
51	Leptin controls rabbit ovarian function in vivo and in vitro: Possible interrelationships with ghrelin. Theriogenology, 2009, 72, 765-772.	0.9	25
52	Progesterone receptor membrane component 1 (PGRMC1) gene expression in corpus luteum during the estrous cycle in cows. Reproductive Biology, 2008, 8, 291-297.	0.9	21
53	Transcription factor p53 can regulate proliferation, apoptosis and secretory activity of luteinizing porcine ovarian granulosa cell cultured with and without ghrelin and FSH. Reproduction, 2008, 136, 611-618.	1.1	45
54	Non-genomic effect of steroids on oxytocin-stimulated intracellular mobilization of calcium and on prostaglandin F2Î± and E2 secretion from bovine endometrial cells. Prostaglandins and Other Lipid Mediators, 2005, 76, 105-116.	1.0	33

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55	Effect of progesterone on the expression of bax and bcl-2 and on caspase activity in bovine luteal cells. Prostaglandins and Other Lipid Mediators, 2005, 78, 67-81.	1.0	34
56	Stimulatory effect of LH, PGE2 and progesterone on StAR protein, cytochrome P450 cholesterol side chain cleavage and 3Î² hydroxysteroid dehydrogenase gene expression in bovine luteal cells. Prostaglandins and Other Lipid Mediators, 2005, 78, 169-184.	1.0	64
57	Leptin Directly Controls Secretory Activity of Human Ovarian Granulosa Cells: Possible Inter-Relationship with the IGF/IGFBP System. Hormone Research in Paediatrics, 2005, 64, 198-202.	0.8	35
58	Effect of polychlorinated biphenyls (PCBs) on basal and OT-stimulated calcium concentrations in myometrial cells in cows. Reproductive Biology, 2005, 5, 321-30.	0.9	4
59	Thrombopoietin regulates proliferation, apoptosis, secretory activity and intracellular messengers in porcine ovarian follicular cells: involvement of protein kinase A. Journal of Endocrinology, 2004, 183, 595-604.	1.2	19
60	Role of prostaglandin E2 in basal and noradrenaline-induced progesterone secretion by the bovine corpus luteum. Prostaglandins and Other Lipid Mediators, 2003, 70, 351-359.	1.0	31
61	The concentrations of catecholamines and oxytocin receptors in the oviduct and its contractile activity in cows during the estrous cycle. Theriogenology, 2003, 60, 953-964.	0.9	33
62	Involvement of MAP kinase in the mediation of GH action on ovarian granulosa cells. Molecular and Cellular Endocrinology, 2003, 205, 193-199.	1.6	7
63	Oxytocin Mediates Some Effects of Insulin-Like Growth Factor-I on Porcine Ovarian Follicles. Journal of Reproduction and Development, 2003, 49, 141-149.	0.5	31
64	Involvement of high-density lipoprotein in stimulatory effect of hormones supporting function of the bovine corpus luteum.. Acta Veterinaria Hungarica, 2003, 51, 111-120.	0.2	8
65	Neural regulation of the bovine corpus luteum. Domestic Animal Endocrinology, 2002, 23, 299-308.	0.8	29
66	The transfection-induced overexpression of IGF-binding protein-4 affects the secretory activity of porcine ovarian granulosa cells and their response to hormones and IGF-I. Journal of Molecular Endocrinology, 2001, 26, 241-248.	1.1	6
67	Do GH, IGF-I and oxytocin interact by regulating the secretory activity of porcine ovarian cells?. Journal of Endocrinology, 2001, 171, 475-480.	1.2	14
68	Secretory activity of bovine ovarian granulosa cells transfected with sense and antisense insulin-like growth factor (IGF) binding protein-3 and the response to IGF-I, GH, LH, oxytocin and oestradiol. Journal of Molecular Endocrinology, 2001, 27, 329-338.	1.1	7
69	Mechanism of action of noradrenaline on secretion of progesterone and oxytocin by the bovine corpus luteum in vitro. Acta Veterinaria Hungarica, 2001, 49, 39-51.	0.2	14
70	Effect of four cGMP analogues with different mechanisms of action on hormone release by porcine ovarian granulosa cells in vitro. Experimental and Clinical Endocrinology and Diabetes, 2000, 108, 214-219.	0.6	14
71	Effect of cGMP analogues and protein kinase G blocker on secretory activity, apoptosis and the cAMP/protein kinase A system in porcine ovarian granulosa cells in vitro. Journal of Steroid Biochemistry and Molecular Biology, 2000, 74, 1-9.	1.2	21
72	Concentrations of catecholamines, ascorbic acid, progesterone and oxytocin in the corpora lutea of cyclic and pregnant cattle. Reproduction, Nutrition, Development, 1999, 39, 509-516.	1.9	23

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73	Noradrenaline Stimulates the Production of Prostaglandin F2Î± in Cultured Bovine Endometrial Cells1. Biology of Reproduction, 1999, 60, 277-282.	1.2	16
74	Oxytocin modulates the pulsatile secretion of prostaglandin F2Î±in initiated luteolysis in cattle. Research in Veterinary Science, 1999, 66, 1-5.	0.9	35
75	Influence of noradrenaline on progesterone synthesis and posttranslational processing of oxytocin synthesis in the bovine corpus luteum. Theriogenology, 1999, 52, 91-102.	0.9	18
76	Involvement of ovarian steroids in basal and oxytocin-stimulated prostaglandin (PG) F2Î± secretion by the bovine endometrium in vitro. Theriogenology, 1999, 52, 385-397.	0.9	56
77	Uterine secretion of prostaglandin F2Î± stimulated by different doses of oxytocin and released spontaneously during luteolysis in cattle. Reproduction, Nutrition, Development, 1998, 38, 217-226.	1.9	19
78	Changes in ovarian oxytocin secretion as an indicator of corpus luteum response to prostaglandin F2Î± treatment in cattle. Theriogenology, 1997, 48, 733-742.	0.9	30
79	The use of an oxytocin antagonist to study the function of ovarian oxytocin during luteolysis in cattle. Theriogenology, 1997, 48, 1287-1299.	0.9	43
80	Effect of Catecholamines on the Secretory Function of the Bovine Corpus Luteum. Reproduction in Domestic Animals, 1995, 30, 218-223.	0.6	2
81	Beta-Adrenergic Receptors in Corpora Lutea from Different Stages of the Estrous Cycle in Conscious and Slaughtered Cattle1. Biology of Reproduction, 1994, 50, 215-221.	1.2	18
82	Noradrenaline affects secretory function of corpus luteum independently on prostaglandins in conscious cattle. Prostaglandins, 1994, 48, 1-10.	1.2	52
83	Effect of norepinephrine on the release of progesterone and ovarian oxytocin in cattle. Animal Reproduction Science, 1991, 26, 179-191.	0.5	25
84	Effect of PGF2Î± analogue on ovarian oxytocin and progesterone release in heifers: catecholamines are not involved in this process. Animal Reproduction Science, 1991, 25, 1-10.	0.5	7
85	Involvement of Î²-adrenoceptors in the regulation of luteal function in cattle. British Veterinary Journal, 1991, 147, 189-196.	0.5	21
86	Local transfer of prostaglandin F2Î± from the uterine lumen into the venous and arterial blood and into the uterine, mesometrial and ovarian tissue on Day 18 of pregnancy in the pig. Animal Reproduction Science, 1990, 23, 223-235.	0.5	15
87	Prostaglandin F2Î± back transfer from the mesometrium vasculature into the uterus of the gilt during early pregnancy and estrogen-induced pseudopregnancy. Animal Reproduction Science, 1987, 13, 199-210.	0.5	11
88	Counter current transfer of 3H-PGF2Î± in the mesometrium: A possible mechanism for prevention of luteal regression. Animal Reproduction Science, 1986, 11, 259-272.	0.5	17
89	In vitro metabolism of ovarian steroids by bovine whole blood and plasma. Domestic Animal Endocrinology, 1985, 2, 141-150.	0.8	2
90	A new route of prostaglandin F-2Î± transfer from the uterus into the ovary in swine. Animal Reproduction Science, 1983, 5, 303-309.	0.5	10

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91	3H-oestradiol-17Î² counter current transfer from the ovarian vein into the ovarian artery in cows. Animal Reproduction Science, 1982, 4, 199-206.	0.5	7
92	Tribulus terrestris can suppress the adverse effect of toluene on bovine and equine ovarian granulosa cells. Reproduction in Domestic Animals, 0, , .	0.6	3