

Greg A Johnson

List of Publications by Year in descending order

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104
papers

8,291
citations

31902

53
h-index

46693

89
g-index

104
all docs

104
docs citations

104
times ranked

4403
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental Biology of Uterine Glands1. <i>Biology of Reproduction</i> , 2001, 65, 1311-1323.	1.2	395
2	Comparative aspects of implantation. <i>Reproduction</i> , 2009, 138, 195-209.	1.1	309
3	Progesterone and Placental Hormone Actions on the Uterus: Insights from Domestic Animals1. <i>Biology of Reproduction</i> , 2004, 71, 2-10.	1.2	297
4	Novel pathways for implantation and establishment and maintenance of pregnancy in mammals. <i>Molecular Human Reproduction</i> , 2010, 16, 135-152.	1.3	295
5	Osteopontin: Roles in Implantation and Placentation1. <i>Biology of Reproduction</i> , 2003, 69, 1458-1471.	1.2	278
6	Implantation mechanisms: insights from the sheep. <i>Reproduction</i> , 2004, 128, 657-668.	1.1	273
7	Pregnancy recognition and conceptus implantation in domestic ruminants: roles of progesterone, interferons and endogenous retroviruses. <i>Reproduction, Fertility and Development</i> , 2007, 19, 65.	0.1	267
8	Important roles for the arginine family of amino acids in swine nutrition and production. <i>Livestock Science</i> , 2007, 112, 8-22.	0.6	227
9	Randomized trial of intermittent intraputamenal glial cell line-derived neurotrophic factor in Parkinson's disease. <i>Brain</i> , 2019, 142, 512-525.	3.7	194
10	Muc-1, Integrin, and Osteopontin Expression During the Implantation Cascade in Sheep1. <i>Biology of Reproduction</i> , 2001, 65, 820-828.	1.2	184
11	Select Nutrients in the Ovine Uterine Lumen. I. Amino Acids, Glucose, and Ions in Uterine Luminal Flushings of Cyclic and Pregnant Ewes1. <i>Biology of Reproduction</i> , 2009, 80, 86-93.	1.2	184
12	Interferons and progesterone for establishment and maintenance of pregnancy: interactions among novel cell signaling pathways. <i>Reproductive Biology</i> , 2008, 8, 179-211.	0.9	181
13	Integrins and Extracellular Matrix Proteins at the Maternal-Fetal Interface in Domestic Animals. <i>Cells Tissues Organs</i> , 2002, 172, 202-217.	1.3	148
14	Interferon Regulatory Factor-Two Restricts Expression of Interferon-Stimulated Genes to the Endometrial Stroma and Glandular Epithelium of the Ovine Uterus1. <i>Biology of Reproduction</i> , 2001, 65, 1038-1049.	1.2	139
15	Keratinocyte Growth Factor Is Up-Regulated by Estrogen in the Porcine Uterine Endometrium and Functions in Trophectoderm Cell Proliferation and Differentiation*. <i>Endocrinology</i> , 2001, 142, 2303-2310.	1.4	139
16	Polyamine Synthesis from Proline in the Developing Porcine Placenta1. <i>Biology of Reproduction</i> , 2005, 72, 842-850.	1.2	139
17	Ovine Osteopontin: II. Osteopontin and $\alpha 2 \beta 3$ Integrin Expression in the Uterus and Conceptus During the Periimplantation Period1. <i>Biology of Reproduction</i> , 1999, 61, 892-899.	1.2	134
18	Prolactin Receptor and Uterine Milk Protein Expression in the Ovine Endometrium During the Estrous Cycle and Pregnancy1. <i>Biology of Reproduction</i> , 2000, 62, 1779-1789.	1.2	131

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19	Secreted Phosphoprotein 1 (SPP1, Osteopontin) Binds to Integrin Alpha6beta6 on Porcine Trophectoderm Cells and Integrin Alpha3beta3 on Uterine Luminal Epithelial Cells, and Promotes Trophectoderm Cell Adhesion and Migration1. <i>Biology of Reproduction</i> , 2009, 81, 814-825.	1.2	130
20	Expression of the Interferon Tau Inducible Ubiquitin Cross-Reactive Protein in the Ovine Uterus1. <i>Biology of Reproduction</i> , 1999, 61, 312-318.	1.2	126
21	Effects of Recombinant Ovine Interferon Tau, Placental Lactogen, and Growth Hormone on the Ovine Uterus1. <i>Biology of Reproduction</i> , 1999, 61, 1409-1418.	1.2	126
22	Analysis of Osteopontin at the Maternal-Placental Interface in Pigs1. <i>Biology of Reproduction</i> , 2002, 66, 718-725.	1.2	123
23	Uterine receptivity to implantation of blastocysts in mammals. <i>Frontiers in Bioscience - Scholar</i> , 2011, S3, 745-767.	0.8	115
24	Steroid Regulation of Cell Specific Secreted Phosphoprotein 1 (Osteopontin) Expression in the Pregnant Porcine Uterus1. <i>Biology of Reproduction</i> , 2005, 73, 1294-1301.	1.2	101
25	Select Nutrients in the Ovine Uterine Lumen. II. Glucose Transporters in the Uterus and Peri-Implantation Conceptuses1. <i>Biology of Reproduction</i> , 2009, 80, 94-104.	1.2	101
26	Osteopontin: a leading candidate adhesion molecule for implantation in pigs and sheep. <i>Journal of Animal Science and Biotechnology</i> , 2014, 5, 56.	2.1	99
27	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.	1.2	98
28	Interferon- τ Activates Multiple Signal Transducer 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 indic. <i>Endocrinology</i> , 2001, 142, 98-107.	1.4	95
29	Keratinocyte Growth Factor: Expression by Endometrial Epithelia of the Porcine Uterus. <i>Biology of Reproduction</i> , 2000, 62, 1772-1778.	1.2	92
30	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.	1.2	91
31	Extended Treatment with Glial Cell Line-Derived Neurotrophic Factor in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2019, 9, 301-313.	1.5	89
32	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.	1.2	87
33	Progesterone Modulation of Osteopontin Gene Expression in the Ovine Uterus1. <i>Biology of Reproduction</i> , 2000, 62, 1315-1321.	1.2	86
34	Development and Characterization of Immortalized Ovine Endometrial Cell Lines1. <i>Biology of Reproduction</i> , 1999, 61, 1324-1330.	1.2	84
35	Pregnancy and Interferon Tau Regulate Major Histocompatibility Complex Class I and β 2-Microglobulin Expression in the Ovine Uterus1. <i>Biology of Reproduction</i> , 2003, 68, 1703-1710.	1.2	81
36	Glutamine Synthesis in the Developing Porcine Placenta1. <i>Biology of Reproduction</i> , 2004, 70, 1444-1451.	1.2	81

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37	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.	1.5	81
38	Uterine Histotroph and Conceptus Development: Select Nutrients and Secreted Phosphoprotein 1 Affect Mechanistic Target of Rapamycin Cell Signaling in Ewes ¹ . <i>Biology of Reproduction</i> , 2011, 85, 1094-1107.	1.2	81
39	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.	1.4	80
40	Osteopontin Expression in Uterine Stroma Indicates a Decidualization-Like Differentiation During Ovine Pregnancy. <i>Biology of Reproduction</i> , 2003, 68, 1951-1958.	1.2	77
41	Interferon-Tau and Progesterone Regulate Ubiquitin Cross-Reactive Protein Expression in the Ovine Uterus ¹ . <i>Biology of Reproduction</i> , 2000, 62, 622-627.	1.2	73
42	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 Polyamines ¹ . <i>Biology of Reproduction</i> , 2011, 84, 70-78.	1.2	72
43	Bovine Interferon- γ , Stimulates the Janus Kinase-Signal Transducer and Activator of Transcription Pathway in Bovine Endometrial Epithelial Cells ¹ . <i>Biology of Reproduction</i> , 2001, 64, 654-665.	1.2	71
44	Functional Effects of Transforming Growth Factor β 2 on Adhesive Properties of Porcine Trophectoderm. <i>Endocrinology</i> , 2005, 146, 3933-3942.	1.4	69
45	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.	1.1	65
46	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.	1.4	63
47	Ovine Placental Lactogen Specifically Binds to Endometrial Glands of the Ovine Uterus ¹ . <i>Biology of Reproduction</i> , 2003, 68, 772-780.	1.2	62
48	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.	0.4	62
49	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 Areolae ¹ . <i>Biology of Reproduction</i> , 2010, 82, 854-864.	1.2	62
50	Regulation of Expression of Fibroblast Growth Factor 7 in the Pig Uterus by Progesterone and Estradiol ¹ . <i>Biology of Reproduction</i> , 2007, 77, 172-180.	1.2	60
51	Osteopontin Is Synthesized by Uterine Glands and a 45-kDa Cleavage Fragment Is Localized at the Uterine-Placental Interface Throughout Ovine Pregnancy ¹ . <i>Biology of Reproduction</i> , 2003, 69, 92-98.	1.2	59
52	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 ¹ . <i>Biology of Reproduction</i> , 2011, 84, 1139-1147.	1.2	59
53	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.	1.4	58
54	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.	1.4	55

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55	Select nutrients and their effects on conceptus development in mammals. <i>Animal Nutrition</i> , 2015, 1, 85-95.	2.1	55
56	Cloning of the Ovine Estrogen Receptor-1 Promoter and Functional Regulation by Ovine Interferon- γ . <i>Endocrinology</i> , 2001, 142, 2879-2887.	1.4	53
57	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.	1.6	53
58	Galectin 15 (LGALS15): A Gene Uniquely Expressed in the Uteri of Sheep and Goats that Functions in Trophoblast Attachment. <i>Biology of Reproduction</i> , 2007, 77, 1027-1036.	1.2	51
59	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.	1.1	50
60	Pig Conceptuses Increase Uterine Interferon-Regulatory Factor 1 (IRF1), but Restrict Expression to Stroma Through Estrogen-Induced IRF2 in Luminal Epithelium. <i>Biology of Reproduction</i> , 2007, 77, 292-302.	1.2	49
61	Stanniocalcin 1 Is a Luminal Epithelial Marker for Implantation in Pigs Regulated by Progesterone and Estradiol. <i>Endocrinology</i> , 2009, 150, 936-945.	1.4	49
62	Premature Estrogen Exposure Alters Endometrial Gene Expression to Disrupt Pregnancy in the Pig. <i>Endocrinology</i> , 2007, 148, 4761-4773.	1.4	48
63	The many faces of interferon tau. <i>Amino Acids</i> , 2015, 47, 449-460.	1.2	48
64	Select Nutrients in the Ovine Uterine Lumen. V. Nitric Oxide Synthase, GTP Cyclohydrolase, and Ornithine Decarboxylase in Ovine Uteri and Peri-Implantation Conceptuses. <i>Biology of Reproduction</i> , 2009, 81, 67-76.	1.2	47
65	Bovine granulocyte chemotactic protein-2 is secreted by the endometrium in response to interferon-tau (IFN- τ). <i>Endocrine</i> , 1997, 6, 31-37.	2.2	43
66	Roles of Stat1, Stat2, and Interferon Regulatory Factor-9 (IRF-9) in Interferon Tau Regulation of IRF-11. <i>Biology of Reproduction</i> , 2002, 66, 393-400.	1.2	43
67	ITGA5 (alpha 5 integrins) bind SPP1 (osteopontin) to support trophoblast cell adhesion. <i>Reproduction</i> , 2017, 153, 695-706.	1.1	41
68	ISOLATION, IMMORTALIZATION, AND INITIAL CHARACTERIZATION OF UTERINE CELL LINES: AN IN VITRO MODEL SYSTEM FOR THE PORCINE UTERUS. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2000, 36, 650.	0.7	38
69	Interferon- γ (IFN- γ) Regulation of IFN-Stimulated Gene Expression in Cell Lines Lacking Specific IFN-Signaling Components*. <i>Endocrinology</i> , 2001, 142, 1786-1794.	1.4	38
70	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.	1.2	38
71	Immunohistochemical Examination of Trophoblast Syncytialization during Early Placentation in Sheep. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4530.	1.8	38
72	Monocyte Chemotactic Protein-1 and -2 Messenger Ribonucleic Acids in the Ovine Uterus: Regulation by Pregnancy, Progesterone, and Interferon- γ . <i>Biology of Reproduction</i> , 2001, 64, 992-1000.	1.2	35

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73	Select Nutrients in the Ovine Uterine Lumen. VI. Expression of FK506-Binding Protein 12-Rapamycin Complex-Associated Protein 1 (FRAP1) and Regulators and Effectors of mTORC1 and mTORC2 Complexes in Ovine Uteri and Conceptuses1. <i>Biology of Reproduction</i> , 2009, 81, 87-100.	1.2	35
74	Cellular events during ovine implantation and impact for gestation. <i>Animal Reproduction</i> , 2018, 15, 843-855.	0.4	32
75	The Temporal Expression of Osteopontin (SPP-1) in the Rodent Model of Alcoholic Steatohepatitis: A Potential Biomarker. <i>Toxicologic Pathology</i> , 2006, 34, 373-384.	0.9	31
76	Effects of long-term progesterone on developmental and functional aspects of porcine uterine epithelia and vasculature: progesterone alone does not support development of uterine glands comparable to that of pregnancy. <i>Reproduction</i> , 2010, 140, 583-594.	1.1	30
77	Mechanotransduction drives morphogenesis to develop folding during placental development in pigs. <i>Placenta</i> , 2020, 90, 62-70.	0.7	27
78	Molecular Characterization and Expression of Porcine Bone Morphogenetic Protein Receptor-IB in the Uterus of Cyclic and Pregnant Gilts1. <i>Biology of Reproduction</i> , 2003, 68, 735-743.	1.2	25
79	The Sphingosine 1-Phosphate (S1P) Signaling Pathway Is Regulated During Pregnancy in Sheep1. <i>Biology of Reproduction</i> , 2010, 82, 876-887.	1.2	25
80	Progesterone and Placentation Increase Secreted Phosphoprotein One (SPP1 or Osteopontin) in Uterine Glands and Stroma for Histotrophic and Hematotrophic Support of Ovine Pregnancy1. <i>Biology of Reproduction</i> , 2008, 79, 983-990.	1.2	24
81	Uterine Histotroph and Conceptus Development. I. Cooperative Effects of Arginine and Secreted Phosphoprotein 1 on Proliferation of Ovine Trophectoderm Cells via Activation of the PDK1-Akt/PKB-TSC2-MTORC1 Signaling Cascade1. <i>Biology of Reproduction</i> , 2015, 92, 51.	1.2	24
82	Keratinocyte Growth Factor Is Up-Regulated by Estrogen in the Porcine Uterine Endometrium and Functions in Trophectoderm Cell Proliferation and Differentiation. , 0, .		24
83	Uterine Histotroph and Conceptus Development. II. Arginine and Secreted Phosphoprotein 1 Cooperatively Stimulate Migration and Adhesion of Ovine Trophectoderm Cells via Focal Adhesion-MTORC2 Mediated Cytoskeleton Reorganization. <i>Biology of Reproduction</i> , 2016, 95, 71-71.	1.2	21
84	Interferon- γ Activates Multiple Signal Transducer 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 that it contains material that is not U.S. Government work. , 0, .		20
85	Effects of long-term progesterone exposure on porcine uterine gene expression: progesterone alone does not induce secreted phosphoprotein 1 (osteopontin) in glandular epithelium. <i>Reproduction</i> , 2010, 140, 595-604.	1.1	18
86	Pig conceptuses secrete interferon gamma to recruit T cells to the endometrium during the peri-implantation period. <i>Biology of Reproduction</i> , 2020, 103, 1018-1029.	1.2	18
87	The Influence of Estrogen on Hepatobiliary Osteopontin (SPP1) Expression in a Female Rodent Model of Alcoholic Steatohepatitis. <i>Toxicologic Pathology</i> , 2009, 37, 492-501.	0.9	17
88	Placental Proteomics Reveal Insights into Fetal Alcohol Spectrum Disorders. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 1551-1558.	1.4	17
89	Steroids Regulate SLC2A1 and SLC2A3 to Deliver Glucose Into Trophectoderm for Metabolism via Glycolysis. <i>Endocrinology</i> , 2020, 161, .	1.4	17
90	Loss of ITGB3 in ovine conceptuses decreases conceptus expression of NOS3 and SPP1: implications for the developing placental vasculature. <i>Biology of Reproduction</i> , 2021, 104, 657-668.	1.2	17

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91	Glycosylation dependent cell adhesion molecule 1-like protein and I-selectin expression in sheep interplacentomal and placentomal endometrium. <i>Reproduction</i> , 2006, 131, 751-761.	1.1	15
92	Intrauterine Infusion of Latency-Associated Peptide (LAP) During Early Porcine Pregnancy Affects Conceptus Elongation and Placental Size. <i>Biology of Reproduction</i> , 2010, 82, 534-542.	1.2	15
93	Cloning of the Ovine Estrogen Receptor- β Promoter and Functional Regulation by Ovine Interferon- γ , 0, .		15
94	Implantation and Placentation in Ruminants. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2021, 234, 129-154.	1.0	14
95	Identification of appropriate reference genes for qPCR analyses of placental expression of SLC7A3 and induction of SLC5A1 in porcine endometrium. <i>Placenta</i> , 2017, 52, 1-9.	0.7	13
96	Integrins and OPN localize to adhesion complexes during placentation in sheep. <i>Reproduction</i> , 2020, 160, 521-532.	1.1	13
97	SPP1 expression in the mouse uterus and placenta: implications for implantation. <i>Biology of Reproduction</i> , 2021, 105, 892-904.	1.2	11
98	Interferon- γ , (IFN γ) Regulation of IFN-Stimulated Gene Expression in Cell Lines Lacking Specific IFN-Signaling Components. , 0, .		11
99	OPN binds alpha V integrin to promote endothelial progenitor cell incorporation into vasculature. <i>Reproduction</i> , 2020, 159, 465-478.	1.1	10
100	FTY720, a sphingosine analog, altered placentome histoarchitecture in ewes. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 2.	2.1	4
101	Elongating porcine conceptuses can utilize glutaminolysis as an anaplerotic pathway to maintain the TCA cycle. <i>Biology of Reproduction</i> , 2022, 107, 823-833.	1.2	3
102	Implantation. , 2011, , 654-657.		0
103	Growth and Development: Peri-Implantation Embryo. , 2011, , 593-596.		0
104	Maternal recognition of pregnancy. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , 2008, , 260-285.	0.1	0