

Robert Burghardt

List of Publications by Year in descending order

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276
papers

16,388
citations

10986

71
h-index

20961

115
g-index

280
all docs

280
docs citations

280
times ranked

13557
citing authors

#	ARTICLE	IF	CITATIONS
1	HOTAIR is a negative prognostic factor and exhibits pro-oncogenic activity in pancreatic cancer. <i>Oncogene</i> , 2013, 32, 1616-1625.	5.9	713
2	Proline and hydroxyproline metabolism: implications for animal and human nutrition. <i>Amino Acids</i> , 2011, 40, 1053-1063.	2.7	512
3	Evidence for Placental Abnormality as the Major Cause of Mortality in First-Trimester Somatic Cell Cloned Bovine Fetuses ¹ . <i>Biology of Reproduction</i> , 2000, 63, 1787-1794.	2.7	407
4	Comparative aspects of implantation. <i>Reproduction</i> , 2009, 138, 195-209.	2.6	309
5	Progesterone and Placental Hormone Actions on the Uterus: Insights from Domestic Animals ¹ . <i>Biology of Reproduction</i> , 2004, 71, 2-10.	2.7	297
6	Novel pathways for implantation and establishment and maintenance of pregnancy in mammals. <i>Molecular Human Reproduction</i> , 2010, 16, 135-152.	2.8	295
7	Osteopontin: Roles in Implantation and Placentation ¹ . <i>Biology of Reproduction</i> , 2003, 69, 1458-1471.	2.7	278
8	Evidence that absence of endometrial gland secretions in uterine gland knockout ewes compromises conceptus survival and elongation. <i>Reproduction</i> , 2002, 124, 289-300.	2.6	276
9	Implantation mechanisms: insights from the sheep. <i>Reproduction</i> , 2004, 128, 657-668.	2.6	273
10	The Aryl Hydrocarbon Receptor Mediates Degradation of Estrogen Receptor β through Activation of Proteasomes. <i>Molecular and Cellular Biology</i> , 2003, 23, 1843-1855.	2.3	271
11	Pregnancy recognition and conceptus implantation in domestic ruminants: roles of progesterone, interferons and endogenous retroviruses. <i>Reproduction, Fertility and Development</i> , 2007, 19, 65.	0.4	267
12	Impacts of arginine nutrition on embryonic and fetal development in mammals. <i>Amino Acids</i> , 2013, 45, 241-256.	2.7	233
13	Endogenous retroviruses regulate periimplantation placental growth and differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14390-14395.	7.1	228
14	Spatial and Temporal Analyses of Integrin and Muc-1 Expression in Porcine Uterine Epithelium and Trophoctoderm in Vivo ¹ . <i>Biology of Reproduction</i> , 1996, 55, 1098-1106.	2.7	199
15	A Ratiometric pH Reporter For Imaging Protein-dye Conjugates In Living Cells. <i>Journal of the American Chemical Society</i> , 2009, 131, 1642-1643.	13.7	193
16	TRIENNIAL GROWTH SYMPOSIUM: Important roles for L-glutamine in swine nutrition and production ^{1,2} . <i>Journal of Animal Science</i> , 2011, 89, 2017-2030.	0.5	191
17	Muc-1, Integrin, and Osteopontin Expression During the Implantation Cascade in Sheep ¹ . <i>Biology of Reproduction</i> , 2001, 65, 820-828.	2.7	184
18	Interferons and progesterone for establishment and maintenance of pregnancy: interactions among novel cell signaling pathways. <i>Reproductive Biology</i> , 2008, 8, 179-211.	1.9	181

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19	Role of Sp Proteins in Regulation of Vascular Endothelial Growth Factor Expression and Proliferation of Pancreatic Cancer Cells. <i>Cancer Research</i> , 2004, 64, 6740-6749.	0.9	180
20	Conceptus signals for establishment and maintenance of pregnancy. <i>Animal Reproduction Science</i> , 2004, 82-83, 537-550.	1.5	180
21	Impacts of amino acid nutrition on pregnancy outcome in pigs: Mechanisms and implications for swine production ^{1,2} . <i>Journal of Animal Science</i> , 2010, 88, E195-E204.	0.5	165
22	Integrins and Extracellular Matrix Proteins at the Maternal-Fetal Interface in Domestic Animals. <i>Cells Tissues Organs</i> , 2002, 172, 202-217.	2.3	148
23	Activation of Nur77 by Selected 1,1-Bis(3- ϵ -indolyl)-1-(p-substituted phenyl)methanes Induces Apoptosis through Nuclear Pathways. <i>Journal of Biological Chemistry</i> , 2005, 280, 24903-24914.	3.4	145
24	Discovery and characterization of an epithelial-specific galectin in the endometrium that forms crystals in the trophoctoderm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7982-7987.	7.1	140
25	Interferon Regulatory Factor-Two Restricts Expression of Interferon-Stimulated Genes to the Endometrial Stroma and Glandular Epithelium of the Ovine Uterus ¹ . <i>Biology of Reproduction</i> , 2001, 65, 1038-1049.	2.7	139
26	Estrogen Receptor-mediated Activation of the Serum Response Element in MCF-7 Cells through MAPK-dependent Phosphorylation of Elk-1. <i>Journal of Biological Chemistry</i> , 2001, 276, 11590-11598.	3.4	137
27	Ovine Osteopontin: II. Osteopontin and α _v β ₃ Integrin Expression in the Uterus and Conceptus During the Periimplantation Period ¹ . <i>Biology of Reproduction</i> , 1999, 61, 892-899.	2.7	134
28	Prolactin Receptor and Uterine Milk Protein Expression in the Ovine Endometrium During the Estrous Cycle and Pregnancy ¹ . <i>Biology of Reproduction</i> , 2000, 62, 1779-1789.	2.7	131
29	Secreted Phosphoprotein 1 (SPP1, Osteopontin) Binds to Integrin α v β ₆ on Porcine Trophoctoderm Cells and Integrin α v β ₃ on Uterine Luminal Epithelial Cells, and Promotes Trophoctoderm Cell Adhesion and Migration ¹ . <i>Biology of Reproduction</i> , 2009, 81, 814-825.	2.7	130
30	Fish oil increases mitochondrial phospholipid unsaturation, upregulating reactive oxygen species and apoptosis in rat colonocytes. <i>Carcinogenesis</i> , 2002, 23, 1919-1926.	2.8	129
31	Peroxisome proliferator-activated receptor gamma agonists induce proteasome-dependent degradation of cyclin D1 and estrogen receptor alpha in MCF-7 breast cancer cells. <i>Cancer Research</i> , 2003, 63, 958-64.	0.9	127
32	Expression of the Interferon Tau Inducible Ubiquitin Cross-Reactive Protein in the Ovine Uterus ¹ . <i>Biology of Reproduction</i> , 1999, 61, 312-318.	2.7	126
33	Analysis of Osteopontin at the Maternal-Placental Interface in Pigs ¹ . <i>Biology of Reproduction</i> , 2002, 66, 718-725.	2.7	123
34	Adsorption of Salmonella enteritidis by cetylpyridinium-exchanged montmorillonite clays. <i>Veterinary Microbiology</i> , 2000, 74, 259-272.	1.9	121
35	3-Methylcholanthrene and Other Aryl Hydrocarbon Receptor Agonists Directly Activate Estrogen Receptor α . <i>Cancer Research</i> , 2006, 66, 2459-2467.	0.9	120
36	Uterine receptivity to implantation of blastocysts in mammals. <i>Frontiers in Bioscience - Scholar</i> , 2011, S3, 745-767.	2.1	115

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37	Small Inhibitory RNA Duplexes for Sp1 mRNA Block Basal and Estrogen-induced Gene Expression and Cell Cycle Progression in MCF-7 Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 28815-28822.	3.4	107
38	Effects of the Estrous Cycle and Early Pregnancy on Uterine Expression of Mx Protein in Sheep (Ovis Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.7	104
39	Steroid Regulation of Cell Specific Secreted Phosphoprotein 1 (Osteopontin) Expression in the Pregnant Porcine Uterus1. <i>Biology of Reproduction</i> , 2005, 73, 1294-1301.	2.7	101
40	Uterine biology in pigs and sheep. <i>Journal of Animal Science and Biotechnology</i> , 2012, 3, 23.	5.3	101
41	Mechanism of Action of Phenethylisothiocyanate and Other Reactive Oxygen Species-Inducing Anticancer Agents. <i>Molecular and Cellular Biology</i> , 2014, 34, 2382-2395.	2.3	100
42	Osteopontin: a leading candidate adhesion molecule for implantation in pigs and sheep. <i>Journal of Animal Science and Biotechnology</i> , 2014, 5, 56.	5.3	99
43	Ovine Osteopontin: I. Cloning and Expression of Messenger Ribonucleic Acid in the Uterus During the Periimplantation Period1. <i>Biology of Reproduction</i> , 1999, 61, 884-891.	2.7	98
44	Hypoxia Induces Proteasome-Dependent Degradation of Estrogen Receptor α in ZR-75 Breast Cancer Cells. <i>Molecular Endocrinology</i> , 2002, 16, 2231-2242.	3.7	97
45	Interferon τ Activates Multiple Signal Transducers and Activator of Transcription Proteins and Has Complex Effects on Interferon-Responsive Gene Transcription in Ovine Endometrial Epithelial Cells**This work was supported by NIH Grant HD-32534 (to F.W.B. and T.E.S.) and in part by NIH Grant P30-ES-09106. The publication costs of this article were defrayed in part by the payment of page charges. The article must therefore be hereby marked advertisement in accordance with 18 U.S.C. Section 1734 solely to indicate. <i>Endocrinology</i> , 2001, 142, 98-107.	2.8	95
46	Drugs that Target Specificity Proteins Downregulate Epidermal Growth Factor Receptor in Bladder Cancer Cells. <i>Molecular Cancer Research</i> , 2010, 8, 739-750.	3.4	95
47	Exosomes, endogenous retroviruses and toll-like receptors: pregnancy recognition in ewes. <i>Reproduction</i> , 2015, 149, 281-291.	2.6	92
48	Spatial and Temporal Analyses of Integrin and Muc-1 Expression in Porcine Uterine Epithelium and Trophectoderm in Vitro1. <i>Biology of Reproduction</i> , 1997, 56, 409-415.	2.7	91
49	Select Nutrients in the Ovine Uterine Lumen. VII. Effects of Arginine, Leucine, Glutamine, and Glucose on Trophectoderm Cell Signaling, Proliferation, and Migration1. <i>Biology of Reproduction</i> , 2011, 84, 62-69.	2.7	91
50	Arginine Decarboxylase and Agmatinase: An Alternative Pathway for De Novo Biosynthesis of Polyamines for Development of Mammalian Conceptuses1. <i>Biology of Reproduction</i> , 2014, 90, 84.	2.7	89
51	Effects of the Estrous Cycle, Pregnancy, and Interferon Tau on α -Oligoadenylate Synthetase Expression in the Ovine Uterus1. <i>Biology of Reproduction</i> , 2001, 64, 1392-1399.	2.7	87
52	Ischemia-induced cleavage of cadherins in NRK cells requires MT1-MMP (MMP-14). <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F43-F51.	2.7	87
53	Progesterone Modulation of Osteopontin Gene Expression in the Ovine Uterus1. <i>Biology of Reproduction</i> , 2000, 62, 1315-1321.	2.7	86
54	Dietary ω -3 PUFA alter colonocyte mitochondrial membrane composition and function. <i>Lipids</i> , 2002, 37, 193-199.	1.7	86

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55	Cyclic AMP induces rapid increases in gap junction permeability and changes in the cellular distribution of connexin43. <i>Journal of Membrane Biology</i> , 1995, 148, 243-53.	2.1	84
56	Development and Characterization of Immortalized Ovine Endometrial Cell Lines1. <i>Biology of Reproduction</i> , 1999, 61, 1324-1330.	2.7	84
57	Stimulation of calcium uptake in cultured rat hippocampal neurons by 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicology</i> , 1996, 112, 19-28.	4.2	83
58	Loss of Single-minded-2s in the Mouse Mammary Gland Induces an Epithelial-Mesenchymal Transition Associated with Up-Regulation of Slug and Matrix Metalloprotease 2. <i>Molecular and Cellular Biology</i> , 2008, 28, 1936-1946.	2.3	82
59	Kinetic Analysis of the Chronology of Patulin- and Gossypol-Induced Cytotoxicity in Vitro. <i>Fundamental and Applied Toxicology</i> , 1996, 30, 290-297.	1.8	81
60	Secreted phosphoprotein 1 binds integrins to initiate multiple cell signaling pathways, including FRAP1/mTOR, to support attachment and force-generated migration of trophectoderm cells. <i>Matrix Biology</i> , 2010, 29, 369-382.	3.6	81
61	Patulin-induced cellular toxicity: A vital fluorescence study. <i>Toxicology and Applied Pharmacology</i> , 1992, 112, 235-244.	2.8	80
62	An Increase in Reactive Oxygen Species by Dietary Fish Oil Coupled with the Attenuation of Antioxidant Defenses by Dietary Pectin Enhances Rat Colonocyte Apoptosis. <i>Journal of Nutrition</i> , 2004, 134, 3233-3238.	2.9	80
63	Pig Conceptuses Secrete Estrogen and Interferons to Differentially Regulate Uterine STAT1 in a Temporal and Cell Type-Specific Manner. <i>Endocrinology</i> , 2007, 148, 4420-4431.	2.8	80
64	Osteopontin Expression in Uterine Stroma Indicates a Decidualization-Like Differentiation During Ovine Pregnancy. <i>Biology of Reproduction</i> , 2003, 68, 1951-1958.	2.7	77
65	Tolfenamic acid inhibits esophageal cancer through repression of specificity proteins and c-Met. <i>Carcinogenesis</i> , 2009, 30, 1193-1201.	2.8	77
66	Arsenic trioxide downregulates specificity protein (Sp) transcription factors and inhibits bladder cancer cell and tumor growth. <i>Experimental Cell Research</i> , 2010, 316, 2174-2188.	2.6	77
67	Dietary supplementation with L-arginine between days 14 and 25 of gestation enhances embryonic development and survival in gilts. <i>Amino Acids</i> , 2014, 46, 375-384.	2.7	77
68	Hexavalent chromium-induced apoptosis of granulosa cells involves selective sub-cellular translocation of Bcl-2 members, ERK1/2 and p53. <i>Toxicology and Applied Pharmacology</i> , 2011, 251, 253-266.	2.8	76
69	Comparative Toxicity of Eugenol and Its Quinone Methide Metabolite in Cultured Liver Cells Using Kinetic Fluorescence Bioassays. <i>Toxicology and Applied Pharmacology</i> , 1998, 149, 55-63.	2.8	75
70	Hormonal modulation of gap junctions in rat ovarian follicles. <i>Cell and Tissue Research</i> , 1981, 214, 181-93.	2.9	74
71	Interferon-Tau and Progesterone Regulate Ubiquitin Cross-Reactive Protein Expression in the Ovine Uterus1. <i>Biology of Reproduction</i> , 2000, 62, 622-627.	2.7	73
72	Dietary Supplementation with 0.8% L-Arginine between Days 0 and 25 of Gestation Reduces Litter Size in Gilts. <i>Journal of Nutrition</i> , 2010, 140, 1111-1116.	2.9	73

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73	Reduced cell-cell communication between mitotic and nonmitotic coupled cells. <i>Experimental Cell Research</i> , 1992, 198, 1-7.	2.6	72
74	WNTs in the Ovine Uterus: Potential Regulation of Periimplantation Ovine Conceptus Development. <i>Endocrinology</i> , 2007, 148, 3496-3506.	2.8	72
75	Select Nutrients in the Ovine Uterine Lumen. VIII. Arginine Stimulates Proliferation of Ovine Trophectoderm Cells Through MTOR-RPS6K-RPS6 Signaling Cascade and Synthesis of Nitric Oxide and Polyamines1. <i>Biology of Reproduction</i> , 2011, 84, 70-78.	2.7	72
76	Functional Effects of Transforming Growth Factor β^2 on Adhesive Properties of Porcine Trophectoderm. <i>Endocrinology</i> , 2005, 146, 3933-3942.	2.8	69
77	Tight and Adherens Junctions in the Ovine Uterus: Differential Regulation by Pregnancy and Progesterone. <i>Endocrinology</i> , 2007, 148, 3922-3931.	2.8	67
78	Resveratrol protects the ovary against chromium-toxicity by enhancing endogenous antioxidant enzymes and inhibiting metabolic clearance of estradiol. <i>Toxicology and Applied Pharmacology</i> , 2016, 303, 65-78.	2.8	67
79	Lactational exposure to hexavalent chromium delays puberty by impairing ovarian development, steroidogenesis and pituitary hormone synthesis in developing Wistar rats. <i>Toxicology and Applied Pharmacology</i> , 2008, 232, 180-189.	2.8	66
80	Antagonism of CD95 signaling blocks butyrate induction of apoptosis in young adult mouse colonic cells. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 277, C310-C319.	4.6	65
81	Increased susceptibility of aging kidney to ischemic injury: identification of candidate genes changed during aging, but corrected by caloric restriction. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F1272-F1281.	2.7	65
82	Enhanced focal adhesion assembly reflects increased mechanosensation and mechanotransduction at maternal-conceptus interface and uterine wall during ovine pregnancy. <i>Reproduction</i> , 2009, 137, 567-582.	2.6	65
83	Concurrent analysis of intracellular glutathione content and gap junctional intercellular communication. <i>Cytometry</i> , 1993, 14, 747-756.	1.8	64
84	Galectin 15 (LGALS15) functions in trophoctoderm migration and attachment. <i>FASEB Journal</i> , 2008, 22, 548-560.	0.5	63
85	Insulin-Like Growth Factor II Activates Phosphatidylinositol 3-Kinase-Protooncogenic Protein Kinase 1 and Mitogen-Activated Protein Kinase Cell Signaling Pathways, and Stimulates Migration of Ovine Trophectoderm Cells. <i>Endocrinology</i> , 2008, 149, 3085-3094.	2.8	63
86	Functional role of arginine during the peri-implantation period of pregnancy. I. Consequences of loss of function of arginine transporter <i>SLC7A1</i> mRNA in ovine conceptus trophoctoderm. <i>FASEB Journal</i> , 2014, 28, 2852-2863.	0.5	63
87	Uterine MHC Class I Molecules and β^2 -Microglobulin Are Regulated by Progesterone and Conceptus Interferons during Pig Pregnancy. <i>Journal of Immunology</i> , 2008, 181, 2494-2505.	0.8	62
88	Cathepsin B, Cathepsin L, and Cystatin C in the Porcine Uterus and Placenta: Potential Roles in Endometrial/Placental Remodeling and in Fluid-Phase Transport of Proteins Secreted by Uterine Epithelia Across Placental Areolae1. <i>Biology of Reproduction</i> , 2010, 82, 854-864.	2.7	62
89	Molecular and preclinical basis to inhibit PGE ₂ receptors EP2 and EP4 as a novel nonsteroidal therapy for endometriosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9716-9721.	7.1	62
90	Gap junction amplification in rat ovarian granulosa cells. <i>Developmental Biology</i> , 1982, 94, 206-215.	2.0	61

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91	Pro-oxidant environment of the colon compared to the small intestine may contribute to greater cancer susceptibility. <i>Cancer Letters</i> , 2004, 208, 155-161.	7.2	61
92	Mechanisms for the establishment and maintenance of pregnancy: synergies from scientific collaborations. <i>Biology of Reproduction</i> , 2018, 99, 225-241.	2.7	61
93	Regulation of Expression of Fibroblast Growth Factor 7 in the Pig Uterus by Progesterone and Estradiol. <i>Biology of Reproduction</i> , 2007, 77, 172-180.	2.7	60
94	Osteopontin Is Synthesized by Uterine Glands and a 45-kDa Cleavage Fragment Is Localized at the Uterine-Placental Interface Throughout Ovine Pregnancy. <i>Biology of Reproduction</i> , 2003, 69, 92-98.	2.7	59
95	Select Nutrients in the Ovine Uterine Lumen. IX. Differential Effects of Arginine, Leucine, Glutamine, and Glucose on Interferon Tau, Ornithine Decarboxylase, and Nitric Oxide Synthase in the Ovine Conceptus. <i>Biology of Reproduction</i> , 2011, 84, 1139-1147.	2.7	59
96	Evaluation of Methods for Predicting the Toxicity of Polycyclic Aromatic Hydrocarbon Mixtures. <i>Environmental Science & Technology</i> , 2001, 35, 1630-1636.	10.0	58
97	Interferon Stimulated Gene 15 Conjugates to Endometrial Cytosolic Proteins and Is Expressed at the Uterine-Placental Interface throughout Pregnancy in Sheep. <i>Endocrinology</i> , 2005, 146, 675-684.	2.8	58
98	Analysis of Estrogen Receptor β -Sp1 Interactions in Breast Cancer Cells by Fluorescence Resonance Energy Transfer. <i>Molecular Endocrinology</i> , 2005, 19, 843-854.	3.7	58
99	Molecular Mechanism of Inhibitory Aryl Hydrocarbon Receptor-Estrogen Receptor/Sp1 Cross Talk in Breast Cancer Cells. <i>Molecular Endocrinology</i> , 2006, 20, 2199-2214.	3.7	57
100	Doxycycline Induces Expression of P Glycoprotein in MCF-7 Breast Carcinoma Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 755-761.	3.2	56
101	Neurotoxicity induced in differentiated SK-N-SH-SY5Y human neuroblastoma cells by organophosphorus compounds. <i>Toxicology and Applied Pharmacology</i> , 2003, 186, 110-118.	2.8	56
102	Adverse organogenesis and predisposed long-term metabolic syndrome from prenatal exposure to fine particulate matter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11590-11595.	7.1	56
103	Production of Nuclear Transfer Horse Embryos by Piezo-Driven Injection of Somatic Cell Nuclei and Activation with Stallion Sperm Cytosolic Extract. <i>Biology of Reproduction</i> , 2002, 67, 561-567.	2.7	55
104	Insulin-Like Growth Factor Binding Protein-1 in the Ruminant Uterus: Potential Endometrial Marker and Regulator of Conceptus Elongation. <i>Endocrinology</i> , 2009, 150, 4295-4305.	2.8	55
105	Estrogen Up-Regulation of p53 Gene Expression in MCF-7 Breast Cancer Cells Is Mediated by Calmodulin Kinase IV-Dependent Activation of a Nuclear Factor κ B/CCAAT-Binding Transcription Factor-1 Complex. <i>Molecular Endocrinology</i> , 2002, 16, 1793-1809.	3.7	54
106	Mechanistic mammalian target of rapamycin (MTOR) cell signaling: Effects of select nutrients and secreted phosphoprotein 1 on development of mammalian conceptuses. <i>Molecular and Cellular Endocrinology</i> , 2012, 354, 22-33.	3.2	53
107	Fetal-maternal interactions during the establishment of pregnancy in ruminants. <i>Reproduction in Domestic Ruminants</i> , 2007, 6, 379-396.	0.1	53
108	Cellular mechanisms of implantation in domestic farm animals. <i>Seminars in Cell and Developmental Biology</i> , 2000, 11, 93-104.	5.0	52

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109	Galectin 15 (LGALS15): A Gene Uniquely Expressed in the Uteri of Sheep and Goats that Functions in Trophoblast Attachment ¹ . <i>Biology of Reproduction</i> , 2007, 77, 1027-1036.	2.7	51
110	Chromatin structure in the unicellular algae <i>Olithodiscus luteus</i> , <i>Cryptocodinium cohnii</i> and <i>Peridinium balticum</i> . <i>Chromosoma</i> , 1980, 76, 91-99.	2.2	50
111	Secreted phosphoprotein 1 (osteopontin) is expressed by stromal macrophages in cyclic and pregnant endometrium of mice, but is induced by estrogen in luminal epithelium during conceptus attachment for implantation. <i>Reproduction</i> , 2006, 132, 919-929.	2.6	50
112	Transforming growth factor beta (TGFB) signaling is activated during porcine implantation: proposed role for latency-associated peptide interactions with integrins at the conceptusâ€“maternal interface. <i>Reproduction</i> , 2010, 139, 465-478.	2.6	50
113	Pig Conceptuses Increase Uterine Interferon-Regulatory Factor 1 (IRF1), but Restrict Expression to Stroma Through Estrogen-Induced IRF2 in Luminal Epithelium ¹ . <i>Biology of Reproduction</i> , 2007, 77, 292-302.	2.7	49
114	Stanniocalcin 1 Is a Luminal Epithelial Marker for Implantation in Pigs Regulated by Progesterone and Estradiol. <i>Endocrinology</i> , 2009, 150, 936-945.	2.8	49
115	Aquaporins in the female reproductive system of mammals. <i>Frontiers in Bioscience - Landmark</i> , 2015, 20, 838-871.	3.0	48
116	The ontogeny of nexuses (gap junctions) in the ovary of the fetal mouse. <i>The Anatomical Record</i> , 1986, 214, 283-288.	1.8	47
117	An <i>in vitro</i> model of ovarian epithelial carcinogenesis: Changes in cellâ€“cell communication and adhesion occurring during neoplastic progression. <i>International Journal of Cancer</i> , 1993, 54, 828-838.	5.1	47
118	Mechanism of inhibition of MDA-MB-468 breast cancer cell growth by 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Carcinogenesis</i> , 1997, 18, 925-933.	2.8	47
119	Fluorescent Cassettes for Monitoring Three-Component Interactions <i>In Vitro</i> and in Living Cells. <i>Journal of the American Chemical Society</i> , 2009, 131, 9156-9157.	13.7	46
120	Functional Roles of Arginine During the Peri-Implantation Period of Pregnancy. III. Arginine Stimulates Proliferation and Interferon Tau Production by Ovine Trophectoderm Cells via Nitric Oxide and Polyamine-TSC2-MTOR Signaling Pathways ¹ . <i>Biology of Reproduction</i> , 2015, 92, 75.	2.7	46
121	Kinetic analysis of glutathione in anchored cells with monochlorobimane. <i>Cytometry</i> , 1995, 19, 226-234.	1.8	45
122	Ischemia-induced cleavage of cadherins in NRK cells: evidence for a role of metalloproteinases. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 289, F280-F288.	2.7	44
123	Attenuation of cisplatin nephrotoxicity by inhibition of soluble epoxide hydrolase. <i>Cell Biology and Toxicology</i> , 2009, 25, 217-225.	5.3	43
124	Prenatal exposure to chromium induces early reproductive senescence by increasing germ cell apoptosis and advancing germ cell cyst breakdown in the F1 offspring. <i>Developmental Biology</i> , 2014, 388, 22-34.	2.0	43
125	Benzo(a)pyrene-Induced Alterations in Growth-Related Gene Expression and Signaling in Precision-Cut Adult Rat Liver and Kidney Slices. <i>Toxicology and Applied Pharmacology</i> , 1998, 152, 302-308.	2.8	42
126	ITGAV (alpha v integrins) bind SPP1 (osteopontin) to support trophoblast cell adhesion. <i>Reproduction</i> , 2017, 153, 695-706.	2.6	41

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127	Implantation and Establishment of Pregnancy in the Pig. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2015, 216, 137-163.	1.6	40
128	Chromium VI $\hat{\sim}$ Induced developmental toxicity of placenta is mediated through spatiotemporal dysregulation of cell survival and apoptotic proteins. <i>Reproductive Toxicology</i> , 2017, 68, 171-190.	2.9	40
129	Histone-like protein and chromatin structure in the wall-less dinoflagellate <i>Gymnodinium nelsoni</i> . <i>BioSystems</i> , 1982, 15, 27-34.	2.0	38
130	Oxytocin-Induced Ca^{2+} Responses in Human Myometrial Cells ¹ . <i>Biology of Reproduction</i> , 1999, 60, 777-782.	2.7	38
131	Fructose Synthesis and Transport at the Uterine-Placental Interface of Pigs: Cell-Specific Localization of SLC2A5, SLC2A8, and Components of the Polyol Pathway. <i>Biology of Reproduction</i> , 2016, 95, 108-108.	2.7	38
132	Immunohistochemical Examination of Trophoblast Syncytialization during Early Placentation in Sheep. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4530.	4.1	38
133	Postnatal exposure to chromium through mother's milk accelerates follicular atresia in F1 offspring through increased oxidative stress and depletion of antioxidant enzymes. <i>Free Radical Biology and Medicine</i> , 2013, 61, 179-196.	2.9	37
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