

Rosaura PÃ©rez-Pe

List of Publications by Year in descending order

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59
papers

1,872
citations

236925

25
h-index

265206

42
g-index

63
all docs

63
docs citations

63
times ranked

1445
citing authors

#	ARTICLE	IF	CITATIONS
1	Seminal Plasma Proteins Revert the Cold-Shock Damage on Ram Sperm Membrane. <i>Biology of Reproduction</i> , 2000, 63, 1531-1537.	2.7	176
2	Seminal Plasma Proteins and Sperm Resistance to Stress. <i>Reproduction in Domestic Animals</i> , 2008, 43, 18-31.	1.4	122
3	Melatonin prevents capacitation and apoptotic-like changes of ram spermatozoa and increases fertility rate. <i>Journal of Pineal Research</i> , 2010, 48, 39-46.	7.4	108
4	Effect of different extenders and storage temperatures on sperm viability of liquid ram semen. <i>Theriogenology</i> , 2002, 57, 823-836.	2.1	104
5	Semen plasma proteins prevent cold-shock membrane damage to ram spermatozoa. <i>Theriogenology</i> , 2001, 56, 425-434.	2.1	97
6	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.	3.3	90
7	Evidence of melatonin synthesis in the ram reproductive tract. <i>Andrology</i> , 2016, 4, 163-171.	3.5	71
8	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.	1.4	70
9	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.	2.0	66
10	Improvement of Ram Sperm Cryopreservation Protocols Assessed by Sperm Quality Parameters and Heterogeneity Analysis. <i>Cryobiology</i> , 1998, 37, 1-12.	0.7	63
11	Identification and immunolocalisation of melatonin MT1 and MT2 receptors in Rasa Aragonesa ram spermatozoa. <i>Reproduction, Fertility and Development</i> , 2012, 24, 953.	0.4	49
12	OpenCASA: A new open-source and scalable tool for sperm quality analysis. <i>PLoS Computational Biology</i> , 2019, 15, e1006691.	3.2	46
13	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.	1.5	45
14	Study of apoptosis-related markers in ram spermatozoa. <i>Animal Reproduction Science</i> , 2008, 106, 113-132.	1.5	44
15	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
16	Melatonin receptors MT1 and MT2 are expressed in spermatozoa from several seasonal and nonseasonal breeder species. <i>Theriogenology</i> , 2016, 86, 1958-1968.	2.1	41
17	Melatonin in Sperm Biology: Breaking Paradigms. <i>Reproduction in Domestic Animals</i> , 2014, 49, 11-21.	1.4	37
18	The chick embryo appears as a natural model for research in beta-amyloid precursor protein processing. <i>Neuroscience</i> , 2005, 134, 1285-1300.	2.3	33

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19	Melatonin MT1 and MT2 Receptors in the Ram Reproductive Tract. <i>International Journal of Molecular Sciences</i> , 2017, 18, 662.	4.1	33
20	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.	0.4	33
21	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.	2.2	32
22	New Insights into the Mechanisms of Ram Sperm Protection by Seminal Plasma Proteins. <i>Biology of Reproduction</i> , 2013, 88, 149-149.	2.7	32
23	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
24	Melatonin reduces cAMP-stimulated capacitation of ram spermatozoa. <i>Reproduction, Fertility and Development</i> , 2019, 31, 420.	0.4	30
25	Effect of seminal plasma proteins on the motile sperm subpopulations in ram ejaculates. <i>Reproduction, Fertility and Development</i> , 2017, 29, 394.	0.4	27
26	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
27	Two isoforms of PSAP/MTCH1 share two proapoptotic domains and multiple internal signals for import into the mitochondrial outer membrane. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C1347-C1361.	4.6	23
28	New evidence of melatonin receptor contribution to ram sperm functionality. <i>Reproduction, Fertility and Development</i> , 2016, 28, 924.	0.4	22
29	High pre-freezing dilution improves post-thaw function of ram spermatozoa. <i>Animal Reproduction Science</i> , 2010, 119, 137-146.	1.5	20
30	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. <i>Biology of Reproduction</i> , 2017, 96, 800-815.	2.7	19
31	Role of melatonin on embryo viability in sheep. <i>Reproduction, Fertility and Development</i> , 2019, 31, 82.	0.4	19
32	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
33	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.	2.7	17
34	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.	2.1	16
35	NADPH Oxidase 5 and Melatonin: Involvement in Ram Sperm Capacitation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 655794.	3.7	16
36	Ram seminal plasma proteins contribute to sperm capacitation and modulate sperm-zona pellucida interaction. <i>Theriogenology</i> , 2015, 83, 670-678.	2.1	15

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37	Steroid hormone receptors and direct effects of steroid hormones on ram spermatozoa. <i>Reproduction</i> , 2017, 154, 469-481.	2.6	13
38	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.	1.4	12
39	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. <i>Animal Reproduction Science</i> , 2019, 200, 22-30.	1.5	10
40	Vasectomy and Photoperiodic Regimen Modify the Protein Profile, Hormonal Content and Antioxidant Enzymes Activity of Ram Seminal Plasma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8063.	4.1	10
41	Sperm survival and heterogeneity are correlated with fertility after intrauterine insemination in superovulated ewes. <i>Theriogenology</i> , 2005, 63, 748-762.	2.1	8
42	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.	2.3	8
43	Polymorphisms of the melatonin receptor 1A (MTNR1A) gene influence the age at first mating in autumn-born ram-lambs and sexual activity of adult rams in spring. <i>Theriogenology</i> , 2020, 157, 42-47.	2.1	8
44	Influence of Non-conventional Sperm Quality Parameters on Field Fertility in Ovine. <i>Frontiers in Veterinary Science</i> , 2021, 8, 650572.	2.2	8
45	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.	2.1	7
46	Characterization of the cDNA and in vitro expression of the ram seminal plasma protein RSVP14. <i>Gene</i> , 2013, 519, 271-278.	2.2	7
47	New Insights into the Phylogeny and Gene Context Analysis of Binder of Sperm Proteins (BSPs). <i>PLoS ONE</i> , 2015, 10, e0137008.	2.5	7
48	Does Melatonin Exert Its Effect on Ram Sperm Capacitation Through Nitric Oxide Synthase Regulation?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2093.	4.1	6
49	Changes in Actin Distribution of Ram Spermatozoa under Different Experimental Conditions. <i>Reproduction in Domestic Animals</i> , 2009, 44, 221-227.	1.4	5
50	Underlying molecular mechanism in the modulation of the ram sperm acrosome reaction by progesterone and 17 β -estradiol. <i>Animal Reproduction Science</i> , 2020, 221, 106567.	1.5	5
51	Expanding the Limits of Computer-Assisted Sperm Analysis through the Development of Open Software. <i>Biology</i> , 2020, 9, 207.	2.8	5
52	Presence of melatonin-catabolizing non-specific enzymes myeloperoxidase and indoleamine 2,3-dioxygenase in the ram reproductive tract. <i>Reproduction in Domestic Animals</i> , 2019, 54, 1643-1650.	1.4	4
53	Melatonin membrane receptors MT1 and MT2 are expressed in ram spermatozoa from non-seasonal breeds. <i>Tropical Animal Health and Production</i> , 2020, 52, 2549-2557.	1.4	4
54	Testicular Ultrasound Analysis as a Predictive Tool of Ram Sperm Quality. <i>Biology</i> , 2022, 11, 261.	2.8	4

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55	Involvement of progesterone and estrogen receptors in the ram sperm acrosome reaction. Domestic Animal Endocrinology, 2021, 74, 106527.	1.6	3
56	Identification of beta-nerve growth factor in dromedary camel seminal plasma and its role in induction of ovulation in females. Emirates Journal of Food and Agriculture, 2017, , 1.	1.0	3
57	Sperm Behavior and Response to Melatonin under Capacitating Conditions in Three Sheep Breeds Subject to the Equatorial Photoperiod. Animals, 2021, 11, 1828.	2.3	1
58	Centrifugal countercurrent chromatography to elucidate surface differences of adipose tissue-derived stem cells. Journal of Separation Science, 2012, 35, 1388-1398.	2.5	0
59	Semen Quality of Rasa Aragonesa Rams Carrying the FecXR Allele of the BMP15 Gene. Animals, 2020, 10, 1628.	2.3	0