Ahmed Gad

List of Publications by Year
in descending order

40 papers	1,021 citations	471509 17 h-index	414414 32 g-index
41 all docs	41 docs citations	41 times ranked	1346 citing authors

#	Article	IF	Citations
1	Molecular Mechanisms and Pathways Involved in Bovine Embryonic Genome Activation and Their Regulation by Alternative In Vivo and In Vitro Culture Conditions1. Biology of Reproduction, 2012, 87, 100.	2.7	130
2	Expression analysis of regulatory microRNAs in bovine cumulus oocyte complex and preimplantation embryos. Zygote, 2013, 21, 31-51.	1.1	100
3	Chemical and biological evaluation of Egyptian Nile Tilapia (Oreochromis niloticas) fish scale collagen. International Journal of Biological Macromolecules, 2015, 79, 618-626.	7.5	78
4	Genome-Wide DNA Methylation Patterns of Bovine Blastocysts Developed In Vivo from Embryos Completed Different Stages of Development In Vitro. PLoS ONE, 2015, 10, e0140467.	2.5	76
5	Bovine blastocysts with developmental competence to term share similar expression of developmentally important genes although derived from different culture environments. Reproduction, 2011, 142, 551-564.	2.6	71
6	Bovine embryo survival under oxidativeâ€stress conditions is associated with activity of the NRF2â€mediated oxidativeâ€stressâ€response pathway. Molecular Reproduction and Development, 2014, 81, 497-513.	2.0	70
7	Effect of reproductive tract environment following controlled ovarian hyperstimulation treatment on embryo development and global transcriptome profile of blastocysts: implications for animal breeding and human assisted reproduction. Human Reproduction, 2011, 26, 1693-1707.	0.9	65
8	Preparation and in vitro characterization of silver-doped bioactive glass nanoparticles fabricated using a sol-gel process and modified StÃ¶ber method. Journal of Non-Crystalline Solids, 2018, 483, 26-36.	3.1	55
9	Genome-wide DNA methylation patterns of bovine blastocysts derived from in vivo embryos subjected to in vitro culture before, during or after embryonic genome activation. BMC Genomics, 2018, 19, 424.	2.8	50
10	Antioxidant Capacity of Melatonin on Preimplantation Development of Fresh and Vitrified Rabbit Embryos: Morphological and Molecular Aspects. PLoS ONE, 2015, 10, e0139814.	2.5	45
11	RNA Deep Sequencing Reveals Novel Candidate Genes and Polymorphisms in Boar Testis and Liver Tissues with Divergent Androstenone Levels. PLoS ONE, 2013, 8, e63259.	2.5	32
12	Transcriptome profile of early mammalian embryos in response to culture environment. Animal Reproduction Science, 2012, 134, 76-83.	1.5	26
13	Antibacterial activity and biocompatibility of zein scaffolds containing silver-doped bioactive glass. Biomedical Materials (Bristol), 2018, 13, 065006.	3.3	26
14	Retinoic acid improves maturation rate and upregulates the expression of antioxidant-related genes inin vitromatured buffalo (Bubalus bubalis) oocytes. International Journal of Veterinary Science and Medicine, 2018, 6, 279-285.	2.2	24
15	Extracellular vesicles shuttle protective messages against heat stress in bovine granulosa cells. Scientific Reports, 2020, 10, 15824.	3.3	24
16	Endometrial response of beef heifers on day 7 following insemination to supraphysiological concentrations of progesterone associated with superovulation. Physiological Genomics, 2012, 44, 1107-1115.	2.3	21
17	Influence of maternal nutrition and heat stress on bovine oocyte and embryo development. International Journal of Veterinary Science and Medicine, 2018, 6, S1-S5.	2.2	19
18	microRNA expression profile in porcine oocytes with different developmental competence derived from large or small follicles. Molecular Reproduction and Development, 2019, 86, 426-439.	2.0	17

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19	cDNA microarray analysis of gene expression in parthenotes and in vitro produced buffalo embryos. Theriogenology, 2012, 77, 1240-1251.	2.1	13
20	Fateful triad of reactive oxygen species, mitochondrial dysfunction and lipid accumulation is associated with expression outline of the AMP-activated protein kinase pathway in bovine blastocysts. Reproduction, Fertility and Development, 2017, 29, 890.	0.4	13
21	The Role of MAPK3/1 and AKT in the Acquisition of High Meiotic and Developmental Competence of Porcine Oocytes Cultured In Vitro in FLI Medium. International Journal of Molecular Sciences, 2021, 22, 11148.	4.1	13
22	Extracellular Vesicles as Mediators of Environmental and Metabolic Stress Coping Mechanisms During Mammalian Follicular Development. Frontiers in Veterinary Science, 2020, 7, 602043.	2.2	12
23	Plasma extracellular vesicle miRNAs as potential biomarkers of superstimulatory response in cattle. Scientific Reports, 2020, 10, 19130.	3.3	10
24	Small-extracellular vesicles and their microRNA cargo from porcine follicular fluids: the potential association with oocyte quality. Journal of Animal Science and Biotechnology, 2022, 13, .	5.3	6
25	Global transcriptome analysis of porcine oocytes in correlation with follicle size. Molecular Reproduction and Development, 2020, 87, 102-114.	2.0	5
26	Expression of lamin C2 in mammalian oocytes. PLoS ONE, 2020, 15, e0229781.	2.5	5
27	Adaptive and Biological Responses of Buffalo Granulosa Cells Exposed to Heat Stress under In Vitro Condition. Animals, 2021, 11, 794.	2.3	5
28	Editorial: Biofluid Extracellular Vesicles and Their Involvement in Animal Reproductive Physiology. Frontiers in Veterinary Science, 2021, 8, 747138.	2.2	3
29	Superoxide dismutase mimics improves semen quality during chilled preservation of rabbit spermatozoa. Livestock Science, 2019, 221, 70-76.	1.6	1
30	Inhibition of miR-152 during In Vitro Maturation Enhances the Developmental Potential of Porcine Embryos. Animals, 2020, 10, 2289.	2.3	1
31	Cellular and molecular alterations of buffalo oocytes cultured under two different levels of oxygen tension during in vitro maturation. Zygote, 2021, 29, 314-324.	1.1	1
32	Improving the Quality of Oocytes with the Help of Nucleolotransfer Therapy. Pharmaceuticals, 2021, 14, 328.	3.8	1
33	134 TRANSCRIPTOME PROFILE OF BOVINE BLASTOCYSTS DERIVED FROM ALTERNATIVE IN VIVO AND IN VITRO CULTURE CONDITIONS AT SPECIFIC PHASES OF EARLY EMBRYONIC DEVELOPMENT. Reproduction, Fertility and Development, 2012, 24, 179.	0.4	1
34	211 IN VITRO CULTURE CONDITIONS AFFECT GENE EXPRESSION PATTERN OF BOVINE BLASTOCYST IN A STAGE-SPECIFIC MANNER. Reproduction, Fertility and Development, 2013, 25, 254.	0.4	1
35	Global transcriptome analysis of bovine blastocysts developed under alternative vivo/vitro culture conditions during specifics stages of development. Animal Reproduction Science, 2014, 149, 98-99.	1.5	0
36	240 DIFFERENCES IN GLOBAL TRANSCRIPTOME PROFILE OF BOVINE BLASTOCYSTS DERIVED FROM SUPEROVULATED OR SYNCHRONIZED CYCLIC HEIFERS. Reproduction, Fertility and Development, 2010, 22, 278.	0.4	0

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37	254 REGULATORY microRNA IN THE BIDIRECTIONAL COMMUNICATION OF BOVINE OOCYTES AND THE SURROUNDING CUMULUS CELLS. Reproduction, Fertility and Development, 2010, 22, 284.	0.4	0
38	232 EFFECT OF SUPEROVULATION PRETREATMENT ON DEVELOPMENTAL CHARACTERISTICS OF IN VITRO-FERTILIZED BOVINE EMBRYOS TRANSFERRED TO THE OVIDUCT-UTERUS ENVIRONMENT. Reproduction, Fertility and Development, 2016, 28, 247.	0.4	0
39	187 9-cis RETINOIC ACID IMPROVES MATURATION RATE AND ALTERS GENE EXPRESSION OF IN VITRO-MATURED OOCYTES IN EGYPTIAN BUFFALO. Reproduction, Fertility and Development, 2017, 29, 202.	0.4	0
40	Evaluation of Growth Performance, Blood Metabolites and Gene Expression Analysis in Egyptian Sheep Breeds, in Relation to Age. Journal of World's Poultry Research, 2020, 10, 18-29.	0.2	0