

Beatriz MacÃ- as GarcÃ-a

List of Publications by Year in descending order

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68
papers

2,215
citations

159585

30
h-index

223800

46
g-index

68
all docs

68
docs citations

68
times ranked

1777
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid peroxidation, assessed with BODIPY-C11, increases after cryopreservation of stallion spermatozoa, is stallion-dependent and is related to apoptotic-like changes. <i>Reproduction</i> , 2009, 138, 55-63.	2.6	146
2	Mitochondria in Mammalian Sperm Physiology and Pathology: A Review. <i>Reproduction in Domestic Animals</i> , 2009, 44, 345-349.	1.4	114
3	Dissecting the molecular damage to stallion spermatozoa: The way to improve current cryopreservation protocols?. <i>Theriogenology</i> , 2011, 76, 1177-1186.	2.1	111
4	Inhibition of the mitochondrial permeability transition pore reduces "apoptosis like" changes during cryopreservation of stallion spermatozoa. <i>Theriogenology</i> , 2010, 74, 458-465.	2.1	94
5	Melatonin reduces lipid peroxidation and apoptotic-like changes in stallion spermatozoa. <i>Journal of Pineal Research</i> , 2011, 51, 172-179.	7.4	91
6	Toxicity of glycerol for the stallion spermatozoa: Effects on membrane integrity and cytoskeleton, lipid peroxidation and mitochondrial membrane potential. <i>Theriogenology</i> , 2012, 77, 1280-1289.	2.1	85
7	Apoptotic markers can be used to forecast the freezeability of stallion spermatozoa. <i>Animal Reproduction Science</i> , 2009, 114, 393-403.	1.5	73
8	Effect of Cryopreservation on Nitric Oxide Production by Stallion Spermatozoa1. <i>Biology of Reproduction</i> , 2009, 81, 1106-1111.	2.7	66
9	Identification of Sperm Subpopulations in Stallion Ejaculates: Changes after Cryopreservation and Comparison with Traditional Statistics. <i>Reproduction in Domestic Animals</i> , 2009, 44, 419-423.	1.4	65
10	Centrifugation on a single layer of colloid selects improved quality spermatozoa from frozen-thawed stallion semen. <i>Animal Reproduction Science</i> , 2009, 114, 193-202.	1.5	63
11	CatSper and the Relationship of Hyperactivated Motility to Intracellular Calcium and pH Kinetics in Equine Sperm1. <i>Biology of Reproduction</i> , 2013, 89, 123.	2.7	61
12	Membrane Lipids of the Stallion Spermatozoon in Relation to Sperm Quality and Susceptibility to Lipid Peroxidation. <i>Reproduction in Domestic Animals</i> , 2011, 46, 141-148.	1.4	59
13	The immunomodulatory activity of extracellular vesicles derived from endometrial mesenchymal stem cells on CD4+ T cells is partially mediated by TGFbeta. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 2088-2098.	2.7	58
14	Identification of Protein Tyrosine Phosphatases and Dual-Specificity Phosphatases in Mammalian Spermatozoa and Their Role in Sperm Motility and Protein Tyrosine Phosphorylation1. <i>Biology of Reproduction</i> , 2009, 80, 1239-1252.	2.7	57
15	Focal Adhesion Kinases and Calcium/Calmodulin-Dependent Protein Kinases Regulate Protein Tyrosine Phosphorylation in Stallion Sperm. <i>Biology of Reproduction</i> , 2013, 88, 138-138.	2.7	54
16	The Membrane of the Mammalian Spermatozoa: Much More Than an Inert Envelope. <i>Reproduction in Domestic Animals</i> , 2012, 47, 65-75.	1.4	52
17	Freezing dog semen in presence of the antioxidant butylated hydroxytoluene improves postthaw sperm membrane integrity. <i>Theriogenology</i> , 2010, 73, 645-650.	2.1	50
18	Murine embryos exposed to human endometrial MSCs-derived extracellular vesicles exhibit higher VEGF/PDGF AA release, increased blastomere count and hatching rates. <i>PLoS ONE</i> , 2018, 13, e0196080.	2.5	49

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19	Fatty acids and plasmalogens of the phospholipids of the sperm membranes and their relation with the post-thaw quality of stallion spermatozoa. <i>Theriogenology</i> , 2011, 75, 811-818.	2.1	48
20	Quercetin Ameliorate Motility in Frozen-Thawed Turkmen Stallions Sperm. <i>Journal of Equine Veterinary Science</i> , 2016, 45, 73-77.	0.9	47
21	Does the Microbial Flora in the Ejaculate Affect the Freezeability of Stallion Sperm?. <i>Reproduction in Domestic Animals</i> , 2009, 44, 518-522.	1.4	46
22	Single-layer Centrifugation Through Colloid Positively Modifies the Sperm Subpopulation Structure of Frozen-Thawed Stallion Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2009, 44, 523-526.	1.4	45
23	Calcium-calmodulin and pH regulate protein tyrosine phosphorylation in stallion sperm. <i>Reproduction</i> , 2012, 144, 411-422.	2.6	44
24	Extracellular vesicles derived from endometrial human mesenchymal stem cells enhance embryo yield and quality in an aged murine model. <i>Biology of Reproduction</i> , 2019, 100, 1180-1192.	2.7	44
25	Processing stored stallion semen doses by Single Layer Centrifugation. <i>Theriogenology</i> , 2011, 76, 1424-1432.	2.1	43
26	Determination of glutathione peroxidase and superoxide dismutase activities in canine seminal plasma and its relation with sperm quality and lipid peroxidation post thaw. <i>Theriogenology</i> , 2011, 75, 10-16.	2.1	42
27	The Mitochondria of Stallion Spermatozoa Are More Sensitive Than the Plasmalemma to Osmotic-Induced Stress: Role of c-Jun N-terminal Kinase (JNK) Pathway. <i>Journal of Andrology</i> , 2012, 33, 105-113.	2.0	42
28	Effect of clinically-related factors on in vitro blastocyst development after equine ICSI. <i>Theriogenology</i> , 2016, 85, 1289-1296.	2.1	40
29	Effect of calcium, bicarbonate, and albumin on capacitation-related events in equine sperm. <i>Reproduction</i> , 2015, 149, 87-99.	2.6	34
30	Osmotic shock induces structural damage on equine spermatozoa plasmalemma and mitochondria. <i>Theriogenology</i> , 2012, 78, 415-422.	2.1	32
31	Cell lineage allocation in equine blastocysts produced in vitro under varying glucose concentrations. <i>Reproduction</i> , 2015, 150, 31-41.	2.6	31
32	Freezing stallion semen with the new Ceres extender improves post thaw sperm quality and diminishes stallion-to-stallion variability. <i>Animal Reproduction Science</i> , 2011, 127, 78-83.	1.5	25
33	Androcoll-E large selects a subset of live stallion spermatozoa capable of producing ROS. <i>Animal Reproduction Science</i> , 2012, 132, 74-82.	1.5	25
34	Seminal plasma influences the fertilizing potential of cryopreserved stallion sperm. <i>Theriogenology</i> , 2018, 115, 99-107.	2.1	25
35	Dimethylformamide Improves the In vitro Characteristics of Thawed Stallion Spermatozoa Reducing Sublethal Damage. <i>Reproduction in Domestic Animals</i> , 2012, 47, 995-1002.	1.4	18
36	Stage-specific metabolomic changes in equine oviductal fluid: New insights into the equine fertilization environment. <i>Theriogenology</i> , 2020, 143, 35-43.	2.1	17

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37	Developmental changes in Ca ²⁺ homeostasis and contractility in gallbladder smooth muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C783-C791.	4.6	15
38	Effect of Hoechst 33342 on stallion spermatozoa incubated in KMT or Tyrodes modified INRA96. <i>Animal Reproduction Science</i> , 2012, 131, 165-171.	1.5	14
39	Effect of Different Media and Protein Source on Equine Gametes: Potential Impact During <i>In Vitro</i> Fertilization. <i>Reproduction in Domestic Animals</i> , 2015, 50, 1039-1046.	1.4	14
40	Expanded equine cumulus-oocyte complexes exhibit higher meiotic competence and lower glucose consumption than compact cumulus-oocyte complexes. <i>Reproduction, Fertility and Development</i> , 2018, 30, 297.	0.4	14
41	Regulation of Axonemal Motility in Demembrated Equine Sperm. <i>Biology of Reproduction</i> , 2014, 91, 152.	2.7	13
42	Timing Factors Affecting Blastocyst Development in Equine Somatic Cell Nuclear Transfer. <i>Cellular Reprogramming</i> , 2015, 17, 124-130.	0.9	13
43	N-acetylcysteine addition after vitrification improves oocyte mitochondrial polarization status and the quality of embryos derived from vitrified murine oocytes. <i>BMC Veterinary Research</i> , 2019, 15, 31.	1.9	13
44	The calcium-sensing receptor regulates protein tyrosine phosphorylation through PDK1 in boar spermatozoa. <i>Molecular Reproduction and Development</i> , 2019, 86, 751-761.	2.0	11
45	Extracellular calcium regulates protein tyrosine phosphorylation through calcium-sensing receptor (CaSR) in stallion sperm. <i>Molecular Reproduction and Development</i> , 2016, 83, 236-245.	2.0	10
46	Activated caspases are present in frozen-thawed canine sperm and may be related to post thaw sperm quality. <i>Zygote</i> , 2009, 17, 297-305.	1.1	9
47	Consequences of butylated hydroxytoluene in the freezing extender on post-thaw characteristics of stallion spermatozoa in vitro. <i>Andrologia</i> , 2012, 44, 688-695.	2.1	9
48	Effects of Oral Prednisone Administration on Serum Cystatin C in Dogs. <i>Journal of Veterinary Internal Medicine</i> , 2017, 31, 1765-1770.	1.6	9
49	Boar spermatozoa proteomic profile varies in sperm collected during the summer and winter. <i>Animal Reproduction Science</i> , 2020, 219, 106513.	1.5	9
50	Study of the Metabolomics of Equine Preovulatory Follicular Fluid: A Way to Improve Current <i>In Vitro</i> Maturation Media. <i>Animals</i> , 2020, 10, 883.	2.3	9
51	Extracellular vesicles derived from endometrial human mesenchymal stem cells improve IVF outcome in an aged murine model. <i>Reproduction in Domestic Animals</i> , 2018, 53, 46-49.	1.4	8
52	Aging impairs Ca ²⁺ sensitization pathways in gallbladder smooth muscle. <i>Age</i> , 2012, 34, 881-893.	3.0	7
53	Calmodulin inhibitors increase the affinity of Merocyanine 540 for boar sperm membrane under non-capacitating conditions. <i>Journal of Reproduction and Development</i> , 2018, 64, 445-449.	1.4	5
54	Influence of different cellular concentrations of boar sperm suspensions on the induction of capacitation and acrosome reaction. <i>Journal of Reproduction and Development</i> , 2022, 68, 68-73.	1.4	5

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55	Effects of medetomidine and medetomidine-butorphanol on transcranial color-coded duplex ultrasonography in healthy dogs. <i>Research in Veterinary Science</i> , 2013, 95, 648-653.	1.9	4
56	Oocyte holding in the Iberian red deer (<i>Cervus elaphus hispanicus</i>): Effect of initial oocyte quality and epidermal growth factor addition on in vitro maturation. <i>Reproduction in Domestic Animals</i> , 2018, 53, 243-248.	1.4	4
57	A high glucose concentration during early stages of in vitro equine embryo development alters expression of genes involved in glucose metabolism. <i>Equine Veterinary Journal</i> , 2021, 53, 787-795.	1.7	4
58	The Proteome of Equine Oviductal Fluid Varies Before and After Ovulation: A Comparative Study. <i>Frontiers in Veterinary Science</i> , 2021, 8, 694247.	2.2	4
59	Role of the Calcium-Sensing Receptor (CaSR) in bovine gametes and during in vitro fertilization. <i>Theriogenology</i> , 2017, 95, 69-74.	2.1	3
60	Effect of boar semen supplementation with recombinant heat shock proteins during summer. <i>Animal Reproduction Science</i> , 2019, 211, 106227.	1.5	3
61	61 APPLICATION OF AN OPEN DEVICE TO VITRIFY EQUINE IN VITRO-PRODUCED EMBRYOS. <i>Reproduction, Fertility and Development</i> , 2013, 25, 178.	0.4	3
62	Effect of BAPTA-AM on Thawed Stallion Spermatozoa Extended in INRA 96 or Tyrode's Medium. <i>Journal of Equine Veterinary Science</i> , 2013, 33, 622-627.	0.9	2
63	Hafnia paralvei ISOLATED FROM AN EMPHYSEMATOUS PYOMETRA IN A BITCH. <i>Slovenian Veterinary Research</i> , 2019, 56, .	0.2	2
64	Two Unusual Cases of Canine Prostatitis: Prostatitis in a Castrated Dog and Preputial Oedema in an Intact Male. <i>Reproduction in Domestic Animals</i> , 2009, 45, e199-200.	1.4	1
65	Effects of Sedation with Medetomidine and Dexmedetomidine on Doppler Measurements of Ovarian Artery Blood Flow in Bitches. <i>Animals</i> , 2021, 11, 538.	2.3	1
66	Selected metabolites found in equine oviductal fluid do not modify the parameters associated to capacitation of the frozen-thawed equine spermatozoa in vitro. <i>Journal of Equine Veterinary Science</i> , 2022, , 103875.	0.9	1
67	Outlining adequate protocols for Lidia bull epididymal storage and sperm cryopreservation: use of glycerol, dimethylformamide and N-acetylcysteine. <i>Spanish Journal of Agricultural Research</i> , 2017, 15, e0405.	0.6	0
68	Fetal bovine serum is associated with polar body degeneration after in vitro maturation of bovine oocytes. <i>Journal of the Hellenic Veterinary Medical Society</i> , 2018, 68, 279.	0.3	0