Rocio M Rivera

List of Publications by Year
in descending order

44 papers	1,615 citations	331259 21 h-index	315357 38 g-index
47 all docs	47 docs citations	47 times ranked	1782 citing authors

#	Article	IF	Citations
1	Characterization of tRNA expression profiles in large offspring syndrome. BMC Genomics, 2022, 23, 273.	1.2	5
2	Allele-specific aberration of imprinted domain chromosome architecture associates with large offspring syndrome. IScience, 2022, 25, 104269.	1.9	6
3	Spontaneous and ART-induced large offspring syndrome: similarities and differences in DNA methylome. Epigenetics, 2022, 17, 1477-1496.	1.3	7
4	Identification of large offspring syndrome during pregnancy through ultrasonography and maternal blood transcriptome analyses. Scientific Reports, 2022, 12, .	1.6	6
5	Maternal DHA supplementation influences sex-specific disruption of placental gene expression following early prenatal stress. Biology of Sex Differences, 2021, 12, 10.	1.8	4
6	Serum supplementation during bovine embryo culture affects their development and proliferation through macroautophagy and endoplasmic reticulum stress regulation. PLoS ONE, 2021, 16, e0260123.	1.1	7
7	Consequences of assisted reproductive techniques on the embryonic epigenome in cattle. Reproduction, Fertility and Development, 2020, 32, 65.	0.1	14
8	Conditions of embryo culture from days 5 to 7 of development alter the DNA methylome of the bovine fetus at day 86 of gestation. Journal of Assisted Reproduction and Genetics, 2020, 37, 417-426.	1.2	7
9	Using online tools at the Bovine Genome Database to manually annotate genes in the new reference genome. Animal Genetics, 2020, 51, 675-682.	0.6	2
10	Modeling allele-specific expression at the gene and SNP levels simultaneously by a Bayesian logistic mixed regression model. BMC Bioinformatics, 2019, 20, 530.	1.2	7
11	Production and Culture of the Bovine Embryo. Methods in Molecular Biology, 2019, 2006, 115-129.	0.4	39
12	Overgrowth Syndrome. Veterinary Clinics of North America - Food Animal Practice, 2019, 35, 265-276.	0.5	25
13	Altered microRNA expression profiles in large offspring syndrome and Beckwith-Wiedemann syndrome. Epigenetics, 2019, 14, 850-876.	1.3	32
14	A Bayesian Hidden Markov Model for Detecting Differentially Methylated Regions. Biometrics, 2019, 75, 663-673.	0.8	6
15	The effects of superovulation and reproductive aging on the epigenome of the oocyte and embryo. Molecular Reproduction and Development, 2018, 85, 90-105.	1.0	50
16	Detecting differentially expressed genes for syndromes by considering change in mean and dispersion simultaneously. BMC Bioinformatics, 2018, 19, 330.	1.2	2
17	Genome-wide identification and analysis of A-to-I RNA editing events in bovine by transcriptome sequencing. PLoS ONE, 2018, 13, e0193316.	1.1	27
18	The effects of biological aging on global DNA methylation, histone modification, and epigenetic modifiers in the mouse germinal vesicle stage oocyte. Animal Reproduction, 2018, 15, 1253-1267.	0.4	7

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19	Colony-stimulating factor 2 acts from days 5 to 7 of development to modify programming of the bovine conceptus at day 86 of gestationâ€. Biology of Reproduction, 2017, 96, 743-757.	1.2	30
20	Global misregulation of genes largely uncoupled to DNA methylome epimutations characterizes a congenital overgrowth syndrome. Scientific Reports, 2017, 7, 12667.	1.6	30
21	Maternal Hyperleptinemia Is Associated with Male Offspringâ€™s Altered Vascular Function and Structure in Mice. PLoS ONE, 2016, 11, e0155377.	1.1	15
22	Global assessment of imprinted gene expression in the bovine conceptus by next generation sequencing. Epigenetics, 2016, 11, 501-516.	1.3	65
23	When six is not a half dozen: Representation of changes in H4K5ac during meiotic progression in mouse oocytes. Molecular Reproduction and Development, 2015, 82, 1-1.	1.0	1
24	Superovulation induces alterations in the epigenome of zygotes, and results in differences in gene expression at the blastocyst stage in mice. Molecular Reproduction and Development, 2015, 82, 207-217.	1.0	48
25	Characterization of global loss of imprinting in fetal overgrowth syndrome induced by assisted reproduction. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4618-4623.	3.3	114
26	Oxamflatin Treatment Enhances Cloned Porcine Embryo Development and Nuclear Reprogramming<sup />. Cellular Reprogramming, 2015, 17, 28-40.	0.5	29
27	Effects of the Use of Assisted Reproductive Technologies and an Obesogenic Environment on Resistance Artery Function and Diabetes Biomarkers in Mice Offspring. PLoS ONE, 2014, 9, e112651.	1.1	8
28	Effects of the use of assisted reproduction and high-caloric diet consumption on body weight and cardiovascular health of juvenile mouse offspring. Reproduction, 2014, 147, 111-123.	1.1	12
29	Heterogeneous distribution of histone methylation in mature human sperm. Journal of Assisted Reproduction and Genetics, 2014, 31, 45-49.	1.2	39
30	Epigenetics in fertilization and preimplantation embryo development. Progress in Biophysics and Molecular Biology, 2013, 113, 423-432.	1.4	68
31	Bovine preimplantation embryo development is affected by the stiffness of the culture substrate. Molecular Reproduction and Development, 2013, 80, 184-184.	1.0	7
32	Locus-Specific DNA Methylation Reprogramming During Early Porcine Embryogenesis1. Biology of Reproduction, 2013, 88, 48.	1.2	27
33	Determination of Allelic Expression of H19 in Pre- and Peri-Implantation Mouse Embryos1. Biology of Reproduction, 2013, 88, 97.	1.2	7
34	Large offspring syndrome. Epigenetics, 2013, 8, 591-601.	1.3	125
35	Expression of KCNQ1OT1, CDKN1C, H19, and PLAGL1 and the methylation patterns at the KvDMR1 and H19/IGF2 imprinting control regions is conserved between human and bovine. Journal of Biomedical Science, 2012, 19, 95.	2.6	48
36	Epigenetics in humans: an overview. Current Opinion in Endocrinology, Diabetes and Obesity, 2010, 17, 493-499.	1.2	42

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37	Epigenetic Aspects of Fertilization and Preimplantation Development in Mammals: Lessons from the Mouse. Systems Biology in Reproductive Medicine, 2010, 56, 388-404.	1.0	11
38	Manipulations of mouse embryos prior to implantation result in aberrant expression of imprinted genes on day 9.5 of development. Human Molecular Genetics, 2008, 17, 1-14.	1.4	303
39	Reorganization of Microfilaments and Microtubules by Thermal Stress in Two-Cell Bovine Embryos1. Biology of Reproduction, 2004, 70, 1852-1862.	1.2	33
40	Differences between Brahman and Holstein cows in response to estrus synchronization, superovulation and resistance of embryos to heat shock. Animal Reproduction Science, 2003, 78, 13-24.	0.5	22
41	Alterations in Ultrastructural Morphology of Two-Cell Bovine Embryos Produced In Vitro and In Vivo Following a Physiologically Relevant Heat Shock1. Biology of Reproduction, 2003, 69, 2068-2077.	1.2	52
42	Adverse impact of heat stress on embryo production: causes and strategies for mitigation. Theriogenology, 2001, 55, 91-103.	0.9	149
43	Short Communication: Seasonal Effects on Development of Bovine Embryos Produced by In Vitro Fertilization in a Hot Environment. Journal of Dairy Science, 2000, 83, 305-307.	1.4	11
44	Deleterious Actions of Gossypol on Bovine Spermatozoa, Oocytes, and Embryos1. Biology of Reproduction, 1997, 57, 901-907.	1.2	55