

Teresa Muiño-Blanco

List of Publications by Year in descending order

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92
papers

3,131
citations

109264

35
h-index

175177

52
g-index

93
all docs

93
docs citations

93
times ranked

1993
citing authors

#	ARTICLE	IF	CITATIONS
1	Involvement of progesterone and estrogen receptors in the ram sperm acrosome reaction. Domestic Animal Endocrinology, 2021, 74, 106527.	0.8	3
2	Influence of Non-conventional Sperm Quality Parameters on Field Fertility in Ovine. Frontiers in Veterinary Science, 2021, 8, 650572.	0.9	8
3	Underlying molecular mechanism in the modulation of the ram sperm acrosome reaction by progesterone and 17 β -estradiol. Animal Reproduction Science, 2020, 221, 106567.	0.5	5
4	Vasectomy and Photoperiodic Regimen Modify the Protein Profile, Hormonal Content and Antioxidant Enzymes Activity of Ram Seminal Plasma. International Journal of Molecular Sciences, 2020, 21, 8063.	1.8	10
5	Melatonin membrane receptors MT1 and MT2 are expressed in ram spermatozoa from non-seasonal breeds. Tropical Animal Health and Production, 2020, 52, 2549-2557.	0.5	4
6	Does Melatonin Exert Its Effect on Ram Sperm Capacitation Through Nitric Oxide Synthase Regulation?. International Journal of Molecular Sciences, 2020, 21, 2093.	1.8	6
7	Presence of melatonin α -catabolizing non α -specific enzymes myeloperoxidase and indoleamine 2,3 α -dioxygenase in the ram reproductive tract. Reproduction in Domestic Animals, 2019, 54, 1643-1650.	0.6	4
8	Role of melatonin on embryo viability in sheep. Reproduction, Fertility and Development, 2019, 31, 82.	0.1	19
9	OpenCASA: A new open-source and scalable tool for sperm quality analysis. PLoS Computational Biology, 2019, 15, e1006691.	1.5	46
10	Changes in melatonin concentrations in seminal plasma are not correlated with testosterone or antioxidant enzyme activity when rams are located in areas with an equatorial photoperiod. Animal Reproduction Science, 2019, 200, 22-30.	0.5	10
11	Melatonin reduces cAMP-stimulated capacitation of ram spermatozoa. Reproduction, Fertility and Development, 2019, 31, 420.	0.1	30
12	Melatonin affects the motility and adhesiveness of in \hat{A} vitro capacitated boar spermatozoa via a mechanism that does not depend on intracellular <scp>ROS</scp> levels. Andrology, 2018, 6, 720-736.	1.9	14
13	Sperm quality and seminal plasma proteins in three sheep breeds under high altitude and tropical conditions. Spanish Journal of Agricultural Research, 2018, 16, e0403.	0.3	12
14	Effect of seminal plasma proteins on the motile sperm subpopulations in ram ejaculates. Reproduction, Fertility and Development, 2017, 29, 394.	0.1	27
15	c-Jun N-terminal kinase and p38 mitogen-activated protein kinase pathways link capacitation with apoptosis and seminal plasma proteins protect sperm by interfering with both routes α . Biology of Reproduction, 2017, 96, 800-815.	1.2	19
16	Steroid hormone receptors and direct effects of steroid hormones on ram spermatozoa. Reproduction, 2017, 154, 469-481.	1.1	13
17	Profile and reproductive roles of seminal plasma melatonin of boar ejaculates used in artificial insemination programs1. Journal of Animal Science, 2017, 95, 1660-1668.	0.2	7
18	Melatonin MT1 and MT2 Receptors in the Ram Reproductive Tract. International Journal of Molecular Sciences, 2017, 18, 662.	1.8	33

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19	Evaluation of Lasting Effects of Heat Stress on Sperm Profile and Oxidative Status of Ram Semen and Epididymal Sperm. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	66
20	The melatonin concentration in boar seminal plasma: A predictive in vivo fertility marker?. <i>Animal Reproduction Science</i> , 2016, 169, 131.	0.5	2
21	Expression, cellular localization, and involvement of the pentose phosphate pathway enzymes in the regulation of ram sperm capacitation. <i>Theriogenology</i> , 2016, 86, 704-714.	0.9	16
22	Evidence of melatonin synthesis in the ram reproductive tract. <i>Andrology</i> , 2016, 4, 163-171.	1.9	71
23	Melatonin receptors MT1 and MT2 are expressed in spermatozoa from several seasonal and nonseasonal breeder species. <i>Theriogenology</i> , 2016, 86, 1958-1968.	0.9	41
24	Effects of 17- β estradiol and progesterone on ram sperm functionality. <i>Animal Reproduction Science</i> , 2016, 169, 111.	0.5	1
25	New evidence of melatonin receptor contribution to ram sperm functionality. <i>Reproduction, Fertility and Development</i> , 2016, 28, 924.	0.1	22
26	Induced lipid peroxidation in ram sperm: semen profile, DNA fragmentation and antioxidant status. <i>Reproduction</i> , 2016, 151, 379-390.	1.1	44
27	Intracellular calcium movements of boar spermatozoa during <i>in vitro</i> capacitation and subsequent acrosome exocytosis follow a multiple-storage place, extracellular calcium-dependent model. <i>Andrology</i> , 2015, 3, 729-747.	1.9	56
28	Cleaved PARP-1, an Apoptotic Marker, can be Detected in Ram Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2015, 50, 688-691.	0.6	19
29	New Insights into the Phylogeny and Gene Context Analysis of Binder of Sperm Proteins (BSPs). <i>PLoS ONE</i> , 2015, 10, e0137008.	1.1	7
30	Ram seminal plasma proteins contribute to sperm capacitation and modulate sperm-zona pellucida interaction. <i>Theriogenology</i> , 2015, 83, 670-678.	0.9	15
31	Melatonin in Sperm Biology: Breaking Paradigms. <i>Reproduction in Domestic Animals</i> , 2014, 49, 11-21.	0.6	37
32	Oligomycin A-induced inhibition of mitochondrial ATP-synthase activity suppresses boar sperm motility and in vitro capacitation achievement without modifying overall sperm energy levels. <i>Reproduction, Fertility and Development</i> , 2014, 26, 883.	0.1	47
33	Function of ram spermatozoa frozen in diluents supplemented with casein and vegetable oils. <i>Animal Reproduction Science</i> , 2013, 138, 213-219.	0.5	17
34	The effect of exogenous melatonin during the non-reproductive season on the seminal plasma hormonal profile and the antioxidant defence system of Rasa Aragonesa rams. <i>Animal Reproduction Science</i> , 2013, 138, 168-174.	0.5	45
35	Characterization of the cDNA and in vitro expression of the ram seminal plasma protein RSVP14. <i>Gene</i> , 2013, 519, 271-278.	1.0	7
36	New Insights into the Mechanisms of Ram Sperm Protection by Seminal Plasma Proteins. <i>Biology of Reproduction</i> , 2013, 88, 149-149.	1.2	32

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37	Identification and immunolocalisation of melatonin MT1 and MT2 receptors in Rasa Aragonesa ram spermatozoa. <i>Reproduction, Fertility and Development</i> , 2012, 24, 953.	0.1	49
38	Use of laparoscopic intrauterine insemination associated with a simplified superovulation treatment for in vivo embryo production in sheep: a preliminary report. <i>Animal Production Science</i> , 2012, 52, 1111.	0.6	2
39	Quality characteristics and fertilizing ability of ram sperm subpopulations separated by partition in an aqueous two-phase system. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 880, 74-81.	1.2	8
40	Soy Lecithin Interferes With Mitochondrial Function in Frozen-Thawed Ram Spermatozoa. <i>Journal of Andrology</i> , 2012, 33, 717-725.	2.0	43
41	A Novel Epidermal Growth Factor-Dependent Extracellular Signal-Regulated MAP Kinase Cascade Involved in Sperm Functionality in Sheep1. <i>Biology of Reproduction</i> , 2012, 87, 93.	1.2	17
42	Centrifugal countercurrent chromatography to elucidate surface differences of adipose tissue-derived stem cells. <i>Journal of Separation Science</i> , 2012, 35, 1388-1398.	1.3	0
43	Repeated superovulation using a simplified FSH/eCG treatment for in vivo embryo production in sheep. <i>Theriogenology</i> , 2011, 75, 769-776.	0.9	44
44	In Vitro Capacitation and Acrosome Reaction are Concomitant with Specific Changes in Mitochondrial Activity in Boar Sperm: Evidence for a Nucleated Mitochondrial Activation and for the Existence of a Capacitation-Sensitive Subpopulational Structure. <i>Reproduction in Domestic Animals</i> , 2011, 46, 664-673.	0.6	51
45	Effects of Melatonin Implants During Non-Breeding Season on Sperm Motility and Reproductive Parameters in Rasa Aragonesa Rams. <i>Reproduction in Domestic Animals</i> , 2010, 45, 425-432.	0.6	70
46	Seasonal variations of melatonin in ram seminal plasma are correlated to those of testosterone and antioxidant enzymes. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 59.	1.4	90
47	Melatonin prevents capacitation and apoptotic-like changes of ram spermatozoa and increases fertility rate. <i>Journal of Pineal Research</i> , 2010, 48, 39-46.	3.4	108
48	Caffeine induces ram sperm hyperactivation independent of cAMP-dependent protein kinase. <i>Journal of Developmental and Physical Disabilities</i> , 2010, 33, e187-97.	3.6	41
49	Significance of Non-conventional Parameters in the Evaluation of Cooling-induced Damage to Ram Spermatozoa Diluted in Three Different Media. <i>Reproduction in Domestic Animals</i> , 2010, 45, e260-8.	0.6	12
50	Changes in content and localization of proteins phosphorylated at tyrosine, serine and threonine residues during ram sperm capacitation and acrosome reaction. <i>Reproduction</i> , 2009, 137, 655-667.	1.1	32
51	Ultrastructural study of the ability of seminal plasma proteins to protect ram spermatozoa against cold-shock. <i>Microscopy Research and Technique</i> , 2009, 72, 566-572.	1.2	32
52	Changes in Actin Distribution of Ram Spermatozoa under Different Experimental Conditions. <i>Reproduction in Domestic Animals</i> , 2009, 44, 221-227.	0.6	5
53	Changes in calmodulin immunocytochemical localization associated with capacitation and acrosomal exocytosis of ram spermatozoa. <i>Theriogenology</i> , 2009, 71, 789-800.	0.9	18
54	Identification of RSVP14 and RSVP20 Components by Two-dimensional Electrophoresis and Western blotting. <i>Reproduction in Domestic Animals</i> , 2008, 43, 15-21.	0.6	21

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55	Seminal Plasma Proteins and Sperm Resistance to Stress. <i>Reproduction in Domestic Animals</i> , 2008, 43, 18-31.	0.6	122
56	Cyclic-AMP initiates protein tyrosine phosphorylation independent of cholesterol efflux during ram sperm capacitation. <i>Reproduction, Fertility and Development</i> , 2008, 20, 649.	0.1	35
57	Study of apoptosis-related markers in ram spermatozoa. <i>Animal Reproduction Science</i> , 2008, 106, 113-132.	0.5	44
58	Effects of ageing and exogenous melatonin on pituitary responsiveness to GnRH in ewes during anestrus and the reproductive season. <i>Theriogenology</i> , 2007, 67, 855-862.	0.9	19
59	Seasonal variations in antioxidant enzyme activity in ram seminal plasma. <i>Theriogenology</i> , 2007, 67, 1446-1454.	0.9	86
60	Cryosurvival and In Vitro Fertilizing Capacity Postthaw Is Improved When Boar Spermatozoa Are Frozen in the Presence of Seminal Plasma From Good Freezer Boars. <i>Journal of Andrology</i> , 2007, 28, 689-697.	2.0	94
61	New method for the treatment of sperm samples for ultrastructural study based on the use of animal tissues as biological containers. <i>Microscopy Research and Technique</i> , 2007, 70, 657-662.	1.2	1
62	Comparative Study of Four Different Sperm Washing Methods Using Apoptotic Markers in Ram Spermatozoa. <i>Journal of Andrology</i> , 2006, 27, 746-753.	2.0	31
63	Immunohistochemical Localization of Sperm-Preserving Proteins in the Ram Reproductive Tract. <i>Journal of Andrology</i> , 2006, 27, 588-595.	2.0	25
64	The effect of melatonin implants during the seasonal anestrus on embryo production after superovulation in aged high-prolificacy Rasa Aragonesa ewes. <i>Theriogenology</i> , 2006, 65, 356-365.	0.9	64
65	Monthly variations in ovine seminal plasma proteins analyzed by two-dimensional polyacrylamide gel electrophoresis. <i>Theriogenology</i> , 2006, 66, 841-850.	0.9	73
66	Signal transduction mechanisms involved in in vitro ram sperm capacitation. <i>Reproduction</i> , 2006, 132, 721-732.	1.1	61
67	Sperm survival and heterogeneity are correlated with fertility after intrauterine insemination in superovulated ewes. <i>Theriogenology</i> , 2005, 63, 748-762.	0.9	8
68	Immunocytochemical Localization and Biochemical Characterization of Two Seminal Plasma Proteins That Protect Ram Spermatozoa Against Cold Shock. <i>Journal of Andrology</i> , 2005, 26, 539-549.	2.0	92
69	Ram Sperm Selection by a Dextran/Swim-Up Procedure Increases Fertilization Rates Following Intrauterine Insemination in Superovulated Ewes. <i>Journal of Andrology</i> , 2004, 25, 982-990.	2.0	24
70	Different functional states of ram spermatozoa analysed by partition in an aqueous two-phase system. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 795, 83-91.	1.2	8
71	Survival rate and antioxidant enzyme activity of ram spermatozoa after dilution with different extenders or selection by a dextran swim-up procedure. <i>Theriogenology</i> , 2003, 60, 1025-1037.	0.9	40
72	Prediction of fertility by centrifugal countercurrent distribution (CCCD) analysis: correlation between viability and heterogeneity of ram semen and field fertility. <i>Reproduction</i> , 2002, 123, 869-875.	1.1	18

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73	Seminal plasma proteins reduce protein tyrosine phosphorylation in the plasma membrane of cold-shocked ram spermatozoa. <i>Molecular Reproduction and Development</i> , 2002, 61, 226-233.	1.0	66
74	Semen plasma proteins prevent cold-shock membrane damage to ram spermatozoa. <i>Theriogenology</i> , 2001, 56, 425-434.	0.9	97
75	Seasonal differences in ram seminal plasma revealed by partition in an aqueous two-phase system. <i>Biomedical Applications</i> , 2001, 760, 113-121.	1.7	42
76	Sperm washing method alters the ability of seminal plasma proteins to revert the cold-shock damage on ram sperm membrane. <i>Journal of Developmental and Physical Disabilities</i> , 2001, 24, 352-359.	3.6	19
77	Sperm washing method alters the ability of seminal plasma proteins to revert the cold-shock damage on ram sperm membrane. <i>Journal of Developmental and Physical Disabilities</i> , 2001, 24, 352-9.	3.6	4
78	Seminal Plasma Proteins Revert the Cold-Shock Damage on Ram Sperm Membrane1. <i>Biology of Reproduction</i> , 2000, 63, 1531-1537.	1.2	176
79	Assessment of the acrosomal status of ram spermatozoa by RCA lectin-binding and partition in an aqueous two-phase system. <i>Journal of Andrology</i> , 2000, 21, 541-8.	2.0	7
80	Separation of ram spermatozoa bearing X and Y chromosome by centrifugal countercurrent distribution in an aqueous two-phase system. <i>Journal of Andrology</i> , 2000, 21, 921-8.	2.0	9
81	Sperm-lectin agglutination combined with swim-up leads to an efficient selection of highly motile, viable and heterogeneous ram spermatozoa. <i>Theriogenology</i> , 1999, 51, 623-636.	0.9	7
82	Improvement of Ram Sperm Cryopreservation Protocols Assessed by Sperm Quality Parameters and Heterogeneity Analysis. <i>Cryobiology</i> , 1998, 37, 1-12.	0.3	63
83	Surface changes of ram spermatozoa by adsorption of homologous and heterologous seminal plasma proteins revealed by partition in an aqueous two-phase system. <i>Reproduction, Fertility and Development</i> , 1997, 9, 381.	0.1	33
84	Improvement of cryopreserved ram sperm heterogeneity and viability by addition of seminal plasma. <i>Journal of Andrology</i> , 1997, 18, 732-9.	2.0	21
85	A dextran swim-up procedure for separation of highly motile and viable ram spermatozoa from seminal plasma. <i>Theriogenology</i> , 1996, 46, 141-151.	0.9	61
86	Short-term inhibition of the energy metabolism affects motility but not surface properties of sperm cells. <i>Bioscience Reports</i> , 1996, 16, 35-40.	1.1	19
87	Viability of ram spermatozoa in relation to the abstinence period and successive ejaculations. <i>Journal of Developmental and Physical Disabilities</i> , 1996, 19, 287-292.	3.6	83
88	Reversion of thermic-shock effect on ram spermatozoa by adsorption of seminal plasma proteins revealed by partition in aqueous two-phase systems. <i>Biomedical Applications</i> , 1996, 680, 137-143.	1.7	41
89	Revealing surface changes associated with maturation of ram spermatozoa by centrifugal counter-current distribution in an aqueous two-phase system. <i>Journal of Chromatography A</i> , 1994, 668, 173-178.	1.8	27
90	Acquisition of viable-like surface properties of sperm cells by adsorption of seminal plasma proteins revealed by centrifugal countercurrent distribution. <i>Biology of the Cell</i> , 1994, 82, 75-78.	0.7	16

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91	Sperm cell heterogeneity revealed by centrifugal counter-current distribution in an aqueous two-phase system. <i>Biomedical Applications</i> , 1993, 617, 51-57.	1.7	25
92	Management of sedimentation in centrifugal counter-current distribution of sperm cells in an aqueous 2-phase system. <i>Journal of Proteomics</i> , 1992, 24, 275-284.	2.4	12