

# Pilar P Santolaria

## List of Publications by Year in descending order

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103  
papers

3,970  
citations

101535

36  
h-index

138468

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. <i>Theriogenology</i> , 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. <i>Theriogenology</i> , 2002, 57, 1251-1261.	2.1	151
3	Walking activity at estrus and subsequent fertility in dairy cows. <i>Theriogenology</i> , 2005, 63, 1419-1429.	2.1	144
4	Breed type and ageing time effects on sensory characteristics of beef strip loin steaks. <i>Meat Science</i> , 1999, 51, 383-390.	5.5	125
5	Relationship between heat stress during the peri-implantation period and early fetal loss in dairy cattle. <i>Theriogenology</i> , 2006, 65, 799-807.	2.1	125
6	Effect of transport time on welfare and meat quality in pigs. <i>Meat Science</i> , 2002, 61, 425-433.	5.5	124
7	Influence of carcass weight on instrumental and sensory lamb meat quality in intensive production systems. <i>Meat Science</i> , 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. <i>Meat Science</i> , 2000, 55, 371-378.	5.5	117
9	Breed effect on carcass and meat quality of suckling lambs. <i>Meat Science</i> , 1997, 46, 357-365.	5.5	100
10	Bacterial contamination of ram semen, antibiotic sensitivities, and effects on sperm quality during storage at 15°C. <i>Animal Reproduction Science</i> , 2010, 122, 142-149.	1.5	91
11	Study of the functional anatomy of bovine oviductal mucosa. <i>The Anatomical Record</i> , 2000, 260, 268-278.	1.8	85
12	Computer assisted sperm morphometry in mammals: A review. <i>Animal Reproduction Science</i> , 2015, 156, 1-12.	1.5	81
13	Risk factors for postpartum ovarian cysts and their spontaneous recovery or persistence in lactating dairy cows. <i>Theriogenology</i> , 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. <i>Animal Science</i> , 1998, 66, 175-187.	1.3	76
15	Screening for high fertility in high-producing dairy cows. <i>Theriogenology</i> , 2006, 65, 1678-1689.	2.1	75
16	Factors affecting the fertility of high producing dairy herds in northeastern Spain. <i>Theriogenology</i> , 2007, 67, 632-638.	2.1	73
17	Timing of Early Foetal Loss for Single and Twin Pregnancies in Dairy Cattle. <i>Reproduction in Domestic Animals</i> , 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. <i>Domestic Animal Endocrinology</i> , 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. <i>Meat Science</i> , 1997, 45, 201-207.	5.5	67
20	Progesterone supplementation during the early fetal period reduces pregnancy loss in high-yielding dairy cattle. <i>Theriogenology</i> , 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. <i>Theriogenology</i> , 2006, 65, 820-830.	2.1	60
22	Influence of lairage time on some welfare and meat quality parameters in pigs. <i>Veterinary Research</i> , 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. <i>Animal Reproduction Science</i> , 2015, 163, 82-88.	1.5	55
24	Influence of calving season on the interactions among reproductive disorders of dairy cows. <i>Animal Science</i> , 1998, 67, 387-393.	1.3	50
25	Factors affecting walking activity at estrus during postpartum period and subsequent fertility in dairy cows. <i>Theriogenology</i> , 2006, 66, 1943-1950.	2.1	50
26	Sperm population structure in high and low field fertility rams. <i>Animal Reproduction Science</i> , 2015, 156, 128-134.	1.5	49
27	Effect of solid storage at 15°C on the subsequent motility and fertility of rabbit semen. <i>Theriogenology</i> , 2005, 64, 252-260.	2.1	48
28	Effect of reproductive disorders previous to conception on pregnancy attrition in dairy cows. <i>Theriogenology</i> , 1996, 46, 643-648.	2.1	46
29	CASA-Mot in mammals: an update. <i>Reproduction, Fertility and Development</i> , 2018, 30, 799.	0.4	46
30	OpenCASA: A new open-source and scalable tool for sperm quality analysis. <i>PLoS Computational Biology</i> , 2019, 15, e1006691.	3.2	46
31	Persistent ovarian follicles in dairy cows: a therapeutic approach. <i>Theriogenology</i> , 2001, 56, 649-659.	2.1	45
32	Influence of management factors on pregnancy attrition in dairy cattle. <i>Theriogenology</i> , 1996, 45, 1247-1253.	2.1	44
33	Protection against abortion linked to gamma interferon production in pregnant dairy cows naturally infected with <i>Neospora caninum</i> . <i>Theriogenology</i> , 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). <i>Animal Reproduction Science</i> , 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. <i>Theriogenology</i> , 2007, 67, 1324-1330.	2.1	40
36	Standardization of CASA sperm motility assessment in the ram. <i>Small Ruminant Research</i> , 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 NEOSPOORA 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 15Å°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. <i>Domestic Animal Endocrinology</i> , 2009, 36, 57-66.	1.6	17
74	Comparison of different statistical approaches to evaluate morphometric sperm subpopulations in man. <i>Asian Journal of Andrology</i> , 2016, 18, 819-823.	1.6	17
75	Toward an integrative and predictive sperm quality analysis in <i>Bos taurus</i> . <i>Animal Reproduction Science</i> , 2017, 181, 108-114.	1.5	16
76	Relationship between Rainfall and <i>Neospora caninum</i> -associated Abortion in Two Dairy Herds in a Dry Environment. <i>Zoonoses and Public Health</i> , 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. <i>Theriogenology</i> , 2014, 82, 921-924.	2.1	15
78	Rheological behavior of the vaginal fluid of dairy cows at estrus. <i>Theriogenology</i> , 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. <i>Asian Journal of Andrology</i> , 2016, 18, 840.	1.6	14
80	Consumers' willingness to pay for beef direct sales. A regional comparison across the Pyrenees. <i>Appetite</i> , 2012, 58, 1118-1127.	3.7	13
81	Morphometric and kinematic sperm subpopulations in split ejaculates of normozoospermic men. <i>Asian Journal of Andrology</i> , 2016, 18, 831.	1.6	12
82	Computer-assisted sperm morphometry fluorescence-based analysis has potential to determine progeny sex. <i>Asian Journal of Andrology</i> , 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. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2000, 29, 149-155.	0.7	11
84	Relationship between fertility and the walking activity of cows at oestrus. <i>Veterinary Record</i> , 2003, 152, 239-240.	0.3	11
85	Anomalous Pregnancies during Late Embryonic/Early Foetal Period in High Producing Dairy Cows. <i>Reproduction in Domestic Animals</i> , 2009, 44, 672-676.	1.4	11
86	Tris buffer improves fluorescence yield of ram spermatozoa when evaluating membrane integrity. <i>Microscopy Research and Technique</i> , 2012, 75, 520-523.	2.2	11
87	Effect of chamber characteristics, incubation, and diluent on motility of honey bee ( <i>Apis mellifera</i> ) drone sperm. <i>Apidologie</i> , 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. <i>Reproduction in Domestic Animals</i> , 2013, 48, 1019-1024.	1.4	10
89	Revisiting Cattle Temperament in Beef Cow-Calf Systems: Insights from Farmers' Perceptions about an Autochthonous Breed. <i>Animals</i> , 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. <i>Theriogenology</i> , 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 STUDENT'S APPROACH TO LEARNING AT UNIVERSITY DEGREES. <i>EDULEARN Proceedings</i> , 2022, , .	0.0	0