

Communication

Scientometrics Approach to Research in Ovine Mastitis from 1970 to 2019 (with a Complete List of Relevant Literature References)

Daphne T. Lianou and George C. Fthenakis

Table S1. Details of 580 papers published from 1970 until 2019 on ovine mastitis and listed in the Web of Science platform

No.	Title of article	Year of publication	Journal in which published	First author	No. of authors	Last author	Country(ies) of origin	Establishment(s) of origin	Article type	Study type	Mastitis aspect covered	Production type referred to		
1	Experimental ovine mastitis - A pathologic study	1970	Vet Pathol	E-Etelsby	2	Abdel-Hamid	EGY	U Assiut	Original	Experimental	Pathogenesis	Dairy		
2	Experimental production of mastitis in sheep by <i>Mycobacterium smegmatis</i> and <i>Mycobacterium fortuitum</i>	1971	Cornell Vet	Richardson	1		USA	U Cornell	Original	Experimental	Pathogenesis	Meat		
3	Mastitis produced experimentally in sheep with ovine abortion <i>Chlamydia</i>	1972	Zblatt Vetmed B	Papadopoulos	2	Leontides	GRE	Aristotle U Thessaloniki	Original	Experimental	Pathogenesis	Dairy		
4	<i>Bacillus cereus</i> as a cause of bovine mastitis 1. Occurrence of a case of mastitis and studies on its infectivity for sheep and cow	1973	Zblatt Vetmed B	Merk	2	Burrow	FRG	U Berlin	Original	Experimental	Pathogenesis	Meat		
5	Observation of a spontaneous case of fatal ovine mastitis due to <i>Klebsiella pneumoniae</i>	1977	Zblatt Vetmed B	Mandal	3	Ahuja	IND	U Punjab	Original	Field	Aetiology	Dairy		
6	Mastitis in cows, goats and sheep	1978	Norsk Vetmed	Mosdal	1		NOR	U Oslo	Original	Field	Aetiology	Meat		
7	Incidence and importance of subclinical mastitis in sheep	1978	J Anim Sci	Gross	4	Torell	USA	U California Davis	Original	Field	Aetiology	Meat		
8	Genetic and environmental effects on milk production, milk composition and mastitis incidence in crossbred ewes	1979	J Anim Sci	Torres-Hernandez	2	Hohenboken	USA	U Oregon	Original	Field	Risk factors	Dairy		
9	Mastitis and other abnormalities as related to neonatal lamb mortality in shed-lambled range ewes	1980	J Anim Sci	Kirk	3	Anderson	USA	U Idaho	Original	Field	Effects	Meat		
10	Prevention of post weaning mastitis in ewes	1981	Vet Rec	Hendy	4	Davies	GBR	Glaxo	Original	Field	Control	Meat		
11	Immunization against experimental staph. Mastitis - Effect of challenge with a heterologous strain of <i>Staphylococcus aureus</i>	1981	Aus Vet J	Watson	2	Kennedy	AUS	U James Cook	CSIRO	Original	Experimental	Control	Meat	
12	Effect of immunization of early influx of neutrophils during staphylococcal mastitis in sheep	1982	Res Vet Sci	Colditz	2	Watson	AUS	U Queensland	CSIRO	Original	Experimental	Control	Meat	
13	The role of humoral and cellular mediators in enhanced mammary inflammatory reactions to staphylococcal infection in systemically immunised ewes	1982	Microbiol Immunol	Colditz	2	Watson	AUS	U Queensland	CSIRO	Original	Experimental	Control	Meat	
14	Mastitis in sheep in the Netherlands	1983	Tijd Diergk	Koing	3	Gelling	NED	Vakgroep Bedrijfsdiergeneeskunde & Buitensprak	Original	Field	Aetiology	Meat		
15	Ovine mastitis due to <i>Histophilus ovis</i>	1983	Can Vet J	Beaugrand	2	Higgins	CDN	U Montreal	Original	Field	Aetiology	Meat		
16	Modern aspects of sheep mastitis	1984	Br Vet J	Watson	2	Buswell	GBR	Beecham Animal Health	Review					
17	Mastitis in sheep in Iraq	1985	Vet Rec	Al-Samarrae	3	Yousif	IRQ	IND	U Baghdad	U Haryana	Original	Field	Aetiology	Dairy
18	Immunophysiological activity of supra-mammary lymph nodes of the ewe	1985	Res Vet Sci	Watson	2	Davies	AUS	U New England	CSIRO	Original	Experimental	Pathogenesis	Meat	
19	Pathology of acute experimental of <i>Actinobacillus seminis</i> mastitis	1985	Aus Vet J	Ahnesoy	2	Dennis	USA	U Kansas	Original	Experimental	Pathogenesis	Meat		
20	Mastitis and cell content milk in milk from Scottish blackface ewes	1986	Vet Rec	Mackie	2	Rodgers	GBR	Veterinary Research Laboratory Northern Ireland	Original	Field	Diagnosis	Meat		
21	Patterns of non-clinical intramammary infection in a ewe flock	1986	J Am Vet Med Assoc	Hausdon	3	Judy	USA	U Ohio State	Original	Field	Aetiology	Meat		
22	Detection of ovine intramammary infection	1986	J Am Vet Med Assoc	Hausdon	3	Judy	USA	U Ohio State	Original	Field	Diagnosis	Meat		
23	Diseases of sheep and goats: mastitis	1987	Wiener Tierarz Monats	Sascholer	3	Kessler	AUT	U Vienna	Review					
24	Iatrogenic mastitis in sheep	1987	Tijd Diergk	Roumen	3	Gruys	NED	Gezondheidsinst Dieren	Original	Field	Pathogenesis	Meat		
25	Detection of subclinical mastitis in ewes	1987	Br Vet J	Maisi	3	Seppanen	FIN	U Helsinki	Original	Field	Diagnosis	Meat		
26	Protective effect of glucan against experimentally induced staphylococcal mastitis in ewes	1988	Vet Microbiol	Buddle	3	Raldson	NZL	Ministry of Agriculture New Zealand	Original	Experimental	Control	Meat		
27	Vaccination against experimental mastitis	1988	Res Vet Sci	Watson	1		AUS	CSIRO	Original	Experimental	Control	Meat		
28	Incidence and control of subclinical mastitis in intensively managed ewes	1988	J Anim Sci	McCarthy	4	Notter	USA	U Virginia Polytechnic	Original	Field	Epidemiology	Meat		
29	Non-clinical intramammary infection in lactating ewes and its association with clinical mastitis	1989	Br Vet J	Bor	3	Goetwine	ISR	Agri Research Organisation Israel	Original	Field	Epidemiology	Dairy		
30	Intramammary antibiotic treatment at the end of lactation for prophylaxis and treatment of intramammary infections in ewes	1989	J Am Vet Med Assoc	Hausdon	3	Baertsche	USA	U Ohio State	Original	Field	Control	Meat		
31	Investigations on cell counts of milk and distribution of bacterial mastitis in lower Austrian sheep and goat flocks	1990	Wiener Tierarz Monats	Deutz	4	Baumgartner	AUT	U Vienna	Original	Field	Epidemiology	Dairy		
32	Incidence of staphylococci in ovine mastitic milk and antibiotic susceptibility of the strains	1990	MilchWissenschaft	Gutierrez	5	Moveno	FRA	U Leon	Original	Field	Epidemiology	Treatment	Dairy	
33	The effect of experimentally induced subclinical mastitis on milk yield of ewes and on the growth of lambs	1990	Br Vet J	Fthenakis	2	Jones	GBR	U London	Original	Experimental	Effects	Meat		
34	Survey of intramammary infections in ewes on the New England Tableland of New South Wales	1990	Aus Vet J	Watson	5	Frost	AUS	U Queensland	CSIRO	Original	Field	Epidemiology	Meat	
35	Acute mastitis in sheep	1990	Prakt Tierarz	Boisclit	1		FRG	U Gießen	Original	Field	Epidemiology	Meat		
36	Milk whey induction of agglutination in ovine and bovine mastitis <i>Staphylococcus aureus</i>	1990	Zblatt Vetmed B	Baselga	2	Amoena	ESP	U Zaragoza	Original	Laboratory	Aetiology	Dairy		
37	The influence of different factors on milk composition and production of the ewes of the Tsigai breed within the milking period	1991	Zvejskica Vyroba	Margetin	4	Capistak	CZE	Research Institute Sheep Breeding Coochla	Original	Field	Effects	Dairy		
38	Somatic cell counts and CMT results in milk sheep with normal udder health during a complete lactation period	1991	Schweizer Arch Tierarz	Regli	5	Rusch	SWI	U Zurich	Swiss Federal Institute of Technology	Original	Field	Diagnosis	Dairy	
39	Suitability of lactate dehydrogenase activity and somatic cell counts of milk for detection of subclinical mastitis in Morino ewes	1991	Acta Vet Hung	Nizamioglu	2	Erganis	TUR	U Selduk	Original	Laboratory	Diagnosis	Dairy		
40	Infection of rabbit mammary glands with ovine mastitis bacterial strains	1991	J Comp Pathol	Amoena	10	Faris	ESP	SIA DGA-Zaragoza	U Uppsala	Original	Laboratory	Pathogenesis	Dairy	
41	Variation in somatic cell counts, California Mastitis Test and electrical conductivity among various fractions of ewes milk	1991	J Dairy Sci	Peris	5	Torres	ESP	U Valencia	Original	Laboratory	Diagnosis	Dairy		
42	A field investigation of subclinical mastitis in sheep	1991	Br Vet J	Waikins	3	Jones	GBR	U London	Original	Field	Epidemiology	Meat		
43	The experimental production of mastitis in sheep by intramammary inoculation of <i>Pasteurella haemolytica</i>	1991	J Comp Pathol	El-Masarnat	3	Scott	GBR	U London	Original	Experimental	Pathogenesis	Meat		
44	Somatic cell counts of ewes milk	1991	Br Vet J	Fthenakis	4	Jones	GBR	U London	Original	Laboratory	Diagnosis	Meat		
45	An efficient microtest to study adherence of bacteria to mammalian cells	1992	FEMS Microbiol Lett	Aguilar	4	Amoena	ESP	SIA DGA-Zaragoza	Original	Laboratory	Pathogenesis	Dairy		
46	Enterotoxin and toxic shock syndrome toxin-one production by staphylococci isolated from mastitis in sheep	1992	AFMS	Oxden	6	Delafoente	ESP	U Madrid	Original	Laboratory	Aetiology	Dairy		
47	Production of staphylococcal enterotoxin and TSST-1 by coagulase-negative staphylococci isolated from ruminant mastitis	1992	Zblatt Vetmed B	Oxden	6	Gomez-Lucia	ESP	U Madrid	Original	Laboratory	Aetiology	Dairy		
48	Influence of the lactation period on the cell count of milk samples of ewes	1992	Deut Tierarz Wochen	Baumgartner	3	Eibl	AUS	U Vienna	Original	Field	Diagnosis	Dairy		
49	Nucleotide sequences and biologic properties of toxic shock syndrome from ovine-associated and bovine-associated <i>Staphylococcus aureus</i>	1992	J Infect Dis	Lee	9	Schlervet	USA	U Minnesota	Original	Laboratory	Aetiology	Meat		
50	Detection of enterotoxin and TSST-1 secreted by <i>Staphylococcus aureus</i> isolated from ruminant mastitis - Comparison of ELISA and immunoblot	1992	J Appl Bacteriol	Oxden	6	Gomez-Lucia	ESP	U Madrid	Original	Laboratory	Aetiology	Dairy		
51	Subclinical mastitis in ewes and its effect on lamb performance	1992	J Anim Sci	Keisler	3	Moffatt	USA	U Missouri	Original	Field	Effects	Meat		
52	Number and evaluation of somatic cells in the milk of goats and sheep	1992	Archiv Lebensmittelhygiene	Hahn	6	Hooschen	GER	Institute of Hygiene Germany	Original	Field	Diagnosis	Dairy		
53	The descriptive epidemiology of udder lesions in Northern Iraqi ewes	1992	Prev Vet Med	Sulaiman	2	Alsaadi	IRQ	U Mosul	Original	Field	Epidemiology	Dairy		
54	Hydrophobicity of ruminant mastitis <i>Staphylococcus aureus</i>	1992	Curr Microbiol	Baselga	6	Amoena	ESP	SIA DGA-Zaragoza	Original	Laboratory	Aetiology	Dairy		
55	Use of the Fosomatic method to determine somatic cell counts	1993	J Dairy Sci	Gonzalo	4	San Primitivo	ESP	U Leon	Original	Field	Diagnosis	Dairy		
56	Experimental intramammary infection of ewes with <i>Staphylococcus aureus</i> subsp. <i>anaerobius</i>	1993	Res Vet Sci	Delafoente	5	Suaez	ESP	U Madrid	Original	Experimental	Pathogenesis	Dairy		
57	Role of an intramammary device protection against experimentally induced staphylococcal mastitis in ewes	1993	Am J Vet Res	Petados	6	Amoena	ESP	SIA DGA-Zaragoza	Original	Experimental	Control	Dairy		
58	Differentiation of staphylococci from ewe and goat milk samples	1993	Deut Tierarz Wochen	Deitshofer	2	Pernhaner	AUT	U Vienna	Original	Field	Aetiology	Dairy		
59	Phase variation of slime production in <i>Staphylococcus aureus</i> - implications in colonisation and virulence	1993	Infect Immun	Baselga	6	Amoena	ESP	SIA DGA-Zaragoza	Original	Experimental	Aetiology	Pathogenesis	Dairy	
60	Adherence of ruminant mastitis <i>Staph aureus</i> strains to epithelial cells from ovine mammary gland primary cultures and from a rat intestinal cell line	1993	Vet Microbiol	Hurtado	4	Amoena	ESP	U Zaragoza	SIA DGA Zaragoza	Original	Laboratory	Pathogenesis	Dairy	
61	Genetic and environmental causes of variation in mastitis in sheep	1993	Small Rumin Res	Laragud	2	Vabnace	NOR	Agricultural U Norway	Original	Field	Risk factors	Meat		
62	Immunobiological and biochemical properties of mutants	1994	J Immunol	Murray	9	Schlervet	USA	U Minnesota	Original	Laboratory	Aetiology	Dairy		
63	Some properties of coagulase negative staphylococci isolated from cases of ovine mastitis	1994	Epidemiol Infect	Fthenakis	4	Jones	GBR	U London	Original	Laboratory	Aetiology	Meat		
64	Use of liposome immunopotentialized exopolysaccharide as a component of an ovine mastitis staphylococcal vaccine	1994	Vaccine	Amoena	3	Albizu	ESP	SIA DGA-Zaragoza	Original	Experimental	Control	Dairy		

65	Prevalence and aetiology of subclinical mastitis in ewes of Southern Greece	1994	Small Rumin Res	Fthenakis	1		GRE	Lapapharm		Original	Field	Epidemiology		Dairy
66	Factors influencing variation of test day milk yield, somatic cell count, fat and protein in dairy sheep	1994	J Dairy Sci	Gonzalo	4	Primitivo	ESP	U Leon		Original	Field	Diagnosis	Effects	Dairy
67	Etiology and prevalence of subclinical mastitis in the Manchuga sheep at mid-late lactation	1994	Small Rumin Res	Delacruz	8		ESP	SIA DGA-Zaragoza		Original	Field	Aetiology	Epidemiology	Dairy
68	Genetic parameters of test day measures for somatic cell counts, milk yield and protein percentage of milking ewes	1994	J Dairy Sci	Bano	3	Sarapinitivo	ESP	U Leon	U Edinburgh	Original	Field	Effects	Diagnosis	Dairy
69	Milk losses caused by chronic mastitis	1995	Wiener Tierarzts Monat	Dautz	4	Fuchs	AUT	U Vienna		Original	Field	Effects		Dairy
70	Effect of variable traction on the teatcup during machine milking of ewes with or without hand stripping	1995	Animal Zoot	Paris	5	Rodriguez	ESP	U Valencia		Original	Field	Pathogenesis	Effects	Dairy
71	Examination of systems that exert traction on the teatcup and reduce teat bending in machine-milking of ewes	1995	Animal Zoot	Paris	5	Torres	ESP	U Valencia		Original	Field	Pathogenesis	Effects	Dairy
72	California mastitis test and Whitehead test in diagnosis of subclinical mastitis of dairy ewes	1995	Small Rumin Res	Fthenakis	1		GRE	Greek Army Centre Biological Research Greece		Original	Field	Diagnosis		Dairy
73	Variation in somatic cell counts in ewes milk during lactation	1995	Zivociena Vyroba	Marjetin	5	Folys	SLK	Research Institute in Animal Production Slovakia		Original	Field	Diagnosis		Dairy
74	Use of somatic cell counts for the detection of subclinical mastitis in sheep	1995	Small Rumin Res	Mavroginis	4	Taliois	CYP	Agricultural Research Institute Cyprus	Ministry of Agriculture Cyprus	Original	Field	Diagnosis		Dairy
75	Frequency of subclinical mastitis and observations on somatic cell counts in ewes milk in Northern Greece	1995	Anim Sci	Stefanakis	4	Samariz	GRE	Aristotle U Thessaloniki		Original	Field	Epidemiology	Diagnosis	Dairy
76	The distribution of <i>Pasteurella haemolytica</i> serotypes among cattle, sheep, and goats in South Africa and their association with disease	1995	Onderstepoort Vet Res	Ondandaal	2	Henton	ZAR	Onderstepoort Veterinary Institute South Africa		Original	Laboratory	Aetiology		Meat
77	Relationship between somatic cell count and intramammary infection of the half udder in dairy ewes	1995	J Dairy Sci	Gonzalez-Rodriguez	4	Carmenes	ESP	U Leon		Original	Field	Diagnosis		Dairy
78	Coagulase negative staphylococci as a pathogen of subclinical and clinical mastitis in three flocks of milk sheep	1996	Tierarzt Umsich	Winter	2	Holer	AUT	U Vienna	Disease Institute Austria	Original	Field	Aetiology		Meat
79	Somatic cell counts in milk of Welsh Mountain, Dorset-Horn and Chios ewes throughout lactation	1996	Small Rumin Res	Fthenakis	1		GRE	Lapapharm		Original	Field	Diagnosis		Dairy
80	Mastitis in ewes	1996	Comp Cont Edu Pract Vet	Kirk	1		USA	U California Davis	U Auburn	Review				
81	Total and differential cell count in milk of primiparous Comisana ewes without clinical signs of mastitis	1996	Small Rumin Res	Morgante	5	Duranti	ITA	Inst Semiotica Medica e Metodologia Clinica Veterinaria	Istituto di Zootecnica Generale	Original	Field	Diagnosis		Dairy
82	Evaluation of the California mastitis test as a discriminant method to detect subclinical mastitis in ewes	1996	Small Rumin Res	Gonzalez-Rodriguez	2	Carmenes	ESP	U Leon		Original	Field	Diagnosis		Dairy
83	Resistance to antibiotics in <i>Staphylococcus aureus</i> at ewe mastitis, in sheep milk and its products	1996	Veterinarni Medicina	Simko	2	Bartko	CZE	U Kosice	Ministry of Agriculture Slovakia	Original	Laboratory	Treatment		Dairy
84	Cytokine induced inflammation in the ovine teat and udder	1996	Vet Immunol Immunopathol	Pensson	5	Scow	SWE	U Uppsala	CSIRO	Original	Experimental	Pathogenesis		Meat
85	Mastitis in a flock of milking sheep	1996	Small Rumin Res	Kirk	3	Maas	USA	U Auburn	U California Davis	Original	Field	Aetiology	Epidemiology	Dairy
86	Total and differential cell count by direct microscopic method on ewe milk	1996	J Vet Med A	Morgante	4	Bighelli	ITA	U Perugia		Original	Laboratory	Diagnosis		Dairy
87	Subclinical mastitis in sheep	1996	Ind Vet J	Rao	3	Sreenamaryana	IND	Veterinary Polytechnic		Original	Field	Aetiology	Epidemiology	Dairy
88	Somatic cells in sheep milk in relation to milk production and composition during suckling and milking	1996	Zivociena Vyroba	Marjetin	4	Folys	SLK	Vyskumny Ustav Zivocinnej Vyroby		Original	Field	Effects		Dairy
89	Accumulation of leucocytes and cytokines in the lactating ovine udder during mastitis due to <i>Staphylococcus aureus</i> and <i>Escherichia coli</i>	1997	Res Vet Sci	Pearson-Walker	3	Scow	SWE	U Uppsala	CSIRO	Original	Experimental	Pathogenesis		Meat
90	Experimental studies on <i>Pasteurella</i> mastitis in ewes	1997	Largo Anim Pract	Al-Ani	3	Karim	JOD	Jordan U Science Technology	U Baghdad	Original	Experimental	Pathogenesis		Dairy
91	Evaluation of the Staph-Zym system in the identification of <i>Staphylococci</i>	1997	J Basic Microbiol	Burriel	2	Scott	GBR	U London		Original	Laboratory	Aetiology		Meat
92	Leukocyte and cytokine accumulation in the ovine teat and udder during endotoxin-induced inflammation	1997	Vet Res Comm	Walker	4	Scow	SWE	U Uppsala	CSIRO	Original	Experimental	Pathogenesis		Meat
93	Udder ort infection and its role in ovine clinical mastitis caused by <i>Pasteurella haemolytica</i>	1997	J Trace Elem Med Biol	Burriel	1		GBR	U London		Original	Field	Risk factors		Meat
94	Dynamics of intramammary infection in the sheep caused by coagulase-negative staphylococci and its influence on udder tissue and milk composition	1997	Vet Rec	Burriel	1		GBR	U London		Original	Field	Pathogenesis		Meat
95	Milk differential cell counts in relation to total counts in Sardinian ewes	1997	Small Rumin Res	Cuccuru	6	Coentis	ITA	U Sassari		Original	Field	Diagnosis		Dairy
96	Serological diagnosis of bovine, caprine and ovine mastitis caused by <i>Listeria monocytogenes</i> by using an enzyme-linked immunosorbent assay	1997	J Clin Microbiol	Bourry	3	Pourel	FRA	INRA		Original	Laboratory	Diagnosis		Dairy
97	Comparison of different machine milking clusters on dairy ewes with large size teats	1997	Animal Zoot	Fernandez	7	Torres	ESP	U Valencia		Original	Experimental	Risk factors		Dairy
98	Resistance of coagulase negative staphylococci isolated from sheep to various antimicrobial agents	1997	Res Vet Sci	Burriel	1		GBR	U London		Original	Laboratory	Treatment		Meat
99	Leukotoxic factors produced by staphylococci of ovine origin	1997	Microbiol Res	Burriel	2	Dagnall	GBR	U London		Original	Laboratory	Treatment		Meat
100	<i>Corynebacterium mastitidis</i> sp. nov., isolated from milk of sheep with subclinical mastitis	1997	Int J Syst Bacteriol	Fernandez-Garayzabal	7	Dominguez	ESP	U Madrid		Original	Field	Aetiology		Dairy
101	Pharmacokinetics and penetration of danofloxacin from the blood into the milk of ewes	1997	Vet Res	Shem-Tov	4	Saran	ISR	Ministry of Agriculture Israel		Original	Laboratory	Treatment		Dairy
102	Isolation of <i>Pasteurella haemolytica</i> from grass, drinking water and straw bedding	1997	Curr Microbiol	Burriel	1		GBR	U London		Original	Field	Aetiology		Meat
103	Electron microscopic study of milk sediments - Qualitative and quantitative observations	1997	AFMS	Burriel	2	Brendle	GBR	U London		Original	Laboratory	Pathogenesis		Meat
104	Pharmacokinetics and penetration of marbofloxacin from blood into the milk of ewes and ewes	1997	J Vet Med A	Shem-Tov	4	Saran	ISR	Ministry of Agriculture Israel		Original	Laboratory	Treatment		Dairy
105	Serum and milk iron levels during sheep intramammary infection caused by coagulase-negative staphylococci	1997	Biolog Trace Elem Res	Burriel	2	Heys	GBR	U London		Original	Field	Risk factors		Meat
106	In vitro presence of capsular polysaccharide in coagulase-negative staphylococci of ovine origin	1997	Microbiologica	Burriel	1		GBR	U London		Original	Laboratory	Aetiology		Meat
107	Epidemiological studies of clinical and subclinical ovine mastitis in Awassi sheep in northern Jordan	1998	Prev Vet Med	Lafi	4	Alawah	JOD	Jordan U Science Technology		Original	Field	Epidemiology	Aetiology	Dairy
108	The effects of inoculation of <i>Listeria monocytogenes</i> into the ovine mammary gland	1998	Vet Microbiol	Tzora	3	Linde	GRE	TEI Epirus	U Leipzig	Original	Experimental	Pathogenesis		Dairy
109	Histopathological and ultrastructural observation of ovine mammary glands experimentally inoculated with coagulase-negative staphylococci	1998	Zblatt Vetmed B	Burriel	1		GBR	U London		Original	Laboratory	Pathogenesis		Meat
110	Isolation of coagulase-negative staphylococci from the milk and environment of sheep	1998	J Dairy Res	Burriel	1		GBR	U London		Original	Field	Aetiology	Pathogenesis	Meat
111	A comparison of methods used in species identification of coagulase negative staphylococci isolated from the milk of sheep	1998	Vet J	Burriel	2	Scott	GBR	U London		Original	Laboratory	Aetiology		Meat
112	Bovine and ovine mastitis in Dhuleil Valley of Jordan	1998	Veterinar Arhiv	Lafi	2	Hallat	JOD	Jordan U Science Technology		Original	Field	Aetiology	Epidemiology	Dairy
113	Susceptibility to antibiotics of staphylococcal isolates from cases of ovine or bovine mastitis	1998	Small Rumin Res	Fthenakis	1		GRE	Lapapharm		Original	Laboratory	Treatment		Dairy
114	<i>Corynebacterium campanulensis</i> associated with subclinical mastitis in sheep	1998	Int J Syst Bacteriol	Fernandez-Garayzabal	6	Dominguez	ESP	U Madrid		Original	Laboratory	Aetiology		Dairy
115	Exposition of surface antigens of blood and mammary leukocytes in lactating and dry ewes	1998	Vet Immunol Immunopathol	Pearson-Walker	2	Codditz	SWE	U Uppsala	CSIRO	Original	Laboratory	Pathogenesis		Meat
116	The carriage of <i>Pasteurella haemolytica</i> in sheep and its transfer between ewes and lambs	1998	J Comp Pathol	Scott	2	Jones	GBR	U London		Original	Field	Aetiology	Pathogenesis	Meat
117	Mastitis in dairy ewes associated with <i>Serratia marcescens</i>	1998	Small Rumin Res	Tzora	2	Fthenakis	GRE	TEI Epirus	Lapapharm	Original	Field	Aetiology		Dairy
118	Effects of long-term recombinant bovine somatotropin (BST) administration on milk yield, milk composition and mammary gland health of dairy ewes	1998	Small Rumin Res	Brosos	5	Tsakolof	GRE	Aristotle U Thessaloniki		Original	Field	Risk factors		Dairy
119	Classification of the clinical types of udder disease affecting nursing ewes	1998	Small Rumin Res	Calavas	4	Sulpicio	FRA	Centre Ecopathologie Animale		Original	Field	Epidemiology		Dairy
120	Mammary and systemic aspergillosis in dairy sheep	1998	Vet Pathol	Perez	5	Jensen	ESP	U Leon	U Copenhagen	Original	Field	Aetiology		Dairy
121	Detection of <i>Staphylococcus aureus</i> in milk by use of polymerase chain reaction analysis	1998	Am J Vet Res	Khan	8	Back	USA	U Illinois		Original	Laboratory	Aetiology		Meat
122	Milk composition, somatic cell count, clinical and bacteriological investigation	1998	Prakt Tierarz	Wittko	3	Beck	GER	U Leipzig		Original	Field	Aetiology	Diagnosis	Dairy
123	Use of benzothiazolone dihydrochloride for control of ovine mastitis	1998	Ind Vet J	Shelkh	2	Wilayat	IND	U Kashmir		Original	Field	Treatment		Dairy
124	<i>Streptococcus paraangitans</i> : new pathogen associated with asymptomatic mastitis in sheep	1998	Emerg Inf Dis	Fernandez-Garayzabal	6	Dominguez	ESP	U Madrid		Original	Laboratory	Aetiology		Meat
125	Heritability of test day somatic cell counts and its relationship with milk yield and protein percentage in dairy ewes	1998	J Dairy Sci	El-Saied	3	San Primitivo	ESP	EGY	U Cairo	Original	Field	Risk factors	Diagnosis	Dairy
126	Naturally occurring subclinical ovine mastitis associated with <i>Listeria monocytogenes</i>	1998	Small Rumin Res	Fthenakis	4	Linde	GRE	GER	U Leipzig	Original	Field	Aetiology		Dairy
127	Incidence risk and aetiology of mammary abnormalities in dry ewes in 10 flocks in Southern Greece	1998	Prev Vet Med	Sarantis	5	Fthenakis	GRE	Aristotle U Thessaloniki	U Thessaly	Original	Field	Aetiology	Epidemiology	Dairy
128	The influence of ewe intramammary infection caused by coagulase negative staphylococci on the milk constituents total protein, albumin, potassium and sodium	1998	Anim Sci	Burriel	2	Wagstaff	GBR	U London		Original	Field	Effects		Meat
129	Adhesion of coagulase positive and coagulase negative staphylococci	1999	Small Rumin Res	Burriel	1		GBR	U London		Original	Laboratory	Pathogenesis		Meat
130	Prevalence and aetiology of subclinical mastitis in the Madrid region	1999	Small Rumin Res	Las Heras	3	Fernandez-Garayzabal	ESP	U Madrid		Original	Field	Aetiology	Epidemiology	Dairy
131	Genetic parameters of lactation cell counts and milk and protein yield in dairy ewes	1999	J Dairy Sci	El-Saied	4	San Primitivo	ESP	EGY	U Cairo	Original	Field	Risk factors		Dairy

132	Effect of administration of vitamin E and selenium during the dry period	1999	J Dairy Sci	Morgante	6	Ranacci	ITL	Inst Sperimentale Medica e Metodologia Clinica Veterinaria		New England	Original	Field	Control		Dairy
133	The intramammary inflammatory response of genetically resistant Merino ewes infected with <i>Haemonchus contortus</i>	1999	Int J Parasitol	Thamsborg	5	Lea	DEN	ALS	U Copenhagen		Original	Experimental	Pathogenesis		Meat
134	The effect of experimentally induced subclinical mastitis on the milk yield of dairy ewes	1999	Small Rumin Res	Sarantis	4	Fihnakis	GRE		Aristotele U Thessaloniki		Original	Field	Effects		Dairy
135	The effect of experimental infectious mastitis on leukocyte subpopulations and cytokine production in non-lactating ewes	1999	Zhivt Vetrmed B	Persson-Walker	2	Colditz	SWE	ALS	U Uppsala		Original	Experimental	Pathogenesis		Meat
136	Resistance patterns of ovine mastitis pathogens	1999	Bell Manch Trazart Wechs	Winter	3	Baumgartner	AUT		U Vienna		Original	Laboratory	Treatment		Meat
137	Effect of intramammary infusion of beta-1,3-glucan or interleukin-2 on leukocyte subpopulations in mammary glands of sheep	1999	Am J Vet Res	Walker	2	Colditz	SWE	ALS	U Uppsala		Original	Experimental	Pathogenesis		Meat
138	Outbreak of acute ovine mastitis associated with <i>Pseudomonas aeruginosa</i> infection	1999	Vet Rec	Las Heras	4	Fernandez-Garayzabal	ESP		U Madrid		Original	Field	Aetiology		Dairy
139	Effect of stocking density on ewes milk yield, udder health and microenvironment	1999	J Dairy Res	Sevi	5	Muscio	ITL		U Foggia		Original	Field	Risk factors		Dairy
140	Somatic cell counts determined by the Coulter or Fossomatic counter and their relationship to administration of oxytocin	2000	Small Rumin Res	Burriel	1		GBR		U London		Original	Laboratory	Diagnosis		Meat
141	Extensive fibrinous pleurisy associated with <i>Streptococcus dysgalactiae</i>	2000	Vet Rec	Scott	1		GBR		U Edinburgh		Original	Field	Effects		Meat
142	The effect of tiludoxin administered to ewes prior to lambing on incidence of clinical mastitis	2000	Can Vet J	Croft	6	Dick	CDN		U Guelph		Original	Field	Control		Meat
143	Effects of parity on milk yield composition, somatic cell count, udder parameters and bacteria counts of Comisana ewes	2000	Small Rumin Res	Sevi	5	Annicchiarico	ITL		U Foggia		Original	Field	Epidemiology		Dairy
144	Intramammary <i>Aspergillus fumigatus</i> infection in dairy ewes associated with antibiotic dry therapy	2000	Vet Rec	Las Heras	8	Fernandez-Garayzabal	ESP		U Madrid		Original	Field	Risk factors		Dairy
145	Field evaluation of flunixin meglumine in the supportive treatment of ovine mastitis	2000	J Vet Pharmacol Ther	Fihnakis	1		GRE		U Thessaly		Original	Field	Treatment		Dairy
146	Quality of ewe milk as affected by stocking density and litter treatment with bentonite	2000	Int J Food Sci	Sevi	6	Dell'Aquila	ITL		U Foggia		Original	Field	Epidemiology		Dairy
147	Antimicrobial susceptibility of corynebacteria isolated from ewe's mastitis	2001	Int J Antimicrob Ag	Fernandez	6	Mosono	ESP		U Madrid		Original	Laboratory	Treatment		Dairy
148	Lack of association between retention of fetal membranes and mastitis in ewes	2001	Vet Rec	Leventides	3	Tzota	GRE		U Thessaly		Original	Field	Epidemiology		Dairy
149	Effect of slime on adherence of <i>Staphylococcus aureus</i> isolated from bovine and ovine mastitis	2001	Vet Microbiol	Aguilar	3	Burried	ISR		U Zaragoza		Original	Laboratory	Aetiology	Pathogenesis	Dairy
150	Udder disease etiology, milk somatic cell counts and NAGase activity in Israeli Assaf sheep throughout lactation	2001	Small Rumin Res	Leitner	8	Saran	ISR		Ministry of Agriculture Israel		Original	Field	Aetiology	Diagnosis	Dairy
151	The role of coagulase negative <i>Staphylococcus</i> spp and associated somatic cell counts	2001	J Dairy Sci	Pengow	1	SLV	SVK		U Ljubljana		Original	Field	Aetiology	Diagnosis	Dairy
152	Outbreak of subclinical mastitis in a flock of dairy sheep associated with <i>Burkholderia cepacia</i> complex infection	2001	J Clin Microbiol	Berraha	8	Govan	ESP	GBR	NIKER		Original	Field	Aetiology		Dairy
153	Mastitis in ewes	2001	In Pract	Winter	1		GBR		U Liverpool		Review				
154	Relationships among somatic cell count, California mastitis test, impedance and bacteriological status of milk in goats and sheep in early lactation	2001	Small Rumin Res	McDougal	6	Stratton	NZL	USA	Animal Health Centre		Original	Field	Aetiology	Diagnosis	Meat
155	Mastitis of sheep and goats	2001	Vet Clin NA Food Anim Pract	Meneses	2	Ramanooom	CDN		U Guelph		Review				
156	Relationship between mammary gland infection and milk immune parameters in Sardinian breed ewes	2001	Small Rumin Res	Moroni	2	Cacurri	ITL		U Milan		Original	Field	Pathogenesis	Diagnosis	Dairy
157	Genetic analysis for mastitis resistance and milk somatic cell score in French Lacune dairy sheep	2001	Gen Sel Evol	Bartillet	5	Jacquin	FRA		INRA		Original	Field	Risk factors		Dairy
158	Binding of a surface protein of <i>Staphylococcus aureus</i> to cultured ovine mammary gland epithelial cells	2001	Vet Microbiol	Aguilar	2	Burried	ESP		U Zaragoza		Original	Experimental	Pathogenesis		Dairy
159	Airspace effects on the yield and quality of ewe milk	2001	J Dairy Sci	Sevi	5	Muscio	ITL		U Foggia		Original	Field	Risk factors		Dairy
160	Udder health status of dairy flocks during one lactation period with special regards to infections caused by coagulase-negative staphylococci	2002	Wiener Tierarz Monats	Winter	3	Baumgartner	AUT		U Vienna		Original	Field	Aetiology		Meat
161	Physiological range of milk contents and somatic cell count in milk of ewes with special regard to uua	2002	Tierarz Prax Aus Gross Nutz	Flock	5	Baumgartner	AUT		U Vienna		Original	Field	Diagnosis		Dairy
162	The effect of stage of lactation on milk quantity and number of somatic cells in sheep milk	2002	MilchWissensch	Antonac	5	Samarzija	CRO		U Zagreb		Original	Field	Risk factors		Dairy
163	Prevalence and etiology of subclinical mastitis in intensively managed flocks and related changes in the yield and quality of ewe milk	2002	Small Rumin Res	Albenzio	4	Sevi	ITL		U Foggia		Original	Field	Aetiology	Risk factors	Dairy
164	Unusual outbreak of clinical mastitis in dairy sheep caused by <i>Streptococcus equi</i> subsp <i>zooepidemicus</i>	2002	J Clin Microbiol	Las Heras	6	Fernandez-Garayzabal	ESP		U Madrid		Original	Field	Aetiology		Dairy
165	Effect of infectious status and parity on somatic cell count and California mastitis test in pamponta dairy ewes	2002	J Vet Med B	Suarez	6	Canavesio	ARG		Inst Nacional Tecnológico Agropecuaria		Original	Field	Diagnosis		Meat
166	Mammary pathogens and their relationship to somatic cell count	2002	J Dairy Sci	Gonzalo	4	San Primitivo	ESP		U Leon		Original	Field	Aetiology	Diagnosis	Dairy
167	Microbiological quantity and somatic cell count of ewe milk with special reference	2002	J Dairy Sci	Ariznabarrena	3	Carrido	ESP		U Leon		Original	Field	Aetiology		Dairy
168	Production and novel quantification of haemolysis produced by coagulase-negative staphylococci isolated from subclinical mastitis in sheep	2002	Microbiologica	Kanellos	2	Burriel	GBR		U London		Original	Laboratory	Aetiology		Meat
169	Immunological responses of the lactating ewe udder following experimental challenge with <i>Staphylococcus epidermidis</i>	2002	Vet Immunol Immunopathol	Winter	2	Colditz	AUT	ALS	U Vienna		Original	Experimental	Pathogenesis		Meat
170	Phagocytic capacity of leukocytes in sheep mammary secretions following weaning	2002	J Anat	J Anst	4	Lee	AUS		U Melbourne		Original	Experimental	Pathogenesis		Meat
171	Physicochemical, microbiological and coagulating properties of ewe's milk produced on the Calabrian Mount Poro plateau	2002	Int J Dairy Technol	Micari	5	Cufari	ITL		U Reggio Calabria		Original	Field	Diagnosis		Dairy
172	DNA macrorestriction analysis by pulsed-field gel electrophoresis of <i>Pseudomonas aeruginosa</i> isolates from mastitis in dairy sheep	2002	Vet Rec	Las Heras	6	Fernandez-Garayzabal	ESP		U Madrid		Original	Field	Aetiology		Dairy
173	Antibody responses in sheep vaccinated against <i>Staphylococcus aureus</i> mastitis: a comparison of two experimental vaccines containing different adjuvants	2002	Vet Res Comm	Tollerud	6	Lund	NOR		National Veterinary Institute Norway		Original	Experimental	Control		Meat
174	Efficacy of dry-off treatment in sheep	2003	Small Rumin Res	Chaffer	7	Saran	ISR		Kimron Veterinary Institute		Original	Field	Control		Dairy
175	Therapeutic efficacy of tiludoxin in ovine mammary infections	2003	Small Rumin Res	Nacari	5	De Mentis	ITL		U Messina		Original	Experimental	Treatment		Dairy
176	Methicillin resistance in staphylococci isolated from subclinical mastitis in sheep	2003	Microbiologica	Corrente	4	Ventriglia	ITL		U Bari		Original	Laboratory	Treatment		Dairy
177	New advances in epidemiology and control of ewe mastitis	2003	Liv Prod Sci	Bergonier	2	Berthelot	FRA		Ecole Nationale Veterinaire de Toulouse		Review				
178	Influence of pulsatation rate on udder health and teat thickness changes in dairy ewes	2003	J Dairy Sci	Peris	5	Fernandez	ESP		U Valencia		Original	Field	Risk factors		Dairy
179	Period prevalence and etiology of subclinical mastitis in Awassi sheep in southern Jordan	2003	Small Rumin Res	Al-Majali	2	Jawabreh	JOD		Jordan U Science Technology		Original	Field	Aetiology		Dairy
180	Leucotoxic activities of <i>Staphylococcus aureus</i> strains isolated from cows, ewes, and goats with mastitis: importance of LukMLuK-F-IV leukotoxin	2003	Clin Diagn Lab Immunol	Rainard	5	Pourel	FRA		INRA		Original	Laboratory	Aetiology		Dairy
181	Genetic parameters for milk somatic cell scores and relationships with production traits in French Lacune dairy sheep	2003	J Dairy Sci	Rupp	4	Bartillet	FRA		INRA		Original	Field	Risk factors		Dairy
182	Effects of litter management on airborne particulates in sheep in sheep houses and on the yield and quality of ewe milk	2003	Liv Prod Sci	Sevi	5	Contodourati	ITL		U Foggia		Original	Field	Risk factors		Dairy
183	Dynamics of experimentally induced <i>Staphylococcus epidermidis</i> mastitis in East Friesian milk ewes	2003	J Dairy Sci	Winter	4	Colditz	AUT	ALS	U Vienna		Original	Experimental	Pathogenesis		Meat
184	Evaluation of diagnostic procedures for subclinical mastitis in meat-producing sheep	2003	J Dairy Res	Clements	3	Pitzpatrick	GBR		U Glasgow		Original	Field	Diagnosis		Meat
185	Serum amyloid A in the serum and milk of ewes with mastitis induced experimentally with <i>Staphylococcus epidermidis</i>	2003	Vet Rec	Winter	3	Walsh	AUT	ALS	U Vienna		Original	Experimental	Pathogenesis	Diagnosis	Meat
186	Immune response, udder health and productive traits of machine milked and suckling ewes	2003	Small Rumin Res	Albenzio	6	Sevi	ITL		U Foggia		Original	Experimental	Risk factors	Pathogenesis	Dairy
187	Udder infection and milk somatic cell count, NAGase activity and milk composition-fat, protein and lactose in Israeli-Assaf and Awassi sheep	2003	Small Rumin Res	Leitner	8	Saran	ISR		Kimron Veterinary Institute		Original	Field	Diagnosis	Effects	Dairy
188	Genetic parameters of somatic cell count in dairy sheep considering the type of mammary pathogen effect	2003	J Anim Breed Gen	Gonzalo	6	San Primitivo	ESP		U Leon		Original	Field	Risk factors		Dairy
189	Mastitis of dairy small ruminants	2003	Vet Rec	Bergonier	5	Berthelot	FRA		Ecole Nationale Veterinaire de Toulouse		Review				
190	Study on frequency, etiology and some enzymatic activities of subclinical ovine mastitis in Urmia, Iran	2003	Small Rumin Res	Batavani	4	Davoodi	IRN		U Urmia		Original	Field	Aetiology		Dairy
191	Clinical and ultrasonographic findings in the mammary gland of sheep	2003	NZ Vet J	Franz	4	Baumgartner	AUT		U Vienna		Original	Field	Diagnosis		Meat
192	Antimicrobial drug susceptibility of <i>Staphylococcus aureus</i> strains isolated from bovine and ovine mammary glands	2003	J Dairy Sci	Pengow	2	Ceru	SLV		U Ljubljana		Original	Field	Treatment		Dairy
193	Hard ewe's milk cheese manufactured from milk of three different groups of somatic cell counts	2003	J Dairy Sci	Jaeggi	7	Wendroff	USA		U Wisconsin		Original	Field	Effects		Dairy
194	Genotyping of <i>Staphylococcus aureus</i> from various sites on farms with dairy sheep using pulsed-field gel electrophoresis	2003	Vet Microbiol	Vautour	5	Pypin	FRA		AFSSA		Original	Laboratory	Aetiology		Dairy
195	Genetic analysis of somatic cell count and milk traits in Manchega ewes: Mean lactation and test-day approaches	2003	Liv Prod Sci	Serrano	4	Jurado	ESP		INIA		Original	Field	Risk factors		Dairy
196	A case of sporadic ovine mastitis caused by <i>Listeria monocytogenes</i> and its effect on contamination of raw milk and raw-milk cheeses produced in the on-farm dairy	2003	J Dairy Res	Scheder	5	Wagner	AUT		U Vienna		Original	Field	Aetiology		Dairy
197	Influence of vacuum level and overmilking on udder health and teat thickness changes in dairy ewes	2003	J Dairy Sci	Peris	6	Fernandez	ESP		U Valencia		Original	Field	Risk factors		Dairy
198	Physical examination of the mammary gland and milk indicators of udder health in East-Hammond dairy sheep	2004	Tierarz Prax	Fahr	4	Al-Hammad	GER		Paul Lister Institute		Original	Field	Diagnosis		Meat

199	Interrelationships between the activities of the plasmin system in goats and sheep experiencing subclinical mastitis, casein degradation and milk yield	2004	S Afr Anim J Sci	Silankwe	4	Merin	ISR	Agri Research Organisation Israel		Original	Field	Pathogenesis		Dairy	
200	Changes in milk composition as affected by subclinical mastitis	2004	S Afr Anim J Sci	Merin	5	Letimer	ISR	Agri Research Organisation Israel	Kimron Veterinary Institute	Original	Field	Effects		Dairy	
201	Factors influencing milk quantity and quality in Assaf sheep and goat crossbreds	2004	S Afr Anim J Sci	Letimer	7	Saran	ISR	Kimron Veterinary Institute		Original	Field	Effects		Dairy	
202	Clinical and histopathological aspects of naturally occurring mastitis caused by <i>Listeria monocytogenes</i> in cattle and ewes	2004	J Vet Med B	Winter	7	Wagner	AUT	U Vienna		Original	Field	Aetiology	Pathogenesis	Dairy	
203	Changes in milk composition as affected by subclinical mastitis in sheep	2004	J Dairy Sci	Letimer	8	Silankwe	ISR	Agri Research Organisation Israel	Kimron Veterinary Institute	Original	Field	Effects		Dairy	
204	Experimentally induced teat stenosis in dairy ewes: clinical, pathological and ultrasonographic features	2004	J Comp Pathol	Mavrogiani	6	Talziotou	GRE	U Thessaly	Aristotle U Thessaloniki	Original	Experimental	Pathogenesis		Dairy	
205	Evaluation of molecular and immunological techniques for the diagnosis of mammary apertillitis in ewes	2004	Vet Microbiol	Garcia	5	Blasco	ESP	U Madrid		Original	Laboratory	Diagnosis		Dairy	
206	Effects of selective and complete dry therapy on prevalence of intramammary infection and on milk yield in the subsequent lactation in dairy ewes	2004	J Dairy Res	Gonzalo	4	San Primitivo	ESP	U Leon		Original	Field	Control		Dairy	
207	In vitro adherence and invasion of ovine mammary epithelium by <i>Mannheimia (Pasteurella) haemolytica</i>	2004	Vet J	Vilela	3	Moogan	GBR	U Bristol	U Lisbon	Original	Experimental	Pathogenesis		Meat	
208	Effects of lambing season and stage of lactation on ewe milk quality	2004	Small Rumin Res	Sevi	5	Muscio	ITL	U Foggia		Original	Field	Risk factors		Dairy	
209	Effects of somatic cell count and stage of lactation on the plasmin activity and chesse-making properties of ewe milk	2004	J Dairy Sci	Albenzio	6	Sevi	ITL	U Foggia		Original	Field	Effects		Dairy	
210	Antibiotic resistance and epidemiological typing of <i>Staphylococcus aureus</i> strains from ovine and rabbit mastitis	2004	Int J Antimicrob Ag	Goni	6	Gomez	ESP	U Zaragoza		Original	Laboratory	Aetiology	Treatment	Dairy	
211	Case report: high prevalence of ovine mastitis, caused by coagulase-negative staphylococci and predisposed by increased gossypoid consumption	2004	Small Rumin Res	Fthenakis	5	Tzora	GRE	U Thessaly	TEI Epirus	Original	Field	Epidemiology	Risk factors	Dairy	
212	Phenotypic and genotypic characteristics of <i>Staphylococcus aureus</i> isolates from raw bulk-tank milk samples of goats and sheep	2004	Vet Microbiol	Scherrer	5	Stephan	SWI	U Zurich		Original	Laboratory	Aetiology		Dairy	
213	Bacteriology and somatic cell counts in milk samples from ewes on a Scottish farm	2004	Can J Vet Res	Hartharan	4	Keefe	CIN	U Prince Edward Island	Moredun Research Institute	Original	Field	Aetiology	Diagnosis	Meat	
214	<i>Strepptococcus equi</i> subsp <i>ruminantium</i> subsp <i>nov.</i> , isolated from mastitis in small ruminants	2004	Int J Syst Evol Microbiol	Fernandez	7	Fernandez-Garayzaral	ISP	U Madrid		Original	Laboratory	Aetiology		Dairy	
215	The effects of inoculation of <i>Mannheimia haemolytica</i> into the teat of lactating ewes	2005	Vet Res	Mavrogiani	8	Sarasis	GRE	U Thessaly	Aristotle U Thessaloniki	Original	Experimental	Pathogenesis		Dairy	
216	Investigation of antioxidant enzymes and some biochemical parameters in ewes with gangrenous mastitis	2005	Turk J Vet Anim Sci	Cetin	5	Korkmaz	TUR	U Harran		Original	Field	Diagnosis		Dairy	
217	Phenotypic and genetic analysis of udder health using SCC in Valle del Belice dairy sheep	2005	Ital J Anim Sci	Portolano	5	Giaccone	ITL	U Palermo		Original	Field	Risk factors		Dairy	
218	Evaluation of a combined vaccine against staphylococcal mastitis in ewes	2005	Bull Vet Inst Pulawy	Hadimik	4	Sayin	TUR	U Selcuk		Original	Field	Control		Dairy	
219	Somatic cells in sheep milk	2005	Med Vet	Olechowicz	2	Jaskowski	POL	U Krakow		Original	Field	Diagnosis		Dairy	
220	Factors of variation influencing bulk tank somatic cell count in dairy sheep	2005	J Dairy Sci	Gonzalo	7	San Primitivo	ESP	U Leon		Original	Field	Risk factors		Dairy	
221	Genetic diversity of <i>Staphylococcus aureus</i> isolated from ovine intramammary infections in Norway	2005	Vet Microbiol	Mork	5	Waage	NOR	National Veterinary Institute Norway	U Oslo	Original	Laboratory	Aetiology		Meat	
222	Studies on the use of Bta-Gard spray	2005	Small Rumin Res	Klingonair	3	Baumgartner	AUT	U Vienna		Original	Field	Control		Dairy	
223	Investigation and control of mastitis outbreaks caused by <i>Pseudomonas aeruginosa</i> in a sheep flock and a goat	2005	Berl Munch Tierarz Wochs	Yeraham	7	Goshen	ISR	U Jerusalem		Original	Field	Aetiology	Control	Dairy	
224	Genetic parameters of udder traits, somatic cell score, and milk yield in Lataxa sheep	2005	J Dairy Sci	Leparra	2	Ugarte	ISP	NEIKER		Original	Field	Risk factors		Dairy	
225	Characterization of 26 isolates of <i>Staphylococcus aureus</i> , predominantly from dairy sheep, using four different techniques of molecular epidemiology	2005	J Vet Diagn Invest	Vautour	6	Pepin	FRA	AFSSA		Original	Laboratory	Aetiology		Dairy	
226	Comparison of <i>Staphylococcus aureus</i> genotypes recovered from cases of bovine, ovine, and caprine mastitis	2005	J Clin Microbiol	Mork	5	Waage	NOR	National Veterinary Institute Norway	U Oslo	Original	Laboratory	Aetiology		Dairy	
227	Relationship between welfare and udder health indicators in dairy ewes	2006	Vet Res Comm	Caropese	4	Sevi	ITL	U Foggia		Original	Field	Risk factors		Dairy	
228	Teat disorders predispose ewes to clinical mastitis	2006	Vet Res	Mavrogiani	5	Fthenakis	GRE	U Thessaly		Original	Experimental	Pathogenesis		Dairy	
229	Toll-like receptor gene polymorphism and its relationship with somatic cell concentration and natural bacterial infections of the mammary gland in sheep	2006	Folia Microbiol	Swiderk	6	Mikala	POL	U Warsaw	U Kosice	Academy of Sciences Slovakia	Original	Laboratory	Risk factors		Dairy
230	Relationship between blood lymphocyte phenotype, DRB1 (MHC class II) gene polymorphism and somatic cell count in ewe milk	2006	Bull Vet Inst Pulawy	Swiderk	4	Gruszczyńska	POL	U Warsaw		Original	Field	Pathogenesis		Dairy	
231	Use of somatic cell counts and California Mastitis Test results from udder halves milk samples to detect subclinical intramammary infection in Awassi sheep	2006	Small Rumin Res	Lafi	1	KDD	JOR	Jordan U Science Technology		Original	Field	Diagnosis		Dairy	
232	Physiological and pathological threshold of somatic cell counts in ewe milk	2006	Small Rumin Res	Berthelot	5	Bergonier	FRA	Ecole Nationale Veterinaire de Toulouse		Original	Field	Diagnosis		Dairy	
233	Relationship between somatic cell counts and the properties of yoghurt made from ewes' milk	2006	Int Dairy J	Vivar-Quintana	3	Revilla	ESP	U Salamanca		Original	Field	Effects		Dairy	
234	Effects of hand milking on the bacterial flora of the mammary gland and teat duct	2006	J Dairy Res	Mavrogiani	5	Fthenakis	GRE	U Thessaly		Original	Field	Risk factors		Dairy	
235	Description and validation of a novel technique to study the bacterial flora of the teat duct of ewes	2006	Small Rumin Res	Mavrogiani	3	Fthenakis	GRE	U Thessaly		Original	Field	Diagnosis		Dairy	
236	Molecular typing of <i>Staphylococcus aureus</i> isolated from cows, goats and sheep with intramammary infections on the basis of gene polymorphisms and toxin genes	2006	J Vet Med B	Vernecati	7	Monesi	ITL	U Milan		Original	Laboratory	Aetiology		Dairy	
237	The potential of measuring serum amyloid A in individual ewe milk and in farm bulk milk for monitoring udder health on sheep dairy farms	2006	Res Vet Sci	Winter	4	Baumgartner	AUT	U Vienna		Original	Field	Pathogenesis	Diagnosis	Dairy	
238	Effects of machine-milking on the bacterial flora of teat duct and mammary gland of ewes	2006	J Vet Med B	Skoufos	4	Tzora	GRE	TEI Epirus		Original	Field	Pathogenesis		Dairy	
239	Clinical aspects and characteristics of the milk in sheep with mastitis	2007	Peq Vet Brazil	Santos	4	Smas	BRA	U Pernambuco		Original	Experimental	Pathogenesis		Dairy	
240	Detection of quantitative trait loci influencing somatic cell score in Spanish Churra sheep	2007	J Dairy Sci	Gutierrez-Gil	7	Aranza	ESP	U Leon		Original	Field	Risk factors		Dairy	
241	Relationship between beta lactoglobulin and subclinical mastitis in Valle del Belice sheep breed	2007	Ital J Anim Sci	Gigli	6	Maione	ITL	U Palermo		Original	Field	Risk factors		Dairy	
242	Effect of weather conditions on somatic cell score in Sicilian Valle del Belice ewes	2007	Ital J Anim Sci	Finochiano	3	Portolano	ITL	U Palermo		Original	Field	Risk factors		Dairy	
243	Drug resistance in isolated bacteria from milk of sheep and goats with subclinical mastitis	2007	Iran J Vet Res	Ebrahimi	3	Karimi	IRN	U Shahrood		Original	Laboratory	Treatment		Dairy	
244	Mastitis in small ruminants	2007	Small Rumin Res	Cortinas	7	Gonzalo	ESP	U Murcia	U Leon	Review					
245	Somatic cells of goat and sheep milk: analytical, sanitary, productive and technological aspects	2007	Small Rumin Res	Raynal-Ljutovac	4	Gonzalo	FRA	ESP	Inst Technologie-Produits Laitiers Caprins	U Leon	Review				
246	Monitoring goat and sheep milk somatic cell counts	2007	Small Rumin Res	Paape	8	Miller	USA	Ministry of Agriculture USA		Review					
247	Economic weights of somatic cell score in dairy sheep	2007	Animal	Leggana	5	Amanz	ESP	NEIKER		Original	Field	Effects		Dairy	
248	Genetic parameters for milk somatic cell score and relationships with production traits in prapinuous dairy sheep	2007	J Dairy Sci	Riggio	5	Bovenhuis	ITL	NED	U Palermo	U Wageningen	Original	Field	Risk factors		Dairy
249	Udder health and somatic cell counts in ewes	2007	Agartarschung	Mauer	2	Schaeren	SWI	Forsch Sanstalt Agroscope Liebefeld Posieux		Original	Field	Diagnosis		Dairy	
250	The effect of machine or hand milking on milk production, composition and SCC	2007	Small Rumin Res	Stiapis	1		GRE	Aristotle U Thessaloniki		Original	Field	Diagnosis	Effects	Dairy	
251	Clinical, bacteriological, cytological and pathological features of teat disorders in ewes	2007	J Vet Med A	Mavrogiani	2	Fthenakis	GRE	U Thessaly		Original	Field	Risk factors		Dairy	
252	Bacterial flora and risk of infection of the ovine teat duct and mammary gland throughout lactation	2007	Vet Vet Med	Mavrogiani	3	Fthenakis	GRE	U Thessaly		Original	Field	Risk factors		Dairy	
253	Genetics of disease resistance in sheep and goats	2007	Small Rumin Res	Bishop	2	Morris	GBR	NZL	Roslin Institute	AgResearch New Zealand	Review				
254	Characterization of <i>Staphylococcus aureus</i> isolates from buffaloes, bovine, ovine, and caprine milk samples collected in Rio de Janeiro State, Brazil	2007	Appl Environ Microbiol	Aires-De-Sousa	6	de Lencastre	PCR	USA	New U Lisbon	U Rockefeller	Original	Laboratory	Aetiology		Dairy
255	Presence of subepithelial lymphoid nodules in the teat of ewes	2007	Anal Histol Embryol	Mavrogiani	5	Fthenakis	GRE	U Thessaly		Original	Laboratory	Pathogenesis		Dairy	
256	The bacterial flora in the teat duct of ewes can protect against and can cause mastitis	2007	Vet Res	Fragkou	5	Fthenakis	GRE	U Thessaly		Original	Experimental	Pathogenesis		Dairy	
257	Presence of sub-epithelial lymphoid tissues in the teat of ewe-lambs and adult ewes	2007	Small Rumin Res	Fragkou	7	Fthenakis	GRE	U Thessaly		Original	Laboratory	Pathogenesis		Dairy	
258	Effect of dietary zinc upon in vitro bacterial adherence to ovine mammary epithelium	2007	Res Med Vet	Saianda	5	Vilela	POR	U Lisbon		Original	Laboratory	Pathogenesis		Dairy	
259	Time-to-event analysis of mastitis at first lactation in Valle del Belice ewes	2007	Liv Sci	Portolano	5	Maione	ITL	U Palermo		Original	Field	Risk factors		Dairy	
260	Influence of somatic cell count and based on capillary electrophoretic protein profiles of ewes' milk: a chemometric study	2007	J Dairy Sci	Rodriguez-Nogales	3	Revilla	ESP	U Salamanca	U Valladolid	Original	Field	Effects		Dairy	
261	Differences in susceptibility to <i>Mannheimia haemolytica</i> -associated mastitis	2007	J Dairy Res	Fragkou	8	Fthenakis	GRE	U Thessaly		Original	Experimental	Pathogenesis		Dairy	
262	Effect of intramammary infection in Bergamasca meat sheep on milk parameters and lamb growth	2007	J Dairy Res	Maroni	4	Bettcher	ITL	U Milan	Institute of Agricultural Biology and Biotechnology	Original	Field	Effects		Dairy	
263	Clinical mastitis in ewes, bacteriology, epidemiology and clinical features	2007	Acta Vet Scand	Mork	5	Svliand	NOR	National Veterinary Institute Norway		Original	Field	Aetiology		Dairy	
264	Characterization of <i>Staphylococcus aureus</i> isolates recovered from dairy sheep farms (agr group, adherence, slime, resistance to antibiotics)	2007	Small Rumin Res	Vautour	6	D'Almeida	FRA	AFSSA	Archat Hospital	Original	Laboratory	Aetiology		Dairy	
265	Study of the leucocyte formula of milk in the ewes of race Ouled-Djalil in the east of Algeria	2007	Afr J Agr Res	Laouadja-Sellam	3	Gharani	ALG	U Badji Mokhtar		Original	Field	Diagnosis		Dairy	

266	Pseudomonas aeruginosa mastitis outbreaks in sheep and goat flocks	2007	Vet Immun Immunopathol	Leitner	2	Kiffacks	ISR		Kimron Veterinary Institute		Original	Experimental	Control		Dairy	
267	Program for the control of subclinical mastitis in dairy Chios breed ewes during lactation	2007	Small Rumin Res	Klousis	4	Boscos	GRE		Aristotle U Thessaloniki		Original	Field	Control		Dairy	
268	Phenotypic and genotypic characterization of Pseudomonas aeruginosa strains isolated from mastitis	2007	J Dairy Res	Sela	6	Leitner	ISR		Kimron Veterinary Institute	Agri Research Organisation Israel	Original	Laboratory	Aetiology		Dairy	
269	Treat lesions predispose to invasion of the ovine mammary gland by Mannheimia haemolytica	2007	J Comp Pathol	Fragkou	5	Fthenakis	GRE		U Thessaly		Original	Experimental	Risk factors	Pathogenesis	Dairy	
270	Studies on mastitis in sheep, caused by Coxiella burnetii	2007	Biotechnol Biochemol Equip	Martinov	1		BUL		National Veterinary Institute Bulgaria		Original	Field	Aetiology		Dairy	
271	Patterns of maternal-offspring behaviour of dairy sheep and potential association with mammary health	2007	Can J Anim Sci	Gougoulis	9	Fthenakis	GRE		U Thessaly		Original	Field	Pathogenesis		Dairy	
272	Order of sheep entry into the milking parlour and its relationship with their milkability	2007	Appl Anim Behav Sci	Villagra	5	Fernandez	ESP		U Valencia		Original	Field	Risk factors		Dairy	
273	Profile and evolution of antimicrobial resistance of ovine mastitis pathogens (1995-2004)	2008	Small Rumin Res	Loflai	6	Leori	ITL		Inst Zooprofilattico Sardegna	National Reference Centre Sheep & Goats	Original	Laboratory	Treatment		Dairy	
274	Estimate of milk and curd yield loss of sheep and goats with intramammary infection and its relation to somatic cell count	2008	Small Rumin Res	Leitner	3	Merin	ISR		Kimron Veterinary Institute	Agri Research Organisation Israel	Original	Field	Effects		Dairy	
275	Dry-off treatment of Awassi sheep: efficacy as a management tool for improving milk quantity and quality	2008	Small Rumin Res	Shwimmer	6	Leitner	ISR		Kimron Veterinary Institute	Ministry of Agriculture Israel	Original	Field	Control		Dairy	
276	Disease threats to sheep associated with intensification of pastured farming	2008	NZ Vet J	Ridler	1		GBR		U London		Review					
277	Ovine <i>Listeria monocytogenes</i> mastitis and human exposure via fresh cheese from raw milk: the impact of farm management, milking and cheese manufacturing practices	2008	MilchWissenschaft	Schoder	6	Wagner	AUT		U Vienna		Original	Experimental	Effects		Dairy	
278	Subclinical mastitis in sheep: etiology, epidemiology and diagnosis methods	2008	Kaf Univ Vet Fakult Derg	Yagci	1		TUR		U Kirikkale		Review					
279	Antimicrobial use in the Alberta sheep industry	2008	Can J Vet Res	Avey	7	McEwen	CDN		Public Health Agency Canada	Ministry of Agriculture Canada	Original	Field	Treatment		Dairy	
280	Effects of lamb suckling on the bacterial flora of teat duct and mammary gland of ewes	2008	Reprod Dom Anim	Gougoulis	6	Fthenakis	GRE		U Thessaly		Original	Experimental	Pathogenesis		Dairy	
281	Breeding for resistance to mastitis in United Kingdom sheep: a review and economic appraisal	2008	Vet Rec	Conington	4	Bunger	GBR		Scottish Agricultural College		Review					
282	Subclinical mastitis changes the patterns of maternal-offspring behaviour in dairy sheep	2008	Vet J	Gougoulis	6	Fthenakis	GRE		U Thessaly		Original	Experimental	Effects		Dairy	
283	EC and CMT detect subclinical mastitis in dairy sheep but less sensitive than in dairy cows	2008	Landbauforschung Völkernode	Barth	2	Knappslein	GER		Federal Research Inst For Rural areas Germany	Max Ruber Inst	Original	Field	Diagnosis		Dairy	
284	Effects of experimental challenge of ewes with Mannheimia haemolytica on subsequent milk composition	2008	J Dairy Res	Fragkou	12	Fthenakis	GRE		U Thessaly		Original	Experimental	Effects		Dairy	
285	Evaluation of a prophylactic method against clinical mastitis in Santa Ines ewes	2008	Arq Bras Med Vet Zoot	Melo	6	Mata	BRA		U Brasilia	Agricultural Research Organisation Brazil	Original	Field	Control		Dairy	
286	Cellular and microbiological profile of Santa Ines ewes in the lactation and the post-weaning period.	2008	Psq Vet Brazil	Blagitz	11	Della Libera	BRA		U Sao Paulo		Original	Field	Diagnosis		Dairy	
287	Influence of an intramammary infusion at drying-off of combined penicillins, benzathine penicillin, and framycetin sulfate on intramammary infections and somatic cell counts in dairy sheep	2008	J Dairy Sci	Lauage	2	Gonzalo	ESP		U Leon		Original	Field	Control		Dairy	
288	Risk factors and impacts of clinical and subclinical mastitis in commercial meat-producing sheep flocks in Quebec, Canada	2008	Prev Vet Med	Anonault	4	Belanger	CDN		U Montreal		Original	Field	Risk factors	Effects	Meat	
289	Individual animal risk factors for clinical mastitis in meat sheep in Norway	2008	Prev Vet Med	Waage	2	Vain	NOR		U Oslo	Ministry of Agriculture Norway	Original	Field	Risk factors		Meat	
290	Prevalence and etiology of subclinical mastitis in Awassi dairy ewes in southern Turkey	2009	Turk J Vet Anim Sci	Ergan	8	Demir	TUR		U Mustafa Kemal		Original	Field	Aetiology	Epidemiology	Dairy	
291	Ultrasonographic examination of the ovine udder	2009	Therarzt Prakt Aus Gross Nutz	Hapler	3	Woband	GER		U Giessen		Original	Experimental	Diagnosis		Meat	
292	Estimation of (co)variance components of nematode parasites resistance and somatic cell count in dairy sheep	2009	Ital J Anim Sci	Sechi	7	Casu	ITL		AGRS Sardegna		Original	Field	Risk factors		Dairy	
293	Study of beta-defensin polymorphisms in Valle del Belice dairy sheep	2009	Ital J Anim Sci	Monteleone	4	Portolano	ITL		U Palermo		Original	Field	Risk factors		Dairy	
294	Usefulness of the E-test for the determination of the susceptibility of Staphylococcus sp. isolated from milk of sheep and goats with subclinical mastitis to ampicillin and amoxicillin-clavulanic acid	2009	Bull Vet Inst Palawy	Kivenci	4	Sarbay	TUR		U Ataturk	U Mustafa Kemal	Original	Laboratory	Treatment		Dairy	
295	The effect of stress synchronization treatments on somatic cell count of transitional-anestrous Awassi ewes' milk	2009	Trop Anim Hlth and Prod	Talaha	3	Ababneh	JOD		Jordan U Science Technology		Original	Field	Risk factors		Dairy	
296	Response to somatic cell count based selection for mastitis resistance in a divergent selection experiment in sheep	2009	J Dairy Sci	Rupp	7	Foucar	FRA		INRA	U Toulouse	Original	Experimental	Risk factors		Dairy	
297	Pseudomonas spp. isolated in dairy herds. A new protocol with PCR real time by using "DUAL FRET" probes for ovine mastitis	2009	Large Anim Rev	Orru	9	Orru	ITL		U Cagliari	Inst Zooprofilattico Sardegna	Original	Field	Diagnosis		Dairy	
298	Risks of antibiotic residues in milk following intramammary and intramuscular treatments in dairy sheep	2009	Analyt Chim Acta	Pengow	2	Kirbis	SLV		U Ljubljana		Original	Field	Treatment		Dairy	
299	Protection from Staphylococcus aureus mastitis associated with poly-N-acetyl-beta-1,6 glucosamine specific antibody production using lactin-embedded bacteria	2009	Vaccine	Perez	16	Amorena	ESP		U Navarra	SIA DGA-Zaragoza	Original	Experimental	Control		Dairy	
300	Simultaneous lack of catilase and beta-txin in Staphylococcus aureus leads to increased intracellular survival in macrophages and epithelial cells and to attenuated virulence in murine and ovine models	2009	Microbiol SCM	Martinez-Palgarin	4	de la Fuente	ESP		U Madrid		Original	Laboratory	Pathogenesis		Dairy	
301	Association between a case study of asymptomatic ovine faecal mastitis and the contamination of cost cheese and cheese processing environment with Listeria monocytogenes in Portugal	2009	Foodborne Pathog Dis	Pintado	6	McLaughlin	FCR		U Lisbon	Ministry of Health UK	Original	Field	Effects		Dairy	
302	Pharmacokinetics and efficacy of tetraplatin against intramammary infections in sheep	2009	Vet Rec	Naccari	8	Naccari	ITL		U Messina	U Milan	Original	Field	Treatment		Dairy	
303	Lamb mortality in an outbreak of Yersinia pseudotuberculosis mastitis, as a collateral effect of colostrum feeding for Leinfries-control	2009	Small Rumin Res	Juste	5	de Henedia	ESP		NEIKER		Original	Field	Aetiology	Effects	Dairy	
304	Development of serological proteomic analysis of mastitis by Staphylococcus aureus in ewes	2009	J Microbiol Meth	Le Loir	8	Le Loir	FRA		INRA		Original	Laboratory	Aetiology		Dairy	
305	Difference in virulence between Staphylococcus aureus isolates causing gangrenous mastitis versus subclinical mastitis in a dairy sheep flock	2009	Vet Res	Vantor	8	Lindsay	FRA	GBR	AFSSA	U London	Original	Field	Pathogenesis		Dairy	
306	Molecular typing of Staphylococcus aureus strains from ovine mastitis by pulsed-field gel electrophoresis and polymerase chain reaction based on coagulase and protein A gene polymorphisms	2009	J Vet Diagn Invest	Cilici	5	Segal	TUR		U Onsekiz Mayis	U Amnaya	Original	Laboratory	Aetiology		Dairy	
307	Effect of somatic cell count level on functional longevity in Valle del Belice dairy sheep assessed using survival analysis	2009	J Dairy Sci	Riggio	5	van Arendonk	ITL	NED	U Palermo	U Wageningen	Original	Field	Diagnosis		Dairy	
308	Endemic contagious agalactia in sheep and goats: clinical evaluation, treatment and vaccination	2010	J Anim Vet Adv	Macun	6	Kalin	TUR		U Kirikkale	U Firat	Original	Field	Treatment		Dairy	
309	Clinical findings in sheep farms affected by recurrent bacterial mastitis	2010	Small Rumin Res	Marogna	5	Leori	ITL		Inst Zooprofilattico Sardegna		Original	Field	Aetiology		Dairy	
310	Phenotypic and genetic relationships between udder morphology and udder health in dairy ewes	2010	Small Rumin Res	Casu	4	Carta	ITL		U Sassari		Original	Field	Risk factors		Dairy	
311	The role of lactate dehydrogenase, alkaline phosphatase and aspartate aminotransferase in the diagnosis of subclinical intramammary infections in dairy sheep and goats	2010	J Dairy Res	Katsoulos	6	Kritas	GRE		U Thessaly	Aristotle U Thessaloniki	Original	Field	Diagnosis		Dairy	
312	The induction of lymphoid follicle-like structures in the ovine teat duct following experimental infection with Mannheimia haemolytica	2010	Vet J	Fragkou	12	Fthenakis	GRE		U Thessaly		Original	Experimental	Pathogenesis		Dairy	
313	Proteinogram and serum concentrations of copper, iron and zinc in Santa Ines ewes with Staphylococcus aureus experimentally induced mastitis.	2010	Psq Vet Brazil	Costa	8	de Mendonca	BRA		U Pernambuco		Original	Experimental	Pathogenesis	Diagnosis	Dairy	
314	Management and sanitary practices in ewe dairy farms and bulk milk somatic cell count	2010	Spanish J Agr Res	Molina	5	Molina	ESP		U Castilla La Mancha	U Valencia	Original	Field	Risk factors	Diagnosis	Dairy	
315	Genotypic characterization of coagulase-negative staphylococci isolated from sheep milk in Slovakia	2010	Acta Vet Brno	Philippincova	4	Tvarnick	SLK		U Kosice		Original	Laboratory	Aetiology		Dairy	
316	Genetic parameters for somatic cell score according to udder infection status in Valle del Belice dairy sheep and impact of imperfect diagnosis of infection	2010	Gen Sel Evol	Riggio	4	Bishop	ITL	NED	U Palermo	U Wageningen	Original	Field	Risk factors		Dairy	
317	Influences of somatic cell count on milk composition and dairy farm profitability	2010	Int J Dairy Technol	El-Tahawy	2	El-Far	EGY		U Alexandria		Original	Field	Effects		Dairy	
318	Identification of coagulase-negative staphylococci isolated from ovine milk samples by PCR-RFLP of 16S rDNA and gap genes	2010	Vet Microbiol	Omi	7	Tolla	ITL		Inst Zooprofilattico Sardegna		Original	Laboratory	Aetiology		Dairy	
319	Small ruminant mastitis in Brazil	2010	Psq Vet Brazil	Petinato	3	da Costa	BRA		U Vale Sao Francisco		Original	Field	Aetiology		Dairy	
320	Etiology and profile of antimicrobial sensitivity of bacteria from small ruminant mastitis and relationship of diagnostic techniques.	2010	Psq Vet Brazil	Petinato	5	da Costa	BRA		U Vale Sao Francisco		Original	Laboratory	Treatment		Dairy	
321	Mannheimia species associated with ovine mastitis	2010	J Clin Microbiol	Omalicki	4	Browning	AUS		U Melbourne		Original	Laboratory	Aetiology		Meat	
322	Acute mastitis induces upregulation of expression of plasminogen activator-related genes by blood monocytes and neutrophils in dairy cows	2010	Vet Immun Immunopathol	Theodorou	6	Pollis	GRE		Agricultural U Athens		Original	Laboratory	Pathogenesis		Dairy	
323	Staphylococcus aureus mastitis in Texel sheep associated with suckling twins	2010	Vet Rec	Koop	3	Rietsema	NED		U Utrecht		Original	Field	Risk factors		Meat	
324	Ecology and antimicrobial susceptibilities of bacteria isolated from sheep with mastitis in northeastern Para, Brazil.	2010	Psq Vet Brazil	Silva	8	Barbosa	BRA		U Para		Original	Laboratory	Aetiology	Treatment	Dairy	
325	Antimicrobial susceptibility of coagulase-negative staphylococci isolated from meat-producing ewes with mastitis	2010	Arq Bras Med Vet Zoot	Della Libera	8	Gomes	BRA		U Sao Paulo		Original	Laboratory	Treatment		Dairy	
326	Effect of freezing and preincubation on isolation of coagulase-negative staphylococci from ewes' milk samples	2011	Semina Clin Agar	Blagitz	7	Della Libera	BRA		U Sao Paulo		Original	Laboratory	Aetiology		Dairy	
327	Effects of intramammary infections on somatic cell count and milk yield in Sarda sheep	2011	NZ Vet J	Caccuro	7	Bronzo	ITL		U Milan	U Sassari	Original	Field	Effects		Dairy	
328	Sheep with scrapie and mastitis transmit infectious prions through the milk	2011	J Virol	Ligios	11	Sigurdson	ITL	SWI	USA	Inst Zooprofilattico Sardegna	U Zurich	Original	Field	Effects		Meat
329	Rates and determinants of antimicrobial use, including extra-label, on Ontario sheep farms	2011	Can J Vet Res	Moon	7	Meneses	CDN		U Guelph		Original	Field	Treatment		Dairy	
330	Investigation of toxin genes of Staphylococcus aureus strains isolated from gangrenous mastitis in ewes	2011	Kaf Univ Vet Fakult Derg	Tel	5	Demir	TUR		U Harran	U Mustafa Kemal	Original	Laboratory	Aetiology		Dairy	
331	Characterization of ovine mastitis in Santa Ines sheep in the north of Minas Gerais: occurrence, etiology and epidemiology	2011	Rev Ciéncias	de Moraes	6	Duarte	BRA		U Minas Gerais		Original	Field	Aetiology	Risk factors	Dairy	
332	Antimicrobial resistance of Staphylococcus aureus and coagulase negative staphylococci isolated from mastitis milk samples from sheep and goats	2011	Schweizer Arch Therarzt	Kuntz	6	Zweifel	SWI		U Zurich		Original	Laboratory	Treatment		Meat	

333	Differential leucocyte count for ewe milk with low and high somatic cell count	2011	J Dairy Res	Albenzio	2	Caroprese	ITL			U Foggia		Original	Laboratory	Diagnosis		Dairy
334	Selenium, vitamin E and vitamin A blood concentrations in dairy sheep flocks with increased or low clinical mastitis incidence	2011	Small Rumin Res	Gladinis	7	Fthenakis	GRE			Aristotle U Thessaloniki	U Thessaly	Original	Field	Risk factors		Dairy
335	Staphylococcus aureus seroproteomes discriminate ruminant isolates causing mild or severe mastitis	2011	Vet Res	Le Marechal	15	Lo Lait	FRA			INRA	ANSES	Original	Laboratory	Pathogenesis		Dairy
336	Antimicrobial susceptibility and population structure of Staphylococcus epidermidis associated with ovine mastitis	2011	Vet Microbiol	Onni	4	Tela	ITL			Inst Zooprofilattico Sardegna		Original	Laboratory	Aetiology	Treatment	Dairy
337	Transmission of Mannheimia haemolytica from the tonsils of lambs to the teat of ewes during suckling	2011	Vet Microbiol	Fragkou	8	Fthenakis	GRE			U Thessaly		Original	Experimental	Aetiology	Risk factors	Dairy
338	Principles of mastitis treatment in sheep and goats	2011	Vet Clin NA Food Anim Pract	Mavrogiani	4	Fthenakis	GRE			U Thessaly		Review				Dairy
339	Effects of glandular bacterial infection and stage of lactation on milk clotting parameters: comparison among cows, goats and sheep	2011	Int Dairy J	Leitner	3	Silankove	ISR			Kimron Veterinary Institute	Agri Research Organisation Israel	Original	Field	Effects		Dairy
340	Influence of storage and preservation on microbiological quality of silo ovine milk	2011	J Dairy Sci	de Carnica	3	Gozalzo	ESP			U Leon		Original	Field	Aetiology	Risk factors	Dairy
341	Transcriptomic analysis of milk somatic cells in mastitis resistant and susceptible sheep upon challenge with Staphylococcus epidermidis and Staphylococcus aureus	2011	BMC Genomics	Bonnefont	11	Rupp	FRA			INRA	U Toulouse	Original	Laboratory	Risk factors		Dairy
342	Genome sequences of two Staphylococcus aureus ovine strains that induce severe (strain O11) and mild (strain O46) mastitis	2011	J Bacteriol	Le Marechal	10	Lo Lait	FRA			INRA	ANSES	Original	Laboratory	Aetiology	Pathogenesis	Dairy
343	Impact of intramammary antimicrobial dry treatment and teat sanitation on somatic cell count and intramammary infection in dairy ewes	2011	Small Rumin Res	Spanu	3	Ruegg	USA			U Wisconsin		Original	Field	Control		Dairy
344	Strengthening insights into host responses to mastitis infection in ruminants by combining heterogeneous microarray data sources	2011	BMC Genomics	Genini	25	Grufta	ITL	USA	FRA	Faeco Tecnologico Padano	U Pennsylvania	Original	Laboratory	Pathogenesis		Dairy
345	Novel sequence types (STs) of Staphylococcus aureus isolates causing clinical and subclinical mastitis in flocks of sheep in the northeast of Brazil	2011	J Dairy Res	de Almeida	4	Mamirauka	BRA			U Sao Paulo		Original	Laboratory	Aetiology	Pathogenesis	Dairy
346	Preliminary investigation into the effect of freezing and a cryoprotectant on the recovery of mastitis pathogens from ewe milk	2011	J Dairy Sci	Smith	4	Green	GBR			U Warwick		Original	Laboratory	Aetiology		Meat
347	Cellular dynamics and microbiological quality of milk of Santa Ines ewes accompanied during lactation	2011	Pesq Vet Brazil	Gaarana	8	De Mendonca	BRA			U Pernambuco		Original	Field	Diagnosis		Dairy
348	Effect of subclinical mastitis on proteolysis in ovine milk	2011	J Dairy Sci	Marti de Olivos	5	Molina	ESP			U Miguel Hernandez	U Valencia	Original	Experimental	Effects		Dairy
349	Molecular basis of virulence in Staphylococcus aureus mastitis	2011	Flou One	Le Marechal	16	Lait	FRA			INRA	ANSES	Original	Laboratory	Pathogenesis		Dairy
350	The role of Mannheimia species in ovine mastitis	2011	Vet Microbiol	Omekci	4	Joanne	AUS			U Melbourne		Review				Dairy
351	Isolation of microbial pathogens of subclinical mastitis from raw sheep's milk of Epirus (Greece) and their role in its hygiene	2011	Anarobe	Fotou	9	Ioannina	GRE			U Ioannina	TEE Epirus	Original	Field	Aetiology		Dairy
352	The importance of staphylococci and threshold value of somatic cell count for diagnosis of sub-clinical mastitis in Pirak sheep at mid-lactation	2011	Reprod Dom Anim	Ozenc	6	Dogan	TUR			U Afyon		Original	Field	Diagnosis		Dairy
353	Somatic cell count and California Mastitis Test as a diagnostic tool for subclinical mastitis in ewes	2011	Acta Scient Vet	Pradise	10	Schmidt	BRA			U Rio Grande do Sul	U Pelotas	Original	Field	Diagnosis		Dairy
354	Antimicrobial susceptibility, presence of resistance genes and biofilm formation in coagulase-negative staphylococci isolated from subclinical sheep mastitis	2012	Kat Univ Vet Fakult Derg	Ergun	6	Boyar	TUR			U Mustafa Kemal		Original	Laboratory	Aetiology	Diagnosis	Dairy
355	Identifying the bacteria causing ovine gangrenous mastitis and detection of Staphylococcus aureus in gangrenous milk by PCR	2012	Kat Univ Vet Fakult Derg	Tel	2	Bozkaya	TUR			U Harran		Original	Field	Aetiology		Dairy
356	Identification and antibiotic sensitivity of the causative organisms of sub-clinical mastitis in sheep and goats	2012	Pak Vet J	Islam	7	Kim	KOR	BCID		U Shonkuk	Inst Livestock Research Bangladesh	Original	Field	Aetiology	Treatment	Dairy
357	Somatic cell counts and total bacterial counts in bulk tank of small ruminants	2012	Sloven Vet Res	Olechowicz	2	Jakovcic	POL			U Poznan		Original	Field	Diagnosis		Dairy
358	Detection of staphylococcal enterotoxins, methicillin-resistant and Panton-Valentine leukocidin genes in coagulase-negative staphylococci isolated from cows and ewes with subclinical mastitis	2012	Trop Anim Hlth and Prod	Unal	2	Cnar	TUR			U Kirikkale		Original	Laboratory	Aetiology		Dairy
359	Panton-Valentine leukocidin and some coxins of Staphylococcus aureus and antimicrobial susceptibility profiles of staphylococci isolated from milks of small ruminants	2012	Trop Anim Hlth and Prod	Unal	6	Yildirim	TUR			U Kirikkale		Original	Laboratory	Aetiology		Dairy
360	Genetic susceptibility to S. aureus mastitis in sheep: differential expression of mammary epithelial cells in response to live bacteria or supernatant	2012	Physiol Genom	Bonnefont	8	Foucras	FRA			U Toulouse	INRA	Original	Laboratory	Pathogenesis		Dairy
361	Lactation stage and udder health status of Santa Ines ewes	2012	Arq Brasil Med Vet Zoot	Blagitz	9	Dalla Libera	BRA			U Sao Paulo		Original	Field	Risk factors		Dairy
362	Clonal diversity of Staphylococcus aureus originating from the small ruminants goats and sheep	2012	Vet Microbiol	Pavero	6	Aausrup	DEN	ESP		Technical U Denmark	U Madrid	Original	Laboratory	Aetiology		Dairy
363	Investigation of the antibiotic resistance and biofilm formation of Staphylococcus aureus strains isolated from gangrenous mastitis of ewes	2012	Acta Vet Hung	Tel	5	Demir	TUR			U Harran	U Mustafa Kemal	Original	Laboratory	Aetiology		Dairy
364	Detection of Mycobacterium avium subsp paratuberculosis in intestinal and mammary tissues and in lymph nodes of sheep with different techniques and its relationship with enteric lesions	2012	Small Rumin Res	Pozizao	2	Remoni	ITL			U Camerino		Original	Field	Aetiology		Dairy
365	Staphylococcus aureus proteins differentially recognized by the ovine immune response in mastitis or nasal carriage	2012	Vet Microbiol	Seyffert	13	Lo Lait	FRA	BRA		INRA	U Minas Gerais	Original	Laboratory	Aetiology		Dairy
366	Effects of intra-mammary bacterial infection with coagulase negative staphylococci and stage of lactation on shedding of epithelial cells and infiltration of leukocytes into milk: Comparison among cows, goats and sheep	2012	Vet Immunol Immunopathol	Leitner	6	Silankove	ISR			Kimron Veterinary Institute	Agri Research Organisation Israel	Original	Experimental	Pathogenesis		Dairy
367	Immune competence of the mammary gland as affected by somatic cell and pathogenic bacteria in ewes with subclinical mastitis	2012	J Dairy Sci	Albenzio	5	Ciliberti	ITL			U Foggia		Original	Experimental	Pathogenesis		Dairy
368	"Milk-drop syndrome of ewes": investigation of the causes in dairy sheep in Greece	2012	Small Rumin Res	Gladinis	8	Fthenakis	GRE			Aristotle U Thessaloniki	U Thessaly	Original	Field	Aetiology		Dairy
369	Molecular epidemiology of Mannheimia haemolytica and Mannheimia glucosida associated with ovine mastitis	2012	J Vet Diagn Invest	Omekci	4	Barber	AUS			U Melbourne		Original	Laboratory	Aetiology		Meat
370	Antimicrobial resistance of Staphylococcus spp. from small ruminant mastitis in Brazil	2012	Pesq Vet Brazil	Franca	8	Costa	BRA			U Vale Sao Francisco		Original	Laboratory	Treatment		Dairy
371	Long-term study of environmental effects on test-day somatic cell count and milk yield in Manchega sheep	2012	Small Rumin Res	Atias	7	Perez-Guzman	ESP			U Leon	Council Agriculture and Environment Spain	Original	Field	Risk factors		Dairy
372	Subclinical mastitis caused by Staphylococcus coagulase negative in meat-producing sheep	2012	Arq Brasil Med Vet Zoot	Tojada	6	Timm	BRA			U Pelotas		Original	Field	Aetiology		Meat
373	A cohort study of the associations between udder conformation, milk somatic cell count, and lamb weight in suckler ewes	2012	J Dairy Sci	Huntley	4	Green	GBR			U Warwick		Original	Field	Effects		Meat
374	Somatic cell count in small ruminants: friend or foe?	2012	Small Rumin Res	Souza	6	Cerequeira	BRA			U Minas Gerais		Review				Dairy
375	Effects of drying-off procedure of ewes' udder, with intramammary antibiotic administration, in subsequent mammary infection and development of mastitis	2012	J Hill Vet Med Soc	Petridis	6	Fthenakis	GRE			U Thessaly		Original	Experimental	Control		Dairy
376	Tissue distribution of endotoxaemia after intramammary or simulated systemic administration in isolated perfused sheep udders	2012	Am J Vet Res	Cadenas	7	Viehoz	ESP			U Leon		Original	Experimental	Treatment		Dairy
377	Molecular characterization of enterotoxigenic and borderline oxacillin resistant Staphylococcus strains from ovine milk	2012	Food Microbiol	Pavillo	6	Columbo	ITL			U Roma		Original	Laboratory	Aetiology		Dairy
378	Survey of accessory gene regulator (agr) groups and TSST-1 encoding gene (ts) in Staphylococcus aureus isolated from ewes with mastitis in the northwest of Iran	2013	Iran J Vet Res	Saei	3	Zadeh	IRN			U Urmia		Original	Laboratory	Aetiology		Dairy
379	Peripheral blood and milk leukocytes subsets of lactating Sarda ewes	2013	Ital J Anim Sci	Bonelli	7	Nicolussi	ITL			Inst Zooprofilattico Sardegna		Original	Field	Pathogenesis		Dairy
380	Comparative analysis of agr groups and virulence genes among sub-clinical and clinical mastitis Staphylococcus aureus isolates from sheep flocks of the Northeast of Brazil	2013	Bras J Microbiol	de Almeida	4	Mamirauka	BRA			U Sao Paulo		Original	Laboratory	Pathogenesis		Dairy
381	Phenotypic and molecular characterization of isolates of Staphylococcus spp. obtained from sheep milk Chapisco-SC	2013	Seminaria Ciem Agrar	Agnot	8	Grazdaru	BRA			U Santa Catarina		Original	Laboratory	Aetiology		Dairy
382	Etology of mastitis in native goats and sheep born and raised in Brazilian semi-arid biome	2013	Med Vet Recife	Silva	9	Mota	BRA			U Pernambuco		Original	Field	Aetiology		Dairy
383	Estimation of genetic and phenotypic parameters for bacteriological status of the udder, somatic cell score, and milk yield in dairy sheep using a threshold animal model	2013	Liv Sci	Tokove	3	Portofano	ITL			U Palermo		Original	Field	Risk factors		Dairy
384	Relationship among specific bacterial counts and total bacterial and somatic cell counts and factors influencing their variation in ovine bulk tank milk	2013	J Dairy Sci	de Carnica	7	Gozalzo	ESP			U Leon		Original	Field	Risk factors		Diagnosis
385	Comparative molecular analysis of ovine and bovine Streptococcus uberis isolates	2013	J Dairy Sci	Gilchrist	5	Fontaine	GBR			Moredun Research Institute		Original	Laboratory	Aetiology		Dairy
386	Molecular screening of ovine mastitis in different breeds	2013	J Dairy Sci	Guerreiro	5	Duarte	POR			BPfja	U Aveiro	Original	Field	Aetiology		Dairy
387	Effects of drying-off procedure of ewes' udder in subsequent mammary infection and development of mastitis	2013	Small Rumin Res	Petridis	10	Fthenakis	GRE			U Thessaly		Original	Experimental	Control		Dairy
388	Consequences of reduced vitamin A administration on mammary health of dairy ewes	2013	Small Rumin Res	Koutsoumpas	8	Karatzias	GRE			Aristotle U Thessaloniki		Original	Field	Risk factors		Dairy
389	Outbreak of mastitis in sheep caused by multi-drug resistant Enterococcus faecalis in Sardinia, Italy	2013	Epidemiol Infect	Sanciu	6	Rappelli	ITL			U Sassari		Original	Field	Aetiology		Dairy
390	Methodology variations in milk somatic cell count from Santa Ines ewes	2013	Cienc Rural	Blagitz	7	Dalla Libera	BRA			U Sao Paulo		Original	Field	Diagnosis		Dairy
391	Ovine subclinical mastitis: Proteomic analysis of whey and milk fat globules unveils putative diagnostic biomarkers in milk	2013	J Proteom	Chiardola	10	Bonda	ITL			U Perugia	National Research Council Italy	Original	Field	Pathogenesis		Dairy
392	Staphylococcus aureus proteins differentially produced in ewe gangrenous mastitis or ewe milk	2013	Vet Microbiol	Le Marechal	9	Even	FRA			INRA	ANSES	Original	Laboratory	Pathogenesis		Dairy
393	Receiver-operating characteristic curves for somatic cell scores and California mastitis test in Valle del Belice dairy sheep	2013	Vet J	Riggio	4	Portofano	ITL	NED		U Palermo	U Wageningen	Original	Field	Diagnosis		Dairy
394	Mastitis detection in sheep by infrared thermography	2013	Res Vet Sci	Martins	7	McManus	BRA			U Rio Grande do Sul		Original	Field	Diagnosis		Dairy
395	Proteolysis and partial dephosphorylation of casein are affected by high somatic cell counts in sheep milk	2013	Food Res Inter	Pinto	9	Chianese	ITL			U Napoli		Original	Field	Effects		Dairy
396	Production and release of antimicrobial and immune defense proteins by mammary epithelial cells following Streptococcus uberis infection of sheep	2013	Infect Immun	Addis	10	Schianchi	ITL			Ponto Conto Research	U Sassari	Original	Field	Pathogenesis		Dairy
397	Energy, protein and mineral metabolism in Santa Ines ewes, both healthy and with subclinical mastitis	2013	Pesq Vet Brazil	da Silva	6	de Mendonca	BRA			U Pernambuco		Original	Field	Effects		Dairy
398	Staphylococcus aureus and Escherichia coli prevalence in ovine bulk tank milk	2013	Small Rumin Res	de Carnica	5	Gozalzo	ESP			U Leon		Original	Field	Aetiology		Dairy
399	Study on the possible survival of Staphylococcus chromogenes through the dry period in dairy ewes	2013	Small Rumin Res	Klissia	6	Boscos	GRE			Aristotle U Thessaloniki		Original	Field	Pathogenesis		Dairy

400	Analysis of somatic cell counts and risk factors associated with occurrence of bacteria in ewes of different primary purposes	2013	Liv Sci	Kern	4	Krieter	GER		U Kiel		Original	Field	Diagnosis	Dairy	Meat
401	Use of milk amyloid A in the diagnosis of subclinical mastitis in dairy ewes	2013	J Dairy Res	Miglio	7	Mareca	ITL		U Perugia	Inst Zooprofilattico Umbria e Marche	Original	Field	Diagnosis	Dairy	
402	Quantification of milk yield and composition changes as affected by subclinical mastitis during the current lactation in sheep	2013	J Dairy Sci	Marti de Olivos	4	Peris	ESP		U Miguel Hernandez	U Valencia	Original	Experimental	Effects	Dairy	
403	Clinical findings related to intramammary infections in meat-producing ewes	2014	Trop Anim Hlth and Prod	Blagitz	8	Della Libera	BRA		U Sao Paulo		Original	Field	Aetiology	Meat	
404	Risk factors, etiology and clinical aspects of mastitis in meat ewes of Parana, Brazil	2014	Prev Vet Health	Pereira	5	Lidboa	BRA		U Londrina		Original	Field	Aetiology	Risk factors	Meat
405	Prevalence, pathogenic capability, virulence genes, biofilm formation, and antibiotic resistance of <i>Listeria</i> in goat and sheep milk confirms need of hygienic milking conditions	2014	Pathogens Global Health	Ozman	4	Orabi	EGY		U Cairo		Original	Laboratory	Aetiology	Dairy	
406	Genetic parameters for somatic cell count, log ₁₀ CC and somatic cell score of breeds: improved Valaichian, Trigai, Lacauze and their crosses	2014	Acta Vet Beograd	Makovicky	5	Dlabekova	SLV		U Komarno	U Faval Josef Satrik	Original	Field	Risk factors	Diagnosis	Dairy
407	Trematode infections in pregnant ewes can predispose to mastitis during the subsequent lactation period	2014	Res Vet Sci	Mavrogiani	9	Fthenakis	GRE		U Thessaly		Original	Field	Risk factors	Dairy	
408	Mastitis in small ruminants	2014	Med Vet	Clechowicz	2	Jaskowski	POL		U Poznan		Review				
409	Administration of antibiotics to ewes at the beginning of the dry-period	2014	J Dairy Res	Petridis	2	Fthenakis	GRE		U Thessaly		Review				
410	Thermographic variation of the udder of dairy ewes in early lactation and following an <i>Escherichia coli</i> endotoxin intramammary challenge in late lactation	2014	J Dairy Sci	Castro-Costa	6	Agulto	ESP		U Barcelona		Original	Field	Diagnosis	Dairy	
411	Diagnosis of clinical or subclinical mastitis in ewes	2014	Small Rumin Res	Fraglou	3	Fthenakis	GRE		U Thessaly	Agricultural Organisation Dimitra Greece	Review				
412	The quality of Valle del Belice sheep's milk and cheese produced in the hot summer season in Sicily	2014	Dairy Sci Technol	Todaro	3	Scatassa	ITL		U Palermo	Inst Zooprofilattico Sicilia	Original	Field	Effects	Dairy	
413	Study on Correlation of Maedi-Visna Virus (MVV) with Ovine Subclinical Mastitis in Iran	2014	Int J Microbiol	Asadpour	4	Jafari	IRN		U Tabriz		Original	Field	Risk factors	Dairy	
414	Ewe characteristics associated with neonatal loss in Norwegian sheep	2014	Prev Vet Med	Holmoy	3	Grohn	NOR	USA	U Life Science Norway		Original	Field	Effects	Meat	
415	Associations of pre-lambing body condition score and serum beta-hydroxybutyric acid and non-esterified fatty acids concentrations with periparturient health of Chios dairy ewes	2014	Small Rumin Res	Katragiannis	8	Brossos	GRE		Aristotle Thessaloniki		Original	Field	Risk factors	Dairy	
416	Ultrasonographic findings in the ovine udder during involution	2014	J Dairy Res	Petridis	7	Fthenakis	GRE		U Thessaly		Original	Experimental	Pathogenesis	Dairy	
417	Identifying the major bacteria causing intramammary infections in individual milk samples of sheep and goats using traditional bacteria culturing and real-time polymerase chain reaction	2014	J Dairy Sci	Rovai	7	Leitner	ISR	ESP	Kimron Veterinary Institute	U Barcelona	Original	Laboratory	Aetiology	Dairy	
418	Comparison of bacteriological culture and PCR for detection of bacteria in ovine milk. Sheep are not small cows	2014	J Dairy Sci	Zadoks	7	Bullingall	GBR		Merdon Research Institute	U Glasgow	Original	Laboratory	Aetiology	Meat	
419	<i>Staphylococcus aureus</i> from 152 cases of bovine, ovine and caprine mastitis investigated by Multiple-locus variable number of tandem repeat analysis (MLVA)	2014	Vet Res	Bergonier	10	Vergrand	FRA		U Toulouse	INRA	Original	Laboratory	Aetiology	Dairy	
420	Sequence diversity, cytotoxicity and antigenic similarities of the leukotoxin of isolates of <i>Mannheimia</i> species from mastitis in domestic sheep	2014	Vet Microbiol	Onaleki	6	Markham	AUS		U Melbourne		Original	Laboratory	Aetiology	Meat	
421	Yields in the raw ewe's milk	2014	Acta Scient Vet	Spannberg	8	Suntarfo	BRA		U Rio Grande do Sul	U Santa Maria	Original	Field	Aetiology	Dairy	
422	Effects of lactation stage, lactation order and udder types on udder traits and composition of milk in Tui ewes	2015	Ank Univers Vet Fakül Derg	Sari	3	Özk	TUR		U Kafkas		Original	Field	Risk factors	Dairy	
423	Sheep milk: physical-chemical characteristics and microbiological quality	2015	Arq Latinoam Nutr	Merlin	7	de Santana	BRA		U North Parana		Original	Laboratory	Effects	Dairy	
424	Divergence of a strain of <i>Pseudomonas aeruginosa</i> during an outbreak of ovine mastitis	2015	Vet Microbiol	Wright	11	Wintanley	GBR		U Liverpool		Original	Laboratory	Aetiology	Meat	
425	Effects of intramammary antibiotic therapy during the dry period on the performance of Lacauze dairy sheep under intensive management	2015	J Dairy Res	Hernandez	7	Astiz	ESP		INIA	Graña Cerromonte	Original	Field	Control	Dairy	
426	Interactions between parasitic infections and reproductive efficiency in sheep	2015	Vet Parasitol	Fthenakis	4	Papadopoulos	GRE		U Thessaly	Aristotle U Thessaloniki	Review				
427	Effects of intramammary infection on whey proteotograms of sheep during lactation	2015	Prev Vet Health	Lemos	7	de Mendonca	BRA		U Pernambuco		Original	Field	Effects	Dairy	
428	Host-specificity of <i>Staphylococcus aureus</i> causing intramammary infections in dairy animals assessed by genotyping and virulence genes	2015	Vet Microbiol	Bar-Gal	6	Leitner	ISR		Kimron Veterinary Institute	Hebrew U Jerusalem	Original	Laboratory	Aetiology	Dairy	
429	Prevalence, genetic diversity, and antimicrobial susceptibility profiles of <i>Staphylococcus aureus</i> isolated from bulk tank milk from Greek traditional ovine farms	2015	Small Rumin Res	Zdragou	10	Laika	GRE		Agricultural Organisation Dimitra Greece	TEI Thessaloniki	Original	Laboratory	Aetiology	Dairy	
430	Effect of subclinical intramammary infection on milk quality in dairy sheep: 1. Fresh-soft cheese produced from milk of uninfected and infected glands and from their blends	2015	Small Rumin Res	Rovai	5	Leitner	ISR		Kimron Veterinary Institute	U Barcelona	Original	Field	Effects	Dairy	
431	Relationship of somatic cell count and composition and coagulation properties of ewe's milk	2015	Mljikarstvo	Villalobos	7	da Cunha	ESP		U Cordoba		Original	Field	Effects	Dairy	
432	Clonal profile, virulence and resistance of <i>Staphylococcus aureus</i> isolated from sheep milk	2015	Braz J Microbiol	Martins	9	da Cunha	BRA		U Paulista		Original	Laboratory	Aetiology	Dairy	
433	Effect of subclinical intramammary infection on milk quality in dairy sheep: II. Matured-pressed cheese (Manchego) produced from milk of uninfected and infected glands and from their blends	2015	Small Rumin Res	Rovai	10	Leitner	ISR	ESP	Kimron Veterinary Institute	U Barcelona	Original	Field	Effects	Dairy	
434	Genetic selection for reduced somatic cell counts in sheep milk: a review	2015	Small Rumin Res	Riggio	2	Portolano	NRD	ITL	U Wageningen	U Palermo	Review				
435	Complete genome sequence of <i>Corynebacterium jeikeium</i> DSM 44610, isolated from the milk of a Manchego sheep with subclinical mastitis	2015	Microbiol Resour Announc	Ruckert	4	Tauch	GER	USA	U Hohenheim	Massachusetts Institute of Technology	Original	Laboratory	Aetiology	Dairy	
436	Effect of automatic cluster removes on milking efficiency and udder condition of Manchego ewes	2015	J Dairy Sci	Buaso-Rodenas	5	Diaz	ESP		U Miguel Hernandez		Original	Laboratory	Risk factors	Dairy	
437	Neutrophil extracellular traps in sheep mastitis	2015	Vet Res	Pisani	9	Addis	ITL		Ponto Comic Reseach		Original	Laboratory	Pathogenesis	Dairy	
438	Prevalence and antimicrobial resistance of <i>Staphylococcus aureus</i> isolated from raw milk and dairy products	2015	Food Control	Jamali	5	Dadrassia	MAL		U Malaya		Original	Laboratory	Aetiology	Treatment	Dairy
439	Is udder ultrasonography a diagnostic tool for subclinical mastitis in sheep?	2015	Small Rumin Res	Hussein	3	Malik	EGY		U Assiut		Original	Field	Diagnosis	Dairy	
440	Composition, proteolysis indices and coagulating properties of ewe milk as affected by bulk tank somatic cell count	2015	J Dairy Res	Marti De Olivos	5	Molina	ESP		U Miguel Hernandez	U Valencia	Original	Laboratory	Effects	Dairy	
441	Pregnancy toxemia as predisposing factor for development of mastitis in sheep during the immediately post-partum period	2015	Small Rumin Res	Barbagliani	10	Fthenakis	GRE		U Thessaly		Original	Experimental	Risk factors	Dairy	
442	Prevalence and etiology of subclinical mastitis in dairy ewes in two seasons in Semnan province	2015	Trop Anim Hlth and Prod	Sani	3	Mozafari	IRN		U Semnan	U Tehran	Original	Field	Aetiology	Epidemiology	Dairy
443	Bacterial species and their associations with acute and chronic mastitis in suckler ewes	2015	J Dairy Sci	Smith	6	Green	GBR		U Warwick		Original	Field	Aetiology	Meat	
444	The effect of health status of the udder on plasminogen activator activity of milk somatic cells in ovine milk	2015	Small Rumin Res	Charismanidou	5	Poliitis	GRE		Agricultural U Athens		Original	Field	Pathogenesis	Dairy	
445	A point mutation in suppressor of cytokine signalling 2 (SOCS2) increases the susceptibility to inflammation of the mammary gland while associated with higher body weight and size and higher milk production in a sheep model	2015	Flav Gen	Rupp	14	Tosser-Klopp	FRA		INRA	U Toulouse	Original	Field	Risk factors	Dairy	
446	The upper respiratory tract is a natural reservoir of haemolytic <i>Mannheimia</i> species associated with ovine mastitis	2015	Vet Microbiol	Onaleki	5	Barber	AUS		U Melbourne		Original	Field	Aetiology	Meat	
447	Mastitis in sheep: The last 10 years and the future of research	2015	Vet Microbiol	Gelasakis	5	Fthenakis	GRE		U Thessaly		Review				
448	Vaccination schedules in small ruminant farms	2015	Vet Microbiol	Lacasta	6	Fthenakis	ESP	GRE	U Zaragoza	U Thessaly	Review				
449	Use of proteomics in the study of microbial diseases of small ruminants	2015	Vet Microbiol	Katsafadou	4	Fthenakis	GRE		U Thessaly		Review				
450	Genetic resistance to infections in sheep	2015	Vet Microbiol	Bishop	1		GBR		U Edinburgh		Review				
451	Evaluating coagulation properties of milk from dairy sheep with subclinical intramammary infection using near infrared light scatter: A preliminary study	2016	J Food Eng	Abdeljawad	5	Castillo	ESP	EGY		U Fayoum		Original	Field	Effects	Dairy
452	Microbiological quality of raw milk in the Czech republic	2016	Czech J Food Sci	Bogdanovicova	6	Karpiškova	CZE		U Brno	Inst Veterinary Research Czechia	Original	Field	Effects	Dairy	
453	Physiological threshold of somatic cell count in milk of Polish health sheep and Polish lowland sheep	2016	Ann Anim Sci	Swiderski	5	Wierzbala	POL		U Warsaw	Academy of Sciences Poland	Original	Field	Diagnosis	Meat	
454	New rapid method of DNA isolation from milk somatic cells	2016	Anim Biotechnol	Pukonska	5	Malakisa	POL		U Krakow		Original	Laboratory	Pathogenesis	Dairy	Meat
455	Response to dietary-induced energy restriction in dairy sheep divergently selected for resistance or susceptibility to mastitis	2016	J Dairy Sci	Bouvier-Muller	9	Rupp	FRA		INRA	U Toulouse	Original	Field	Risk factors	Dairy	
456	Relationships between somatic cell count and certain udder and test echo-morphometric measurements in mastitis caused by <i>Staphylococcus aureus</i> in Anadol sheep	2016	Rev Med Vet	Ismail	3	Al-Shayab	JOD		Jordan U Science Technology		Original	Field	Risk factors	Dairy	
457	Development and test of a portable device to monitor the health status of Sarda breed sheep by the measurement of the milk electrical conductivity	2016	Ital J Anim Sci	Caria	5	Tozzona	ITL		U Sassari		Original	Field	Diagnosis	Dairy	
458	Seasonal dynamics and possible development of total count of microorganisms in sheep's milk	2016	Acta Vet Brno	Klansova	10	Vondruskova	CZE		Inst Dairy Research Czechia		Original	Field	Effects	Dairy	
459	Relationship of litter size with milk yield, udder morphology and udder health of East Friesian sheep	2016	J Central Europ Agric	Pijic	4	Mioc	CRO		U Zagreb		Original	Field	Risk factors	Dairy	
460	Comparative study on stress traits and reproductive efficiency in Turcana and Trigai ewes	2016	Scient Papers D	Gavojdan	4	Kusza	ROM		Inst Res and Dev Sheep & Goats		Original	Field	Risk factors	Dairy	
461	Prevalence and molecular characterization of staphylococci isolated from sheep with subclinical mastitis in West-Azerbaijan province, Iran	2016	Vet Res Forum	Rahman	4	Ardebili	IRN		U Urmia		Original	Field	Aetiology	Dairy	
462	A cross-sectional study of 329 farms in England to identify risk factors for ovine clinical mastitis	2016	Prev Vet Med	Cooper	5	Green	GBR		U Warwick		Original	Field	Risk factors	Meat	
463	Development of a facial expression scale using forehead and mastitis as models of pain in sheep	2016	Appl Anim Behav Sci	McLennan	6	Constantino-Casas	GBR		U Cambridge		Original	Field	Effects	Meat	
464	Clinical evaluation of the use of enrofloxacin against <i>Staphylococcus aureus</i> clinical mastitis in sheep	2016	Small Rumin Res	Ahili	6	Culeri	ITL		U Camerino		Original	Field	Treatment	Dairy	
465	Association study between beta-defensin gene polymorphisms and mastitis resistance in Valle del Belice dairy sheep breed	2016	Small Rumin Res	Tokoue	7	Portolano	ITL		U Palermo		Original	Field	Risk factors	Dairy	
466	<i>Staphylococcus aureus</i> isolates from goat and sheep milk seem to be closely related and differ from isolates detected from bovine milk	2016	Front Microbiol	Merz	3	Jöhler	SWI		U Zurich		Original	Laboratory	Aetiology	Dairy	

467	Effect of farm characteristics and practices on hygienic quality of ovine raw milk used for artisan cheese production in central Italy	2016	Anim Sci J	Carloni	7	Tonacci	ITL	U Urbino	Inst Zooprofilattico Umbria e Marche	Original	Field	Effects		Dairy	
468	A longitudinal study of factors associated with acute and chronic mastitis and their impact on lamb growth rate in 10 suckler sheep flocks in Great Britain	2016	Prev Vet Med	Grant	3	Green	GBR	U Warwick		Original	Field	Risk factors	Effects	Meat	
469	Diagnosis of subclinical mastitis in Santa Ines and Morada Nova sheep in southeastern Brazil	2016	Trop Anim Hlth and Prod	Zafalon	4	Fim	BRA	U Sao Paulo	Agricultural Research Organisation Brazil	Original	Field	Diagnosis		Dairy	
470	Somatic cell counts, chemical composition and coagulation properties of goat and sheep bulk tank milk	2016	Int Dairy J	Leitner	5	Merin	ISR	Kimron Veterinary Institute	Afmmk Israel	Original	Field	Effects		Dairy	
471	Assessment of genetic variation for pathogen-specific mastitis resistance in Valle del Belice dairy sheep	2016	BMC Vet Res	Tolone	6	Pertolano	ITL	U Palermo		Original	Field	Risk factors		Dairy	
472	Characterization of Staphylococcus aureus isolates from raw milk sources in Victoria, Australia	2016	BMC Microbiol	McMillan	5	Fox	AUS	CSIRO		Original	Field	Effects		Dairy	
473	Evaluation of milk cathelicidin for detection of dairy sheep mastitis	2016	J Dairy Sci	Addis	10	Uzzau	ITL	Punto Conte Research	U Sassari	Original	Field	Diagnosis		Dairy	
474	Survey on small ruminant bacterial mastitis in Italy, 2013-2014	2016	Small Rumin Res	Done	13	Canau	ITL	Inst Zooprofilattico Sardegna		Original	Field	Aetiology		Dairy	
475	Molecular epidemiology of an outbreak of clinical mastitis in sheep caused by Mannheimia haemolytica	2016	Vet Microbiol	Omakdi	5	Barber	AUS	U Melbourne	Ministry of Agriculture Australia	Original	Laboratory	Aetiology	Epidemiology	Meat	
476	Use of nanoparticulated antimicrobials to treat subclinical mastitis of ewes during the dry period	2016	Prev Vet Med	Santana	8	Mosquetra	BRA	Agricultural Research Organisation Brazil	U Ouro Preto	Original	Field	Control		Dairy	
477	Predisposing factors and control of bacterial mastitis in dairy ewes	2016	J Hill Vet Med Soc	Bramis	5	Aranos	GRE	Aristotle U Thessaloniki		Review				Dairy	
478	Influence of lactation stages and rain periods on subclinical mastitis in meat producing ewes	2016	Cenc Rural	Zafalon	6	Santana	BRA	Agricultural Research Organisation Brazil		Original	Field	Risk factors		Meat	
479	Characterization of resistance to tetracyclines and aminoglycosides of sheep mastitis pathogens: study of the effect of gene content on resistance	2016	J Appl Microbiol	Lollai	4	Piras	ITL	Inst Zooprofilattico Sardegna	Mastitis Reference Centre Italy	Original	Laboratory	Treatment		Dairy	
480	Effect of management factors on reproductive and milk production performance of a dairy sheep breed adapted to low-input management systems	2017	J Hill Vet Med Soc	Tranidakis	6	Kiosis	GRE	Aristotle U Thessaloniki	Agricultural Organisation Dimitra Greece	Original	Field	Risk factors		Dairy	
481	Correlation between total bacterial and somatic cell counts in bulk tank ewes' milk	2017	J Food Nutr Res	Klimosova	9	Vondrakova	SLK	Inst Dairy Research Czechia		Original	Field	Diagnosis		Dairy	
482	Comparison of biofilm formation by Staphylococcus aureus and Staphylococcus epidermidis strains isolated from sheep milk using three diagnostic methods	2017	Int J Vet Sci	Vautl	5	Zigo	SLK	U Kosice		Original	Laboratory	Aetiology		Dairy	
483	Relationship of mammary gland health status and other nutrition factors with electrical conductivity of milk in Manchego ewes	2017	J Dairy Sci	Romero	5	Diaz	ESP	U Miguel Hernandez		Original	Field	Diagnosis		Dairy	
484	Characteristics of resistance and virulence factors in different species of coagulase-negative staphylococci isolated from milk of healthy sheep and animals with subclinical mastitis	2017	J Dairy Sci	Martins	8	Curba	BRA	U Paulista		Original	Laboratory	Aetiology		Dairy	
485	Occurrence of mastitis and associated pathogens with antiogram in animal population of Peshawar, Pakistan	2017	Thaj J Vet Med	Rafullah	8	Khan	PAK	Veterinary Research Inst Pakistan		Original	Field	Aetiology	Treatment	Dairy	
486	Serum concentrations of acute phase proteins in goats and ewes with naturally acquired Staphylococcus aureus mastitis	2017	Arq Bras Med Vet Zoot	Simplicio	6	Fagliari	BRA	U Paulista		Original	Field	Pathogenesis		Dairy	
487	Bacteriological quality and occurrence of some microbial pathogens in goat's and ewe's milk in Egypt	2017	Int Food Res J	Omharak	2	Elbagy	EGY	U Sadat City		Original	Field	Aetiology		Dairy	
488	Susceptibility and PK/PD relationships of Staphylococcus aureus strains from ovine and caprine with clinical mastitis against five veterinary fluoroquinolones	2017	Vet Rec	Serrano-Rodriguez	6	Fernandez-Vazou	ESP	U Cordoba	U Murcia	Original	Laboratory	Treatment		Dairy	
489	B-Mode ultrasonography of mammary glands in dairy ewes during the lactation period	2017	Revis Cientif	Makovicky	3	Margetin	SLK	U J Seby	Agricultural U Slovakia	Inst Research Animal Production Slovakia	Original	Field	Diagnosis		Dairy
490	Antimicrobial susceptibility and genotyping of Staphylococcus aureus isolates collected between 1986 and 2015 from ovine mastitis	2017	Vet Microbiol	Azara	4	Toia	ITL	Inst Zooprofilattico Sardegna		Original	Laboratory	Aetiology	Treatment	Dairy	
491	Ultrasonographic examination of the udder in sheep	2017	Small Rumin Res	Barbagliani	5	Petridis	GRE	U Thessaly		Review				Dairy	
492	Cathelicidin production and release by mammary epithelial cells during infectious mastitis	2017	Vet Immunol Immunopathol	Cubeddu	11	Addis	ITL	Punto Conte Research	U Sassari	U Milan	Original	Field	Pathogenesis		Dairy
493	Effects of intramammary infusion of sage (Salvia officinalis) essential oil on milk somatic cell count, milk composition parameters and selected hematology and serum biochemical parameters in Awassi sheep with subclinical mastitis	2017	Vet World	Alakish	5	Qasrta	JOD	Jordan U Science Technology		Original	Field	Control		Dairy	
494	Prevalence and aetiology of sheep mastitis in Alentejo region of Portugal	2017	Small Rumin Res	Qasrta	1	PORE	GRE	U Evros		Original	Field	Aetiology	Epidemiology	Dairy	
495	Biofilm formation and virulence factor analysis of Staphylococcus aureus isolates collected from ovine mastitis	2017	J Appl Microbiol	Azara	4	Toia	ITL	Inst Zooprofilattico Sardegna		Original	Laboratory	Pathogenesis		Dairy	
496	The genomic architecture of mastitis resistance in dairy sheep	2017	BMC Genomics	Banos	10	Paldit	GBR	U Edinburgh	Aristotle U Thessaloniki	U London	Original	Field	Risk factors		Dairy
497	Somatic cell counts in raw ewe's milk in dairy practices: frequency of distribution and possible effect on milk yield and composition	2017	Mjpkarstvo	Tacin	6	cravova	SLK	Agricultural U Slovakia	Inst Research Animal Production Slovakia	Original	Field	Diagnosis	Effects	Dairy	
498	Prevalence and characterization of methicillin-resistant Staphylococcus aureus carrying mecA or mecC and methicillin-susceptible Staphylococcus aureus in dairy sheep farms in central Italy	2017	J Dairy Sci	Giucinti	13	Battisti	ITL	Inst Zooprofilattico Lazio e Toscana		Original	Laboratory	Treatment		Dairy	
499	Gastrointestinal trichostromylosis can predispose ewes to clinical mastitis after experimental mammary infection	2017	Vet Parasitol	Mavrogianis	8	Fthenakis	GRE	U Thessaly		Original	Experimental			Dairy	
500	Intramammary infections and somatic cell counts in meat and pelt producing ewes with clinically healthy udders	2017	Small Rumin Res	Persson	5	Walker	SWE	National Veterinary Institute Sweden	U Uppsala	Vaxa Sweden	Original	Field	Effects		Meat
501	Microbial agents in macroscopically healthy mammary gland tissues of small ruminants	2017	Peer J	Spurria	15	Cappucco	ITL	U Turin		Original	Field	Aetiology		Dairy	
502	Intramammary infusion of a live culture of Lactococcus lactis in ewes to treat Staphylococcal mastitis	2017	J Med Microbiol	Mignacca	14	Marianelli	ITL	Inst Zooprofilattico Sicilia	Institute of Health Italy	Original	Field	Treatment		Dairy	
503	Differential microbiological quality of sheep milk from bulk tank	2018	Rev Sci	Jimenez-Sobrinio	5	Artaas-Sanchez	ESP	INDIA		Original	Field	Effects		Dairy	
504	The relationship between somatic cells and milk traits, and their variation in dairy sheep breeds in Slovakia	2018	J Anim Feed Sci	Oravcova	3	Tancin	SLK	Agricultural U Slovakia	Inst Research Animal Production Slovakia	Original	Field	Risk factors		Dairy	
505	Somatic cell count in the diagnosis of subclinical mastitis in sheep of different breeds	2018	Semina Cim Agrar	Zafalon	4	Fim	BRA	U Paulista	Agricultural Research Organisation Brazil	Original	Field	Diagnosis		Dairy	
506	Antimicrobial activity of essential oils of lamiaceae aromatic species towards sheep mastitis-causing Staphylococcus aureus and Staphylococcus epidermidis	2018	J Essential Oil Bearing Plants	Qasrta	5	Martins	PORE	U Evros		Original	Field	Control		Dairy	
507	Antibacterial effect of Czech and Manuka honey on selected mastitis pathogens	2018	Acta Vet Brno	Klimosova	3	Nejsachlebova	CZE	Inst Dairy Research Czechia		Original	Field	Treatment		Dairy	
508	The effects on contagious mastitis pathogens in bulk tank on physicochemical properties of Iranian white cheese	2018	Karpatian J Food Sci Technol	Ghoisari	5	Roozbahani	IRN	U Shiraz		Original	Field	Effects		Dairy	
509	Bacteriological cure rate and changes in milk composition in mastitis vaccinated ewes affected with subclinical mastitis	2018	Vet World	Alakish	6	Olymat	JOD	Jordan U Science Technology		Original	Field	Control		Dairy	
510	Risk factors of teat-end hyperkeratosis and its association with udder health in dairy ewes	2018	J Dairy Res	Vouraki	4	Aranos	GRE	Aristotle U Thessaloniki		Original	Field	Risk factors		Dairy	
511	Use of contrast-enhanced ultrasonographic examination to evaluate health status of mammary glands of ewes at the end of a lactation period	2018	J Dairy Res	Mantziras	8	Barbagliani	GRE	U Thessaly	Air Force Greece	Original	Field	Diagnosis		Dairy	
512	First description in Greece of mprC-positive staphylococci causing subclinical mastitis in ewes	2018	Microbial Drug Res	Papagiannidis	8	Petnaki	GRE	U Thessaly	CZE	Original	Laboratory	Treatment		Dairy	
513	Somatic cell count-based selection reduces susceptibility to energy shortage during early lactation in a sheep model	2018	J Dairy Sci	Bouvier-Muller	7	Rupp	FRA	U Toulouse	INRA	Original	Field	Risk factors		Dairy	
514	Isolation and identification of bacteria causing mastitis in small ruminants and their susceptibility to antibiotics, honey, essential oils, and plant extracts	2018	Vet World	Abdalthamed	3	Abou Zeina	EGY	Nation Research Institute Egypt		Original	Laboratory	Treatment		Dairy	
515	Relationship between virulence factor genes in coagulase-negative Staphylococcus spp. and failure of antimicrobial treatment of subclinical mastitis in sheep	2018	Prev Vet Med	Zafalon	8	Pilon	BRA	U Paulista	Agricultural Research Organisation Brazil	Original	Laboratory	Treatment		Dairy	
516	Phenotypic and genetic relationships between indicators of the mammary gland health status and milk composition, coagulation, and curd firming in dairy sheep	2018	J Dairy Sci	Pazola	6	Vacca	ITL	U Sassari		Original	Field	Risk factors		Dairy	
517	Determination of milk production losses and variations of fat and protein percentages according to different levels of somatic cell count in Valle del Belice dairy sheep	2018	Small Rumin Res	Sutera	6	Tolone	ITL	U Palermo		Original	Field	Effects		Dairy	
518	Antibiotic-resistant, enterotoxin gene profiles and farm-level prevalence of Staphylococcus aureus in cow, sheep and goat bulk tank milk in Jordan	2018	Int Dairy J	Obaidat	4	Al-Hakimi	JOD	Jordan U Science Technology		Original	Laboratory	Treatment		Dairy	
519	The mammary microenvironment in mastitis in humans, dairy ruminants, rabbits and rodents: a one health focus	2018	J Mammary Gland Biol Neopl	Haeghs	2	Watson	GBR	U Cambridge		Review				Dairy	
520	Association between polymorphism of ABCG2 gene and somatic cell count in Czech dairy sheep breeds	2018	Med Vet	Hofmannova	6	Stivalova	CZE	Inst Animal Science Czechia		Original	Field	Risk factors		Dairy	
521	Extensive countrywide field investigation of subclinical mastitis in sheep in Greece	2018	J Dairy Sci	Vasilicou	13	Fthenakis	GRE	U Thessaly		Original	Field	Aetiology	Epidemiology	Dairy	
522	Association of subclinical mastitis prevalence with sheep breeds in Greece	2018	J Dairy Res	Vasilicou	8	Fthenakis	GRE	U Thessaly		Original	Field	Risk factors		Dairy	
523	Reference values for serum amyloid A, haptoglobin, lysozyme, zinc and iron in healthy lactating Lacune sheep	2018	Acta Vet Scand	Mysliore	6	Felici	ITL	U Perugia	Inst Zooprofilattico Umbria e Marche	Original	Laboratory	Pathogenesis		Dairy	
524	Diagnostic evaluation of milk lactate dehydrogenase and alkaline phosphatase activities by receiver operating characteristic analysis curve in early lactation of ewes with subclinical mastitis	2018	Vet Res Forum	Sani	4	Kalshouzan	IRN	U Semnan		Original	Laboratory	Diagnosis		Dairy	
525	Factors affecting ewe somatic cell count and its relationship with lamb weaning weight in extensively managed flocks	2018	Translatinal Anim Sci	Murthy	3	Taylor	USA	U Montana State	Ministry of Agriculture USA	Original	Field	Risk factors	Effects	Meat	
526	Local and systemic humoral response to ovine mastitis caused by Staphylococcus epidermidis	2018	Sage Open Med	Qasrta	1	PORE	GRE	U Evros		Original	Laboratory	Pathogenesis		Dairy	
527	Detection of quantitative trait loci and putative causal variants affecting somatic cell count in dairy sheep by using a 50K SNP chip and whole-genome sequencing	2018	J Dairy Sci	Gutierrez-Gil	4	Araiza	ESP	U Leon		Original	Laboratory	Risk factors		Dairy	
528	Udder types and associated traits affect milk composition and subclinical mastitis in Karayaka sheep	2018	Int J Anim Sci	Akdag	6	Demir	TUR	U Ondokuz Mayis	U Cerrahpasa	Original	Field	Risk factors		Dairy	
529	Antimicrobial resistance in mastitis, respiratory and enteric bacteria isolated from ruminant animals from the Atlantic Provinces of Canada from 1994-2013	2018	Can Vet J	Awosile	4	McClure	CDN	U Prince Edward Island		Original	Laboratory	Treatment		Dairy	
530	In vitro antibacterial effects of zinc oxide nanoparticles on multiple drug-resistant strains of Staphylococcus aureus and Escherichia coli: an alternative approach for antibacterial therapy of mastitis in sheep	2018	Vet World	Alakish	4	Nawasrah	JOD	Jordan U Science Technology		Original	Field	Treatment		Dairy	
531	Slime-producing staphylococci as causal agents of subclinical mastitis in sheep	2018	Vet Microbiol	Vasilicou	9	Fthenakis	GRE	U Thessaly		Original	Field	Aetiology	Epidemiology	Dairy	
532	Lactoferrin and IgG levels in ovine milk throughout lactation: Correlation with milk quality parameters	2018	Small Rumin Res	Navaro	7	Sanchez	ESP	U Zaragoza	U Los Andes	Original	Laboratory	Diagnosis		Dairy	
533	Sheep mastitis Staphylococcus epidermidis biofilm effects on cell adhesion and inflammatory changes	2018	Small Rumin Res	Qasrta	3	Larajo	PORE	U Evros		Original	Laboratory	Pathogenesis		Dairy	

534	Milk cellularity and intramammary infections in primiparous and multiparous Lacune ewes during early lactation	2018	Small Rumin Res	Takano	12	Blagitz	BRA	U Sao Paulo		Original	Field	Epidemiology	Diagnosis	Dairy	
535	New mastitis phenotypes suitable for genomic selection in meat sheep and their genetic relationships with udder conformation and lamb live weights	2018	Animal	McLaren	6	Conington	GBR	Scotland's Rural College		Original	Field	Risk factors		Meat	
536	Mammary gland health of Santa Ines ewes at the drying and postpartum and evaluation of a dry-off therapy with gentamicin	2018	Prev Vet Biotech	Pewira	8	Muller	BRA	U Londrina		Original	Field	Control		Dairy	
537	Use of geographical information system and ecological niche modelling for predicting potential space distribution of subclinical mastitis in ewes	2019	Vet Microbiol	Giamonopoulos	10	Fibrenakis	GRE	U Thessaly		Original	Field	Epidemiology	Risk factors	Dairy	
538	Field evidence for association between increased gastrointestinal nematode burden and subclinical mastitis in dairy sheep	2019	Vet Parasitol	Koondalis	7	Fibrenakis	GRE	U Thessaly		Original	Field	Risk factors		Dairy	
539	Associations between lamb growth to weaning and dam udder and teat scores	2019	NZ Vet J	Griffiths	5	Konyon	NZL	U Massey		Original	Field	Effects		Meat	
540	Investigating associations between lamb survival to weaning and dam udder and teat scores	2019	NZ Vet J	Griffiths	5	Konyon	NZL	U Massey		Original	Field	Effects		Meat	
541	Milk electrical conductivity in Marchega ewes: variation throughout milking and relation with mammary gland health status	2019	Czech Anim Sci	Roca	5	Diaz	ESP	U Miguel Hernandez		Original	Field	Diagnosis		Dairy	
542	Efficacy of a tripartite-4-ol based dipping for post-milking teat disinfection in the prevention of mastitis in dairy sheep	2019	J Esential Oil Res	Done	7	Canasas	ITL	Mastitis Reference Centre Italy		Original	Field	Control		Dairy	
543	Study of potential environmental factors predisposing ewes to subclinical mastitis in Greece	2019	Comp Immunol Microbiol Inf Dis	Vasileiou	10	Fibrenakis	GRE	U Thessaly		Original	Field	Risk factors		Dairy	
544	An approach for the estimation of somatic cell effect in Sarda sheep milk based on the analysis of milk traits and coagulation properties	2019	Small Rumin Res	Paschito	4	Pazzola	ITL	U Sassari		Original	Field	Effects		Dairy	
545	Antimicrobial susceptibility pattern to disinfectants in Pseudomonas aeruginosa strains isolated from dairy sheep breeds in Sardinia	2019	Large Anim Rev	Scano	12	Liciardi	ITL	U Cagliari	Inst Zooprofilattico Sardegna		Original	Laboratory	Control		Dairy
546	A validation study of loci associated with mastitis resistance in two French dairy sheep breeds	2019	Gen Sel Evol	Oget	9	Rupp	FRA	U Toulouse		Original	Field	Risk factors		Dairy	
547	Antimicrobial agent susceptibility and typing of staphylococcal isolates from subclinical mastitis in ewes	2019	Microbiol Drug Res	Vasileiou	8	Fibrenakis	GRE	U Thessaly		Original	Laboratory	Treatment		Dairy	
548	Biofilm production, quorum sensing system and analysis of virulence factors of Staphylococcus epidermidis collected from sheep milk samples	2019	Small Rumin Res	Abbondio	5	Toda	ITL	Inst zooprofilattico Sardegna		Original	Laboratory	Pathogenesis		Dairy	
549	Differences between Staphylococcus aureus lineages isolated from ovine and caprine mastitis but not between isolates from clinical or subclinical mastitis	2019	J Dairy Sci	Hoskstra	6	Koop	NLD	U Utrecht		Original	Laboratory	Aetiology		Dairy	
550	Proteomic analysis of mammary glands provide insight into the immunity and metabolism pathways associated with clinical mastitis in meat sheep	2019	Animals	Gao	6	Ma	CHN	U Gansu	Labor Sheep Breeding Gansu China		Original	Laboratory	Pathogenesis		Meat
551	Antimicrobial resistance and distribution of Staphylococcus spp. pulsed types isolated from goat and sheep bulk tank milk in Southern Spain	2019	Foodborne Pathog Dis	Barrero-Dominguez	7	Astorga	ESP	U Cordoba		Original	Laboratory	Treatment		Dairy	
552	Comparative evaluation of metallic skin staples or polypropylene sutures for primary closure of teat wounds in sheep	2019	NZ Vet J	Tsidi	9	Galatos	GRE	U Thessaly		Original	Experimental	Treatment		Dairy	
553	Genetic and genomic studies in ovine mastitis	2019	Small Rumin Res	Oget	3	Rupp	FRA	INRA		Review					
554	Somatic cell counts in sheep milk	2019	Small Rumin Res	Albenzio	6	Santillo	ITL	U Foggia		Review					
555	Milking routines and cluster detachment levels in small ruminants	2019	Animal	Dzadic	5	Mariet	CRO	U Zagreb	Agrocampus Osijek		Review				
556	Digital gene expression analyses of mammary glands from meat ewes naturally infected with clinical mastitis	2019	J Soc Open Sci	Li	4	Ma	CHN	U Gansu		Original	Laboratory	Risk factors		Meat	
557	The relationship between lactoferrin gene polymorphism and subclinical mastitis in Awassi ewes	2019	J Anim Plant Sci	Alkhalid	4	Alshabhat	JOD	Jordan U Science Technology		Original	Field	Risk factors		Dairy	
558	Heritability of phenotypic udder traits to improve resilience to mastitis in Texel ewes	2019	Animal	Crump	5	Green	GBR	U Warwick		Original	Field	Risk factors		Meat	
559	Role of staphylococci in mastitis in sheep	2019	J Dairy Res	Vasileiou	8	Fibrenakis	GRE	U Thessaly		Review					
560	Proteomics data of ovine mastitis associated with Mannheimia haemolytica	2019	D Brief	Katsafadou	9	Fibrenakis	GRE	U Thessaly	Academy Athens Greece		Original	Field	Pathogenesis		Dairy
561	Differential quantitative proteomics study of experimental Mannheimia haemolytica mastitis in sheep	2019	J Proteom	Katsafadou	9	Fibrenakis	GRE	U Thessaly	Academy Athens Greece		Original	Experimental	Pathogenesis		Dairy
562	Predisposing factors for bacterial mastitis in ewes	2019	Reprod Dom Anim	Vasileiou	4	Fibrenakis	GRE	U Thessaly		Review					
563	Use of proteomics in the study of mastitis in ewes	2019	Pathogens	Katsafadou	3	Fibrenakis	GRE	U Thessaly		Review					
564	Anti-staphylococcal biofilm antibodies in ewes and association with subclinical mastitis	2019	Small Rumin Res	Vasileiou	6	Fibrenakis	GRE	U Thessaly		Original	Laboratory	Pathogenesis		Dairy	
565	Bulk tank somatic cell count and total bacterial count are affected by target practices and milking machine features in dairy sheep flocks in Castilla y Leon region, Spain	2019	Small Rumin Res	Gonzalo	4	de la Fuente	ESP	U Leon		Original	Field	Risk factors		Dairy	
566	Alternative methods improve the accuracy of genomic prediction using information from a causal point mutation in a dairy sheep model	2019	BMC Genomics	Oget	5	Rupp	FRA	U Toulouse	INRA		Original	Field	Risk factors		Dairy
567	Evaluation of efficacy of a biofilm-embedded bacteria-based vaccine against staphylococcal mastitis in sheep-A randomized, placebo-controlled field study	2019	J Dairy Sci	Vasileiou	15	Fibrenakis	GRE	U Thessaly		Original	Field	Control		Dairy	
568	Metatransomic and immunological analysis of milk from ewes with or without a history of mastitis	2019	J Dairy Sci	Castro	8	Rodriguez	ESP	U Madrid		Original	Laboratory	Risk factors	Pathogenesis		Dairy
569	Gelsolin expression in sheep milk somatic cells during lactation	2019	Animal	Napolitano	8	Marchitelli	ITL	National Research Council Italy		Original	Laboratory	Risk factors		Dairy	
570	Mammary defenses and immunity against mastitis in sheep	2019	Animals	Katsafadou	7	Fragkou	GRE	U Thessaly		Review					
571	Clinical and subclinical intramammary infection caused by coagulase negative staphylococci negatively affect milk yield and its quality in dairy sheep	2019	Small Rumin Res	Leitner	3	Merin	ISR	Kimron Veterinary Institute	Agri Research Organisation Israel		Review				
572	Interactions between parasitism and milk production - mastitis in sheep	2019	Small Rumin Res	Vasileiou	7	Papadopoulos	GRE	U Thessaly	Arisekio U Thessaloniki		Review				
573	Comparison of PCR-RFLP, API (R) 20 Strip and MALDI-TOF MS for identification of Streptococcus spp. collected from sheep and goat milk samples	2019	Small Rumin Res	Rosa	4	Toda	ITL	Inst zooprofilattico Sardegna		Original	Laboratory	Aetiology		Dairy	
574	Udder surgery in ewes	2019	Small Rumin Res	Tsidi	2	Fibrenakis	GRE	U Thessaly		Review					
575	Mammary involution and relevant udder health management in sheep	2019	Small Rumin Res	Petridis	2	Fibrenakis	GRE	U Thessaly		Review					
576	Mastitis in ewes: somatic cell counts, pathogens and antibiotic resistance	2019	J Microbiol Biotechnol Food Sci	Tvarozkova	5	Macuhova	SLV	Agricultural U Slovakia	Inst Research Animal Production Slovakia		Review				
577	Subclinical mastitis in Lacune sheep: causative agents, impacts on milk production, milk quality, oxidative profiles and treatment efficacy of cellulase	2019	Microb Pathogen	Alba	10	da Silva	BRA	U Santa Catarina		Original	Field	Aetiology	Treatment	Dairy	
578	Experimental study for evaluation of the efficacy of a biofilm-embedded bacteria-based vaccine against Staphylococcus chromogenes-associated mastitis in sheep	2019	Vet Microbiol	Vasileiou	13	Fibrenakis	GRE	U Thessaly		Original	Experimental	Control		Dairy	
579	Detection of cathelicidin-1 in the milk as an early indicator of mastitis in ewes	2019	Pathogens	Katsafadou	12	Fibrenakis	GRE	U Thessaly	Academy Athens Greece		Original	Experimental	Diagnosis		Dairy
580	Subclinical mastitis in sheep: etiology and association with milk somatic cell count and ewe productivity in three research flocks in the Western United States	2019	Translational Anim Sci	Kiuth	10	Murphy	USA	U Montana State	Ministry of Agriculture USA		Original	Field	Aetiology	Effects	Dairy

Table S2. Alphabetical list of countries from which papers on ovine mastitis have been published during the period 1970 - 2019.

Country	No. papers published	Country	No. papers published
Algeria	1	Italy	78
Argentina	1	Jordan	12
Australia	24	Malaysia	1
Austria	17	The Netherlands	9
Bangladesh	1	Norway	8
Brazil	40	New Zealand	5
Bulgaria	1	Pakistan	1
Canada	8	Poland	7
China	2	Portugal	9
Croatia	3	Republic of South Africa	1
Cyprus	1	Romania	1
Czech Republic	6	Slovakia	9
Denmark	3	Slovenia	5
Egypt	9	South Korea	1
Finland	1	Spain	87
France	31	Sweden	8
Germany	11	Switzerland	6
Greece	87	Turkey	17
India	4	United Kingdom	50
Iran	8	United States of America	26
Iraq	3	Venezuela	1
Israel	23		

Table S3. Alphabetical list of scientific establishments from which at least 5 papers on ovine mastitis have been published during the period 1970 - 2019.

Establishment	Country	No. of papers published
Agricultural Research Organisation of Brazil	Brazil	6
Agricultural Research Organisation of Israel	Israel	9
Agricultural Research Service of Aragon	Spain	10
Agricultural University of Uppsala	Sweden	8
Agrocampus Ovest	France	6
Aristotle University of Thessaloniki	Greece	21
Autonomous University of Barcelona	Spain	5
Commonwealth Scientific and Industrial Research Organisation	Australia	16
Complutense University of Madrid	Spain	18
Federal University Paulista	Brazil	5
Federal University of Pernambuco	Brazil	6
Jordan University of Science and Technology	Jordan	12
Kimron Veterinary Institute	Israel	17
National Institute of Agronomic Research	France	21
Polytechnic University of Valencia	Spain	11
Technological Educational Institution of Epirus	Greece	6
University Miguel Hernandez de Elche	Spain	6
University Mustafa Kemal	Turkey	5
University of Edinburgh	United Kingdom	6
University of Foggia	Italy	13
University of Leon	Spain	25
University of London	United Kingdom	25
University of Melbourne	Australia	7
University of Milan	Italy	6
University of Palermo	Italy	15
University of Sao Paulo	Brazil	10
University of Sassari	Italy	12
University of Thessaly	Greece	64
University of Toulouse	France	13
University of Wageningen	The Netherlands	5
University of Warwick	United Kingdom	6
University of Zaragoza	Spain	8
University of Zurich	Switzerland	5
Veterinary University of Vienna	Austria	18
Zooprophyllactic Institute of Sardinia	Italy	14

Table S4. Classification of papers on ovine mastitis published during the period 1970 – 2019, according to paper type, sheep production system, study type and mastitis aspect covered therein.

Original papers n=339	Dairy production n=428	Experimental n=43	Aetiology n=2 Control n=7 Diagnosis n=2 Effects n=5 Pathogenesis n=22 Risk factors n=7 Treatment n=3
		Field n=272	Aetiology n=58 Control n=19 D. epidemiology n=28 Diagnosis n=63 Effects n=44 Pathogenesis n=18 Risk factors n=73 Treatment n=16
	Meat production n=113	Laboratory n=113	Aetiology n=51 Control n=1 Diagnosis n=9 Effects n=2 Pathogenesis n=27 Risk factors n=6 Treatment n=27
		Experimental n=43	Control n=6 Diagnosis n=2 Effects n=1 Pathogenesis n=16
		Field n=58	Aetiology n=17 Control n=3 D. epidemiology n=4 Diagnosis n=11 Effects n=14 Pathogenesis n=4 Risk factors n=13
		Laboratory n=31	Aetiology n=18 Diagnosis n=2 Pathogenesis n=6 Risk factors n=1 Treatment n=4
Wool production n=1	Field n=1	Effects n=1	
Review papers n=41			

Table S5. Number of papers on ovine mastitis published during the period 1970 – 2019 originating from the 11 countries with highest number of papers published, classified according to paper type, sheep production system, study type and mastitis aspect covered.

Country	Paper type		Production system referred to			Study type			Mastitis aspect covered							
	Original	Review	Dairy	Meat	Wool	Experimental	Field	Laboratory	Aetiology	Control	D. epidemiology	Diagnosis	Effects	Pathogenesis	Risk factors	Treatment
Australia	23	1	2	21	0	14	4	5	5	4	1	2	1	11	0	0
Austria	16	1	9	7	0	4	11	1	5	1	1	4	2	5	0	1
Brazil	39	1	35	4	0	2	24	13	15	3	3	9	1	5	4	6
France	27	4	27	0	0	1	11	15	8	0	2	2	0	7	9	1
Greece	71	16	71	0	0	22	41	8	9	5	8	8	4	21	20	5
Israel	22	1	22	0	0	2	15	5	5	4	1	2	9	2	0	2
Italy	76	2	75	1	0	3	54	19	12	3	3	12	9	12	21	10
Spain	84	3	83	1	0	10	48	26	26	6	15	15	2	11	20	5
Turkey	16	1	16	0	0	0	8	8	8	1	1	4	0	0	2	2
United Kingdom	43	7	5	38	0	3	24	16	14	1	1	5	7	9	8	2
United States of America	24	2	9	15	0	2	16	6	10	2	2	2	7	3	2	0
<i>P</i>	0.0071		<0.0001			<0.0001			<0.0001							

Table S6. Associations between journals and countries of origin of papers on ovine mastitis published during the period 1970 - 2019.

(a) Country origin of papers published in the most used journals	
Journal	Two countries with the most papers published therein
<i>Journal of Dairy Research</i>	Greece n=10, Italy n=4
<i>Journal of Dairy Science</i>	Spain n=26, Italy n=9
<i>Journal of Veterinary Medicine B</i>	Greece / Spain n=2 (each)
<i>Pesquisa Veterinária Brasileira</i>	Brazil n=14
<i>Small Ruminant Research</i>	Greece n=28, Italy n=21
<i>The Veterinary Journal</i>	United Kingdom n=6, Greece n=2
<i>The Veterinary Record</i>	United Kingdom n=6, France / Greece / Spain n=4 (each)
<i>Veterinary Microbiology</i>	Greece n=8, Spain n=6
(b) Most used journals by authors from the 11 countries with highest number of papers published	
Country	Two journals with most papers published therein
Australia	<i>Research in Veterinary Science</i> / <i>Veterinary Microbiology</i> n=4 (each)
Austria	<i>Wiener Tierärztliche Monatsschrift</i> n=4
Brazil	<i>Pesquisa Veterinária Brasileira</i> n=14, <i>Arquivo Brasileiro de Medicina Veterinária e Zootecnia</i> n=5
France	<i>Small Ruminant Research</i> n=5, <i>Journal of Dairy Science</i> n=4
Greece	<i>Small Ruminant Research</i> n=28, <i>Journal of Dairy Research</i> n=10
Israel	<i>Small Ruminant Research</i> n=8, <i>South African Journal of Animal Science</i> n=3
Italy	<i>Small Ruminant Research</i> n=21, <i>Italian Journal of Animal Science</i> n=3
Spain	<i>Journal of Dairy Science</i> n=26, <i>Small Ruminant Research</i> n=11
Turkey	<i>Kafkas Üniversitesi Veteriner Fakültesi Dergisi</i> n=4, <i>Bulletin of the Veterinary Institute in Pulawy</i> / <i>Tropical Animal Health and Production</i> / <i>Turkish Journal of Veterinary and Animal Sciences</i> n=2 (each)
United Kingdom	<i>Journal of Dairy Science</i> / <i>The Veterinary Record</i> / <i>The Veterinary Journal</i> n=6 (each)
United States of America	<i>Journal of Animal Science</i> n=5, <i>Small Ruminant Research</i> n=4

Table S7. Number of papers on ovine mastitis published during the period 1970 – 2019 in the 8 journals with the majority of relevant papers, classified according to paper type, sheep production system, study type and mastitis aspect covered.

Journal	Paper type		Production system referred to			Study type			Mastitis aspect covered							
	Original	Review	Dairy	Meat	Wool	Experimental	Field	Laboratory	Aetiology	Control	D. epidemiology	Diagnosis	Effects	Pathogenesis	Risk factors	Treatment
<i>Journal of Dairy Research</i>	20	2	18	2	0	3	13	4	4	2	0	5	3	4	4	0
<i>Journal of Dairy Science</i>	54	0	48	6	0	5	38	11	13	3	0	13	9	3	19	2
<i>Journal of Veterinary Medicine B</i>	11	0	7	4	0	3	4	4	5	0	0	1	0	6	0	0
<i>Pesquisa Veterinária Brasileira</i>	14	0	13	1	0	2	8	4	3	2	0	3	2	2	1	4
<i>Small Ruminant Research</i>	76	14	71	5	1	4	60	12	20	6	12	18	10	9	14	4
<i>The Veterinary Journal</i>	10	1	4	6	0	4	4	2	1	0	2	3	2	2	0	0
<i>The Veterinary Record</i>	13	1	7	6	0	1	11	1	3	1	1	2	1	2	2	2
<i>Veterinary Microbiology</i>	24	5	18	6	0	5	3	16	16	2	2	1	0	5	2	2
<i>P</i>	0.0445		0.0007			<0.0001			0.0001							

Table S8. Literature references in papers on ovine mastitis published during the period 1970 – 2019, according to year of publication, country of origin, establishment of origin, journal in which published and characteristic of paper.

Year of publication	References per paper ($\bar{x}\pm se$)
1970s	20.0±3.7
1980s	16.4±1.9 ^{a,b}
1990s	21.0±1.1 ^{c,d}
2000s	30.8±1.6 ^{a,c,e}
2010s	41.4±1.6 ^{b,d,e}
<i>P</i>	<0.0001
Country of origin	References per paper ($\bar{x}\pm se$)
Australia	27.5±2.5 ^a
Austria	29.5±2.4
Brazil	37.1±3.3
France	50.6±6.3 ^{a,b,c,d,e}
Greece	43.5±3.9 ^{f,g}
Israel	26.4±3.0 ^{e,f}
Italy	35.0±2.0
Spain	32.6±2.6 ^b
Turkey	28.8±2.1
United Kingdom	27.5±3.5 ^g
United States of America	28.4±3.1 ^d
<i>P</i>	0.0002
Establishment of origin	References per paper ($\bar{x}\pm se$)
Aristotle University of Thessaloniki	39.6±7.8
Commonwealth Scientific and Industrial Research Organisation	27.1±3.2
Complutense University of Madrid	25.7±2.3
Jordan University of Science and Technology	25.7±4.3
Kimron Veterinary Institute	28.2±3.7
National Institute of Agronomic Research	50.0±5.7
Polytechnic University of Valencia	30.8±2.9
University of Foggia	39.7±2.9
University of Leon	33.8±4.8
University of London	20.3±3.0
University of Palermo	35.2±6.0
University of Sassari	35.2±5.7
University of Thessaly	47.7±5.0
University of Toulouse	61.6±9.7
Veterinary University of Vienna	29.0±2.3
Zooprophyllactic Institute of Sardinia	26.9±2.9
<i>P</i>	<0.0001
Journal	References per paper ($\bar{x}\pm se$)
<i>Journal of Dairy Research</i>	35.5±6.0
<i>Journal of Dairy Science</i>	35.4±3.6
<i>Journal of Veterinary Medicine B</i>	20.2±2.3
<i>Pesquisa Veterinária Brasileira</i>	44.9±3.7
<i>Small Ruminant Research</i>	36.3±2.6
<i>The Veterinary Journal</i>	19.3±3.4
<i>The Veterinary Record</i>	20.3±3.7 ^a
<i>Veterinary Microbiology</i>	43.6±7.0 ^a
<i>P</i>	0.0034

Table S8 (continued)

Type of paper	
Original	29.6±0.7
Review	81.8±7.1
<i>P</i>	<0.0001
Production system	
Dairy	31.4±0.8
Meat	22.5±0.8
Wool	21.0
<i>P</i>	<0.0001
Type of work	
Experimental	30.7±2.3
Field	28.2±0.8 ^a
Laboratory	32.2±1.4 ^a
<i>P</i>	0.0310
Aspect of mastitis covered	
Aetiology	29.4±1.1
Control	26.5±2.0
D. epidemiology	29.2±2.9
Diagnosis	28.0±1.6
Effects	29.5±1.7
Pathogenesis	32.2±2.3
Risk factors	31.3±1.5
Treatment	28.02±2.0
<i>P</i>	0.48

Table S9. Citations received by papers on ovine mastitis published during the period 1970 – 2019, and impact of the respective journal, according to year of publication, country of origin, establishment of origin, journal in which published and type of paper, production system, type of study and aspect of mastitis covered.

Classification	Scimago category			Citations per paper ($\bar{x}\pm se$)	Citations per paper yearly ($\bar{x}\pm se$)	Total cites (n)
	Q1	Q2	$\geq Q3$			
Year of publications	(n)			($\bar{x}\pm se$)	($\bar{x}\pm se$)	(n)
1970s	6	0	2	13.7 \pm 5.5	0.3 \pm 0.1	109
1980s	9	9	4	19.8 \pm 3.0	0.6 \pm 0.1 ^a	435
1990s	42	45	21	22.1 \pm 2.3 ^a	0.9 \pm 0.1 ^{b,c}	2407
2000s	70	73	25	26.8 \pm 2.9 ^b	1.8 \pm 0.2 ^b	4495
2010s	113	103	57	8.4 \pm 0.6 ^{a,b}	1.9 \pm 0.1 ^{a,c}	2300
<i>P</i>	0.37			<0.0001	0.0001	
Country of origin	(n)			($\bar{x}\pm se$)	($\bar{x}\pm se$)	(n)
Australia	13	9	2	15.3 \pm 1.8 ^a	1.0 \pm 0.2 ^a	368
Austria	4	5	8	12.8 \pm 2.5 ^b	0.7 \pm 0.1 ^b	217
Brazil	2	13	25	6.4 \pm 1.3 ^{c,d}	1.0 \pm 0.2 ^c	254
France	23	6	2	38.6 \pm 11.1 ^{a,b,c,e,f,g}	3.2 \pm 0.7 ^{a,b,c,d,e,f}	1196
Greece	34	50	3	13.1 \pm 1.9 ^{d,e}	2.2 \pm 0.3	1143
Israel	10	10	3	28.0 \pm 6.4	2.5 \pm 0.5	643
Italy	34	41	3	14.5 \pm 1.8 ^f	1.8 \pm 0.2	1132
Spain	55	25	7	24.7 \pm 3.2	1.7 \pm 0.2 ^d	2148
Turkey	1	7	9	7.2 \pm 1.6 ^g	0.8 \pm 0.2 ^e	123
United Kingdom	26	23	1	19.3 \pm 3.4	1.6 \pm 0.3 ^f	965
United States of America	16	7	3	30.4 \pm 5.4	1.8 \pm 0.4	791
<i>P</i>	<0.0001			0.0001	0.0004	
Establishment of origin	(n)			($\bar{x}\pm se$)	($\bar{x}\pm se$)	(n)
Aristotle U. of Thessaloniki	6	13	2	13.5 \pm 2.8	1.3 \pm 0.3	284
CSIRO	6	9	1	20.0 \pm 1.7	1.1 \pm 0.3	321
Complutense U. of Madrid	10	7	1	20.9 \pm 3.1	1.2 \pm 0.3	376
Jordan U. of Science and Technology	3	6	3	8.2 \pm 3.5	0.9 \pm 0.2	98
Kimron Vet. Inst.	7	8	2	28.8 \pm 8.3	2.9 \pm 0.6	490
INRA	18	2	1	28.7 \pm 6.2	2.8 \pm 0.4	603
Polytechnic U. of Valencia	6	2	3	10.5 \pm 2.7	0.9 \pm 0.3	116
U. of Foggia	4	8	1	30.6 \pm 7.1	2.2 \pm 0.4	398
U. of Leon	17	7	1	43.4 \pm 8.7	2.8 \pm 0.6	1085
U. of London	9	17	0	18.2 \pm 4.4	0.9 \pm 0.2	474
U. of Palermo	8	7	0	7.4 \pm 1.6	1.1 \pm 0.2	111
U. of Sassari	5	7	0	13.6 \pm 2.4	2.6 \pm 0.6	163
U. of Thessaly	28	35	1	11.8 \pm 1.6	2.5 \pm 0.4	756
U. of Toulouse	8	2	0	48.7 \pm 25.2	4.3 \pm 1.4	633
Veterinary U. of Vienna	4	5	9	12.6 \pm 2.3	0.7 \pm 0.1	226
Zooprophyllactic Inst. of Sardinia	4	8	2	12.2 \pm 3.7	1.9 \pm 0.5	171
<i>P</i>	<0.0001			< 0.0001	0.0435	
Type of paper	(n)			($\bar{x}\pm se$)	($\bar{x}\pm se$)	(n)
Review	227	209	103	15.4 \pm 0.8	1.4 \pm 0.1	8296
<i>P</i>	13	21	7	35.4 \pm 9.9	3.6 \pm 0.7	1450
<i>P</i>	0.28			<0.0001	<0.0001	

CSIRO: Commonwealth Scientific and Industrial Research Organisation Australia, INRA: National Institute of Agronomic Research France, U.: University

Table S9 (continued)

Classification	Scimago category			Citations per paper ($\bar{x}\pm se$)	Citations per paper yearly ($\bar{x}\pm se$)	Total cites (n)
	Q1	Q2	$\geq Q3$			
Production system		(n)		($\bar{x}\pm se$)	($\bar{x}\pm se$)	(n)
Dairy	171	167	90	15.5±0.9	1.6±0.1	6639
Meat	57	43	13	14.9±1.4	1.0±0.1	1687
Wool	0	1	0	3.0	1.2	3
<i>P</i>		0.085		0.083	0.0031	
Type of study		(n)		($\bar{x}\pm se$)	($\bar{x}\pm se$)	(n)
Experimental	37	21	7	17.1±2.1	1.4±0.2	1149
Field	116	138	75	15.5±1.1	1.5±0.1	5097
Laboratory	74	50	19	14.3±1.5	1.6±0.2	2050
<i>P</i>		0.0006		0.595	0.610	
Aspect of mastitis covered		(n)		($\bar{x}\pm se$)	($\bar{x}\pm se$)	(n)
Aetiology	66	55	26	18.7±1.7	1.7±0.2	2736
Control	10	19	7	12.7±2.0	1.0±0.2	458
D. epidemiology	26	38	24	22.8±4.4	2.2±0.6	730
Diagnosis	31	19	16	18.0±2.3	1.2±0.1	1580
Effects	10	15	7	18.8±3.3	1.9±0.3	1239
Pathogenesis	43	35	13	14.1±1.5	1.4±0.2	1283
Risk factors	50	37	13	13.0±1.5	1.6±0.2	1299
Treatment	16	23	11	9.5±1.7	1.3±0.3	477
<i>P</i>		0.067		0.0084	0.407	

Table S10. Citations received by papers on ovine mastitis published during the period 1970 – 2019, according to the journal in which they have been published.

Journal	Citations per paper ($\bar{x}\pm se$)	Yearly citations per paper ($\bar{x}\pm se$)	Total cites (n)
<i>J. Dairy Res.</i>	13.5±2.4	1.6±0.2	296
<i>J. Dairy Sci.</i>	28.9±8.4	2.8±0.8	1556
<i>J. Vet. Med. B</i>	12.2±3.4	0.6±0.2	134
<i>Pesq. Vet. Brasil.</i>	7.2±1.6	0.8±0.2	43
<i>Small Rumin. Res.</i>	22.8±3.3	2.0±0.2	2051
<i>Vet. J.</i>	15.1±3.5	0.9±0.2	404
<i>Vet. Rec.</i>	36.7±8.4	1.5±0.2	212
<i>Vet Microbiol.</i>	18.4±4.0	2.8±0.6	533
<i>P</i>	0.0183	0.0015	

Abbreviations of journals from top to bottom: *Journal of Dairy Research*, *Journal of Dairy Science*, *Journal of Veterinary Medicine B*, *Pesquisa Veterinária Brasileira*, *Small Ruminant Research*, *The Veterinary Journal*, *The Veterinary Record*, *Veterinary Microbiology*



© 2020 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (<http://creativecommons.org/licenses/by/4.0/>).