

Adriana Casao

List of Publications by Year in descending order

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51
papers

1,075
citations

430874

18
h-index

434195

31
g-index

55
all docs

55
docs citations

55
times ranked

988
citing authors

#	ARTICLE	IF	CITATIONS
1	Testicular Ultrasound Analysis as a Predictive Tool of Ram Sperm Quality. <i>Biology</i> , 2022, 11, 261.	2.8	4
2	Melatonin affects red deer spermatozoa motility and physiology in capacitating and non-capacitating conditions. <i>Reproduction in Domestic Animals</i> , 2022, , .	1.4	2
3	<i>Bos taurus</i> and <i>Cervus elaphus</i> as Non-Seasonal/Seasonal Models for the Role of Melatonin Receptors in the Spermatozoon. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6284.	4.1	2
4	Long days in winter or the presence of adult sexually active rams did not influence the timing of puberty of autumn-born Rasa Aragonesa ram-lambs. <i>Biological Rhythm Research</i> , 2021, 52, 462-473.	0.9	3
5	Involvement of progesterone and estrogen receptors in the ram sperm acrosome reaction. <i>Domestic Animal Endocrinology</i> , 2021, 74, 106527.	1.6	3
6	NADPH Oxidase 5 and Melatonin: Involvement in Ram Sperm Capacitation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 655794.	3.7	16
7	Influence of Non-conventional Sperm Quality Parameters on Field Fertility in Ovine. <i>Frontiers in Veterinary Science</i> , 2021, 8, 650572.	2.2	8
8	Sperm Behavior and Response to Melatonin under Capacitating Conditions in Three Sheep Breeds Subject to the Equatorial Photoperiod. <i>Animals</i> , 2021, 11, 1828.	2.3	1
9	Semen Quality of Rasa Aragonesa Rams Carrying the FecXR Allele of the BMP15 Gene. <i>Animals</i> , 2020, 10, 1628.	2.3	0
10	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
11	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
12	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
13	Melatonin Non-Linearly Modulates Bull Spermatozoa Motility and Physiology in Capacitating and Non-Capacitating Conditions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2701.	4.1	9
14	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
15	Role of melatonin on embryo viability in sheep. <i>Reproduction, Fertility and Development</i> , 2019, 31, 82.	0.4	19
16	OpenCASA: A new open-source and scalable tool for sperm quality analysis. <i>PLoS Computational Biology</i> , 2019, 15, e1006691.	3.2	46
17	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
18	Melatonin reduces cAMP-stimulated capacitation of ram spermatozoa. <i>Reproduction, Fertility and Development</i> , 2019, 31, 420.	0.4	30

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19	Melatonin affects the motility and adhesiveness of in vitro capacitated boar spermatozoa via a mechanism that does not depend on intracellular ROS levels. <i>Andrology</i> , 2018, 6, 720-736.	3.5	14
20	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
21	A preliminary study of the effects of organic farming on oocyte quality in ewe lambs. <i>Zygote</i> , 2017, 25, 98-102.	1.1	1
22	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
23	Steroid hormone receptors and direct effects of steroid hormones on ram spermatozoa. <i>Reproduction</i> , 2017, 154, 469-481.	2.6	13
24	Profile and reproductive roles of seminal plasma melatonin of boar ejaculates used in artificial insemination programs. <i>Journal of Animal Science</i> , 2017, 95, 1660-1668.	0.5	7
25	Melatonin MT1 and MT2 Receptors in the Ram Reproductive Tract. <i>International Journal of Molecular Sciences</i> , 2017, 18, 662.	4.1	33
26	Identification of beta-nerve growth factor in dromedary camel seminal plasma and its role in induction of ovulation in females. <i>Emirates Journal of Food and Agriculture</i> , 2017, , 1.	1.0	3
27	The melatonin concentration in boar seminal plasma: A predictive in vivo fertility marker?. <i>Animal Reproduction Science</i> , 2016, 169, 131.	1.5	2
28	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
29	Evidence of melatonin synthesis in the ram reproductive tract. <i>Andrology</i> , 2016, 4, 163-171.	3.5	71
30	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
31	Effects of 17 β estradiol and progesterone on ram sperm functionality. <i>Animal Reproduction Science</i> , 2016, 169, 111.	1.5	1
32	New evidence of melatonin receptor contribution to ram sperm functionality. <i>Reproduction, Fertility and Development</i> , 2016, 28, 924.	0.4	22
33	Cleaved PARP1, an Apoptotic Marker, can be Detected in Ram Spermatozoa. <i>Reproduction in Domestic Animals</i> , 2015, 50, 688-691.	1.4	19
34	Periconceptual undernutrition increases quantity and quality of oocyte population, but not cognitive or emotional response of 60-day-old lambs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2015, 99, 501-510.	2.2	4
35	Ram seminal plasma proteins contribute to sperm capacitation and modulate sperm-zona pellucida interaction. <i>Theriogenology</i> , 2015, 83, 670-678.	2.1	15
36	The effect of periconceptual undernutrition of sheep on the cognitive/emotional response and oocyte quality of offspring at 30 days of age. <i>Journal of Developmental Origins of Health and Disease</i> , 2014, 5, 79-87.	1.4	19

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37	Melatonin in Sperm Biology: Breaking Paradigms. <i>Reproduction in Domestic Animals</i> , 2014, 49, 11-21.	1.4	37
38	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
39	Effect of exogenous melatonin on embryo viability and uterine environment in undernourished ewes. <i>Animal Reproduction Science</i> , 2013, 141, 52-61.	1.5	12
40	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
41	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
42	Short communication. In vitro embryo production can be modified by the previous ovarian response to a superovulatory treatment in sheep. <i>Spanish Journal of Agricultural Research</i> , 2013, 11, 366.	0.6	1
43	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
44	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.	1.3	2
45	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
46	Repeated superovulation using a simplified FSH/eCG treatment for in vivo embryo production in sheep. <i>Theriogenology</i> , 2011, 75, 769-776.	2.1	44
47	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
48	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
49	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
50	The effects of melatonin on in vitro oocyte competence and embryo development in sheep. <i>Spanish Journal of Agricultural Research</i> , 2010, 8, 35.	0.6	35
51	Effects of exogenous melatonin treatment on out-of-season ram fertility. <i>Italian Journal of Animal Science</i> , 2008, 7, 199-206.	1.9	30