Fred Sinowatz

List of Publications by Year
in descending order

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68	3,195	126708	149479
papers	citations	33 h-index	56 g-index

70	70	70	3272
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regulatory changes of local produced prostaglandins in corpus luteum after experimentally induced luteolysis in the cow. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2022, 51, 289-299.	0.3	6
2	Glycobiology of developing chicken kidney: Profiling the galectin family and selected Î²â€galactosides. Anatomical Record, 2021, 304, 1597-1628.	0.8	4
3	Chicken lens development: complete signature of expression of galectins during embryogenesis and evidence for their complex formation with Î±-, Î²-, Î´-, and Î„-crystallins, N-CAM, and N-cadherin obtained by affinity chromatography. Cell and Tissue Research, 2020, 379, 13-35.	1.5	17
4	Influence of protein (human galectin-3) design on aspects of lectin activity. Histochemistry and Cell Biology, 2020, 154, 135-153.	0.8	19
5	Hypoxiaâ€inducible factorâ€1alpha and nitric oxide synthases in bovine follicles close to ovulation and early luteal angiogenesis. Reproduction in Domestic Animals, 2020, 55, 1573-1584.	0.6	3
6	How galectins have become multifunctional proteins. Histology and Histopathology, 2020, 35, 509-539.	0.5	33
7	Prostaglandins in Superovulation Induced Bovine Follicles During the Preovulatory Period and Early Corpus Luteum. Frontiers in Endocrinology, 2019, 10, 467.	1.5	19
8	How altering the modular architecture affects aspects of lectin activity: case study on human galectin-1. Glycobiology, 2019, 29, 593-607.	1.3	20
9	Corpus Luteum Formation. , 2019, , 255-267.		2
10	Functional Morphology of Thecal Glands in the Ovary of Japanese Quails (<b><i>Coturnix) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	0
11	Changes in the expression of prostaglandin family members in bovine corpus luteum during the estrous cycle and pregnancy. Molecular Reproduction and Development, 2018, 85, 622-634.	1.0	13
12	Expression and localization of members of the thrombospondin family during final follicle maturation and corpus luteum formation and function in the bovine ovary. Journal of Reproduction and Development, 2016, 62, 501-510.	0.5	40
13	Galectin-related protein: An integral member of the network of chicken galectins. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2298-2312.	1.1	30
14	Network Monitoring of Adhesion/Growthâ€Regulatory Galectins: Localization of the Five Canonical Chicken Proteins in Embryonic and Maturing Bone and Cartilage and Their Introduction as Histochemical Tools. Anatomical Record, 2015, 298, 2051-2070.	0.8	15
15	Expression of prostaglandin synthesizing enzymes (cyclooxygenase 1 and cyclooxygenase 2) in the ovary of the ostrich (Struthio camelus). Acta Histochemica, 2015, 117, 69-75.	0.9	11
16	Expression of Intermediate Filaments and Germ Cell Markers in the Developing Bovine Ovary: An Immunohistochemical and Laser-Assisted Microdissection Study. Cells Tissues Organs, 2014, 200, 153-170.	1.3	8
17	Expression and localization of nodal in bovine oviduct and uterus during different functional stages of oestrus cycle and pregnancy. Histochemistry and Cell Biology, 2013, 139, 89-97.	0.8	8
18	Expression of Intermediate Filaments in the Balbiani Body and Ovarian Follicular Wall of the Japanese Quail(Coturnix japonica). Cells Tissues Organs, 2013, 197, 298-311.	1.3	16

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19	Assembly of the Inner Perivitelline Layer, a Homolog of the Mammalian Zona Pellucida: An Immunohistochemical and Ultrastructural Study. Cells Tissues Organs, 2012, 195, 330-339.	1.3	22
20	Bovine endometrial metallopeptidases MMP14 and MMP2 and the metallopeptidase inhibitor TIMP2 participate in maternal preparation of pregnancy. Molecular and Cellular Endocrinology, 2011, 332, 48-57.	1.6	55
21	Cell Arrest and Cell Death in Mammalian Preimplantation Development: Lessons from the Bovine Model. PLoS ONE, 2011, 6, e22121.	1.1	47
22	Immunohistochemical and ultrastructural characterization of the ovarian surface epithelium of Japanese quail (Coturnix japonica). Animal Science Journal, 2011, 82, 307-313.	0.6	8
23	Galectins as tools for glycan mapping in histology: comparison of their binding profiles to the bovine zona pellucida by confocal laser scanning microscopy. Histochemistry and Cell Biology, 2011, 135, 539-552.	0.8	34
24	Cellular Expression and Localization of Estrogen Receptor Î± and Progesterone Receptor mRNA in the Bovine Oviduct Combining Laser-Assisted Microdissection, Quantitative PCR, and In Situ Hybridization. Journal of Histochemistry and Cytochemistry, 2011, 59, 312-327.	1.3	19
25	Mitochondrial Thioredoxin Reductase Is Essential for Early Postischemic Myocardial Protection. Circulation, 2011, 124, 2892-2902.	1.6	70
26	Changes in the Levels of Progesterone Receptor mRNA and Protein in the Bovine Corpus Luteum During the Estrous Cycle. Journal of Reproduction and Development, 2010, 56, 219-222.	0.5	21
27	Germ-line transmission of lentiviral PGK-EGFP integrants in transgenic cattle: new perspectives for experimental embryology. Transgenic Research, 2010, 19, 549-556.	1.3	28
28	Mitochondrial glutathione peroxidase 4 disruption causes male infertility. FASEB Journal, 2009, 23, 3233-3242.	0.2	251
29	Cell-type-specific expression of murine multifunctional galectin-3 and its association with follicular atresia/luteolysis in contrast to pro-apoptotic galectins-1 and -7. Histochemistry and Cell Biology, 2008, 130, 567-581.	0.8	35
30	Dynamic changes in messenger RNA profiles of bovine endometrium during the oestrous cycle. Reproduction, 2008, 135, 225-240.	1.1	105
31	Quantitative Monitoring of Pluripotency Gene Activation after Somatic Cloning in Cattle1. Biology of Reproduction, 2007, 76, 983-991.	1.2	44
32	Leptin Promotes Meiotic Progression and Developmental Capacity of Bovine Oocytes Via Cumulus Cell-Independent and -Dependent Mechanisms1. Biology of Reproduction, 2007, 76, 532-541.	1.2	67
33	Equine zona protein synthesis and ZP structure during folliculogenesis, oocyte maturation, and embryogenesis. Molecular Reproduction and Development, 2007, 74, 851-859.	1.0	19
34	Î±2,3/Î±2,6-Sialylation ofÂN-glycans: non-synonymous signals with marked developmental regulation inÂbovine reproductive tracts. Biochimie, 2006, 88, 399-410.	1.3	19
35	In vivo effect of growth hormone on the expression of connexin-43 in bovine ovarian follicles. Molecular Reproduction and Development, 2006, 73, 600-606.	1.0	9
36	Embryo-induced transcriptome changes in bovine endometrium reveal species-specific and common molecular markers of uterine receptivity. Reproduction, 2006, 132, 319-331.	1.1	185

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37	Monozygotic Twin Model Reveals Novel Embryo-Induced Transcriptome Changes of Bovine Endometrium in the Preattachment Period1. Biology of Reproduction, 2006, 74, 253-264.	1.2	146
38	A bovine oviduct epithelial cell suspension culture system suitable for studying embryoâ€“maternal interactions: morphological and functional characterization. Reproduction, 2006, 132, 637-648.	1.1	82
39	Maturation of Bovine Oocytes in the Presence of Leptin Improves Development and Reduces Apoptosis of In Vitro-Produced Blastocysts1. Biology of Reproduction, 2005, 73, 737-744.	1.2	96
40	Essential Role for Mitochondrial Thioredoxin Reductase in Hematopoiesis, Heart Development, and Heart Function. Molecular and Cellular Biology, 2004, 24, 9414-9423.	1.1	428
41	Effects of growth hormone on the ultrastructure of bovine preimplantation embryos. Cell and Tissue Research, 2004, 317, 101-8.	1.5	17
42	Growth Hormone-Related Effects on Apoptosis, Mitosis, and Expression of Connexin 43 in Bovine In Vitro Maturation Cumulus-Oocyte Complexes1. Biology of Reproduction, 2003, 68, 1584-1589.	1.2	49
43	Developmental Regulation of Hyaluronan-Binding Protein (RHAMM/IHABP) Expression in Early Bovine Embryos1. Biology of Reproduction, 2003, 68, 60-66.	1.2	30
44	Galectin-1 and galectin-3 in fetal development of bovine respiratory and digestive tracts. Cell and Tissue Research, 2002, 307, 35-46.	1.5	91
45	Expression of spermadhesin genes in porcine male and female reproductive tracts. Molecular Reproduction and Development, 2002, 61, 32-41.	1.0	39
46	Growth hormone inhibits apoptosis in in vitro produced bovine embryos. Molecular Reproduction and Development, 2002, 61, 180-186.	1.0	55
47	Growth Hormone (GH)/GH Receptor Expression and GH-Mediated Effects During Early Bovine Embryogenesis1. Biology of Reproduction, 2001, 64, 1826-1834.	1.2	40
48	Temporal and spatial regulation of expression of two galectins during kidney development of the chicken. The Histochemical Journal, 2000, 32, 325-336.	0.6	17
49	Expression and Localization of Growth Factors during Mammary Gland Development. , 2000, 480, 19-25.		11
50	Factors affecting proliferation and dedifferentiation of primary bovine oviduct epithelial cells in vitro. Cell and Tissue Research, 1999, 296, 371-383.	1.5	58
51	Differential expression of ZPC in the bovine ovary, oocyte, and embryo. Molecular Reproduction and Development, 1998, 49, 435-443.	1.0	34
52	Growth hormone receptor expression in the nucleus and cytoplasm of normal and neoplastic cells. Histochemistry and Cell Biology, 1998, 109, 141-159.	0.8	52
53	Topography of growth hormone receptor expression in the bovine embryo. Histochemistry and Cell Biology, 1998, 109, 417-419.	0.8	24
54	Developmental Changes in the Expression of the Growth Hormone Receptor Messenger Ribonucleic Acid and Protein in the Bovine Ovary1. Biology of Reproduction, 1998, 59, 836-842.	1.2	82

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55	Isolation and characterization of endothelial cells from different organs of fetal pigs. Anatomy and Embryology, 1996, 194, 445-56.	1.5	40
56	Differences of microvascular endothelium in the bovine corpus luterum of pregnancy and the corpus luteum of the estrous cycle. Biology of the Cell, 1996, 87, 179-188.	0.7	14
57	Localization of the mRNA encoding the zona protein ZP3Î± in the porcine ovary, oocyte and embryo by non-radioactivein situ hybridization. The Histochemical Journal, 1996, 28, 441-447.	0.6	40
58	Differences of microvascular endothelium in the bovine corpus luterum of pregnancy and the corpus luteum of the estrous cycle. , 1996, 87, 179.		6
59	The complete primary structure of the spermadhesin AWN, a zona pellucida-binding protein isolated from boar spermatozoa. FEBS Letters, 1992, 300, 213-218.	1.3	79
60	Vitamin D metabolites prevent vertebral osteopenia in ovariectomized rats. Calcified Tissue International, 1992, 50, 228-236.	1.5	40
61	Uterine glands of the pig during pregnancy. Anatomy and Embryology, 1983, 166, 121-134.	1.5	38
62	The fine structure of the terminal segment of the bovine seminiferous tubule. Cell and Tissue Research, 1982, 225, 29-44.	1.5	23
63	Intraprostatic and subcutaneous transplantation of a spontaneous prostatic carcinoma (11095) to male fischer rats (F344): An ultrastructural study. Prostate, 1982, 3, 253-275.	1.2	3
64	The placenta of the pig. Anatomy and Embryology, 1981, 163, 43-53.	1.5	62
65	Development of the bovine acrosome. Cell and Tissue Research, 1981, 219, 511-24.	1.5	19
66	Intertubular topography in the bovine testis. Cell and Tissue Research, 1981, 217, 289-310.	1.5	19
67	The placenta of the pig. Anatomy and Embryology, 1980, 158, 179-191.	1.5	120
68	The lamina propria of the bovine seminiferous tubule. Cell and Tissue Research, 1979, 202, 357-77.	1.5	35