

# Maria Elena Arias

## List of Publications by Year in descending order

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16  
papers

271  
citations

933447

10  
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940533

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16  
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16  
docs citations

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times ranked

297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bovine sperm separation by Swim-up and density gradients (Percoll and BoviPure): Effect on sperm quality, function and gene expression. <i>Reproductive Biology</i> , 2017, 17, 126-132.	1.9	47
2	Cryopreservation induces mitochondrial permeability transition in a bovine sperm model. <i>Cryobiology</i> , 2018, 83, 65-74.	0.7	37
3	Impact of post-thaw supplementation of semen extender with antioxidants on the quality and function variables of stallion spermatozoa. <i>Animal Reproduction Science</i> , 2019, 201, 71-83.	1.5	30
4	Intracytoplasmic sperm injection affects embryo developmental potential and gene expression in cattle. <i>Reproductive Biology</i> , 2015, 15, 34-41.	1.9	24
5	Defective sperm head decondensation undermines the success of ICSI in the bovine. <i>Reproduction</i> , 2017, 154, 307-318.	2.6	22
6	Cryopreservation of stallion semen: Effect of adding antioxidants to the freezing medium on sperm physiology. <i>Reproduction in Domestic Animals</i> , 2020, 55, 229-239.	1.4	18
7	Sperm capacitation pretreatment positively impacts bovine intracytoplasmic sperm injection. <i>Molecular Reproduction and Development</i> , 2017, 84, 649-659.	2.0	16
8	Improved preimplantation development of bovine ICSI embryos generated with spermatozoa pretreated with membrane-stabilizing agents lyssolecithin and Triton X-100. <i>Theriogenology</i> , 2016, 86, 1489-1497.	2.1	15
9	Effect of anisomycin, a protein synthesis inhibitor, on the <i>in vitro</i> developmental potential, ploidy and embryo quality of bovine ICSI embryos. <i>Zygote</i> , 2016, 24, 724-732.	1.1	14
10	Effect of transfection and co-incubation of bovine sperm with exogenous DNA on sperm quality and functional parameters for its use in sperm-mediated gene transfer. <i>Zygote</i> , 2017, 25, 85-97.	1.1	12
11	Effect of human tubal fluid medium and hyperactivation inducers on stallion sperm capacitation and hyperactivation. <i>Reproduction in Domestic Animals</i> , 2019, 54, 184-194.	1.4	9
12	Improved expression of green fluorescent protein in cattle embryos produced by ICSI-mediated gene transfer with spermatozoa treated with streptolysin-O. <i>Animal Reproduction Science</i> , 2018, 196, 130-137.	1.5	8
13	Activation of bovine oocytes by protein synthesis inhibitors: new findings on the role of MPF/MAPKs. <i>Biology of Reproduction</i> , 2021, 104, 1126-1138.	2.7	7
14	Extracellular vesicles in mammalian reproduction: a review. <i>Zygote</i> , 2022, 30, 440-463.	1.1	7
15	Effect of MnTBAP on <i>in vitro</i> capacitation of frozen-thawed stallion sperm. <i>Animal Reproduction Science</i> , 2020, 221, 106570.	1.5	3
16	Improved exogenous DNA uptake in bovine spermatozoa and gene expression in embryos using membrane destabilizing agents in ICSI-SMGT. <i>Zygote</i> , 2018, 26, 104-109.	1.1	2