

# Dessie Salilew-Wondim

## List of Publications by Year in descending order

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39  
papers

1,592  
citations

279701

23  
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docs citations

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times ranked

2165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exosomal and Non-Exosomal Transport of Extra-Cellular microRNAs in Follicular Fluid: Implications for Bovine Oocyte Developmental Competence. PLoS ONE, 2013, 8, e78505.	1.1	257
2	Cellular and exosome mediated molecular defense mechanism in bovine granulosa cells exposed to oxidative stress. PLoS ONE, 2017, 12, e0187569.	1.1	106
3	Bovine pretransfer endometrium and embryo transcriptome fingerprints as predictors of pregnancy success after embryo transfer. Physiological Genomics, 2010, 42, 201-218.	1.0	94
4	MicroRNA Expression Profile in Bovine Granulosa Cells of Preovulatory Dominant and Subordinate Follicles during the Late Follicular Phase of the Estrous Cycle. PLoS ONE, 2015, 10, e0125912.	1.1	93
5	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.	1.1	76
6	Oxidative and endoplasmic reticulum stress defense mechanisms of bovine granulosa cells exposed to heat stress. Theriogenology, 2018, 110, 130-141.	0.9	74
7	The Expression Pattern of microRNAs in Granulosa Cells of Subordinate and Dominant Follicles during the Early Luteal Phase of the Bovine Estrous Cycle. PLoS ONE, 2014, 9, e106795.	1.1	73
8	Bovine embryo survival under oxidative stress conditions is associated with activity of the NRF2-mediated oxidative stress response pathway. Molecular Reproduction and Development, 2014, 81, 497-513.	1.0	70
9	Endogenous and Exogenous Modulation of Nrf2 Mediated Oxidative Stress Response in Bovine Granulosa Cells: Potential Implication for Ovarian Function. International Journal of Molecular Sciences, 2019, 20, 1635.	1.8	53
10	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.	1.2	50
11	MicroRNA-130b is involved in bovine granulosa and cumulus cells function, oocyte maturation and blastocyst formation. Journal of Ovarian Research, 2017, 10, 37.	1.3	49
12	Polycystic ovarian syndrome is accompanied by repression of gene signatures associated with biosynthesis and metabolism of steroids, cholesterol and lipids. Journal of Ovarian Research, 2015, 8, 24.	1.3	46
13	MicroRNA 17-92 cluster regulates proliferation and differentiation of bovine granulosa cells by targeting PTEN and BMPR2 genes. Cell and Tissue Research, 2016, 366, 219-230.	1.5	42
14	Transcriptional response of the bovine endometrium and embryo to endometrial polymorphonuclear neutrophil infiltration as an indicator of subclinical inflammation of the uterine environment. Reproduction, Fertility and Development, 2012, 24, 778.	0.1	40
15	LPS-induced expression of CD14 in the TRIF pathway is epigenetically regulated by sulforaphane in porcine pulmonary alveolar macrophages. Innate Immunity, 2016, 22, 682-695.	1.1	40
16	Expression Pattern of Inflammatory Response Genes and Their Regulatory MicroRNAs in Bovine Oviductal Cells in Response to Lipopolysaccharide: Implication for Early Embryonic Development. PLoS ONE, 2015, 10, e0119388.	1.1	37
17	Aberrant placenta gene expression pattern in bovine pregnancies established after transfer of cloned or in vitro produced embryos. Physiological Genomics, 2013, 45, 28-46.	1.0	35
18	Sulforaphane Epigenetically Regulates Innate Immune Responses of Porcine Monocyte-Derived Dendritic Cells Induced with Lipopolysaccharide. PLoS ONE, 2015, 10, e0121574.	1.1	34

#	ARTICLE	IF	CITATIONS
19	Transcriptome profile of bovine elongated conceptus obtained from SCNT and IVP pregnancies. <i>Molecular Reproduction and Development</i> , 2013, 80, 315-333.	1.0	32
20	MicroRNA-424/503 cluster members regulate bovine granulosa cell proliferation and cell cycle progression by targeting SMAD7 gene through activin signalling pathway. <i>Journal of Ovarian Research</i> , 2018, 11, 34.	1.3	30
21	Regulation of Nrf2 and NF- $\kappa$ B during lead toxicity in bovine granulosa cells. <i>Cell and Tissue Research</i> , 2020, 380, 643-655.	1.5	28
22	Extracellular vesicle mediated molecular signaling in ovarian follicle: Implication for oocyte developmental competence. <i>Theriogenology</i> , 2020, 150, 70-74.	0.9	26
23	Identification of the Novel Candidate Genes and Variants in Boar Liver Tissues with Divergent Skatole Levels Using RNA Deep Sequencing. <i>PLoS ONE</i> , 2013, 8, e72298.	1.1	26
24	Oviductal, endometrial and embryonic gene expression patterns as molecular clues for pregnancy establishment. <i>Animal Reproduction Science</i> , 2012, 134, 9-18.	0.5	23
25	Exploring maternal serum microRNAs during early pregnancy in cattle. <i>Theriogenology</i> , 2018, 121, 196-203.	0.9	18
26	Depletion of BIRC6 leads to retarded bovine early embryonic development and blastocyst formation in vitro. <i>Reproduction, Fertility and Development</i> , 2010, 22, 564.	0.1	17
27	Zona pellucida birefringence correlates with developmental capacity of bovine oocytes classified by maturational environment, COC morphology and G6PDH activity. <i>Reproduction, Fertility and Development</i> , 2012, 24, 568.	0.1	13
28	Embryo transcriptome response to environmental factors: Implication for its survival under suboptimal conditions. <i>Animal Reproduction Science</i> , 2014, 149, 30-38.	0.5	13
29	Genes associated with survival of female bovine blastocysts produced in vivo. <i>Cell and Tissue Research</i> , 2020, 382, 665-678.	1.5	13
30	Hyaluronic acid and epidermal growth factor improved the bovine embryo quality by regulating the DNA methylation and expression patterns of the focal adhesion pathway. <i>PLoS ONE</i> , 2019, 14, e0223753.	1.1	11
31	Complement component 3: characterization and association with mastitis resistance in Egyptian water buffalo and cattle. <i>Journal of Genetics</i> , 2017, 96, 65-73.	0.4	10
32	Sexual dimorphic expression and release of transcription factors in bovine embryos exposed to oxidative stress. <i>Molecular Reproduction and Development</i> , 2019, 86, 2005-2019.	1.0	10
33	Quercetin supports bovine preimplantation embryo development under oxidative stress condition via activation of the Nrf2 signalling pathway. <i>Reproduction in Domestic Animals</i> , 2020, 55, 1275-1285.	0.6	10
34	Developmental competence of equine oocytes: impacts of zona pellucida birefringence and maternally derived transcript expression. <i>Reproduction, Fertility and Development</i> , 2014, 26, 441.	0.1	9
35	Metabolism-associated genome-wide epigenetic changes in bovine oocytes during early lactation. <i>Scientific Reports</i> , 2020, 10, 2345.	1.6	9
36	NRF2-mediated signaling is a master regulator of transcription factors in bovine granulosa cells under oxidative stress condition. <i>Cell and Tissue Research</i> , 2021, 385, 769-783.	1.5	9

#	ARTICLE	IF	CITATIONS
37	The global gene expression outline of the bovine blastocyst: reflector of environmental conditions and predictor of developmental capacity. <i>BMC Genomics</i> , 2021, 22, 408.	1.2	9
38	The regulatory role of miR-20a in bovine cumulus cells and its contribution to oocyte maturation. <i>Zygote</i> , 2021, 29, 435-444.	0.5	4
39	Developmental toxicity of lead in rats after gestational exposure and the protective role of taurine. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22816.	1.4	3