

# Greg A Johnson

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103  
papers

6,789  
citations

51  
h-index

81  
g-index

104  
ext. papers

7,524  
ext. citations

3.9  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
103	Implantation and Placentation in Ruminants. <i>Advances in Anatomy, Embryology and Cell Biology</i> , <b>2021</b> , 234, 129-154	1.2	0
102	SPP1 expression in the mouse uterus and placenta: implications for implantation <i>Biology of Reproduction</i> , <b>2021</b> , 105, 892-904	3.9	0
101	Loss of ITGB3 in ovine conceptuses decreases conceptus expression of NOS3 and SPP1: implications for the developing placental vasculature <i>Biology of Reproduction</i> , <b>2021</b> , 104, 657-668	3.9	5
100	Steroids Regulate SLC2A1 and SLC2A3 to Deliver Glucose Into Trophoctoderm for Metabolism via Glycolysis. <i>Endocrinology</i> , <b>2020</b> , 161,	4.8	6
99	OPN binds alpha V integrin to promote endothelial progenitor cell incorporation into vasculature. <i>Reproduction</i> , <b>2020</b> , 159, 465-478	3.8	3
98	Integrins and OPN localize to adhesion complexes during placentation in sheep. <i>Reproduction</i> , <b>2020</b> , 160, 521-532	3.8	5
97	FTY720, a sphingosine analog, altered placentome histoarchitecture in ewes. <i>Journal of Animal Science and Biotechnology</i> , <b>2020</b> , 11, 2	6	2
96	Mechanotransduction drives morphogenesis to develop folding during placental development in pigs. <i>Placenta</i> , <b>2020</b> , 90, 62-70	3.4	12
95	Pig conceptuses secrete interferon gamma to recruit T cells to the endometrium during the peri-implantation period <i>Biology of Reproduction</i> , <b>2020</b> , 103, 1018-1029	3.9	3
94	Immunohistochemical Examination of Trophoblast Syncytialization during Early Placentation in Sheep. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	15
93	Extended Treatment with Glial Cell Line-Derived Neurotrophic Factor in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , <b>2019</b> , 9, 301-313	5.3	75
92	Randomized trial of intermittent intraputamenal glial cell line-derived neurotrophic factor in Parkinson's disease. <i>Brain</i> , <b>2019</b> , 142, 512-525	11.2	142
91	Cellular events during ovine implantation and impact for gestation. <i>Animal Reproduction</i> , <b>2018</b> , 15, 843-855	5.7	14
90	ITGAV (alpha v integrins) bind SPP1 (osteopontin) to support trophoblast cell adhesion. <i>Reproduction</i> , <b>2017</b> , 153, 695-706	3.8	21
89	Identification of appropriate reference genes for qPCR analyses of placental expression of SLC7A3 and induction of SLC5A1 in porcine endometrium. <i>Placenta</i> , <b>2017</b> , 52, 1-9	3.4	10
88	Placental Proteomics Reveal Insights into Fetal Alcohol Spectrum Disorders. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2017</b> , 41, 1551-1558	3.7	8
87	Uterine Histotroph and Conceptus Development. II. Arginine and Secreted Phosphoprotein 1 Cooperatively Stimulate Migration and Adhesion of Ovine Trophoctoderm Cells via Focal Adhesion-MTORC2 Mediated Cytoskeleton Reorganization. <i>Biology of Reproduction</i> , <b>2016</b> , 95, 71	3.9	13

86	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> , <b>2016</b> , 95, 108	3.9	22
85	Select nutrients and their effects on conceptus development in mammals. <i>Animal Nutrition</i> , <b>2015</b> , 1, 85-95	3.5	36
84	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 cascade. <i>Biology of Reproduction</i> , <b>2015</b> , 92, 51	3.9	16
83	The many faces of interferon tau. <i>Amino Acids</i> , <b>2015</b> , 47, 449-60	3.5	44
82	Osteopontin: a leading candidate adhesion molecule for implantation in pigs and sheep. <i>Journal of Animal Science and Biotechnology</i> , <b>2014</b> , 5, 56	6	56
81	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> , <b>2012</b> , 354, 22-33	4.4	38
80	Implantation <b>2011</b> , 654-657		
79	Growth and Development: Peri-Implantation Embryo <b>2011</b> , 593-596		
78	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> , <b>2011</b> , 84, 1139-47	3.9	53
77	Uterine receptivity to implantation of blastocysts in mammals. <i>Frontiers in Bioscience - Scholar</i> , <b>2011</b> , 3, 745-67	2.4	92
76	Select nutrients in the ovine uterine lumen. VII. Effects of arginine, leucine, glutamine, and glucose on trophectoderm cell signaling, proliferation, and migration. <i>Biology of Reproduction</i> , <b>2011</b> , 84, 62-9	3.9	74
75	Uterine histotroph and conceptus development: select nutrients and secreted phosphoprotein 1 affect mechanistic target of rapamycin cell signaling in ewes. <i>Biology of Reproduction</i> , <b>2011</b> , 85, 1094-107	3.9	62
74	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. <i>Biology of Reproduction</i> , <b>2011</b> , 84, 70-8	3.9	60
73	Intrauterine infusion of latency-associated peptide (LAP) during early porcine pregnancy affects conceptus elongation and placental size. <i>Biology of Reproduction</i> , <b>2010</b> , 82, 534-42	3.9	10
72	The sphingosine 1-phosphate (S1P) signaling pathway is regulated during pregnancy in sheep. <i>Biology of Reproduction</i> , <b>2010</b> , 82, 876-87	3.9	18
71	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> , <b>2010</b> , 140, 595-604	3.8	17
70	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> , <b>2010</b> , 140, 583-94	3.8	23
69	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. <i>Biology of Reproduction</i> , <b>2010</b> , 82, 854-64	3.9	51

68	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> , <b>2010</b> , 29, 369-82	11.4	64
67	Novel pathways for implantation and establishment and maintenance of pregnancy in mammals. <i>Molecular Human Reproduction</i> , <b>2010</b> , 16, 135-52	4.4	240
66	Stanniocalcin 1 is a luminal epithelial marker for implantation in pigs regulated by progesterone and estradiol. <i>Endocrinology</i> , <b>2009</b> , 150, 936-45	4.8	39
65	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> , <b>2009</b> , 81, 67-76	3.9	44
64	Secreted phosphoprotein 1 (SPP1, osteopontin) binds to integrin alpha v beta 6 on porcine trophectoderm cells and integrin alpha v beta 3 on uterine luminal epithelial cells, and promotes trophectoderm cell adhesion and migration. <i>Biology of Reproduction</i> , <b>2009</b> , 81, 814-25	3.9	92
63	The influence of estrogen on hepatobiliary osteopontin (SPP1) expression in a female rodent model of alcoholic steatohepatitis. <i>Toxicologic Pathology</i> , <b>2009</b> , 37, 492-501	2.1	15
62	Enhanced focal adhesion assembly reflects increased mechanosensation and mechanotransduction at maternal-conceptus interface and uterine wall during ovine pregnancy. <i>Reproduction</i> , <b>2009</b> , 137, 567-82	3.8	50
61	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 conceptuses. <i>Biology of Reproduction</i> , <b>2009</b> , 81, 87-100	3.9	31
60	Select nutrients in the ovine uterine lumen. ii. glucose transporters in the uterus and peri-implantation conceptuses. <i>Biology of Reproduction</i> , <b>2009</b> , 80, 94-104	3.9	85
59	Select nutrients in the ovine uterine lumen. I. Amino acids, glucose, and ions in uterine luminal flushings of cyclic and pregnant ewes. <i>Biology of Reproduction</i> , <b>2009</b> , 80, 86-93	3.9	148
58	Insulin-like growth factor binding protein-1 in the ruminant uterus: potential endometrial marker and regulator of conceptus elongation. <i>Endocrinology</i> , <b>2009</b> , 150, 4295-305	4.8	44
57	Comparative aspects of implantation. <i>Reproduction</i> , <b>2009</b> , 138, 195-209	3.8	254
56	Interferons and progesterone for establishment and maintenance of pregnancy: interactions among novel cell signaling pathways. <i>Reproductive Biology</i> , <b>2008</b> , 8, 179-211	2.3	146
55	Uterine MHC class I molecules and beta 2-microglobulin are regulated by progesterone and conceptus interferons during pig pregnancy. <i>Journal of Immunology</i> , <b>2008</b> , 181, 2494-505	5.3	53
54	Progesterone and placentation increase secreted phosphoprotein one (SPP1 or osteopontin) in uterine glands and stroma for histotrophic and hematotrophic support of ovine pregnancy. <i>Biology of Reproduction</i> , <b>2008</b> , 79, 983-90	3.9	22
53	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> , <b>2008</b> , 149, 3085-94	4.8	60
52	Maternal recognition of pregnancy. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , <b>2008</b> , 260-285		
51	Pig conceptuses secrete estrogen and interferons to differentially regulate uterine STAT1 in a temporal and cell type-specific manner. <i>Endocrinology</i> , <b>2007</b> , 148, 4420-31	4.8	70

50	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> , <b>2007</b> , 77, 292-302	3.9	42
49	Regulation of expression of fibroblast growth factor 7 in the pig uterus by progesterone and estradiol. <i>Biology of Reproduction</i> , <b>2007</b> , 77, 172-80	3.9	53
48	Galectin 15 (LGALS15): a gene uniquely expressed in the uteri of sheep and goats that functions in trophoblast attachment. <i>Biology of Reproduction</i> , <b>2007</b> , 77, 1027-36	3.9	43
47	Important roles for the arginine family of amino acids in swine nutrition and production. <i>Livestock Science</i> , <b>2007</b> , 112, 8-22	1.7	187
46	Pregnancy recognition and conceptus implantation in domestic ruminants: roles of progesterone, interferons and endogenous retroviruses. <i>Reproduction, Fertility and Development</i> , <b>2007</b> , 19, 65-78	1.8	211
45	Premature estrogen exposure alters endometrial gene expression to disrupt pregnancy in the pig. <i>Endocrinology</i> , <b>2007</b> , 148, 4761-73	4.8	46
44	Glycosylation dependent cell adhesion molecule 1-like protein and L-selectin expression in sheep interplacentomal and placentomal endometrium. <i>Reproduction</i> , <b>2006</b> , 131, 751-61	3.8	9
43	The temporal expression of osteopontin (SPP-1) in the rodent model of alcoholic steatohepatitis: a potential biomarker. <i>Toxicologic Pathology</i> , <b>2006</b> , 34, 373-84	2.1	30
42	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> , <b>2006</b> , 132, 919-29	3.8	42
41	Polyamine synthesis from proline in the developing porcine placenta. <i>Biology of Reproduction</i> , <b>2005</b> , 72, 842-50	3.9	115
40	Steroid regulation of cell specific secreted phosphoprotein 1 (osteopontin) expression in the pregnant porcine uterus. <i>Biology of Reproduction</i> , <b>2005</b> , 73, 1294-301	3.9	78
39	Interferon stimulated gene 15 conjugates to endometrial cytosolic proteins and is expressed at the uterine-placental interface throughout pregnancy in sheep. <i>Endocrinology</i> , <b>2005</b> , 146, 675-84	4.8	48
38	Functional effects of transforming growth factor beta on adhesive properties of porcine trophectoderm. <i>Endocrinology</i> , <b>2005</b> , 146, 3933-42	4.8	55
37	Implantation mechanisms: insights from the sheep. <i>Reproduction</i> , <b>2004</b> , 128, 657-68	3.8	234
36	Glutamine synthesis in the developing porcine placenta. <i>Biology of Reproduction</i> , <b>2004</b> , 70, 1444-51	3.9	72
35	Progesterone and placental hormone actions on the uterus: insights from domestic animals. <i>Biology of Reproduction</i> , <b>2004</b> , 71, 2-10	3.9	250
34	Ovine placental lactogen specifically binds to endometrial glands of the ovine uterus. <i>Biology of Reproduction</i> , <b>2003</b> , 68, 772-80	3.9	51
33	Pregnancy and interferon tau regulate major histocompatibility complex class I and beta2-microglobulin expression in the ovine uterus. <i>Biology of Reproduction</i> , <b>2003</b> , 68, 1703-10	3.9	71

32	Molecular characterization and expression of porcine bone morphogenetic protein receptor-IB in the uterus of cyclic and pregnant gilts. <i>Biology of Reproduction</i> , <b>2003</b> , 68, 735-43	3.9	25
31	Osteopontin expression in uterine stroma indicates a decidualization-like differentiation during ovine pregnancy. <i>Biology of Reproduction</i> , <b>2003</b> , 68, 1951-8	3.9	68
30	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> , <b>2003</b> , 69, 92-8	3.9	52
29	Osteopontin: roles in implantation and placentation. <i>Biology of Reproduction</i> , <b>2003</b> , 69, 1458-71	3.9	235
28	Integrins and extracellular matrix proteins at the maternal-fetal interface in domestic animals. <i>Cells Tissues Organs</i> , <b>2002</b> , 172, 202-17	2.1	115
27	Roles of Stat1, Stat2, and interferon regulatory factor-9 (IRF-9) in interferon tau regulation of IRF-1. <i>Biology of Reproduction</i> , <b>2002</b> , 66, 393-400	3.9	30
26	Analysis of osteopontin at the maternal-placental interface in pigs. <i>Biology of Reproduction</i> , <b>2002</b> , 66, 718-25	3.9	102
25	Effects of the estrous cycle, pregnancy, and interferon tau on 2 $\beta$ 5Toligoadenylate synthetase expression in the ovine uterus. <i>Biology of Reproduction</i> , <b>2001</b> , 64, 1392-9	3.9	76
24	Monocyte chemotactic protein-1 and -2 messenger ribonucleic acids in the ovine uterus: regulation by pregnancy, progesterone, and interferon-tau. <i>Biology of Reproduction</i> , <b>2001</b> , 64, 992-1000	3.9	30
23	Interferon regulatory factor-two restricts expression of interferon-stimulated genes to the endometrial stroma and glandular epithelium of the ovine uterus. <i>Biology of Reproduction</i> , <b>2001</b> , 65, 1038-49	3.9	127
22	Muc-1, integrin, and osteopontin expression during the implantation cascade in sheep. <i>Biology of Reproduction</i> , <b>2001</b> , 65, 820-8	3.9	159
21	Interferon-tau activates multiple signal transducer and activator of transcription proteins and has complex effects on interferon-responsive gene transcription in ovine endometrial epithelial cells. <i>Endocrinology</i> , <b>2001</b> , 142, 98-107	4.8	82
20	Keratinocyte growth factor is up-regulated by estrogen in the porcine uterine endometrium and functions in trophectoderm cell proliferation and differentiation. <i>Endocrinology</i> , <b>2001</b> , 142, 2303-10	4.8	119
19	Interferon-tau (IFNtau) regulation of IFN-stimulated gene expression in cell lines lacking specific IFN-signaling components. <i>Endocrinology</i> , <b>2001</b> , 142, 1786-94	4.8	34
18	Cloning of the ovine estrogen receptor-alpha promoter and functional regulation by ovine interferon-tau. <i>Endocrinology</i> , <b>2001</b> , 142, 2879-87	4.8	50
17	Developmental biology of uterine glands. <i>Biology of Reproduction</i> , <b>2001</b> , 65, 1311-23	3.9	331
16	Bovine interferon-tau stimulates the Janus kinase-signal transducer and activator of transcription pathway in bovine endometrial epithelial cells. <i>Biology of Reproduction</i> , <b>2001</b> , 64, 654-65	3.9	63
15	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> , <b>2000</b> , 36, 650-6	2.6	27

14	Keratinocyte growth factor: expression by endometrial epithelia of the porcine uterus. <i>Biology of Reproduction</i> , <b>2000</b> , 62, 1772-8	3.9	82
13	Prolactin receptor and uterine milk protein expression in the ovine endometrium during the estrous cycle and pregnancy. <i>Biology of Reproduction</i> , <b>2000</b> , 62, 1779-89	3.9	120
12	Interferon-tau and progesterone regulate ubiquitin cross-reactive protein expression in the ovine uterus. <i>Biology of Reproduction</i> , <b>2000</b> , 62, 622-7	3.9	68
11	Progesterone modulation of osteopontin gene expression in the ovine uterus. <i>Biology of Reproduction</i> , <b>2000</b> , 62, 1315-21	3.9	78
10	Expression of the interferon tau inducible ubiquitin cross-reactive protein in the ovine uterus. <i>Biology of Reproduction</i> , <b>1999</b> , 61, 312-8	3.9	114
9	Ovine osteopontin: I. Cloning and expression of messenger ribonucleic acid in the uterus during the periimplantation period. <i>Biology of Reproduction</i> , <b>1999</b> , 61, 884-91	3.9	87
8	Ovine osteopontin: II. Osteopontin and alpha(v)beta(3) integrin expression in the uterus and conceptus during the periimplantation period. <i>Biology of Reproduction</i> , <b>1999</b> , 61, 892-9	3.9	114
7	Development and characterization of immortalized ovine endometrial cell lines. <i>Biology of Reproduction</i> , <b>1999</b> , 61, 1324-30	3.9	78
6	Effects of recombinant ovine interferon tau, placental lactogen, and growth hormone on the ovine uterus. <i>Biology of Reproduction</i> , <b>1999</b> , 61, 1409-18	3.9	114
5	Bovine granulocyte chemotactic protein-2 is secreted by the endometrium in response to interferon-tau (IFN- $\tau$ ) <i>Endocrine</i> , <b>1997</b> , 6, 31-7		39
4	Interferon- $\tau$ 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		20
3	Interferon- $\tau$ Regulation of IFN-Stimulated Gene Expression in Cell Lines Lacking Specific h 18 IFN-Signaling Components o indica		11
2	Keratinocyte Growth Factor Is Up-Regulated by Estrogen in the Porcine Uterine Endometrium and Functions in Trophectoderm Cell Proliferation and Differentiation		23
1	Cloning of the Ovine Estrogen Receptor-Promoter and Functional Regulation by Ovine Interferon- $\tau$		15