

# Antonio Gonzalez-Bulnes

## List of Publications by Year in descending order

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Version: 2024-02-01

245  
papers

4,634  
citations

136950

32  
h-index

223800

46  
g-index

249  
all docs

249  
docs citations

249  
times ranked

3502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hormonal control of reproduction in small ruminants. <i>Animal Reproduction Science</i> , 2012, 130, 173-179.	1.5	171
2	Multiple factors affecting the efficiency of multiple ovulation and embryo transfer in sheep and goats. <i>Reproduction, Fertility and Development</i> , 2004, 16, 421.	0.4	94
3	Effects of progestagens and prostaglandin analogues on ovarian function and embryo viability in sheep. <i>Theriogenology</i> , 2005, 63, 2523-2534.	2.1	90
4	Comparative Analysis of Muscle Transcriptome between Pig Genotypes Identifies Genes and Regulatory Mechanisms Associated to Growth, Fatness and Metabolism. <i>PLoS ONE</i> , 2015, 10, e0145162.	2.5	83
5	Animal Welfare and Livestock Supply Chain Sustainability Under the COVID-19 Outbreak: An Overview. <i>Frontiers in Veterinary Science</i> , 2020, 7, 582528.	2.2	83
6	Pharmaceutical Control of Reproduction in Sheep and Goats. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2011, 27, 67-79.	1.2	76
7	Diet-Induced Swine Model with Obesity/Leptin Resistance for the Study of Metabolic Syndrome and Type 2 Diabetes. <i>Scientific World Journal, The</i> , 2012, 2012, 1-8.	2.1	59
8	Exogenous melatonin positively influences follicular dynamics, oocyte developmental competence and blastocyst output in a goat model. <i>Journal of Pineal Research</i> , 2009, 46, 383-391.	7.4	56
9	Developmental Stage, Muscle and Genetic Type Modify Muscle Transcriptome in Pigs: Effects on Gene Expression and Regulatory Factors Involved in Growth and Metabolism. <i>PLoS ONE</i> , 2016, 11, e0167858.	2.5	56
10	Ultrasonographic Imaging in Small Ruminant Reproduction. <i>Reproduction in Domestic Animals</i> , 2010, 45, 9-20.	1.4	54
11	Systemic and intraovarian effects of dominant follicles on ovine follicular growth. <i>Animal Reproduction Science</i> , 2004, 84, 107-119.	1.5	53
12	Measurement of inhibin A and follicular status predict the response of ewes to superovulatory FSH treatments. <i>Theriogenology</i> , 2002, 57, 1263-1272.	2.1	52
13	Differences in reproductive pattern between wild and domestic rams are not associated with inter-specific annual variations in plasma prolactin and melatonin concentrations. <i>Domestic Animal Endocrinology</i> , 2005, 28, 416-429.	1.6	51
14	The effects of previous ovarian status on ovulation rate and early embryo development in response to superovulatory FSH treatments in sheep. <i>Theriogenology</i> , 2005, 63, 1973-1983.	2.1	50
15	Developmental Origins of Health and Disease in swine: implications for animal production and biomedical research. <i>Theriogenology</i> , 2016, 86, 110-119.	2.1	49
16	Contribution of fish consumption to heavy metals exposure in women of childbearing age from a Mediterranean country (Spain). <i>Food and Chemical Toxicology</i> , 2008, 46, 1591-1595.	3.6	48
17	Endogenous Circannual Cycles of Ovarian Activity and Changes in Prolactin and Melatonin Secretion in Wild and Domestic Female Sheep Maintained under a Long-Day Photoperiod1. <i>Biology of Reproduction</i> , 2008, 78, 552-562.	2.7	45
18	Efficiency of estrous synchronization in tropical sheep by combining short-interval cloprostenol-based protocols and "female effect". <i>Theriogenology</i> , 2009, 71, 1018-1025.	2.1	43

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19	Gender-specific early postnatal catch-up growth after intrauterine growth retardation by food restriction in swine with obesity/leptin resistance. <i>Reproduction</i> , 2012, 144, 269-278.	2.6	43
20	Seasonal changes in ovulatory activity, plasma prolactin, and melatonin concentrations, in Mouflon ( <i>Ovis gmelini musimon</i> ) and Manchega ( <i>Ovis aries</i> ) ewes. <i>Reproduction, Nutrition, Development</i> , 2000, 40, 421-430.	1.9	42
21	Procedure for Maximizing Oocyte Harvest for In Vitro Embryo Production in Small Ruminants. <i>Reproduction in Domestic Animals</i> , 2007, 42, 423-426.	1.4	42
22	Seventy years of progestagen treatments for management of the sheep oestrous cycle: where we are and where we should go. <i>Reproduction, Fertility and Development</i> , 2020, 32, 441.	0.4	42
23	Ovulation rate, embryo mortality and intrauterine growth retardation in obese swine with gene polymorphisms for leptin and melanocortin receptors. <i>Theriogenology</i> , 2011, 75, 34-41.	2.1	41
24	Prenatal programming in an obese swine model: sex-related effects of maternal energy restriction on morphology, metabolism and hypothalamic gene expression. <i>British Journal of Nutrition</i> , 2014, 111, 735-746.	2.3	39
25	Maternal Malnutrition and Offspring Sex Determine Juvenile Obesity and Metabolic Disorders in a Swine Model of Leptin Resistance. <i>PLoS ONE</i> , 2013, 8, e78424.	2.5	38
26	Body condition and protein supplementation positively affect periovulatory ovarian activity by non LH-mediated pathways in goats. <i>Animal Reproduction Science</i> , 2008, 106, 412-420.	1.5	37
27	Multiple factors affecting the efficiency of multiple ovulation and embryo transfer in sheep and goats. <i>Reproduction, Fertility and Development</i> , 2004, 16, 421-35.	0.4	37
28	Models of Intrauterine growth restriction and fetal programming in rabbits. <i>Molecular Reproduction and Development</i> , 2019, 86, 1781-1809.	2.0	36
29	Effect of follicular status on superovulatory response in ewes is influenced by presence of corpus luteum at first FSH dose. <i>Theriogenology</i> , 2002, 58, 1607-1614.	2.1	35
30	Influence of maternal environment on the number of transferable embryos obtained in response to superovulatory FSH treatments in ewes. <i>Reproduction, Nutrition, Development</i> , 2003, 43, 17-28.	1.9	35
31	New estrus synchronization and artificial insemination protocol for goats based on male exposure, progesterone and cloprostenol during the non-breeding season. <i>Theriogenology</i> , 2007, 68, 1081-1087.	2.1	35
32	Fertility in a high-altitude environment is compromised by luteal dysfunction: the relative roles of hypoxia and oxidative stress. <i>Reproductive Biology and Endocrinology</i> , 2013, 11, 24.	3.3	35
33	Disruption of the endothelial nitric oxide synthase gene affects ovulation, fertilization and early embryo survival in a knockout mouse model. <i>Reproduction</i> , 2008, 136, 573-579.	2.6	34
34	Predictive value of antral follicle count and anti-Müllerian hormone for follicle and oocyte developmental competence during the early prepubertal period in a sheep model. <i>Reproduction, Fertility and Development</i> , 2014, 26, 1094.	0.4	33
35	Polyphenols and IUGR pregnancies: Maternal hydroxytyrosol supplementation improves prenatal and early-postnatal growth and metabolism of the offspring. <i>PLoS ONE</i> , 2017, 12, e0177593.	2.5	33
36	Polyphenols in Farm Animals: Source of Reproductive Gain or Waste?. <i>Antioxidants</i> , 2020, 9, 1023.	5.1	33

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37	Causes, characteristics and consequences of anovulatory follicles in superovulated sheep. Domestic Animal Endocrinology, 2006, 30, 76-87.	1.6	31
38	A new method for induction and synchronization of oestrus and fertile ovulations in mice by using exogenous hormones. Laboratory Animals, 2009, 43, 295-299.	1.0	31
39	Early-postnatal changes in adiposity and lipids profile by transgenerational developmental programming in swine with obesity/leptin resistance. Journal of Endocrinology, 2014, 223, M17-M29.	2.6	31
40	Estimated daily intake of pesticides and xenoestrogenic exposure by fruit consumption in the female population from a Mediterranean country (Spain). Food Control, 2010, 21, 471-477.	5.5	30
41	State-of-the-Art and Prospective of Nanotechnologies for Smart Reproductive Management of Farm Animals. Animals, 2020, 10, 840.	2.3	30
42	Origin of the preovulatory follicle in Mouflon sheep ( <i>Ovis gmelini musimon</i> ) and effect on growth of remaining follicles during the follicular phase of oestrous cycle. Animal Reproduction Science, 2001, 65, 265-272.	1.5	29
43	Reproductive season affects inhibitory effects from large follicles on the response to superovulatory FSH treatments in ewes. Theriogenology, 2003, 60, 281-288.	2.1	29
44	Seasonal Endocrine Changes and Breeding Activity in Mediterranean Wild Ruminants. Reproduction in Domestic Animals, 2006, 41, 72-81.	1.4	28
45	Sex steroid receptor expression in the oviduct and uterus of sheep with estrus synchronized with progestagen or prostaglandin analogues. Animal Reproduction Science, 2007, 97, 25-35.	1.5	28
46	Influence of leptin on in vitro maturation and steroidogenic secretion of cumulus-oocyte complexes through JAK2/STAT3 and MEK 1/2 pathways in the rabbit model. Reproduction, 2010, 139, 523-532.	2.6	28
47	Intravaginal Device-Type and Treatment-Length for Ovine Estrus Synchronization Modify Vaginal Mucus and Microbiota and Affect Fertility. Animals, 2018, 8, 226.	2.3	28
48	Agro-Livestock Farming System Sustainability during the COVID-19 Era: A Cross-Sectional Study on the Role of Information and Communication Technologies. Sustainability, 2021, 13, 6521.	3.2	28
49	Empowering Translational Research in Fetal Growth Restriction: Sheep and Swine Animal Models. Current Pharmaceutical Biotechnology, 2016, 17, 848-855.	1.6	28
50	Seasonal ovulatory activity and plasma prolactin concentrations in the Spanish ibex ( <i>Capra pyrenaica</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	27
51	Cellular localization and changes in expression of prolactin receptor isoforms in sheep ovary throughout the estrous cycle. Reproduction, 2004, 128, 545-553.	2.6	27
52	Induction of the presence of corpus luteum during superovulatory treatments enhances in vivo and in vitro blastocysts output in sheep. Theriogenology, 2005, 64, 1392-1403.	2.1	27
53	Glucogenic supply increases ovulation rate by modifying follicle recruitment and subsequent development of preovulatory follicles without effects on ghrelin secretion. Reproduction, 2008, 136, 65-72.	2.6	27
54	In vivo virtual histology of mouse embryogenesis by ultrasound biomicroscopy and magnetic resonance imaging. Reproduction, Fertility and Development, 2009, 21, 283.	0.4	27

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55	Polyphenols and IUGR Pregnancies: Effects of Maternal Hydroxytyrosol Supplementation on Placental Gene Expression and Fetal Antioxidant Status, DNA-Methylation and Phenotype. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1187.	4.1	27
56	Influence of Maternal Factors (Weight, Body Condition, Parity, and Pregnancy Rank) on Plasma Metabolites of Dairy Ewes and Their Lambs. <i>Animals</i> , 2019, 9, 122.	2.3	27
57	Ovarian follicular dynamics and plasma steroid concentrations are not significantly different in ewes given intravaginal sponges containing either 20 or 40mg of fluorogestone acetate. <i>Theriogenology</i> , 2009, 71, 676-682.	2.1	26
58	Origin and fate of preovulatory follicles after induced luteolysis at different stages of the luteal phase of the oestrous cycle in goats. <i>Animal Reproduction Science</i> , 2005, 86, 237-245.	1.5	25
59	Effects of Body Condition and Protein Supplementation on LH Secretion and Luteal Function in Sheep. <i>Reproduction in Domestic Animals</i> , 2007, 42, 461-465.	1.4	25
60	Hypoxia and Oxidative Stress Are Associated with Reduced Fetal Growth in Twin and Undernourished Sheep Pregnancies. <i>Animals</i> , 2018, 8, 217.	2.3	25
61	Effects of ovarian follicular status on superovulatory response of dairy goats to FSH treatment. <i>Small Ruminant Research</i> , 2003, 48, 9-14.	1.2	24
62	Influence of age at first lambing on reproductive and productive performance of Lacaune dairy sheep under an intensive management system. <i>Journal of Dairy Research</i> , 2011, 78, 160-167.	1.4	24
63	Genetic Basis, Nutritional Challenges and Adaptive Responses in the Prenatal Origin of Obesity and Type-2 Diabetes. <i>Current Diabetes Reviews</i> , 2012, 8, 144-154.	1.3	24
64	Influence of Progesterone-Treatment Length and eCG Administration on Appearance of Estrus Behavior, Ovulatory Success and Fertility in Sheep. <i>Animals</i> , 2019, 9, 9.	2.3	24
65	Systemic and intraovarian effects of corpus luteum on follicular dynamics during estrous cycle in hair breed sheep. <i>Animal Reproduction Science</i> , 2008, 104, 47-55.	1.5	23
66	Neuroendocrine, Metabolic and Genomic Cues Signalling the Onset of Puberty in Females. <i>Reproduction in Domestic Animals</i> , 2010, 45, e495.	1.4	23
67	Glucogenic supply increases oocyte developmental competence in sheep. <i>Reproduction, Fertility and Development</i> , 2012, 24, 1055.	0.4	23
68	Reproductive, endocrine and metabolic feto-maternal features and placental gene expression in a swine breed with obesity/leptin resistance. <i>General and Comparative Endocrinology</i> , 2012, 176, 94-101.	1.8	23
69	Preselection of high and low ovulatory responders in sheep multiple ovulation and embryo transfer programs. <i>Theriogenology</i> , 2015, 84, 784-790.	2.1	23
70	Efficiency of GnRH-Loaded Chitosan Nanoparticles for Inducing LH Secretion and Fertile Ovulations in Protocols for Artificial Insemination in Rabbit Does. <i>Animals</i> , 2021, 11, 440.	2.3	23
71	Effect of GnRH antagonists treatment on gonadotrophin secretion, follicular development and inhibin A secretion in goats. <i>Theriogenology</i> , 2004, 61, 977-985.	2.1	22
72	Timing of Preovulatory LH Surge and Ovulation in Superovulated Sheep are Affected by Follicular Status at Start of the FSH Treatment. <i>Reproduction in Domestic Animals</i> , 2007, 43, 070925033119006-???	1.4	22

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73	The effects of sildenafil citrate on fetal placental development and haemodynamics in a rabbit model of intrauterine growth restriction. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1239.	0.4	22
74	Efficiency of CIDR-Based Protocols Including GnRH Instead of eCG for Estrus Synchronization in Sheep. <i>Animals</i> , 2019, 9, 146.	2.3	22
75	Effect of an Obesogenic Diet During the Juvenile Period on Growth Pattern, Fatness and Metabolic, Cardiovascular and Reproductive Features of Swine with Obesity/Leptin Resistance. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2013, 13, 143-151.	1.2	22
76	Patterns of Follicular Growth in Superovulated Sheep and Influence on Endocrine and Ovarian Response. <i>Reproduction in Domestic Animals</i> , 2002, 37, 357-361.	1.4	21
77	Effects of progestagens on follicular growth and oocyte developmental competence in FSH-treated ewes. <i>Domestic Animal Endocrinology</i> , 2007, 32, 303-314.	1.6	21
78	Short-term intake of $\beta$ -carotene-supplemented diets enhances ovarian function and progesterone synthesis in goats. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2009, 93, 710-715.	2.2	21
79	Steroidogenesis in sheep pregnancy with intrauterine growth retardation by high-altitude hypoxia: effects of maternal altitudinal status and antioxidant treatment. <i>Reproduction, Fertility and Development</i> , 2013, 25, 639.	0.4	21
80	Sex and Breed-Dependent Organ Development and Metabolic Responses in Foetuses from Lean and Obese/Leptin Resistant Swine. <i>PLoS ONE</i> , 2013, 8, e66728.	2.5	21
81	Advanced Onset of Puberty in Gilts of <i>Thrifty Genotype</i> (Iberian Pig). <i>Reproduction in Domestic Animals</i> , 2010, 45, 1003-1007.	1.4	20
82	Melatonin deprivation modifies follicular and corpus luteal growth dynamics in a sheep model. <i>Reproduction</i> , 2014, 147, 885-895.	2.6	20
83	Postnatal pituitary and follicular activation: a revisited hypothesis in a sheep model. <i>Reproduction</i> , 2016, 151, 215-225.	2.6	20
84	The Iberian pig fed with high-fat diet: a model of renal disease in obesity and metabolic syndrome. <i>International Journal of Obesity</i> , 2020, 44, 457-465.	3.4	20
85	Supplementation with Proline Improves Haemato-Biochemical and Reproductive Indicators in Male Rabbits Affected by Environmental Heat-Stress. <i>Animals</i> , 2021, 11, 373.	2.3	20
86	Effects of breed on kinetics of ovine FSH and ovarian response in superovulated sheep. <i>Theriogenology</i> , 2006, 66, 896-905.	2.1	19
87	Fetal growth retardation and brain sparing by malnutrition are associated to changes in neurotransmitters profile. <i>International Journal of Developmental Neuroscience</i> , 2017, 57, 72-76.	1.6	19
88	Disturbances in Maternal Steroidogenesis and Appearance of Intrauterine Growth Retardation at High-Altitude Environments Are Established from Early Pregnancy. Effects of Treatment with Antioxidant Vitamins. <i>PLoS ONE</i> , 2015, 10, e0140902.	2.5	19
89	Oestrous behaviour and development of preovulatory follicles in goats induced to ovulate using the male effect with and without progesterone priming. <i>Reproduction, Fertility and Development</i> , 2006, 18, 745.	0.4	18
90	Intrauterine Growth Retardation in Endothelial Nitric Oxide Synthase-Deficient Mice Is Established from Early Stages of Pregnancy. <i>Biology of Reproduction</i> , 2008, 78, 1002-1006.	2.7	18

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91	Repeatability of superovulatory response to successive FSH treatments in Merino sheep. <i>Small Ruminant Research</i> , 2014, 120, 84-89.	1.2	18
92	Contribution of Large Animals to Translational Research on Prenatal Programming of Obesity and Associated Diseases. <i>Current Pharmaceutical Biotechnology</i> , 2017, 18, 541-551.	1.6	18
93	Plasma inhibin A determination at start superovulatory FSH treatments is predictive for embryo outcome in goats. <i>Domestic Animal Endocrinology</i> , 2004, 26, 259-266.	1.6	17
94	Influence of age on the relationship between annual changes in horn growth rate and prolactin secretion in the European mouflon ( <i>Ovis gmelini musimon</i> ). <i>Animal Reproduction Science</i> , 2005, 85, 251-261.	1.5	17
95	Relative roles of photoperiodic and nutritional cues in modulating ovarian activity in goats. <i>Reproductive Biology</i> , 2009, 9, 283-294.	1.9	17
96	Glutamate supply positively affects serum release of triiodothyronine and insulin across time without increases of glucose during the onset of puberty in female goats. <i>Animal Reproduction Science</i> , 2011, 125, 74-80.	1.5	17
97	Inclusion of seminal plasma in sperm cryopreservation of Iberian pig. <i>Animal Reproduction Science</i> , 2012, 130, 82-90.	1.5	17
98	Sex and intrauterine growth restriction modify brain neurotransmitters profile of newborn piglets. <i>International Journal of Developmental Neuroscience</i> , 2016, 55, 9-14.	1.6	17
99	Effects of fetal genotype and sex on developmental response to maternal malnutrition. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1155.	0.4	17
100	Effects of a Nanoencapsulated Moringa Leaf Ethanolic Extract on the Physiology, Metabolism and Reproductive Performance of Rabbit Does during Summer. <i>Antioxidants</i> , 2021, 10, 1326.	5.1	17
101	Competition for Materno-Fetal Resource Partitioning in a Rabbit Model of Undernourished Pregnancy. <i>PLoS ONE</i> , 2017, 12, e0169194.	2.5	17
102	Timing of emergence of ovulatory follicles in polyovulatory goats. <i>Animal Reproduction Science</i> , 2006, 91, 275-284.	1.5	16
103	Survival of frozen-thawed sheep embryos cryopreserved at cleavage stages. <i>Cryobiology</i> , 2006, 52, 108-113.	0.7	16
104	Features of follicle-stimulating hormone-stimulated follicles in a sheep model: keys to elucidate embryo failure in assisted reproductive technique cycles. <i>Fertility and Sterility</i> , 2008, 89, 1328-1337.	1.0	16
105	Characterization of early changes in fetoplacental hemodynamics in a diet-induced rabbit model of IUGR. <i>Journal of Developmental Origins of Health and Disease</i> , 2015, 6, 454-461.	1.4	16
106	Dietary vitamin A restriction affects adipocyte differentiation and fatty acid composition of intramuscular fat in Iberian pigs. <i>Meat Science</i> , 2015, 108, 9-16.	5.5	16
107	Effects of short-term intravaginal progestagens on the onset and features of estrus, preovulatory LH surge and ovulation in sheep. <i>Animal Reproduction Science</i> , 2018, 197, 317-323.	1.5	16
108	Rapid Communication: Maternal melatonin implants improve fetal oxygen supply and body weight at term in sheep pregnancies <sup>1</sup> . <i>Journal of Animal Science</i> , 2019, 97, 839-845.	0.5	16



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109	Mechanisms of action of the principal prolific genes and their application to sheep production. <i>Reproduction, Fertility and Development</i> , 2004, 16, 395.	0.4	15
110	Enhancement of Ovulatory Follicle Development in Maiden Sheep by Short-term Supplementation with Steam-flaked Corn. <i>Reproduction in Domestic Animals</i> , 2008, 43, 222-227.	1.4	15
111	Influence of nutritional and socio-sexual cues upon reproductive efficiency of goats exposed to the male effect under extensive conditions. <i>Animal Production Science</i> , 2010, 50, 897.	1.3	15
112	Influence of hormonal and nonhormonal estrus synchronization methods on follicular and oocyte quality in primiparous lactating does at early postpartum period. <i>Theriogenology</i> , 2010, 73, 26-35.	2.1	15
113	Substantiation of Ovarian Effects of Leptin by Challenging a Mouse Model of Obesity/ Type 2 Diabetes. <i>Theriogenology</i> , 2010, 73, 1088-1095.	2.1	15
114	Nutritional and metabolic modulation of the male effect on the resumption of ovulatory activity in goats. <i>Animal Production Science</i> , 2011, 51, 115.	1.3	15
115	Identification of factors affecting colostrum quality of dairy Lacaune ewes assessed with the Brix refractometer. <i>Journal of Dairy Research</i> , 2017, 84, 440-443.	1.4	15
116	Ontogeny of Sex-Related Differences in Foetal Developmental Features, Lipid Availability and Fatty Acid Composition. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1171.	4.1	15
117	A diet supplemented with n-3 polyunsaturated fatty acids influences the metabomscic and endocrine response of rabbit does and their offspring <sup>1</sup> . <i>Journal of Animal Science</i> , 2017, 95, 2690-2700.	0.5	15
118	Polyphenols and IUGR Pregnancies: Effects of Maternal Hydroxytyrosol Supplementation on Hepatic Fat Accretion and Energy and Fatty Acids Profile of Fetal Tissues. <i>Nutrients</i> , 2019, 11, 1534.	4.1	15
119	Polyphenols and IUGR Pregnancies: Effects of Maternal Hydroxytyrosol Supplementation on Postnatal Growth, Metabolism and Body Composition of the Offspring. <i>Antioxidants</i> , 2019, 8, 535.	5.1	15
120	Nanotechnology and Reproductive Management of Farm Animals: Challenges and Advances. <i>Animals</i> , 2021, 11, 1932.	2.3	15
121	Fetal Sex Modulates Developmental Response to Maternal Malnutrition. <i>PLoS ONE</i> , 2015, 10, e0142158.	2.5	15
122	PREDICTION OF GESTATIONAL AGE BY TRANSRECTAL ULTRASONOGRAPHIC MEASUREMENTS IN THE MOUFLON ( <i>OVIS GMELINI MUSIMON</i> ). <i>Journal of Zoo and Wildlife Medicine</i> , 2005, 36, 457-462.	0.6	14
123	Culture of early stage ovine embryos to blastocyst enhances survival rate after cryopreservation. <i>Theriogenology</i> , 2005, 63, 2233-2242.	2.1	14
124	Follicular growth, endocrine response and embryo yields in sheep superovulated with FSH after pretreatment with a single short-acting dose of GnRH antagonist. <i>Theriogenology</i> , 2005, 64, 1833-1843.	2.1	14
125	Ovarian and endocrine responses in tropical sheep treated with reduced doses of cloprostenol. <i>Animal Reproduction Science</i> , 2009, 114, 384-392.	1.5	14
126	Effects of oestrus induction with progestagens or prostaglandin analogues on ovarian and pituitary function in sheep. <i>Animal Reproduction Science</i> , 2011, 126, 61-69.	1.5	14



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127	Ovulation, Implantation and Placentation in Females with Obesity and Metabolic Disorders: Life in the Balance. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2011, 11, 285-301.	1.2	14
128	Toxicokinetics of di(2-ethylhexyl) phthalate (DEHP) and its effects on luteal function in sheep. <i>Reproductive Biology</i> , 2013, 13, 66-74.	1.9	14
129	Maternal Metformin Treatment Improves Developmental and Metabolic Traits of IUGR Fetuses. <i>Biomolecules</i> , 2019, 9, 166.	4.0	14
130	Nature and Nurture in the Early-Life Origins of Metabolic Syndrome. <i>Current Pharmaceutical Biotechnology</i> , 2016, 17, 573-586.	1.6	14
131	High Periconceptional Protein Intake Modifies Uterine and Embryonic Relationships Increasing Early Pregnancy Losses and Embryo Growth Retardation in Sheep. <i>Reproduction in Domestic Animals</i> , 2009, 45, 723-8.	1.4	13
132	Effects of treatment with a prostaglandin analogue on developmental dynamics and functionality of induced corpora lutea in goats. <i>Animal Reproduction Science</i> , 2010, 118, 42-47.	1.5	13
133	Placental oxygen transfer reduces hypoxia-reoxygenation swings in fetal blood in a sheep model of gestational sleep apnea. <i>Journal of Applied Physiology</i> , 2019, 127, 745-752.	2.5	13
134	SWATH-MS quantitative proteomic investigation of intrauterine growth restriction in a porcine model reveals sex differences in hippocampus development. <i>Journal of Proteomics</i> , 2019, 204, 103391.	2.4	13
135	Maternal Supplementation with Antioxidant Vitamins in Sheep Results in Increased Transfer to the Fetus and Improvement of Fetal Antioxidant Status and Development. <i>Antioxidants</i> , 2019, 8, 59.	5.1	13
136	Piglet birthweight and sex affect growth performance and fatty acid composition in fatty pigs. <i>Animal Production Science</i> , 2020, 60, 573.	1.3	13
137	Effect of Ageing on Hormone Secretion and Follicular Dynamics in Sheep with and without the Booroola Gene. <i>Endocrinology</i> , 2004, 145, 2858-2864.	2.8	12
138	Effects of Season and Superovulatory Treatment on Embryo Yields in Fine-Wool Merinos Maintained Under Field Conditions. <i>Reproduction in Domestic Animals</i> , 2011, 46, 770-775.	1.4	12
139	Effect of aging on follicular function may be relieved by exogenous gonadotropin treatment in a sheep model. <i>Reproduction</i> , 2012, 144, 245-255.	2.6	12
140	Exposure to the endocrine disruptor di(2-ethylhexyl)phthalate affects female reproductive features by altering pulsatile LH secretion. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 1141-1149.	4.0	12
141	Characterization of Ageing- and Diet-Related Swine Models of Sarcopenia and Sarcopenic Obesity. <i>International Journal of Molecular Sciences</i> , 2018, 19, 823.	4.1	12
142	Impact of genotype, body weight and sex on the prenatal muscle transcriptome of Iberian pigs. <i>PLoS ONE</i> , 2020, 15, e0227861.	2.5	12
143	The Use of Probiotics for Management and Improvement of Reproductive Eubiosis and Function. <i>Nutrients</i> , 2022, 14, 902.	4.1	12
144	GnRH antagonist enhance follicular growth in FSH-treated sheep but affect developmental competence of oocytes collected by ovum pick-up. <i>Theriogenology</i> , 2006, 65, 1099-1109.	2.1	11

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146	The effect of embryo and maternal genotypes on prolificacy, intrauterine growth retardation and postnatal development of Nos3 <sup>−/−</sup> knockout mice. <i>Reproductive Biology</i> , 2010, 10, 241-248.	1.9	11
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150	Maternal age modulates the effects of early-pregnancy L-proline supplementation on the birth-weight of piglets. <i>Animal Reproduction Science</i> , 2017, 181, 63-68.	1.5	11
151	Maternal undernutrition and offspring sex determine birth-weight, postnatal development and meat characteristics in traditional swine breeds. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 27.	5.3	11
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154	Ovarian response in sheep superovulated after pretreatment with growth hormone and GnRH antagonists is weakened by failures in oocyte maturation. <i>Zygote</i> , 2004, 12, 301-304.	1.1	10
155	Effects of Breed on Follicular Dynamics and Oestradiol Secretion during the Follicular Phase in Sheep. <i>Reproduction in Domestic Animals</i> , 2007, 42, 29-33.	1.4	10
156	Influence of vehicle on kinetics of exogenous progesterone administered either by subcutaneous and intramuscular routes to sheep. <i>Research in Veterinary Science</i> , 2008, 85, 162-165.	1.9	10
157	Evidence of intraovarian follicular dominance effects during controlled ovarian stimulation in a sheep model. <i>Fertility and Sterility</i> , 2008, 89, 1507-1513.	1.0	10
158	Use of ultrasound imaging for early diagnosis of pregnancy and determination of litter size in the mouse. <i>Laboratory Animals</i> , 2009, 43, 91-95.	1.0	10
159	Short-Term Undernutrition Affects Final Development of Ovulatory Follicles in Sheep Synchronized for Ovulation. <i>Reproduction in Domestic Animals</i> , 2010, 45, 1033-1038.	1.4	10
160	Patterns of Corpora Lutea Growth and Progesterone Secretion in Sows with Thrifty Genotype and Leptin Resistance due to Leptin Receptor Gene Polymorphisms (Iberian Pig). <i>Reproduction in Domestic Animals</i> , 2011, 46, 1011-1016.	1.4	10
161	The cactus effect: an alternative to the lupin effect for increasing ovulation rate in sheep reared in semi-arid regions?. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2012, 96, 242-249.	2.2	10
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164	Ram semen deterioration by short-term exposure to high altitude is prevented by improvement of antioxidant status. <i>Animal</i> , 2018, 12, 1007-1014.	3.3	10
165	A Simple Method to Measure Renal Function in Swine by the Plasma Clearance of Iohexol. <i>International Journal of Molecular Sciences</i> , 2018, 19, 232.	4.1	10
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167	Maternal Supplementation with Polyphenols and Omega-3 Fatty Acids during Pregnancy: Effects on Growth, Metabolism, and Body Composition of the Offspring. <i>Animals</i> , 2020, 10, 1946.	2.3	10
168	Comparative efficiency of oestrus synchronization in sheep with progesterone/eCG and progesterone/GnRH during breeding and non-breeding season. <i>Reproduction in Domestic Animals</i> , 2020, 55, 882-884.	1.4	10
169	The feasibility of ultrasound biomicroscopy for non-invasive and sequential assessment of ovarian features in rodents. <i>Reproductive Biology</i> , 2008, 8, 279-284.	1.9	9
170	Non-invasive ultrasonographic characterization of phenotypic changes during embryo development in non-anesthetized mice of different genotypes. <i>Theriogenology</i> , 2008, 70, 44-52.	2.1	9
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172	Prenatal programming of obesity in a swine model of leptin resistance: modulatory effects of controlled postnatal nutrition and exercise. <i>Journal of Developmental Origins of Health and Disease</i> , 2014, 5, 248-258.	1.4	9
173	Effect of breed and follicular status on response to superovulation in South African goats. <i>Journal of Applied Animal Research</i> , 2018, 46, 141-145.	1.2	9
174	Administration of single short-acting doses of GnRH antagonist modifies pituitary and follicular function in sheep. <i>Domestic Animal Endocrinology</i> , 2005, 29, 476-487.	1.6	8
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177	Accuracy of in vivo and ex vivo ultrasonographic evaluation of ovarian follicles and corpora lutea in sows. <i>Theriogenology</i> , 2009, 71, 1433-1439.	2.1	8
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186	The interaction between ovulation rate and embryo survival in determining prolificacy of different strains of obese swine with gene polymorphisms for leptin receptors. <i>Animal Production Science</i> , 2012, 52, 58.	1.3	7
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189	Reproductive response of fat-tailed Barbarine ewes subjected to short-term nutritional treatments including spineless cactus ( <i>Opuntia ficus-indica</i> f. <i>inermis</i> ) cladodes. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2014, 98, 43-49.	2.2	7
190	Developmental origins of metabolic disorders: The need for biomarker candidates and therapeutic targets from adequate preclinical models. <i>EuPA Open Proteomics</i> , 2016, 10, 50-55.	2.5	7
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234	Antioxidant homeostasis is disturbed in fetuses with leptin-resistant genotypes: A cross-sectional study. <i>International Journal of Reproductive BioMedicine</i> , 2018, 16, 497-500.	0.9	2



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241	Possible Benefits and Risks of Polyphenols Supplementation During Pregnancy. , 2018, , 249-260.		0
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