

Pilar P Santolaria

List of Publications by Year in descending order

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103
papers

3,970
citations

101543
36
h-index

138484
58
g-index

103
all docs

103
docs citations

103
times ranked

2820
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate factors affecting conception rate of high producing dairy cows in northeastern Spain. Theriogenology, 2007, 67, 1379-1385.	2.1	172
2	Factors affecting pregnancy loss from gestation Day 38 to 90 in lactating dairy cows from a single herd. Theriogenology, 2002, 57, 1251-1261.	2.1	151
3	Walking activity at estrus and subsequent fertility in dairy cows. Theriogenology, 2005, 63, 1419-1429.	2.1	144
4	Breed type and ageing time effects on sensory characteristics of beef strip loin steaks. Meat Science, 1999, 51, 383-390.	5.5	125
5	Relationship between heat stress during the peri-implantation period and early fetal loss in dairy cattle. Theriogenology, 2006, 65, 799-807.	2.1	125
6	Effect of transport time on welfare and meat quality in pigs. Meat Science, 2002, 61, 425-433.	5.5	124
7	Influence of carcass weight on instrumental and sensory lamb meat quality in intensive production systems. Meat Science, 1996, 42, 195-202.	5.5	117
8	Assessment of breed type and ageing time effects on beef meat quality using two different texture devices. Meat Science, 2000, 55, 371-378.	5.5	117
9	Breed effect on carcase and meat quality of suckling lambs. Meat Science, 1997, 46, 357-365.	5.5	100
10	Bacterial contamination of ram semen, antibiotic sensitivities, and effects on sperm quality during storage at 15Å°C. Animal Reproduction Science, 2010, 122, 142-149.	1.5	91
11	Study of the functional anatomy of bovine oviductal mucosa. The Anatomical Record, 2000, 260, 268-278.	1.8	85
12	Computer assisted sperm morphometry in mammals: A review. Animal Reproduction Science, 2015, 156, 1-12.	1.5	81
13	Risk factors for postpartum ovarian cysts and their spontaneous recovery or persistence in lactating dairy cows. Theriogenology, 2002, 58, 1623-1632.	2.1	77
14	Influence of weaning on carcass quality, fatty acid composition and meat quality in intensive lamb production systems. Animal Science, 1998, 66, 175-187.	1.3	76
15	Screening for high fertility in high-producing dairy cows. Theriogenology, 2006, 65, 1678-1689.	2.1	75
16	Factors affecting the fertility of high producing dairy herds in northeastern Spain. Theriogenology, 2007, 67, 632-638.	2.1	73
17	Timing of Early Foetal Loss for Single and Twin Pregnancies in Dairy Cattle. Reproduction in Domestic Animals, 2004, 39, 429-433.	1.4	72
18	Milk production correlates negatively with plasma levels of pregnancy-associated glycoprotein (PAG) during the early fetal period in high producing dairy cows with live fetuses. Domestic Animal Endocrinology, 2007, 32, 29-42.	1.6	72

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19	Effect of stress-induced high post-mortem pH on protease activity and tenderness of beef. Meat Science, 1997, 45, 201-207.	5.5	67
20	Progesterone supplementation during the early fetal period reduces pregnancy loss in high-yielding dairy cattle. Theriogenology, 2004, 62, 1529-1535.	2.1	67
21	The effects of GnRH treatment at the time of AI and 12 days later on reproductive performance of high producing dairy cows during the warm season in northeastern Spain. Theriogenology, 2006, 65, 820-830.	2.1	60
22	Influence of lairage time on some welfare and meat quality parameters in pigs. Veterinary Research, 2002, 33, 239-250.	3.0	58
23	Predictive capacity of sperm quality parameters and sperm subpopulations on field fertility after artificial insemination in sheep. Animal Reproduction Science, 2015, 163, 82-88.	1.5	55
24	Influence of calving season on the interactions among reproductive disorders of dairy cows. Animal Science, 1998, 67, 387-393.	1.3	50
25	Factors affecting walking activity at estrus during postpartum period and subsequent fertility in dairy cows. Theriogenology, 2006, 66, 1943-1950.	2.1	50
26	Sperm population structure in high and low field fertility rams. Animal Reproduction Science, 2015, 156, 128-134.	1.5	49
27	Effect of solid storage at 15°C on the subsequent motility and fertility of rabbit semen. Theriogenology, 2005, 64, 252-260.	2.1	48
28	Effect of reproductive disorders previous to conception on pregnancy attrition in dairy cows. Theriogenology, 1996, 46, 643-648.	2.1	46
29	CASA-Mot in mammals: an update. Reproduction, Fertility and Development, 2018, 30, 799.	0.4	46
30	OpenCASA: A new open-source and scalable tool for sperm quality analysis. PLoS Computational Biology, 2019, 15, e1006691.	3.2	46
31	Persistent ovarian follicles in dairy cows: a therapeutic approach. Theriogenology, 2001, 56, 649-659.	2.1	45
32	Influence of management factors on pregnancy attrition in dairy cattle. Theriogenology, 1996, 45, 1247-1253.	2.1	44
33	Protection against abortion linked to gamma interferon production in pregnant dairy cows naturally infected with Neospora caninum. Theriogenology, 2007, 68, 1067-1073.	2.1	42
34	A comparative study of sperm morphometric subpopulations in cattle, goat, sheep and pigs using a computer-assisted fluorescence method (CASMA-F). Animal Reproduction Science, 2013, 139, 182-189.	1.5	41
35	Plasma concentrations of pregnancy-associated glycoprotein-1 (PAG-1) in high producing dairy cows suffering early fetal loss during the warm season. Theriogenology, 2007, 67, 1324-1330.	2.1	40
36	Standardization of CASA sperm motility assessment in the ram. Small Ruminant Research, 2013, 112, 128-135.	1.2	39

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37	Factors affecting the response to the specific treatment of several forms of clinical anestrus in high producing dairy cows. <i>Theriogenology</i> , 2008, 69, 1095-1103.	2.1	37
38	Effects of crossbreed pregnancies on the abortion risk of <i>Neospora caninum</i> -infected dairy cows. <i>Veterinary Parasitology</i> , 2009, 163, 323-329.	1.8	36
39	Effects of solid storage of sheep spermatozoa at 15°C on their survival and penetrating capacity. <i>Theriogenology</i> , 2005, 64, 1844-1851.	2.1	34
40	Relationships between Milk Production, Ovarian Function and Fertility in High-producing Dairy Herds in North-eastern Spain. <i>Reproduction in Domestic Animals</i> , 2008, 43, 38-43.	1.4	34
41	Automatic evaluation of ram sperm morphometry. <i>Theriogenology</i> , 2012, 77, 1343-1350.	2.1	34
42	The Use of Beef Bull Semen Reduced the Risk of Abortion in <i>Neospora</i> -seropositive Dairy Cows. <i>Zoonoses and Public Health</i> , 2005, 52, 88-92.	1.4	33
43	Reproductive performance of lactating dairy cows treated with cloprostenol at the time of insemination. <i>Theriogenology</i> , 2004, 62, 677-689.	2.1	32
44	Role of Antioxidants in Cooled Liquid Storage of Mammal Spermatozoa. <i>Antioxidants</i> , 2021, 10, 1096.	5.1	32
45	<i>Neospora caninum</i> Infection Does Not Affect the Fertility of Dairy Cows in Herds with High Incidence of <i>Neospora</i> -associated Abortions. <i>Zoonoses and Public Health</i> , 2005, 52, 51-53.	1.4	31
46	Influence of social dominance on production, welfare and the quality of meat from beef bulls. <i>Meat Science</i> , 2013, 94, 432-437.	5.5	31
47	Factors Affecting Plasma Pregnancy-associated Glycoprotein 1 Concentrations Throughout Gestation in High-producing Dairy Cows. <i>Reproduction in Domestic Animals</i> , 2009, 44, 600-605.	1.4	30
48	In vitro assessment of sperm quality from rams of high and low field fertility. <i>Animal Reproduction Science</i> , 2014, 146, 15-20.	1.5	30
49	Vitrification of pre-pubertal ovine cumulus-oocyte complexes: Effect of cytochalasin B pre-treatment. <i>Animal Reproduction Science</i> , 2006, 93, 176-182.	1.5	29
50	Comparison of Membrane-Permeant Fluorescent Probes for Sperm Viability Assessment in the Ram. <i>Reproduction in Domestic Animals</i> , 2013, 48, 598-603.	1.4	26
51	Rheological and ultrastructural properties of bovine vaginal fluid obtained at oestrus. <i>Journal of Anatomy</i> , 2002, 201, 53-60.	1.5	25
52	Plasma pregnancy-associated glycoprotein-1 (PAG-1) concentrations during gestation in <i>Neospora</i> -infected dairy cows. <i>Theriogenology</i> , 2007, 67, 502-508.	2.1	25
53	Factors affecting plasma progesterone in the early fetal period in high producing dairy cows. <i>Theriogenology</i> , 2008, 69, 426-432.	2.1	25
54	Effects of cumulative stressful and acute variation episodes of farm climate conditions on late embryo/early fetal loss in high producing dairy cows. <i>International Journal of Biometeorology</i> , 2010, 54, 93-98.	3.0	25

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55	Factors affecting fertility after cervical insemination with cooled semen in meat sheep. <i>Animal Reproduction Science</i> , 2012, 132, 139-144.	1.5	24
56	Effect of production system before the finishing period on carcass, meat and fat qualities of beef. <i>Animal</i> , 2013, 7, 2063-2072.	3.3	24
57	Pregnancy Rate after Timed Artificial Insemination in Early Post-partum Dairy Cows after Ovsynch or Specific Synchronization Protocols. <i>Transboundary and Emerging Diseases</i> , 2004, 51, 33-38.	0.6	23
58	Specific anti- <i>Neospora caninum</i> IgG1 and IgG2 antibody responses during gestation in naturally infected cattle and their relationship with gamma interferon production. <i>Veterinary Immunology and Immunopathology</i> , 2009, 130, 35-42.	1.2	23
59	Use of image analysis to assess the plasma membrane integrity of ram spermatozoa in different diluents. <i>Theriogenology</i> , 2008, 70, 192-198.	2.1	22
60	A comparative study of the sperm nuclear morphometry in cattle, goat, sheep, and pigs using a new computer-assisted method (CASMA-F). <i>Theriogenology</i> , 2013, 79, 436-442.	2.1	22
61	Determining the relationship between bull sperm kinematic subpopulations and fluorescence groups using an integrated sperm quality analysis technique. <i>Reproduction, Fertility and Development</i> , 2018, 30, 919.	0.4	22
62	LOW SEROPREVALENCE OF NEOSPORA CANINUM INFECTION ASSOCIATED WITH THE LIMOUSIN BREED IN COW-CALF HERDS IN ANDORRA, EUROPE. <i>Journal of Parasitology</i> , 2007, 93, 1029-1032.	0.7	21
63	Some Factors Affecting the Abortion Rate in Dairy Herds with High Incidence of <i>Neospora</i> -Associated Abortions are Different in Cows and Heifers. <i>Reproduction in Domestic Animals</i> , 2009, 45, 699-705.	1.4	21
64	Zwitterionic buffers preserve ram semen quality more efficiently than TRIS during storage at 15°C. <i>Small Ruminant Research</i> , 2011, 95, 54-60.	1.2	21
65	Different humoral mechanisms against <i>Neospora caninum</i> infection in purebred and crossbreed beef/dairy cattle pregnancies. <i>Veterinary Parasitology</i> , 2011, 178, 70-76.	1.8	20
66	Intraperitoneal Insemination in Mammals: A Review. <i>Reproduction in Domestic Animals</i> , 2002, 37, 75-80.	1.4	19
67	Luteal activity at the onset of a timed insemination protocol affects reproductive outcome in early postpartum dairy cows. <i>Theriogenology</i> , 2003, 60, 583-593.	2.1	19
68	Progesterone supplementation during mid-gestation increases the risk of abortion in <i>Neospora</i> -infected dairy cows with high antibody titres. <i>Veterinary Parasitology</i> , 2007, 145, 164-167.	1.8	19
69	Three-dimensional Architecture of the Ovine Oviductal Mucosa. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2014, 43, 331-340.	0.7	19
70	Sperm Quality Assessment in Honey Bee Drones. <i>Biology</i> , 2020, 9, 174.	2.8	19
71	Climate factors affecting fertility after cervical insemination during the first months of the breeding season in Rasa Aragonesa ewes. <i>International Journal of Biometeorology</i> , 2014, 58, 1651-1655.	3.0	18
72	In Vitro Development of Bovine Embryos Encapsulated in Sodium Alginate. <i>Transboundary and Emerging Diseases</i> , 2002, 49, 393-395.	0.6	17

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73	Factors affecting plasma prolactin concentrations throughout gestation in high producing dairy cows. Domestic Animal Endocrinology, 2009, 36, 57-66.	1.6	17
74	Comparison of different statistical approaches to evaluate morphometric sperm subpopulations in man. Asian Journal of Andrology, 2016, 18, 819-823.	1.6	17
75	Toward an integrative and predictive sperm quality analysis in Bos taurus. Animal Reproduction Science, 2017, 181, 108-114.	1.5	16
76	Relationship between Rainfall and Neospora caninum-associated Abortion in Two Dairy Herds in a Dry Environment. Zoonoses and Public Health, 2005, 52, 147-152.	1.4	15
77	Study of nuclear and acrosomal sperm morphometry in ram using a computer-assisted sperm morphometry analysis fluorescence (CASMA-F) method. Theriogenology, 2014, 82, 921-924.	2.1	15
78	Rheological behavior of the vaginal fluid of dairy cows at estrus. Theriogenology, 1996, 46, 57-63.	2.1	14
79	A comparative study of the morphometry of sperm head components in cattle, sheep, and pigs with a computer-assisted fluorescence method. Asian Journal of Andrology, 2016, 18, 840.	1.6	14
80	Consumers' willingness to pay for beef direct sales. A regional comparison across the Pyrenees. Appetite, 2012, 58, 1118-1127.	3.7	13
81	Morphometric and kinematic sperm subpopulations in split ejaculates of normozoospermic men. Asian Journal of Andrology, 2016, 18, 831.	1.6	12
82	Computer-assisted sperm morphometry fluorescence-based analysis has potential to determine progeny sex. Asian Journal of Andrology, 2016, 18, 858.	1.6	12
83	A Scanning Electron Microscopic Study of the Peritoneal Mesothelium Covering the Genital Tract and its Ligaments in the Cow. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2000, 29, 149-155.	0.7	11
84	Relationship between fertility and the walking activity of cows at oestrus. Veterinary Record, 2003, 152, 239-240.	0.3	11
85	Anomalous Pregnancies during Late Embryonic/Early Foetal Period in High Producing Dairy Cows. Reproduction in Domestic Animals, 2009, 44, 672-676.	1.4	11
86	Tris buffer improves fluorescence yield of ram spermatozoa when evaluating membrane integrity. Microscopy Research and Technique, 2012, 75, 520-523.	2.2	11
87	Effect of chamber characteristics, incubation, and diluent on motility of honey bee (Apis mellifera) drone sperm. Apidologie, 2019, 50, 472-481.	2.0	11
88	Use of Relief Contrast Objective to Improve Sperm Morphometric Analysis by Isas Casa System in the Ram. Reproduction in Domestic Animals, 2013, 48, 1019-1024.	1.4	10
89	Revisiting Cattle Temperament in Beef Cow-Calf Systems: Insights from Farmers' Perceptions about an Autochthonous Breed. Animals, 2021, 11, 82.	2.3	9
90	The relationship of rheological behavior of the vaginal fluid at the time of insemination to the pregnancy rate in dairy cows. Theriogenology, 1997, 48, 865-871.	2.1	8

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91	Dynamics of heat shock protein 70 concentrations in peripheral blood lymphocyte lysates during pregnancy in lactating Holstein-Friesian cows. <i>Theriogenology</i> , 2009, 72, 1041-1046.	2.1	8
92	Effects of presynchronization during the preservice period on subsequent ovarian activity in lactating dairy cows. <i>Theriogenology</i> , 2003, 60, 545-552.	2.1	7
93	Short communication. Evaluation of a commercial kit based on acridine orange/propidium iodide to assess the plasma membrane integrity of ram sperm. <i>Spanish Journal of Agricultural Research</i> , 2013, 11, 362.	0.6	7
94	Automatic determination of landmark coordinates for honey bee forewing venation using a new MATLAB-based tool. <i>Journal of Apicultural Research</i> , 2018, 57, 605-610.	1.5	5
95	Relationships between Body Weight and Milk Yield During the Early Postpartum Period and Bull and Technician and the Reproductive Performance of High Producing Dairy Cows. <i>Journal of Reproduction and Development</i> , 2012, 58, 366-370.	1.4	5
96	Morphological Features and Effects on Reproductive Parameters of Ovarian Cysts of Follicular Origin in Superovulated Rabbit Does. <i>Reproduction in Domestic Animals</i> , 1998, 33, 369-378.	1.4	4
97	Early postabortion recovery of Neospora-infected lactating dairy cows. <i>Theriogenology</i> , 2009, 72, 798-802.	2.1	4
98	Surface Alterations in the Bovine Pelvic Peritoneum following Rectal Examination of Reproductive Organs: a Scanning Electron Microscopy Study. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2002, 31, 372-374.	0.7	3
99	Relationship of sperm plasma membrane and acrosomal integrities with sperm morphometry in <i>Bos taurus</i> . <i>Asian Journal of Andrology</i> , 2020, 22, 578.	1.6	3
100	Ability of the ISAS3Fun Method to Detect Sperm Acrosome Integrity and Its Potential to Discriminate between High and Low Field Fertility Bulls. <i>Biology</i> , 2021, 10, 1135.	2.8	3
101	Rapid Freezing of Rabbit Embryos has a Negative Effect on Embryo Morphology. <i>Reproduction in Domestic Animals</i> , 1997, 32, 237-241.	1.4	1
102	Effect of diluent composition on the dynamics of sperm DNA fragmentation and other sperm quality parameters in ram during incubation at 37°C. <i>Small Ruminant Research</i> , 2015, 129, 92-96.	1.2	1
103	INFLUENCE OF CONTEXTUAL AND PERSONAL FACTORS ON STUDENTS' APPROACH TO LEARNING AT UNIVERSITY DEGREES. <i>EDULEARN Proceedings</i> , 2022, , .	0.0	0