Communication

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

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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	igin	Establishment(s) of origin	Article typ	2 Study type	Mastitis aspect covered	Production type referred to
1 Experimental ovine mastitis -A pathologic study	1970	Vet Pathol	El-Etreby	2	Abdel-Hamid	EGY	U Assiut		Original	Experimental	Pathogenesis	Dairy
2 Experimental production of mastitis in sheep by Mycobacterium smegmatis and Mycobacterium fortuitum	1971	Cornell Vet	Richardson	1		USA	U Cornell		Original	Experimental	Pathogenesis	Meat
3 Mastitis produced experimentally in sheep with ovine abortion Chlamydia	1972	Zblatt Vetmed B	Papadopoulos	2	Leontides	GRE	Aristotle U Thessaloniki		Original	Experimental	Pathogenesis	Dairy
4 Bacillus cereus 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	Merck	2	Burrow	FRG	U Berlin		Original	Experimental	Pathogenesis	Meat
5 Observation of a spontaneous case of fatal ovine mastitis due to Klebsiella pneumoniae	1977	Zblatt Vetmed B	Mandal	3	Ahuja	IND	U Punjab		Original	Field	Actiology	Dairy
6 Mastitis in cows, goats and sheep	1978	Norsk Vetmed	Mosdol	1		NOR	U Oslo		Original	Field	Actiology	Meat
7 Incidence and importance of subclinical mastilits in sheep	1978	J Anim Sci	Gross	4	Torell	USA	U California Davis		Original	Field	Actiology	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-lambed range ewes	1980	J Anim Sci	Kirk	3	Anderson	USA	U Idaho		Original	Field	Effects	Meat
10 Prevantion of post wearing 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 Staphylococcus aureus	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
The role of humoral and cellular mediators in enhanced mammary inflammatory reactions to staphylococcal infection in systemically	1982	Microbiol Immunol	Colditz	2	Watson	AUS	U Queensland	CSIRO	Original	Experimental	Control	Meat
immunised ewes 14 Mastitis in sheep in the Netherlands	1983	Tijd DiergenK	Konig	3	Gelling	NED	Vakgroup Bedrijfsdiergeneeskunde & Buitenprakt		Original	Field	Actiology	Most
15 Ovine mastitis due to Histophilus ovis	1983	Can Vet J	Beaurgard	2	Higgins	CDN	U Montreal		Original	Field	Actiology	Meat
16 Modern aspects of sheep mastilis	1984	Br Vet J	Watson	,	Buswell	GBR	Beecham Animal Health		Review	1 10 10	Automy	of the sec
10 Notern aspects of snap masms 17 Mastilis in sheep in Iraq	1704	br vet j	ALSamarrae	-	Yousif			U Haryana		Field	Actiology	Deler
17 Mastitis in sheep in Iraq 18 Immunophysiological activity of supramammary lymph nodes of the ewe	1985	Vet Rec Res Vet Sci		3	Yousif Davies	IRQ IND AUS	U Bagdhad U New England	U Haryana CSIRO	Original Original	Field	Aetiology Pathogenesis	Dairy Meat
	1985		Watson	2				CSIRO		Experimental		
19 Pathology of acute experimental of Actinobacillus seminis mastitis	1985	Aus Vet J	Alsenosy	2	Dennis	USA	U Cansas		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	Hueston	3	Judy	USA	U Ohio State		Original	Field	Actiology	Meat
22 Detection of ovine intramammary infection	1986	J Am Vet Med Assoc	Hueston	3	Judy	USA	U Ohio State		Original	Field	Diagnosis	Meat
23 Diseases of sheep and goats: mastitis	1987	Wiener Tierarzt Monats	Sasshofer	3	Kessler	AUT	U Vienna		Review			
24 Iatrogenic mastitis in sheep	1987	Tijd DiergenK	Roumen	3	Gruys	NED	Gezondheidsienst Dieren		Original	Field	Pathogenesis	Meat
25 Detection of subclinical mastitis in evees	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	Ralston	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	Gootwine	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	Hueston	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 Tierarzt 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	Moreno	FRA	U Leon		Original	Field	Epidemiology Tre	atment Dairy
33 The effect of experimentally induced of 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 Tierarzt	Bostedt	1		FRG	U Giessen		Original	Field	Epidemiology	Meat
36 Milk whey induction of agglutination in ovine and bovine mastitis Staphylococcus aureus	1990	Zhlatt Vetmed B	Baselga	,	Amorena	ESP	U Zaragoza		Original	Laboratory	Actiology	Dairy
37 The influence of different factors on milk composition and production of the ewes of the Tsigai breed within the milking period	1991	Zivocisna Vyroba	Margetin	4	Capistrak	CZE	Research Institute Sheep Breeding Czechia		Original	Field	Effects	Dairy
38 Somatic cells counts and CMT results in milk sheep with normal udder health during a complete lactation period	1991	Schweizer Arch Tierarzt	Regi		Rusch	SWI	U Zurich	Swiss Federal Institute of Technology	Original	Field	Diagnosis	Dairy
39 Somanic cons counts and Cwi i resures in muc sneep with normal under neutrin during a compare nactation period 39 Suitability of lactate dehydrogenase activity and somatic cell counts of milk for detection of subclinical maetitis in Merino eves	1991	Acta Vet Hung	Nizamioglou	-	Erganis	TUR	U Sekuk	Swiss Peteral Institute of Technology	Original	Laboratory	Diagnosis	Dairy
	1991	I Comp Pathol	Amorena	10	Erganis	ESP SWE	U Sekuk SIA DGA-Zaragoza		-	Laboratory	-	
40 Infection of rabbit mammary glands with ovine mastitis bacterial strains	1991	,	Amorena Perís	10	Faris Torres	ESP SWE		U Uppsala	Original		Pathogenesis	Dairy
41 Variation in somatic cell counts, California Mastitis Tost and electrical conductivity among various fractions of ewes milk	1991	J Dairy Sci		5			U Valencia		Original	Laboratory	Diagnosis	Dairy
42 A field investigation of subclinical mastitis in sheep	1991	Br Vet J	Watkins	3	Jones	GBR	U London		Original	Field	Epidemiology	Meat
43 The experimental production of mastitis in sheep by intramammary inoculation of Pasteurella haemolytica	1991	J Comp Pathol	El-Masannat	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	Amorena	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	APMIS	Orden	6	Delafuente	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	Orden	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 Tierarzt 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 Staphylococcus aureus	1992	J Infect Dis	Lee	9	Schlievert	USA	U Minnesota		Original	Laboratory	Actiology	Meat
Detection of enterotoxin and TSST-1 secreted by Staphylococcus aureus isolated from ruminant mastitis -Comparison of ELISA and immunoblot	1992	J Appl Bacteriol	Orden	6	Gomez-Lucia	ESP	U Madrid		Original	Laboratory	Actiology	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	Heeschen	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	Alsadi	IRQ	U Mosul		Original	Field	Epidemiology	Dairy
54 Hydrophobicity of ruminant mastitis Staphylococcus aureus	1992	Curr Microbiol	Baselga	6	Amorena	ESP	SIA DGA-Zaragoza		Original	Laboratory	Actiology	Dairy
55 Use of the Fossomatic 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 eves with Staphylococcus aureus subsp. anaerobius	1993	Res Vet Sci	Delafuente	5	Suarez	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	Penades	6	Amorena	ESP	SIA DGA-Zaragoza		Original	Experimental	Control	Dairy
58 Differentiation of staphylococci from ewe and goat milk samples	1993	Deut Tierarzt Wochen	Deinhofer	2	Pernhaner	AUT	U Vienna		Original	Field	Actiology	Dairy
59 Phase variation of slime production in staphylococcus aurous -implications in colonisation and virulence	1993	Infect Immun	Baselga	6	Amorena	ESP	SIA DGA-Zaragoza		Original	Experimental		ogenesis Dairy
Adherence of ruminant mastitis Staph aureus strains to epithelial cells from ovine mammary gland primary cultures and from a rat	1993	Vet Microbiol	Iturralde	4	Amorena	ESP	U Zaragoza	SIA DGA -Zaragoza	Original	Laboratory	Pathogenesis	Dairy
		Small Rumin Res	Iturraide	4	Amorena Vaabenoe	NOR	U Zaragoza Agricultural U Norway	our cour canageau	Original Original	Field	Pathogenesis Risk factors	Dairy Meat
or intestinal cell line Constitute and maximum stal causes of materials in martility in characteristics	1997				vaabenoe	-N./K	Agricultural C Norway		Orginal	ried	RISK IRCIGIS	
61 Genetic and environmental causes of variation in mastitis in sheep	1993		-		Cablerret	117.4	11 Marca			I should	A -11-1	Datas
61 Genetic and environmental causes of variation in manifilis in sheep 62 Immunobiological and biochemical properties of mutants	1994	J Immunol	Murray	9	Schlievert	USA	U Minnesota		Original	Laboratory	Actiology	Dairy
61 Genetic and environmental causes of variation in mastitis in sheep			-	9	Schlievert Jones Albizu	USA GBR ESP	U Minnesota U London SIA DCA-Zaragoza		Original Original Original	Laboratory Laboratory Experimental	Actiology Actiology Control	Dairy Moat Dairy

65 Prevalence and aetiology of subclinical mastitis in ewes of Southern Greece	1994 Small R	nin 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 Dai	y Sci Gonzalo	4	Primitivo	ESP		U Leon		Original	Field	Diagnosis	Effects	Dairy
67 Etiology and prevalence of subclinical mastitis in the Manchega sheep at mid-late lactation	1994 Small R	nin Res Delacruz	8	Amorena	ESP		SIA DGA-Zaragoza		Original	Field	Actiology	Epidemiology	Dairy
68 Genetic parameters of test day measures for somatic cell counts, milk yield and protein percentage of milking ewes	1994 J Dai	/ Sci Baro	3 5	Sanprimitivo	ESP	GBR	U Leon	U Edinburgh	Original	Field	Effects	Diagnosis	Dairy
69 Milk losses caused by chronical mastitis	1995 Wiener Tier	rzt Monats Deutz	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 Anna	Zoot Peris	5	Rodriguez	ESP		U Valencia		Original	Field	Pathogenesis	Effects	Dairy
71 Examination of systems that exert fraction on the teatcup and reduce teat bending in machine-milking of ewes	1995 Anna	Zoot Peris	5	Tornes	ESP		U Valencia		Original	Field	Pathogenesis	Effects	Dairy
72 California mastitis test and Whiteside test in diagnosis of subclinical mastitis of dairy ewes	1995 Small R				GRE		Greek Army Centre Biological Research Greece		Original	Field	Diagnosis		Dairy
72 Cantornia mastitis tost and whiteside test in diagnosis of subclinical mastitis of dairy ewes 73 Variation in somatic cell counts in ewes milk during lactation	1995 Small K		1	Foltys	SLK		Greek Army Centre Boological Research Greece Research Institute in Animal Production Slovakia			Field			Dairy
			5						Original		Diagnosis		
74 Use of somatic cell counts for the detection of subclinical mastitis in sheep	1995 Small R	-	4	Taliotis	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 Anii		4	Samartzi	GRE		Aristotle U Thessaloniki		Original	Field	Epidemiology	Diagnosis	Dairy
76 The distibution of Pasteurella haemolytica serotypes among cattle, sheep, and goats in South Africa and their association with disease	1995 Onderste	J Vet Res Odendaal	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 Dai	/ 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 Tierarz	Umsch Winter	2	Hofer	AUT		U Vienna	Disease Institute Austria	Original	Field	Actiology		Meat
79 Somatic cell counts in milk of Welsh Mountain, Dorset-Horn and Chios even throughout lactation	1996 Small R	nin Res Fthenakis	1		GRE		Lapapharm		Original	Field	Diagnosis		Dairy
80 Mastitis in ewes	1996 Comp Cont	du 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 R	nin Res Morgante	5	Duranti	ITL.		Inst Semeiotica 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 R			Carmenes	ESP		U Leon		Original	Field	Diagnosis		Dairy
83 Resistance to antibiotics in Staphylococcus aureus at own masility, in sheep milk and its products	1996 Veterinar	-		Bartko	SLK		U Kosice	Ministry of Agriculture Slovakia	Original	Laboratory	Treatment		Dairy
	1996 Vet Immunol		2		SWE			CSIRO					Meat
84 Cytokine induced inflammation in the ovine teat and udder			5	Seow			U Uppsala		Original	Experimental	Pathogenesis		
85 Mastitis in a flock of milking sheep	1996 Small R		3	Maas	USA		U Auburn	U California Davis	Original	Field	Actiology	Epidemiology	Dairy
86 Total and differential cell count by direct microscopic method on ewe milk	1996 J Vet		4	Beghelli	ITL.		U Perugia		Original	Laboratory	Diagnosis		Dairy
87 Subclinical mastitis in sheep	1996 Ind	et J Rao	3 See	semannarayana	IND		Veterinary Polyclinic		Original	Field	Actiology	Epidemiology	Dairy
88 Somatic cells in sheep milk in relation to milk production and composition during sucking and milking	1996 Zivocisn	Vyroba Margetin	4	Foltys	SLK		Vyskumny Ustav Zivocisnej Vyroby		Original	Field	Effects		Dairy
89 Accumulation of leucocytes and cytokines in the lactating ovine udder during mastitis due to Staphylococcus aureus and Escherichia coli	1997 Res V	t Sci Persson-Waller	3	Seow	SWE	AUS	U Uppsala	CSIRO	Original	Experimental	Pathogenesis		Meat
90 Experimental studies on Pasteurella mastitis in oves	1997 Large A	m Pract Al-Ani	3	Karim	JOD	IRQ	Jordan U Science Technology	U Baghdad	Original	Experimental	Pathogenesis		Dairy
91 Evaluation of the Staph-Zym system in the identification of Staphylococci	1997 J Basic M	icrobiol Burriel	2	Scott	GBR		U London		Original	Laboratory	Actiology		Meat
92 Leukocyte and cytokine accumulation in the ovine teat and udder during endotoxin-induced inflammation	1997 Vet Re:	Comm Waller	4	Seow	SWE	AUS	U Uppsala	CSIRO	Original	Experimental	Pathogenesis		Meat
93 Udder orf infection and its role in ovine clinical mastitis caused by Pasteurella haemolytica	1997 J Trace Ele		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	1997 Vet		1		GBR		U London		Original	Field	Pathogenesis		Meat
composition 95 Milk differential cell counts in relation to total counts in Sardinian evves	1997 Small R			Contini	ш		U Sassari		Original	Field	Diagnosis		Dairy
Serological diagnosis of bovine, caprine and ovine mastitis caused by Listeria monocytogenes by using an enzyme-linked immunosorbent	1997 J Clin M			Poutrel	FRA		INRA		Original	Laboratory	Diagnosis		Dairy
assay	1997 Anna		3				11 Valencia				-		
97 Comparison of different machine milking clusters on dairy ewes with large size teats			7	Torres	ESP				Original	Experimental	Risk factors		Dairy
98 Resistance of coagulase negative staphylococci isolated from sheep to various antimicrobial agents	1997 Res V		1		GBR		U London		Original	Laboratory	Treatment		Meat
99 Leukotoxic factors produced by staphylococci of ovine origin	1997 Microl		2	Dagnall	GBR		U London		Original	Laboratory	Treatment		Meat
100 Corynebacterium mastitidis sp. nov., isolated from milk of sheep with subclinical mastitis	1997 Int J Syst	Racteriol Fernandez-Garayzaba	al 7	Dominguez	ESP		U Madrid		Original	Field	Actiology		Dairy
101 Pharmacokinetics and penetration of danofloxacin from the blood into the milk of ewes	1997 Vet	les Shem-Tov	4	Saran	ISR		Ministry of Agriculture Israel		Original	Laboratory	Treatment		Dairy
102 Isolation of Pasteurella haemolytica from grass, drinking water and straw bedding	1997 Curr M	crobiol Burriel	1		GBR		U London		Original	Field	Actiology		Meat
103 Electron microscopic study of milk sediments -Qualitative and quantitative observations	1997 AP	IIS Burriel	2	Brendle	GBR		U London		Original	Laboratory	Pathogenesis		Meat
104 Pharmacokinetics and penetration of marboflosacin from blood into the milk of cows and ewes	1997 J Vet	led 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 Tra	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 Microb	ologica Burriel	,		GBR		U London		Original	Laboratory	Actiology		Meat
107 Epidemiological studies of clinical and subclinical ovine mastitis in Awassi sheep in northern lordan	1998 Prev V			Alawah	IOD		Iordan U Science Technology		Original	Field	Epidemiology	Actiology	Dairy
107 Epidemiological studies of clinical and subclinical of the missis in Awaest statep in northern Jordan 108 The effects of inoculation of Listeria monocytogenes into the ovine mammary gland	1998 Vet M		•	Linde	GRE	GER	TEI Epirus	U Leipzig		Experimental	Pathogenesis	Aettology	Dairy
108 The effects of inoculation of Listeria monocytogenes into the ovine mammary gland Histopathological and ultrastructural observation of ovine mammary glands experimentally inoculated with coagulase-negative standard used.			3	Linde	GBR	GER		U Leipzig	Original				Meat
staphytococci	1998 Zblatt V		1				U London		Original	Laboratory	Pathogenesis		
110 Isolation of coagulase-negative staphylococci from the milk and environment of sheep	1998 J Dai		1		GBR		U London		Original	Field	Actiology	Pathogenesis	Meat
111 A comparison of methods used in species identification of coagulase negative staphylococci isolated from the milk of sheep	1998 V		2	Scott	GBR		U London		Original	Laboratory	Aetiology		Meat
112 Bovine and ovine mastitis in Dhuleil Valley of Jordan	1998 Veterin		2	Hailat	JOD		Jordan U Science Technology		Original	Field	Actiology	Epidemiology	Dairy
113 Susceptibility to antibiotics of staphylococcal isolates from cases of ovine or bovine mastitis	1998 Small R		1		GRE		Lapapharm		Original	Laboratory	Treatment		Dairy
114 Corynebacterium camporealensis associated with subclinical mastitis in sheep	1998 Int J Syst	Racteriol Fernandez-Garayzaba	al 6	Dominguez	ESP		U Madrid		Original	Laboratory	Actiology		Dairy
115 Expression of surface antigens of blood and mammary leukocytes in lactating and dry ewes	1998 Vet Immunol	nmunopathol Persson-Waller	2	Colditz	SWE	AUS	U Uppsala	CSIRO	Original	Laboratory	Pathogenesis		Meat
116 The carriage of Pasteurella haemolytica in sheep and its transfer between ewes and lambs	1998 J Comj	Pathol Scott	2	Jones	GBR		U London		Original	Field	Actiology	Pathogenesis	Meat
117 Mastitis in dairy ewes associated with Serratia macrescens	1998 Small R	nin Res Tzora	2	Fthenakis	GRE		TEI Epirus	Lapapharm	Original	Field	Actiology		Dairy
Effects of long-term recombinant bovine somatotropin (bST) administration on milk yield, milk composition and mammary gland health of datry evens	1998 Small R	nin Res Brozos	5	Tsakalof	GRE		Aristotle U Thessaloniki		Original	Field	Risk factors		Dairy
119 Classification of the clinical types of udder disease affecting nursing ewes	1998 Small R	nin Res Calavas	4	Sulpice	FRA		Centre Ecopathologie Animale		Original	Field	Epidemiology		Dairy
120 Mammary and systemic aspergillosis in dairy sheep	1998 Vet I	thol Perez	5	Jensen	ESP	DEN	U Leon	U Copenhagen	Original	Field	Actiology		Dairy
121 Detection of Staphylococcus aureus in milk by use of polymerase chain reaction analysis	1998 Am I	rt Res Khan		Back	USA		11 Illinois		Original	Laboratory	Actiology		Meat
122 Milk composition, somatic cell count, clinical and bacteriological investigation	1998 Prakt			Beck	GER		U Liepzig		Original	Field	Actiology	Diagnosis	Dairy
122 Muik composition, somatic ceit count, clinical and bacteriological investigation 123 Use of benzethine closacillin for control of ovine mastitis	1998 Prakt		3		IND		U Liepzig U Kashmir			Field	Aetiology	Longroom	Dairy
			2	Wilayat			U Kashmir U Madrid		Original				
124 Streptococcus parasanguinis: new pathogen associated with asymptomatic mastilis in sheep	1998 Emerg		ы 6	Dominguez	ESP				Original	Laboratory	Actiology		Meat
125 Heritability of test day somatic cell counts and its relationship with milk yield and protein percentage in dairy ewes	1998 J Dai		3 5	5an Primitivo	ESP	EGY	U Leon	U Cairo	Original	Field	Risk factors	Diagnosis	Dairy
126 Naturally occuring subclinical ovine mastitis associated with Listeria monocytogenes	1998 Small R		4	Linde	GRE	GER	U Thessaly	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 V	t Med Saratsis	5	Fthenakis	GRE		Aristotle U Thessaloniki	U Thessaly	Original	Field	Actiology	Epidemiology	Dairy
The influence of ewe intramammary infection caused by coagulase negative staphylococci on the milk constituents total protein, albumin, potassium and sodium	1998 Ani	Sci Burriel	2	Wagstaff	GBR		U London		Original	Field	Effects		Meat
129 Adhesion of coagulase positive and coagulase negative staphylococci	1999 Small R	nin Res Burriel	1		GBR		U London		Original	Laboratory	Pathogenesis		Meat
130 Prevalence and aetiology of subclinical mastitis in the Madrid region	1999 Small R	nin Res Las Heras	3 Fema	andez-Garayzabal	ESP		U Madrid		Original	Field	Aetiology	Epidemiology	Dairy
131 Genetic parameters of lactation cell counts and milk and protein yield in dairy eves	1999 J Dai	Sci El-Saied	4 5	San Primitivo	ESP	EGY	U Leon	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	Ranucci	ITL.		Inst Semeiotica Medica e Metodologia Clinica Veterinaria		Original	Field	Control		Dairy
133 The intramammary inflammatory response of genetically resistant Merino ewes infected with Haemonchus contortus	1999	Int J Parasitol	Thamsborg	5	Lea	DEN	AUS		U New England	Original	Experimental	Pathogenesis		Meat
134 The effect of experimentally induced subclinical mastitis on the milk yield of dairy ewes	1999	Small Rumin Res Zblatt Vetmed B	Saratsis	4	Fthenakis	GRE		Aristotle U Thessaloniki	U Thessaly CSIRO	Original	Field	Effects		Dairy Meat
135 The effect of experimental infectious mastitis on leukocyte subpopulations and cytokine production in non-lactating ewes			Persson-Waller	2	Colditz		AUS			Original	Experimental	Pathogenesis		
136 Resistance patterns of ovine mastitis pathogens 137 Effect of intramammary infusion of beta-1,3-glucan or interleukin-2 on leukocyte subpopulations in mammary glands of sheep	1999	Berl Munch Tierarzt Wochs Am I Vet Res	Winter Waller	3	Baumgartner	AUT	AUS	U Vienna U Uposala	Vet P1 CSIRO	Original	Laboratory	Treatment		Meat
 Effect of inframammary infusion of bela-1,2-guican or inferieukin-2 on leukocyte suppopulations in mammary guinds of sheep Outbreak of acute ovine mastifis associated with Pseudomonas aeruginosa infection 	1999	Am J Vet Res Vet Rec	Las Heras	2	Colditz	ESP	AUS	U Uppsaa U Madrid	CSIRO	Original	Field	Actiology		Dairy
	1999			4	Fernandez-Garayzabai									
139 Effect of stocking density on ewes milk yield, udder health and microenvironment	2000	J Dairy Res Small Rumin Res	Sevi Burriel	5	Muscio	ITL CBR		U Foggia U London		Original	Field Laboratory	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 Vet Rec	Burnet			GBR				Original	Field	Diagnosis		Meat
141 Extensive fibrinous pleurisy associated with Streptococcus dysgalactiae	2000	Can Vet I	Croft		Dick	CDN		U Edinburgh U Gueloh	Provel	Original	Field	Control		Meat
142 The effect of tilmicosin administered to ewes prior to lambing on incidence of clinical mastitis 143 Effects of parity on milk vield composition, somatic cell count, renneting parameters and bacteria counts of Comisana ewes	2000	Can vet J Small Rumin Res	Sevi	6	Annicchiarico	ITL CON		U Gueph U Foggia	Inst Sperimentale per la Zootecnia Foggia	Original	Field	Epidemiology		Dairy
	2000			5					Inst Sperimentale per la Zoolecnia Foggia					
144 Intramammary Aspergillus fumigatus infection in dairy ewes associated with antibiotic dry therapy	2000	Vet Rec	Las Heras Fthenakis	8	Fernandez-Garayzabal	ESP		U Madrid U Thessalv		Original	Field	Risk factors		Dairy
145 Field evaluation of flunisin meglumine in the supportive treatment of ovine mastitis		J Vet Pharmacol Ther Ital J Food Sci	Fthenakis Sevi	1		GRE				Original	Field			Dairy
146 Quality of ewe milk as affected by stocking density and litter treatment with bentonite	2000			6	Dell'Aquila	ESP		U Foggia U Madrid	Inst Sperimentale per la Zootecnia Foggia	Original		Epidemiology		
147 Antimicrobial susceptibility of corynebacteria isolated from ewe's mastitis	2001	Int J Antimicrob Ag	Fernandez	6	Moreno Tzora	GRE		U Madrid U Thessalv		Original	Laboratory Field	Treatment		Dairy
148 Lack of association between retention of fetal membranes and mastitis in ewes	2001		Leontides	3					TEI Epirus	Original		Epidemiology		Dairy
149 Effect of slime on adherence of Staphylococcus aureus isolated from bovine and ovine mastitis	2001	Vet Microbiol	Aguilar	3	Iturralde	ESP		U Zaragoza	Ministry of Agriculture Spain	Original	Laboratory	Actiology	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	Actiology	Diagnosis	Dairy
151 The role of coagulase negative Staphycoccus spp and associated somatic cell counts	2001	J Dairy Sci	Pengov	1		SLV		U Ljubljana		Original	Field	Actiology	Diagnosis	Dairy
152 Outbreak of subclinical mastitis in a flock of dairy sheep associated with Burkholderia cepacia complex infection	2001	J Clin Microbiol	Berratua	8	Govan	ESP	GBR	NEIKER	U Edinburgh	Original	Field	Actiology		Dairy
153 Mastitis in eves Relationships among somatic cell count, California mastitis test, impedance and bacteriological status of milk in goats and sheep in early 154	2001	In Pract	Winter	1		GBR		U Liverpool		Review				
lactation	2001	Small Rumin Res	McDougall	6	Scruton	NZL	USA	Animal Health Centre	Ministry of Agriculture USA	Original	Field	Actiology	Diagnosis	Meat
155 Mastitis of sheep and goats	2001	Vet Clin NA Food Anim Pract	Menzies	2	Ramanoon	CDN		U Gaelph		Review				
156 Relationship between mammary gland infection and milk immune parameters in Sardinian breed eves	2001	Small Rumin Res	Moroni	2	Cuccuri	ITL.		U Milan	U Sassari	Original	Field	Pathogenesis	Diagnosis	Dairy
157 Genetic analysis for mastitis resistance and milk somatic cell score in French Lacaune dairy sheep	2001	Gen Sel Evol	Barrillet	5	Jacquin	FRA		INRA		Original	Field	Risk factors		Dairy
158 Binding of a surface protein of Staphylococcus aureus to cultured ovine mammary gland epithelial cells	2001	Vet Microbiol	Aguillar	2	Iturralde	ESP		U Zaragoza	SIA DGA-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 Tierarzt Monats	Winter	3	Baumgartner	AUT		U Vienna	Vet P1	Original	Field	Aetiology		Meat
161 Physiological range of milk contents and somatic cell count in milk of evens with special regard to urea	2002	Tierarzt Prakt 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	MilchWissenSchaft	Antunac	5	Samarzjia	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 Streptococcus equi subsp zooepidemicus	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 pampinta dairy ewes	2002	J Vet Med B	Suarez	6	Canavesio	ARG		Inst Nacional Tecnologico 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	Ariznabarreta	3	Carriedo	ESP		U Leon		Original	Field	Aetiology		Dairy
Production and novel quantification of haemolysins produced by coagulase-negative staphylococci isolated from subclinical mastitis in sheep	2002	Microbiologica	Kanellos	2	Burriel	GBR		U London		Original	Laboratory	Actiology		Meat
169 Immunological responses of the lactating ovine udder following experimental challenge with Staphylococcus epidermidis	2002	Vet Immunol Immunopathol	Winter	2	Colditz	AUT	AUS	U Vienna	CSIRO	Original	Experimental	Pathogenesis		Meat
170 Phagocytic capacity of leucocytes in sheep mammary secretions following weaning	2002	J Anat	Tatarczuch	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 Pseudomonas aeruginosa isolates from mastitis in dairy sheep	2002	Vet Rec	Las Heras	6	Fernandez-Garayzabal	ESP		U Madrid		Original	Field	Actiology		Dairy
Antibody responses in sheep vaccinated against Staphylococcus aureus mastitis: a comparison of two experimental vaccines containing different adjuvants	2002	Vet Res Comm	Tollersrud	6	Lund	NOR		National Veterinary Institute Norway	Agricultural U 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 tilmicosin in ovine mammary infections	2003	Small Rumin Res	Nacari	5	De Montis	ITL.		U Messina	U Sassari	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 epizootiology and control of ewe mastitis	2003	Liv Prod Sci	Bergonier	2	Berthelot	FRA		Ecole Nationale Veterinaire de Toulouse	INRA	Review				
178 Influence of pulsation 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	Ministry of Agriculture Jordan	Original	Field	Actiology	Epidemiology	Dairy
Leucotoxic activities of Staphylococcus aureus strains isolated from cows, ewes, and goats with mastitis: importance of Luk/M/LukF-PV leukotoxin	2003	Clin Diagn Lab Immunol	Rainard	5	Poutrel	FRA		INRA		Original	Laboratory	Actiology		Dairy
181 Genetic parameters for milk somatic cell scores and relationships with production traits in French Lacaune dairy sheep	2003	J Dairy Sci	Rupp	4	Barillet	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 eve milk	2003	Liv Prod Sci	Sevi	5	Centoducati	ITL.		U Foggia	U Bari	Original	Field	Risk factors		Dairy
183 Dynamics of experimentally induced Staphylococcus epidermidis mastitis in East Priesian milk ewes	2003	J Dairy Sci	Winter	4	Colditz	AUT	AUS	U Vienna	CSIRO	Original	Experimental	Pathogenesis		Meat
184 Evaluation of diagnostic procedures for subclinical mastitis in meat-producting sheep	2003	J Dairy Res	Clements	3	Fitzpatrick	GBR		U Glasgow	U London	Original	Field	Diagnosis		Meat
185 Serum anyloid A in the serum and milk mastitis of ewes with mastitis induced experimentally with Staphylococcus epidermidis	2003	Vet Rec	Winter	3	Walshe	AUT	AUS	U Vienna	CSIRO	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 theory	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 Res	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	Dawoodi	IRN		U Urmia		Original	Field	Actiology	Epidemiology	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 Staphylococcus aureus strains isolated from bovine and ovine mammary glands	2003	J Dairy Sci	Pengov	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	Wendorff	USA		U Wisconsin		Original	Field	Effects		Dairy
194 Genotyping of Staphylococcus aureus from various sites on farms with dairy sheep using pulsed-field gel electrophoresis	2003	Vet Microbiol	Vautor	5	Pepin	FRA		AFSSA		Original	Laboratory	Actiology		Dairy
195 Genetic analysis of somatic cell count and milk traits in Manchega evees -Mean lactation and test-day approaches	2003	Liv Prod Sci	Serrano	4	Jurado	ESP		INIA		Original	Field	Risk factors		Dairy
A case of sporadic ovine mastitis caused by Listeria monocytogenes and its effect on contamination of raw milk and raw-milk cheeses produced in the on-farm dairy	2003	J Dairy Res	Schoder	5	Wagner	AUT		U Vienna		Original	Field	Actiology		Dairy
produced in the on-farm 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 Friesian milk sheep	2004	Tierarzt Prax	Fahr	4	Al-Hammoud	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	Silanikove	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	Leitner	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	Leitner	7	Saran	ISR		Kimron Veterinary Institute			Original	Field	Effects		Dairy
202 Clinical and histopathological aspects of naturally occurring mastitis caused by Listeria monocytogenes in cattle and eves	2004	J Vet Med B	Winter	7	Wagner	AUT		U Vienna			Original	Field	Actiology	Pathogenesis	Dairy
203 Changes in milk composition as affected by subclinical mastitis in sheep	2004	I Dairy Sci	Leitner	8	Silanikove	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	Mavrogianni	4	Taitzoglou	GRE		U Thessaly	Aristotle U Thessaloniki		Original	Experimental	Pathogenesis		Dairy
205 Evaluation of molecular and immunological techniques for the diagnosis of mammary aspergillosis in eves	2004	Vet Microbiol	Garcia		Blanco	ESP		U Madrid			Original	Laboratory	Diagnosis		Dairy
205 Evaluation or molecular and immunological techniques for the diagnosis or manimary aspergimoses in eves Effects of selective and complete dry therapy on prevalence of intramammary infection and on milk yield in the subsequent lactation in				3	San Primitivo	ESP						Field	-		
dairy ewes	2004	J Dairy Res	Gonzalo	4				U Leon			Original		Control		Dairy
207 In vitro adherence and invasion of ovine mammary epithelium by Mannheimia (Pasteurella) haemolytica	2004	Vet J	Vilela	3	Morgan	GBR	POR	U Bristol	U Lisbon		Original	Experimental	Pathogenesis		Meat
208 Effects of lambing season and stage of lactation on ever milk quality	2004	Small Rumin Res	Sevi	5	Muscio	III.		U Foggia			Original	Field	Risk factors		Dairy
209 Effects of somatic cell count and stage of lactation on the plasmin activity and cheese-making properties of ewe milk	2004	J Dairy Sci	Albenzio	6	Sevi	III.		U Foggia			Original	Field	Effects		Dairy
210 Antibiotic resistance and epidemiological typing of Staphylococcus aureus strains from ovine and rabbit mastitis	2004	Int J Antimicrob Ag	Goni	6	Gomez	ESP		U Zaragoza			Original	Laboratory	Actiology	Treatment	Dairy
Case report: high prevalence of ovine mastitis, caused by coagulase-negative staphylococci and predisposed by increased gossypol concurrentian	2004	Small Rumin Res	Fthenakis	5	Tzora	GRE		U Thessaly	TEI Epirus		Original	Field	Epidemiology	Risk factors	Dairy
212 Phenotypic and genotypic characteristics of Staphylococcus aureus isolates from raw bulk-tank milk samples of goats and sheep	2004	Vet Microbiol	Scherrer	5	Stephan	SWI		U Zurich			Original	Laboratory	Actiology		Dairy
213 Bacteriology and somatic coll counts in milk samples from ewes on a Scottish farm	2004	Can J Vet Res	Hariharan	4	Keefe	CDN		U Prince Edward Island	Moredun Research Institute		Original	Field	Actiology	Diagnosis	Meat
214 Streptococcus equi subsp ruminatorum subsp nov., isolated from mastitis in small ruminants	2004	Int I Syst Evol Microbiol	Fernandez	7	Fernandez-Garavzahal	ESP		U Madrid			Original	Laboratory	Actiology		Dairy
215 The effects of inoculation of Mannheimia haemolytica into the teat of lactating ewes	2005	Vet Res	Mavrogianni		Sambole	GRE		U Thessaly	Aristotle U Thessaloniki		Original	Exectingental	Pathogeneric		Dairy
					Saratsis				Ansione C Thessaloniki			Experimental	Famogenesis		
216 Investigation of antioxidant enzymes and some biochemical parameters in eves 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	III.		U Palermo			Original	Field	Risk factors		Dairy
218 Evaluation of a combined vaccine against staphylococcal mastitis in ewes	2005	Bull Vet Inst Pulawy	Hadimli	4	Sayin	TUR		U Selcuk			Original	Field	Control		Dairy
219 Somatic cells in sheep milk	2005	Med Wet	Olechnowicz	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 Staphylococcus aureus isolated from ovine intramammary infections in Norway	2005	Vet Microbiol	Mork	5	Waage	NOR		National Veterinary Institute Norway	U Oslo		Original	Laboratory	Actiology		Meat
222 Studies on the use of Blu-Gard spray	2005	Small Rumin Res	Klingmair	3	Baumgartner	AUT		U Vienna			Original	Field	Control		Dairy
223 Investigation and control of mastitis outbreaks caused by Pseudomonas aeruginosa in a sheep flock and a goat	2005	Berl Munch Tierarzt Wochs	Yeruham	7	Goshen	ISR		U Jerusalem			Original	Field	Aetiology	Control	Dairy
224 Genetic parameters of udder traits, somatic cell score, and milk yield in Latxa sheep	2005	J Dairy Sci	Legarra	2	Ugarte	ESP		NEIKER			Original	Field	Risk factors		Dairy
Characterization of 26 isolates of Staphylococcus aureus, predominantly from dairy sheep, using four different techniques of molecular	2005	I Vet Diagn Invest	Vautor	6	Pepin	FRA		AFS5A			Original	Laboratory	Actiology		Dairy
epidemiology	2005	J Clin Microbiol	Mork	-	Waage	NOR			U Oslo			Laboratory			Dairy
226 Comparison of Staphylococcus aureus genotypes recovered from cases of bovine, ovine, and caprine mastitis				5	-			National Veterinary Institute Norway	U Usao		Original	Laboratory	Actiology		
227 Relationship between welfare and udder health indicators in dairy ewes	2006	Vet Res Comm	Caroprese	4	Sevi	III.		U Foggia			Original	Field	Risk factors		Dairy
228 Teat disorders predispose ewes to clinical mastilis Toll-like receptor gene polymorphism and its relationship with somatic cell concentration and natural bacterial infections of the mammary	2006	Vet Res	Mavrogianni	5	Fthenakis	GRE		U Thessaly			Original	Experimental	Pathogenesis		Dairy
gland in sheep	2006	Folia Microbiol	Swiderek	6	Mikula	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	Swiderek	4	Gruszcynska	POL		U Warsaw			Original	Field	Pathogenesis		Dairy
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		JOD		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 milliang on the bacterial flora of the mammary gland and teat duct	2006	J Dairy Res	Mavrogianni	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	Mavrogianni	1	Fthenakis	GRE		U Thessaly			Original	Field	Diagnosis		Dairy
Molecular twoing of Staphylococcus aureus isolated from cows, goats and sheep with intramammary infections on the basis of gene	2006	i Vet Med B	Vermecati	-	Moroni	ш		U Milan			Original	Laboratory	Actiology		Dairy
polymorphisms and toxins genes		Res Vet Sci			Mororu	AUT							10		
	2006		Winter	4	Baumgartner			U Vienna			Original	Field	Pathogenesis	Diagnosis	Dairy
238 Effects of machine-milking on the bacterial flora of teat duct and mammary gland of oves	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	Pesq Vet Brazil	Santos	4	Simao	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	Arranz	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	Maizon	III.		U Palermo			Original	Field	Risk factors		Dairy
242 Effect of weather conditions on somatic cell score in Stcilian Valle del Belice ewes	2007	Ital J Anim Sci	Finocchiaro	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 Shahrekord			Original	Laboratory	Treatment		Dairy
244 Mastitis in small ruminants	2007	Small Rumin Res	Contreras	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	Leegara	5	Arranz	ESP		NEIKER			Original	Field	Effects		Dairy
248 Genetic parameters for milk somatic cell score and relationships with production traits in primiparous dairy sheep	2007	I Dairy Sci	Riggio		Bovenhuis	т.	NED	11 Palermo	U Wageningen		Original	Field	Risk factors		Dairy
240 Others parameters on mile somatic cell score and reamonships with postacion mans in primparous carry sincep 249 Udder health and somatic cell courts in ewes	2007	3 - 3	Maurer		Schaeren	SWI	14110	Forsch Sanstalt Agroscope Liebefeld Posieux	C regenigen			Field	Diagnosis		Dairy
	2007	Agrarforschung Small Rumin Res		2	Schaeren						Original		-		
250 The effect of machine or hand milking on milk production, composition and SCC			Sinapis	1		GRE		Aristotle U Thessaloniki			Original	Field	Diagnosis	Effects	Dairy
	2007					GRE		U Thessaly			Original	Field	Risk factors		Dairy
251 Clinical, bacteriological, cytological and pathological features of teat disorders in ewes	2007	J Vet Med A	Mavrogianni	2	Fthenakis										Dairy
251 Clinical, bacteriological, cytological and pathological features of test disorders in eves 252 Bacterial flora and risk of infection of the ovine test duct and mammary gland throughout lactation			Mavrogianni Mavrogianni	2 3	Fthenakis	GRE		U Thessaly			Original	Field	Risk factors		
253 Bacterial flora and risk of infection of the ovine toat duct and mammary gland throughout lactation 253 Genetics of disease resistance in sheep and goats	2007	J Vet Med A	Mavrogianni Bishop	2 3 2		GRE GBR	NZL		AgResearch New Zealand		Original Review	Field	Risk factors		
252 Bacterial flora and risk of infection of the ovine teat duct and mammary gland throughout lactation	2007 2007	J Vet Med A Prev Vet Med	Mavrogianni	2 3 2 6	Fthenakis	GRE	NZL USA	U Thessaly	AgResearch New Zealand U Rockfeller			Field	Risk factors Aetiology		Dairy
25 Bacterial flow and tisk of indextion of the orise tota duct and mammary gland throughout lactation 230 Genetics of disease resistance in shorps and goals ₁₄₀ Characterization of Supphyteoceas arous totates from buffats, bovitor, orise, and caprite milk samples collected in Rio de Janetro State,	2007 2007 2007	J Vet Med A Prev Vet Med Small Rumin Res	Mavrogianni Bishop	2 3 2 6 5	Fthenakis Morris	GRE GBR		U Thessaly Roslin Institute			Review				Dairy Dairy
252 Easterial flora and risk of infection of the ovine tot duct and mammary gland throughout lactation 253 Genetics of disease resistance in shorp and goals 254 Oharacherization of Suphylococcus aureus lodates from buffals, howing, oning, and captine milk samples collected in Rio de Janeiro State, Bazal	2007 2007 2007 2007	J Vet Med A Prev Vet Med Small Rumin Res Appl Environ Microbiol	Mavrogianni Bishop Aires-De-Sousa	2 3 6 5 5	Fthenakis Morris de Lencastre	GRE GBR POR		U Thessaly Roslin Institute New U Lisbon			Review Original	Laboratory	Actiology		
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252 Bacterial flows and risk of indextion of the oricle total dust and mammary gland throughout lactation 253 Carentics of dissues resistance in shorps and goats 254 Characterization of Supply processes assess locates for how buffals, howing, oriting, and caprime milk samples collected in Rio de Janeiro State, Brazil 255 Presence of subspittelial hympolical reduits: in the tot of eves 256 The bacterial flows in the load duct of eves can protect against and can cause maailitis	2007 2007 2007 2007 2007 2007	J Vet Med A Prev Vet Med Small Rumin Res Appl Environ Microbiol Anat Histol Embryol Vet Res	Mavrogianni Bishop Aires-Do-Sousa Mavrogianni Fragkou	2 3 6 5 5 7 5	Fihenakis Morris de Lencastre Fihenakis Fihenakis	GRE GBR POR GRE GRE		U Thessaly Rodin Institute New U Liabon U Thessaly U Thessaly			Review Original Original Original	Laboratory Laboratory Experimental	Aetiology Pathogenesis Pathogenesis		Dairy Dairy
25 Bacterial flows and risk of infection of the ovines load dust and mammary gland throughout lectation 26 Careficies of dissues residuants in shorp and goods 26 Charteriation of Suphylococcurs areas isolates from buildis, bovine, orien, and capetine milk samples collected in Elo de Janeiro State, flow 26 Entertiation of Suphylococcurs areas isolates from buildis, bovine, orien, and capetine milk samples collected in Elo de Janeiro State, flow 26 Entertiation of Suphylococcurs areas isolates from buildis, bovine, orien, and capetine milk samples collected in Elo de Janeiro State, flow 27 Presence of adoptitubility hypoted modules in the tost of eves 28 Flow or out - optitybility hypotential subscreamers to orient anamary eighterium 29 Elifect of distary sinc upon in vitro bacterial adherence to orien manamary eighterium	2007 2007 2007 2007 2007 2007 2007	J Vet Med A Prev Vet Med Small Rumin Res Appl Environ Microbiol Anat Histol Embryol Vet Res Small Rumin Res	Mavrogianni Bishop Aires-De-Sousa Mavrogianni Fragkou Fragkou	2 3 6 5 7 5 7 5	Fithenakis Morris de Lencastre Fithenakis Fithenakis Fithenakis	GRE GBR POR GRE GRE GRE		U Theosady Roolin frantitute New U Liabon U Theosady U Theosady U Theosady			Review Original Original Original Original	Laboratory Laboratory Experimental Laboratory	Aetiology Pathogenesis Pathogenesis Pathogenesis		Dairy Dairy Dairy Dairy
212 Eactorial flows and tak of indection of the orise tota duct and mammary gland throughout lactation 213 Carentics of disease restations in shorp and goals 214 Characterization of Suphylococcura areas totated from buffats, hoving, orise, and capetine milk samples collected in Rio de Janetro State, Brazil 215 Presence of tak-pitchell lymphoid nodules in the test of eves 216 Presence of tak-pitchell lymphoid nodules in the test of eves 217 Presence of tak-pitchell lymphoid nodules in the test of eves (and the test)). 218 Iffect of edeery air tests on its instoardial afference for test mammary gland through the stat of eves (and the test). 219 Iffect of edeery air tests on its instoardial afference for test mammary graphtelian 219 Iffect of edeery air tests on its instoardial afference for test mammary graphtelian 219 Iffect of edeery air tests on its instoardial afference for test mammary graphtelian 219 Inte-test endaysis of mactitis af first-lactation in Valle die blieke eves	2007 2007 2007 2007 2007 2007 2007 2007	J Vet Mad A Prev Vet Mad Small Rumin Res Appel Environ Microbiol Anat Histol Embryol Vet Res Small Rumin Res Rev Mad Vet Liv Sci	Mavrogianni Bishop Alres-De-Sousa Mavrogianni Fragkou Fragkou Salanda Portolano	2 3 6 5 7 5 5 5 5	Fiberakis Morris de Lencastre Fiberakis Fiberakis Vilela Maizon	GRE GBR POR GRE GRE FOR FOR		U Thousdy Room Institute New U Labon U Thousdy U Thousdy U Thousdy U Labon U Falermo	U Roddelwr		Review Original Original Original Original Original	Laboratory Laboratory Experimental Laboratory Laboratory Field	Aetiology Pathogenesis Pathogenesis Pathogenesis Pathogenesis Risk factors		Dairy Dairy Dairy Dairy Dairy
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266 Pseudomonas aeruginosa mastitis outbreaks in sheep and goat flocks	2007 Vet Immunol Immunop 2007 Small Rumin Res		2 Krifucks	ISR		Kimron Veterinary Institute			Original	Experimental	Control		Dairy
267 Program for the control of subclinical mastitis in dairy Chios breed ewes during lactation		Kiossis	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 Teat lesions predispose to invasion of the ovine mammary gland by Mannheimia haemolytica	2007 J Comp Pathol 2007 Biotechnol Biotecholog I	Fragkou iquip Martinov	5 Fthenakis	GRE		U Thessaly National Veterinary Institute Bulgaria			Original	Experimental Field	Risk factors Aetiology	Pathogenesis	Dairy
270 Studies on mastilis in sheep, caused by Cosiella burnetii 271 Patterns of matemal-offspring behaviour of dairy sheep and potential association with mammary health	-		1	GRE		National Veterinary Institute Bulgaria U Thessaly			Original				Dairy
	2007 Can J Anim Sci 2007 Appl Anim Behay S	Gougoulis Si Villagra	9 Fthenakis 5 Fernandez	ESP		U Inessaiy U Valencia			Original Original	Field	Pathogenesis Risk factors		Dairy
272 Order of sheep entry into the milking parloar and its relationship with their milkability 273 Profile and evolution of antimicrobial resistance of ovine mastitis pathogens (1995-2004)	2007 Appi Anim Binav S 2008 Small Rumin Res	Lollai	6 Leori	ITL					-	Laboratory	Treatment		Dairy
27.5 Prome and evolution of antimicronul resistance of ovine mastitis pathogens (1995-2004) 274 Estimate of milk and curd yield loss of sheep and goats with intrammamary infection and its relation to somatic cell count	2008 Small Rumin Res 2008 Small Rumin Res	Lottai	6 Leon 3 Merin	ISR		Inst Zooprofilatico Sardegna Kimron Velerinary Institute	National Reference Centre Sheep & Goats Agri Research Organisation Israel		Original Original	Field	Effects		Dairy
274 Estimate of muix and curd yield loss of sneep and goats with intrammamary intection and its relation to somatic cell count 275 Dry-off treatment of Assaf sheep: efficacy as a management tool for improving milk quantity and quality	2008 Small Rumin Res 2008 Small Rumin Res	Shwimmer	5 Leitner	ISK		Kimron Veterinary Institute	Agri Research Organisation Israel Ministry of Agriculture Israel		Original	Field	Control		Dairy
275 Disease threats to sheep associated with intensification of pastoral farming	2008 NZ Vet J	Ridler	6 Leiner	GBR		U London	ministry of Agriculture istaet		Review	Field	Corrior		Dairy
Ovine Listeria monocytogenes mastitis and human exposure via fresh cheese from raw milk -the impact of farm management, milking and	2008 N2 ver j 2008 MilchWissenSchaft	Schoder	6 Wagner	AUT		U Vienna			Original	Experimental	Effects		Dairy
 277 cheese manufacturing practices 278 Subclinical mastitis in sheep: etiology, epidemiology and diagnosis methods 	2008 Kaf Univ Vet Fakult D		· ·	TUR		U Kirikkale			Review	Lapermeteria	Lincia		Dany
278 Subclinical massins in safety enougy, epidemiology and diagnosis memous 279 Antimicrobial use in the Alberta sheep industry	2008 Can J Vet Res	Avery	7 McEwen	CDN		Public Health Agency Canada	Ministry of Agriculture Canada		Original	Field	Treatment		Dairy
 202 Financial one of the structure mattery 203 Effects of lamb sucking on the bacterial flora of teat duct and mammary gland of ewes 	2008 Reprod Dom Anim	Gougoulis	6 Fthenakis	GRE		UThessalv	summery of Agriculture Canada		Original	Experimental	Pathogenesis		Dairy
 281 Breeding for resistance to mastific in United Kingdom sheep, a review and economic appraisal 	2008 Vet Rec	Conington	4 Bunger	GRE		Scottish Agricultural College			Review	Lapermeteria	1 anti-generati		Dany
202 Subclinical mastitis changes the patterns of maternal-offspring behaviour in dairy sheep	2008 Vet I	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 Volke	-	2 Knappstein	GER		Federal Research Inst For Rural areas Germany	Max Ruber Inst		Original	Field	Diagnosis		Dairy
 265 EC, and CNT detect subclinical massions in darry sincep our ass sensitive main in darry tows 284 Effects of experimental challenge of ewes with Mannheimia haemolytica on subsequent milk composition 	2008 J Dairy Res	Fragkou	2 Knappstein 12 Fthenakis	GRE		U Thessaly	Max Ruber Inst		Original	Experimental	Effects		Dairy
205 Evaluation of a prophylactic method against clinical mastilis in Santa Ines ewes	2008 Are Brasil Med Vet Z		6 Mata	BRA		U Brazilia	Agricultural Research Organisation Brasil		Original	Field	Control		Dairy
286 Cellular and microbiological profile of Santa Ines ewes in the lactation and the post-weaning period.	2008 Pesq Vet Brazil	Blagitz	11 Della Libera	BRA		U Sao Paolo	Agreement restarch cognition of the		Original	Field	Diagnosis		Dairy
Influence of an intramammary infusion at drying-off of combined penethamate hydriodide, benethamine penicillin, and framycetin sulfate	2008 J Dairy Sci	Linage	2 Comple	ESP		U Leon			Original	Field	Control		Dairy
 on intramammary infections and somatic cell counts in dairy sheep Risk factors and impacts of clinical and subclinical mastitis in commercial meat-producing sheep flocks in Quebec, Canada 	2008 Prev Vet Med	Arsenault	4 Belanger	CDN		U Montreal			Original	Field	Risk factors	Effects	Meat
288 Nisk tactors and impacts of chinical and subclinical mastitis in commercial meat-producing sheep flocus in Queese, Canada 289 Individual animal risk factors for clinical mastitis in meat sheep in Norway	2008 Prev Vet Med 2008 Prev Vet Med		4 Betanger 2 Vatn	NOR		U Montreal U Oslo	Ministry of Agriculture Norway			Field	Risk factors	Effects	Meat
		Waage	2 Vatn 8 Demir	TUR			Ministry of Agriculture Norway		Original	Field			Dairy
290 Prevalence and etiology of subclinical mastitis in Awassi dairy ewes in southern Turkey 291 Ultrasonoeraphic examination of the ovine udder	2009 Turk J Vet Anim Sc 2009 Tierarzt Prakt Aus Gross		8 Demir 3 Wehrend	GER		U Mustafa Kemal U Giessen			Original		Aetiology	Epidemiology	Meat
		Nutz Hiepler Sechi		GER					Original	Experimental	Diagnosis		
292 Estimation of (co)variance components of nematode parasites resistance and somatic cell count in dairy sheep			7 Casu			AGRIS Sardegna			Original	Field	Risk factors		Dairy
293 Study of beta-defensin polymorphisms in Valle del Belice dairy sheep Usefulness of the E-test for the determination of the susceptibility of Staphylococcus sp. Isolated from milk of sheep and goats with	2009 Ital J Anim Sci	Monteleone	4 Portolano	ITL.		U Palermo			Original	Field	Risk factors		Dairy
294 subclinical mastitis to amikacin and amoxicillin-clavularic acid	2009 Bull Vet Inst Pulaw	Kirecci	4 Saribay	TUR		U Ataturk	U Mustafa Kemal		Original	Laboratory	Treatment		Dairy
295 The effect of estrus synchronization treatments on somatic cell count of transitional-anestrus Awassi ewes' milk	2009 Trop Anim Hith and F		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 Foucras	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 Zooprofilatico Sardegna		Original	Field	Diagnosis		Dairy
298 Risks of antibiotic residues in milk following intramammary and intramuscular treatments in dairy sheep Protection from Staphylococcus aureus mastitis associated with poly-N-acetyl beta-1,6 glucosamine specific antibody production using	2009 Analyt Chim Acta	Pengov	2 Kirbis	SLV		U Ljubljana			Original	Field	Treatment		Dairy
257 biofilm-embedded bacteria	2009 Vaccine	Perez	16 Amorena	ESP		U Navara	SIA DGA-Zaragoza	U Zaragoza	Original	Experimental	Control		Dairy
epithelial cells and to attenuated virulence in murine and ovine models	2009 Microbiol SGM	Martinez-Pulgarin	4 de la Fuente	ESP		U Madrid			Original	Laboratory	Pathogenesis		Dairy
301 Association between a case study of asymptomatic ovme insterial mastitus and the contamination of soft cheese and cheese processing environment with Listeria monocytogenes in Portugal	2009 Foodborne Pathog D	is Pintado	6 McLauchlin	POR		U Lisbon	Ministry of Health UK		Original	Field	Effects		Dairy
302 Pharmacokinetics and efficacy of teicoplanin 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 Lentivirus-control	2009 Small Rumin Res	Juste	5 de Heredia	ESP		NEIKER			Original	Field	Aetiology	Effects	Dairy
304 Development of serological proteome analysis of mastitis by Staphylococcus aureus in ewes	2009 J Microbiol Meth	Le Marechal	8 Le Loir	FRA		INRA			Original	Laboratory	Aetiology		Dairy
Difference in virulence between Staphylococcus aureus isolates causing gangrenous mastitis versus subclinical mastitis in a dairy sheep flock	2009 Vet Res	Vautor	8 Lindsay	FRA	GBR	APSSA	U London		Original	Field	Pathogenesis		Dairy
30 ³⁰ flock 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	Ciftci	5 Sogut	TUR		U Ondokuz Mayis	U Amasya		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	m.	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 Zooprofilatico 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
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	Pathogenesisi		Dairy
Proteinogram and serum concentrations of copper, iron and zinc in Santa Ines ewes with Staphylococcus aureus experimentally induced mastitis.	2010 Pesq 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	Pilipcincova	4 Travnicek	SLK		U Kosice			Original	Laboratory	Actiology		Dairy
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 GBR	U Palermo	U Wageningen	U Edinburgh	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 rRNA and gap genes	2010 Vet Microbiol	Onni	7 Tolla	m.		Inst Zooprofilatico Sardegna			Original	Laboratory	Actiology		Dairy
319 Small ruminant mastitis in Brazil.	2010 Pesq Vet Brazil	Peixoto	3 da Costa	BRA		U Vale Sao Francisco			Original	Field	Actiology		Dairy
320 Etiology and profile of antimicrobial sensitivity of bacteria from small ruminant mastitis and relationship of diagnostic techniques.	2010 Pesq Vet Brazil	Peixoto	5 da Costa	BRA		U Vale Sao Francisco			Original	Laboratory	Treatment		Dairy
321 Mannheimia species associated with ovine mastitis	2010 J Clin Microbiol	Omaleki	4 Browning	AUS		U Melbourne			Original	Laboratory	Actiology		Meat
Acute mastitis induces upregulation of expression of plasminogen activator-related genes by blood monocytes and neutrophils in dairy ewes	2010 Vet Immunol Immunop	athol Theodorou	6 Politis	GRE		Agricultural U Athens			Original	Laboratory	Pathogenesis		Dairy
323 Staphylococcus aureus mastitis in Texel sheep associated with suckling twins	2010 Vet Rec	Koop	3 Rieterse	NED		U Utrecht			Original	Field	Risk factors		Meat
324 Etiology and antimicrobial susceptibilities of bacteria isolated from sheep with mastitis in northeastern Para, Brazil.	2010 Pesq Vet Brazil	Silva	8 Barbosa	BRA		U Para			Original	Laboratory	Aetiology	Treatment	Dairy
325 Antimicrobial susceptibility of coagulase-negative staphylococci isolated from meat-producing eves with mastitis	2010 Arq Brasil Med Vet Z	oot Della Libera	8 Gomes	BRA		U Sao Paolo			Original	Laboratory	Treatment		Dairy
326 Effect of freezing and preincubaton on isolation of coagulase-negative staphylococci from ewes' milk samples	2011 Semina Cien Agran	Blagitz	7 Della Libera	BRA		U Sao Paolo			Original	Laboratory	Aetiology		Dairy
327 Effects of intramammary infections on somatic cell score and milk yield in Sarda sheep	2011 NZ Vet J	Cuccuru	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 Zooprofilatico Sardegna	U Zurich	U California Davis	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 Menzies	CDN		U Gaelph			Original	Field	Treatment		Dairy
330 Investigation of toxin genes of Staphylococcus aureus strains isolated from gangrenous mastitis in eves	2011 Kaf Univ Vet Fakult D	erg Tel	5 Demir	TUR		U Harran	U Mustafa Kemal		Original	Laboratory	Actiology		Dairy
331 Characterization of ovine mastitis in Santa Ines sheep in the north of Minas Gerais: occurrence, etiology and epidemiology	2011 Rev Caatinga	de Morais	6 Duarte	BRA		U Minas Gerais			Original	Field	Actiology	Risk factors	Dairy
331 Characterization of ovine mastilis in Santa Ines sheep in the north of Minas Geraiis occurrence, etiology and epidemiology Antimicrobial resistance of Staphylococcus aureus and coagulase negative staphylococci isolated from mastilis milk samples from sheep and goals	2011 Schweizer Arch Tiera	rzt 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		Caroprese II		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	Giadinis	7	Fthenakis GF	RE	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	Le Loir FR	RA	INRA	ANSES	Agrocampus Ouest	Original	Laboratory	Pathogenesis		Dairy
336 Antimicrobial susceptibilities and population structure of Staphylococcus epidermidis associated with ovine mastitis	2011 Vet Microbiol	Onni	4	Tola II	п.	Inst Zooprofilatico Sardegna			Original	Laboratory	Aetiology	Treatment	Dairy
337 Transmission of Mannheimia haemolytica from the tonsils of lambs to the teat of ewes during sucking	2011 Vet Microbiol	Fragkou	8	Fthenakis GF	RE	U Thessaly			Original	Experimental	Aetiology	Risk factors	Dairy
338 Principles of mastitis treatment in sheep and goats	2011 Vet Clin NA Food Anim Pract	Mavrogianni	4	Fthenakis GF	RE	U Thessaly			Review				
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	Silanikove IS	SR	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	Gonzalo ES	SP	U Leon			Original	Field	Actiology	Risk factors	Dairy
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 FR	RA	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	Le Loir FR	RA	INRA	ANSES	Agrocampus Ouest	Original	Laboratory	Actiology	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 US	SA	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	Giuffra II		FRA Parco Technologico Padano	U Pennsylvania	INRA	Original	Laboratory	Pathogenesis		Dairy
Novel sequence types (STs) of Staphylococcus aureus isolates causing clinical and subclinical mastitis in flocks of sheep in the northeast of Novel sequence types (STs) of Staphylococcus aureus isolates causing clinical and subclinical mastitis in flocks of sheep in the northeast of	2011 J Dairy Res	de Almeida		Mamizuka BR		U Sao Paolo			Original	T-bb	Aetiology	Pathogenesis	Dairy
braza			•	Green GE						Laboratory		Famogenesis	Meat
346 Preliminary investigation into the effect of freezing and a cryopreservant on the recovery of mastitis pathogens from ewe milk	2011 J Dairy Sci	Smith	4			U Warwick			Original	Laboratory	Aetiology		
347 Cellular dynamics and microbiological quality of milk of Santa Ines ewes accompanied during lactation	2011 Pesq Vet Brazil	Guarana	8 I	Ne Mendonca BR		U Pernambuco			Original	Field	Diagnosis		Dairy
348 Effect of subclinical mastitis on proteolysis in ovine milk	2011 J Dairy Sci	Marti de Olives	5			U Miguel Hernandez	U Valencia		Original	Experimental	Effects		Dairy
349 Molecular basis of virulence in Staphylococcus aureus mastitis	2011 Plos One	Le Marechal	16	Loir FR		INRA	ANSES	Agrocampus Ouest	Original	Laboratory	Pathogenesis		Dairy
350 The role of Mannheimia species in ovine mastilis	2011 Vet Microbiol	Omaleki	4	Joanne At		U Melbourne			Review				
351 Isolation of microbial pathogens of subclinical mastitis from raw sheep's milk of Epirus (Greece) and their role in its hygiene	2011 Anaerobe	Fotou	9	Demertzis GF		U Ioannina	TEI Epirus		Original	Field	Actiology		Dairy
The Importance of staphylococci and threshold value of somatic cell count for diagnosis of sub-clinical mastitis in Pirlak sheep at mid- lactation	2011 Reprod Dom Anim	Ozenc	6	Dogan TL	UR	U Afyon			Original	Field	Diagnosis		Dairy
353 Somatic cell count and California Mastitis Test as a diagnostic tool for subclinical mastitis in ewes	2012 Acta Scient Vet	Pradiee	10	Schmidt BR	RA	U Rio Grande do Sul	U Pelotas		Original	Field	Diagnosis		Dairy
Antimicrobial susceptibility, presence of resistance genes and biofilm formation in coagulase-negative staphlococci isolated from subclinical sheep mastitis	2012 Kaf Univ Vet Fakult Derg	Ergun	6	Boyar TL	UR	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 Kaf Univ Vet Fakult Derg	Tel	2	Bozkaya TL	UR	U Harran			Original	Field	Actiology		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 KC	OR BGD	U Shonbuk	Inst Livestock Research Bangladesh		Original	Field	Actiology	Treatment	Dairy
357 Somatic cell counts and total bacterial counts in bulk tank of small ruminants	2012 Sloven Vet Res	Olechnowicz	2	Jaskowski PC	DL	U Poznan			Original	Field	Diagnosis		Dairy
Detection of stapylococcal enterotoxin, methicillin-resistant and Panton-Valentine leukocidin genes in coagulase-negative staphylococci isolated from cows and evers with subclinical maritits	2012 Trop Anim Hith and Prod	Unal	2	Cinar TL	UR	U Kirikkale			Original	Laboratory	Actiology		Dairy
Panton-Valentine leukocidin and some exotoxins of Staphylococcus aureus and antimicrobial susceptibility profiles of staphylococci isolated	2012 Trop Anim Hith and Prod	Unal	6	Yildirim TL	UR	U Kirikkale			Original	Laboratory	Actiology		Dairy
509 from milks of small ruminants Genetic susceptibility to S. aureus mastitis in sheep: differential expression of mammary epithelial cells in response to live bacteria or 500	2012 Physiolog Genom	Bonnefont		Foucras FR	PA	U Toulouse	INRA		Original	Laboratory	Pathogenesis		Dairy
supernatant 361 Lactation stage and udder health status of Santa Ines evees	2012 Arg Brasil Med Vet Zoot	Blagitz		Della Libera BR		U Sao Paolo			Original	Field	Risk factors		Dairy
 Section of any mini double remain section of contra and sections Clonal diversity of Staphylococcus aureus originating from the small ruminants goats and sheep 	2012 Vet Microbiol	Porpero		Aarestrup DE		Technical II Denmark	11 Madrid		Original	Laboratory	Actiology		Dairy
362 Ciona diversity or Staphytococcus aureus originating from the small runnamis goats and sneep 363 Investigation of the antibiotic resistance and biofilm formation of Staphylococcus aureus strains isolated from gangrenous mastitis of ewes	2012 Vet Microbiol	Tel	-	Demir TL		U Harran	U Mustafa Kemal		Original	Laboratory	Aetiology		Dairy
365 investigation or the antibotic resistance and nomini formation of Staphytococces aureus strains source from gangemote masters or eves 364 Detection of Mycobacterium avium subsp paratuberculosis in intestinal and mammary tissues and in lymph nodes of sheep with different	2012 Acta ver Hung 2012 Small Rumin Res	Preziuso	2	Renzoni II		U Camerino	O MUSTAR Kemar		Original	Field	Aetiology		Dairy
techniques and its relationship with enteric lesions			2										
365 Staphylococcus aureus proteins differentially recognized by the ovine immune response in mastitis or nasal carriage Effects of intra-mammary bacterial infection with coagulase negative staphylococci and stage of lactation on shedding of epithelial cells and	2012 Vet Microbiol	Seyffert	13	Le Loir FR		INRA	U Minas Gerais	Agrocampus Ouest	Original	Laboratory	Aetiology		Dairy
infiltration of leukocytes into milk: Comparison among cows, goats and sheep	2012 Vet Immunol Immunopathol	Leitner		Silanikove IS		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		Ciliberti II		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	Giadinis	8	Fthenakis GF		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	Omaleki	4	Barber At	US	U Melbourne			Original	Laboratory	Actiology		Meat
370 Antimicrobial resistance of Staphylococcus spp. from small ruminant mastitis in Brazil	2012 Pesq Vet Brazil	Franca	8	Costa BB	RA	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	Arias	7 P	erez-Guzman ES	SP	U Leon	Council Agriculture and Environment Spain		Original	Field	Risk factors		Dairy
372 Subclinical mastitis caused by Staphylococcus coagulase negative in meet-producing sheep	2012 Arq Brasil Med Vet Zoot	Tejada	6	Timm BR	RA	U Pelotas			Original	Field	Actiology		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 GE	BR	U Warwick			Original	Field	Effects		Meat
374 Somatic cell count in small ruminants: friend or foe?	2012 Small Rumin Res	Souza	6	Cerquiera BB	RA	U Minas Gerais			Review				
Effects of drying-off procedure of ewes' udder, with intramammary antibiotic administration, in subsequent mammary infection and development of masilitis	2012 J Hell Vet Med Soc	Petridis	6	Fthenakis GF	RE	U Thessaly			Original	Experimental	Control		Dairy
development of mastitus 376 Tissue distribution of enrofloxacin after intramammary or simulated systemic administration in isolated perfused sheep udders	2012 Am J Vet Res	Cadenas	7	Vieitez ES	SP	U Leon			Original	Experimental	Treatment		Dairy
377 Molecular characterization of enterotoxigenic and borderline oxacillin resistant Staphylococcus strains from ovine milk	2012 Food Microbiol	Perillo	6	Colombo II	п.	U Roma			Original	Laboratory	Actiology		Dairy
Survey of accessory gene regulator (agr) groups and TSST-1 encoding gene (tst) in Staphylococcus aureus isolated from ewes with mastilits	2013 Iran J Vet Res	Saei	3	Zadeh IR		U Urmia			Original	Laboratory	Actiology		Dairy
in the northwest of Iran 379 Peripheral blood and milk leukocytes subsets of lactating Sarda ewes	2013 Ital J Anim Sci	Bonelli	-	Nicolussi II		Inst Zooprofilatico Sardegna			Original	Field	Pathogenesis		Dairy
Comparative analysis of agr groups and there or national and groups and a wess Comparative analysis of agr groups and thereas a mong subclinical and clinical mastitis Staphylococcus aurous isolates manual and a solid to Mathematical direction	2013 Braz J Microbiol	de Almeida		Mamizuka BR		U Sao Paolo				Laboratory	Pathogenesis		Dairy
500 from sheep flocks of the Northeast of Brazil 381 Phenotypic and molecular characterization of isolates of Staphylococcus spe. obtained from sheep milk Chaptero-SC	2013 Semina Cien Aerar			Girardini BB		U Santa Catarina			Original	Laboratory	Actiology		Dairy
 Prienotypic and motecular characterization of isolates of Staphylococcus spp. obtained from sneep mult Chapleco-St. Etiology of mastitis in native goats and sheeps born and raised in Brazilian semi-arid biom 	2013 Semina Cien Agrar 2013 Med Vet Recife	Agnol Silva	8	Girardini BR		U Santa Catarina				Field	Aetiology		Dairy
			9						Original				
dairy sheep using a threshold animal model	2013 Liv Sci	Tolone		Portolano II		U Palermo			Original	Field	Risk factors		Dairy
304 tank milk	2013 J Dairy Sci	de Garnica		Gonzalo ES		U Leon			Original	Field	Risk factors	Diagnosis	Dairy
385 Comparative molecular analysis of ovine and bovine Streptococcus uberis isolates	2013 J Dairy Sci	Gilchrist	5	Fontaine GE		Moredun Research Institute			Original	Laboratory	Aetiology		Meat
386 Molecular screening of ovine mastitis in different breeds	2013 J Dairy Sci	Guerreiro	5	Duarte PC	OR	IBPeja	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 GF	RE	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 GF	RE	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 IT	ri.	U Sassari			Original	Field	Actiology		Dairy
390 Methodology variations in milk somatic cell count from Santa Ines ewes	2013 Cienc Rural	Blagitz	7	Della Libera BR	RA	U Sao Paolo			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	Chiaradia	10	Benda II	n.	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 FR	RA	INRA	ANSES	Agrocampus Ouest	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	Portolano II	TL NED	U Palermo	U Wageningen		Original	Field	Diagnosis		Dairy
394 Mastitis detection in sheep by infrared thermography	2013 Res Vet Sci	Martins	7	McManus BB	RA	U Rio Grande do Sul	an an		Original	Field	Diagnosis		Dairy
395 Proteclysis and partial dephosphorylation of casein are affected by high somatic cell counts in sheep milk	2013 Food Res Inter	Pinto		Chianese II		U Napoli			Original	Field	Effects		Dairy
Production and release of antimicrobial and immune defense proteins by mammary epithelial cells following Streptococcus	2013 Infect Immun	Addis		Schianchi II		Ponto Conte Research	11 Saccard		Original	Field	Pathogenesis		Dairy
³⁹⁶ uberis infection of sheep 397 Energy, protein and mineral metabolism in Santa Ines ewes, both healthy and with subclinical mastitis	2013 Pesq Vet Brazil	da Silva		le Mendonca BR		U Pernambuco	C Jacoba L		Original	Field	Effects		Dairy
 297 Energy, protein and mineral instances in Santa lines ewes, both healthy and with subcunical mastitis 298 Staphylococcus aureus and Escherichia coli prevalence in ovine bulk tank milk 	2013 Pesq vet Brazii 2013 Small Rumin Res	da Suva de Garnica	5 6	Gonzalo ES		U Pernambuco U Leon			Original	Field	Aetiology		Dairy
			3										
399 Study on the possible survival of Staphylococcus chromogenes through the dry period in dairy eves	2013 Small Rumin Res	Kiossis	6	Boscos GF	KE	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 eves	2013	J Dairy Res	Miglio	7	Maresca	ITL.		U Perugia	Inst Zooprofilatico 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 Olives	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 Hith and Prod	Blagitz	8	Della Libera	BRA		U Sao Paolo			Original	Field	Aetiology		Meat	
404 Risk factors, etiology and clinical aspects of mastitis in meat eves of Parana, Brazil	2014	Pesq Vet Brazil	Pereira	5	Lisboa	BRA		U Londrina			Original	Field	Actiology	Risk factors	Meat	
Prevalence, pathogenic capability, virulence genes, biofilm formation, and antibiotic resistance of Listeria in goat and sheep milk confirms need of hygienic milking conditions	2014	Pathogens Global Health	Osman	4	Orabi	EGY		U Cairo			Original	Laboratory	Aetiology		Dairy	
406 Genetic parameters for somatic cell count, logSCC and somatic cell score of breeds: improved Valachian, Tsigai, Lacaune and their crosses	2014	Acta Vet Beograd	Makovicky	5	Diabelkova	SLV		U Komarno	U Pavol Jozef Safarik		Original	Field	Risk factors	Diagnosis	Dairy	
407 Trematode infections in pregnant eves can predispose to mastitis during the subsequent lactation period	2014	Res Vet Sci	Mayrogianni	9	Fthenakis	GRE		U Thessalv			Original	Field	Risk factors		Dairy	
408 Mastitis in small ruminants	2014	Med Wet	Olechnowicz	2	Jaskowski	POL		U Poznan			Review					
409 Administration of antibiotics to ewes at the beginning of the dry-period	2014	I Dairy Res	Petridis	-	Fthenakis	GRE		U Thessaly			Review					
407 Administration of antipolicy to every at the beginning on the uty-period Thermographic variation of the udder of dairy eves in early lactation and following an Escherichia coli endotoxin intramammary challenge 410	2014	J Dairy Kes	Castro-Costa	-	Aguilo	ESP		U Barcelona				Field			Dairy	
in late lactation				ь	-						Original	Field	Diagnosis		Dairy	
411 Diagnosis of clinical or subclinical mastitis in ewes	2014	Small Rumin Res	Fragkou	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	III.		U Palermo	Inst Zooprofilatico Sicilia		Original	Field	Effects		Dairy	
413 Study on Correlation of Maedi-Visna Virus (MVV) with Ovine Subclinical Mastitis in Iran	2014	Ind 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	U Cornell		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	Karagiannis	8	Brozos	GRE		Aristotle U 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 coves	2014	J Dairy Sci	Zadoks	7	Ballingall	GBR		Moredun Research Institute	U Glasgow		Original	Laboratory	Actiology		Meat	
5taphylococcus aureus from 152 cases of bovine, ovine and caprine mastitis investigated by Multiple-locus variable number of tandem	2014	Vet Res	Bergonier	10	Vergnaud	FRA		U Toulouse	INRA	U Paris	Original	Laboratory	Actiology		Dairy	
repeat analysis (MLVA) Sequence diversity, cytotoxicity and antigenic similarities of the leukotoxin of isolates of Mannheimia species from mastitis in	2014	Vet Microbiol	Omaleki		Markham	AUS		U Melbourne			Original	Laboratory	Actiology		Meat	
4.20 domestic sheep 421 Yeasts in the raw ewe's milk	2014	Acta Scient Vet	Spanaberg	-	Santurio	BRA		U Rio Grande do Sul	U Santa Maria		Original	Field	Actiology		Dairy	
			Spanaberg	8					U Santa Maria				-			
422 Effects of lactation stage, lactation order and udder types on udder traits and composition of milk in Tuj ewes	2015	Ank Univers Vet Fakult Derg	Sari	3	Onk	TUR		U Kafkas			Original	Field	Risk factors		Dairy	
423 Sheep mill: physical-chemical characteristics and microbiological quality	2015	Arq Latinoameric Nutr	Merlin	7	de Santana	BRA		U North Parana			Original	Laboratory	Effects		Dairy	
424 Divergence of a strain of Pseudomonas aeruginosa during an outbreak of ovine mastitis	2015	Vet Microbiol	Wright	11	Winstanley	GBR		U Liverpool			Original	Laboratory	Aetiology		Meat	
425 Effects of intramammary antibiotic therapy during the dry period on the performance of Lacaune dairy sheep under intensive management	2015	J Dairy Res	Hernandez	7	Astiz	ESP		INIA	Granja 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 proteinograms of sheep during lactation	2015	Pesq Vet Brazil	Lemos	7	de Mendonca	BRA		U Pernambuco			Original	Field	Effects		Dairy	
428 Host-specificity of Staphylococcus aureus 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	Actiology		Dairy	
429 Prevalence, genetic diversity, and antimicrobial susceptibility profiles of Staphylococcus aureus isolated from bulk tank milk from Greek traditional asing forms	2015	Small Rumin Res	Zdragas	10	Lagka	GRE		Agricultural Organisation Dimitra Greece	TEI Thessaloniki		Original	Laboratory	Actiology		Dairy	
Effect of subclinical inframammary infection on milk quality in dairy sheep: I. Fresh-soft cheese produced from milk of uninfected and	2015	Small Rumin Res	Rovai	5	Leitner	ISR		Kimron Veterinary Institute	U Barcelona		Original	Field	Effects		Dairy	
 infected glands and from their blends Relationship of somatic cell count and composition and coagulation properties of ewe's milk 	2015	Mljekarstvo	Villalobos	7	da Cunha	ESP		U Cordoba			Original	Field	Effects		Dairy	
 432 Clonal profile, virulence and resistance of Staphylococcus aureus isolated from sheep milk 	2015	Braz J Microbiol	Martins	-	da Cunha	BRA		U Paulista			Original	Laboratory	Actiology		Daily	
Price of extended and the test second se	2015			9											Dairy	
4.33 uninfected and infected glands and from their blends		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 Complete genome sequence of Corynebacterium camporealensis DSM 44610, isolated from the milk of a Manchega sheep with	2015	Small Rumin Res	Riggio	2	Portolano	NED	ITL.	U Wageningen	U Palermo		Review					
subclinical mastitis	2015	Microbiol Resourc Announc	Ruckert	4	Tauch	GER	USA	U Bielefeld	Massachusetts Institute of Technology		Original	Laboratory	Actiolog		Dairy	
436 Effect of automatic cluster removers on milking efficiency and teat condition of Manchega ewes	2015	J Dairy Sci	Bueso-Rodenas	5	Diaz	ESP		U Miguel Hernandez			Original	Laboratory	Risk factors		Dairy	
		Vet Res			Addis	ITL		Ponto Conte Research			Original	Laboratory	Pathogenesis		Dairy	
437 Neutrophil extracellular traps in sheep mastitis	2015	Vet Res	Pisanu											Treatment		
 Noutrophil estracellular traps in sheep mastifis Prevalence and antimicrobial resistance of Staphylecoccus aureus isolated from raw milk and daity products 	2015 2015	Vet Res Food Control	Pisanu Jamali	5	Dadrasnia	MAL		U Malaya			Original	Laboratory	Aetiology		Dairy	
				5	Dadrasnia Malek	MAL		U Malaya U Assiut			Original	Laboratory Field	Aetiology Diagnosis		Dairy	
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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 Tonucci	ITL.	U Urbino	Inst Zooprofilatico 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 Hith and Prod	Zafalon	4 Fim	BRA	U Sao Paolo	Agricultural Research Organisation Brasil		Original	Field	Diagnosis		Dairy
а. т				ISR		Afimilk Israel				-		Dairy
470 Somatic cell counts, chemical composition and coagulation properties of goat and sheep bulk tank milk	2016 Int Dairy J	Leitner	5 Merin		Kimron Veterinary Institute	Afimik Israel		Original	Field	Effects		
471 Assessment of genetic variation for pathogen-specific mastitis resistance in Valle del Belice dairy sheep	2016 BMC Vet Res	Tolone	6 Portolano	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.	Ponto Conte Research	U Sassari		Original	Field	Diagnosis		Dairy
474 Survey on small ruminant bacterial mastitis in Italy, 2013-2014	2016 Small Rumin Res								Field	Actiology		
		Dore	13 Cannas	ITL.	Inst Zooprofilatico Sardegna			Original		Actiology	Epidemiology	Dairy
475 Molecular epidemiology of an outbreak of clinical mastitis in sheep caused by Mannheimia haemolytica	2016 Vet Microbiol	Omaleki	5 Barber	AUS	U Melbourne	Ministry of Agriculture Australia		Original	Laboratory	Actiology		Meat
476 Use of nanoparticulated antimicrobials to treat subclinical mastitis of ewes during the dry period	2016 Pesq Vet Brazil	Santana	8 Mosqueira	BRA	Agricultural Research Organisation Brasil	U Ouro Preto		Original	Field	Control		Dairy
477 Predisposing factors and control of bacterial mastitis in dairy ewes	2016 J Hell Vet Med Soc	Bramis	5 Arsenos	GRE	Aristotle U Thessaloniki			Review				
478 Influence of lactation stages and rain periods on subclinical mastitis in meat producing ewes	2016 Cienc Rural	Zafalon	6 Santana	BRA	Agricultural Research Organisation Brasil			Original	Field	Risk factors		Meat
4/9 maintaine	2016 J Appl Microbiol	Lollai	4 Piras	ITL.	Inst Zooprofilatico Sardegna	Mastitis Reference Centre Italy		Original	Laboratory	Treatment		Dairy
Effect of management factors on reproductive and milk production performance of a dairy sheep breed adapted to low-input management systems	2017 J Hell Vet Med Soc	Tzanidakis	6 Kiossis	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	Klimesova	9 Vondruskova	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	2017 Pol I Vet Sci	Vasil	5 Zigo	SLK	U Kosice			Original	Laboratory	Actiology		Dairy
diagnostic methods										-		
483 Relationship of mammary gland health status and other noninfectious factors with electrical conductivity of milk in Manchega ewes	2017 J Dairy Sci	Romero	5 Diaz	ESP	U Miguel Hernandez			Original	Field	Diagnosis		Dairy
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 Cunha	BRA	U Paulista			Original	Laboratory	Actiology		Dairy
485 Occurrence of mastitis and associated pathogens with antibiogram in animal population of Peshawar, Pakistan	2017 Thai J Vet Med	Rafiullah	8 Khan	PAK	Veterinary Research Inst Pakistan			Original	Field	Actiology	Treatment	Dairy
486 Serum concentrations of acute phase proteins in goats and ewes with naturally acquired Staphylococcus aureus mastitis	2017 Arq Brasil 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	Ombarak	2 Elbagory	EGY	U Sadat City			Original	Field	Actiology		Dairy
488 Susceptibility and PK/PD relationships of Staphylococcus aureus strains from ovine and caprine with clinical mastitis against five veterinary fluorenoinelones.	2017 Vet Rec	Serrano-Rodriguez	6 Fernandez-Var	on ESP	U Cordoba	U Murcia		Original	Laboratory	Treatment		Dairy
489 B-Mode ultrasonography of mammary glands in dairy ewes during the lactation period	2017 Revist Cientif	Makovicky	3 Margetin	SLK	U I Selve	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 Tola	ITL.	Inst Zooprofilatico sardegna				Laboratory	Actiology	Treatment	Dairy
								Original	Laboratory	stenosogy	reatment	Dairy
491 Ultrasonographic examination of the udder in sheep	2017 Small Rumin Res	Barbagianni	5 Petridis	GRE	U Thessaly			Review				
492 Cathelicidin production and release by mammary epithelial cells during infectious mastitis	2017 Vet Immunol Immunopathol	Cubeddu	11 Addis	ITL.	Ponto 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	2017 Vet World	Alekish	5 Queiroga	JOD	Jordan U Science Technology			Original	Field	Control		Dairy
selected hematology and serum biochemical parameters in Awassi sheep with subclinical mastitis Prevalence and actiology of sheep mastitis in Alenteio region of Portugal	2017 Small Rumin Res	Queiroga		POR	U Evora			Original	Field	Actiology	Epidemiology	Dairy
											Epidemiology	
495 Biofilm formation and virulence factor analysis of Staphylococcus aureus isolates collected from ovine mastitis	2017 J Appl Microbiol	Azara	4 Tola	ITL.	Inst Zooprofilatico sardegna			Original	Laboratory	Pathogenesis		Dairy
496 The genomic architecture of mastitis resistance in dairy sheep	2017 BMC Genomics	Banos	10 Psifidi	GBR C	U Edinburgh	Aristotle U Thessaloniki	U London	Original	Field	Risk factors		Dairy
497 Somatic cell counts in raw ewes' milk in dairy practice: frequency of distribution and possible effect on milk yield and composition	2017 Mljekarstvo	Tancin	6 oravcova	SLK	Agricultural U Slovakia	Inst Research Animal Production Slovakia		Original	Field	Diagnosis	Effects	Dairy
Prevalence and characterization of methicillin-resistant Staphylococcus aureus carrying mecA or mecC and methicillin-susceptible	2017 J Dairy Sci	Giancinti	13 Battisti	ITL.	Inst Zooprofilatico Lazio e Toscana			Original	Laboratory	Treatment		Dairy
Staphylococcus aureus in dairy sheep farms in central Italy	,,											
499 Gastrointestinal trichostrongylosis can predispose ewes to clinical mastitis after experimental mammary infection	2017 Vet Parasitol	Mavrogianni	8 Fthenakis	GRE	U Thessaly			Original	Experimental	Risk factors		Dairy
500 Intramammary infections and somatic cell counts in meat and pelt producing ewes with clinically healthy udders	2017 Small Rumin Res	Persson	5 Waller	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 Cappuchio	ITL.	U Turin			Original	Field	Actiology		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 Zooprofilatico Sicilia	Institute of Health Italy		Original	Field	Treatment		Dairy
		-				institute of Plantin Laty		-				
503 Differential microbiological quality of sheep milk from bulk tank	2018 Rev Sci	Jimenez-Sobrino	5 Arias-Sanche	ESP	INIA			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 Cien Agrar	Zafalon	4 Fim	BRA	U Paulista	Agricultural Research Organisation Brasil		Original	Field	Diagnosis		Dairy
506 Antimicrobial activity of essential oils of lamiaceae aromatic spices towards sheep mastitis-causing Staphylococcus aureus and	2018 J Essential Oil Bearing Plants	Queiroga	5 Martins	POR	U Evora			Original	Field	Control		Dairy
Staphylococcus epidermidis												
507 Antibacterial effect of Czech and Manuka honey on selected mastitis pathogens	2018 Acta Vet Brno	Klimesova	3 Nejeschlebova	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	Gheisari	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	Alekish	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 eves	2018 I Dairy Res	Vouraki	4 Arsenos	GRE	Aristotle U Thessaloniki			Original	Field	Risk factors		Dairy
			4 /1.60163									
period	2018 J Dairy Res	Mantziaras	8 Barbagianni	GRE	U Thessaly	Air Force Greece		Original	Field	Diagnosis		Dairy
512 First description in Greece of mphC-positive staphylococci causing subclinical mastitis in ewes	2018 Microbial Drug Res	Papagiannitsis	8 Petinaki	GRE C	U Thessaly	U Prague		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
Isolation and identification of bacteria causing mastitis in small ruminants and their susceptibility to antibiotics, honey, essential oils, and	2018 Vet World	Abdalhamed	3 Abou Zeina	EGY	Nation Research Institute Egypt			Original	Laboratory	Treatment		Dairy
plant extracts Relationship between virulence factor genes in coagulase-negative Staphylococcus sep. and failure of antimicrobial treatment of	2018 Pesq Vet Brazil	Zafalon	8 Pilon	BRA	U Paulista	Agricultural Research Organisation Brasil		Original	Laboratory	Treatment		Dairy
subclinical materials in sitesp						Agricultural Research Organisation Brasil						
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	Pazzola	6 Vacca	ITL.	U Sassari			Original	Field	Risk factors		Dairy
516 firming in dairy sheep 517 Determination of milk production losses and variations of fat and protein percentages according to different levels of somatic cell count in V Valle del Belico dairy sheep	2018 Small Rumin Res	Sutera	6 Tolone	ITL.	U Palermo			Original	Field	Effects		Dairy
517 Valle del Belice dairy sheep Antibietic-resistance, enterotoxin gone profiles and farm-level prevalence of Staphylococcus aureus in cow, sheep and goat built tank milk in 518 Iordra	2018 Int Dairy I	Obaidat	4 ALHakimi	100	Jordan U Science Technology			Original	Laboratory	Treatment		Dairy
Jordan 519 The mammary microenvironment in mastitis in humans, dairy ruminants, rabbits and rodents: a one health focus	2018 J Mammary Gland Biol Neopl	Hueghs		GBR	U Cambrigde			Review				
		-	2 Watson									
520 Association between polymorphism of ABCG2 gene and somatic cell count in Czech dairy sheep breeds	2018 Med Wet	Hofmannova	6 Svitakova	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	Vasileiou	13 Fthenakis	GRE	U Thessaly			Original	Field	Actiology	Epidemiology	Dairy
522 Association of subclinical mastitis prevalence with sheep breeds in Greece	2018 J Dairy Res	Vasileiou	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 Lacaune sheep	2018 Acta Vet Scand	Miglio	6 Felici	III.	U Perugia	Inst Zooprofilatico Umbria e Marche		Original	Laboratory	Pathogenesis		Dairy
						Inst Zooprofilatico Umbria e Marche						
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 Kafshdouzan	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 Translational 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	Queiroga	1	POR	U Evora			Original	Laboratory	Pathogenesis		Dairy
Detection of quantitative trait loci and putative causal variants affecting somatic cell score in dairy sheep by using a 50K SNP chip and			4	ESP	U Leon			Original	Laboratory	Risk factors		Dairy
whole-genome sequencing			 Arranz 	ESP						PUSK IACTORS		
	2018 J Dairy Sci	Gutierrez-Gil				U Cerrahpasa						Dairy
528 Udder types and associated traits affect milk composition and subclinical mastitis in Karayaka sheep	2018 J Dairy Sci 2018 Ind J Anim Sci	Akdag	6 Demir	TUR	U Ondokuz Mayis	0 Certanpasa		Original	Field	Risk factors		
Antimicrobial resistance in mastitis, respiratory and enteric bacteria isolated from ruminant animals from the Atlantic Provinces of Canada from 1981 2012	2018 J Dairy Sci		6 Demir 4 McClure	TUR CDN	U Ondokuz Mayis U Prince Edward Island	o corranpasa		Original	Field Laboratory	Risk factors Treatment		Dairy
Antimicrobial resistance in mastilis, respiratory and enteric bacteria isolated from ruminant animals from the Atlantic Provinces of Canada from 1994-2013 In vitro antibacterial effects of zinc oxide nanoparticles on multiple drug-resistant strains of Staphyloceccus aurous and Escherichia coll: an	2018 J Dairy Sci 2018 Ind J Anim Sci	Akdag				o corranposa						
Artitisticabili relatione in matilis, respiratory and enteric bacteria isolated from numinant animals from the Atlantic Provinces of Canada from 1994-2033 In vitro antibacterial effects of zine code numparticles on multiple darg-sesiatant strains of Stephybecceus aureus and Escherichia coli; an alternative argoench of antibacterial therapy of matilities in shoep	2018 J Dairy Sci 2018 Ind J Anim Sci 2018 Can Vet J 2018 Vet World	Akdag Awosile Alekish	4 McClure 4 Nawasrah	CDN JOD	U Prince Edward Island Jordan U Science Technology	o carranpasa		Original Original	Laboratory Field	Treatment	Faidgatedown	Dairy Dairy
A attaincredule instance in multiles, requiratory and enteric bacteria isolated from numinant animals from the Atlantic Provinces of Canada from 1994-2013 in vitro authocterial effects of zine onde nanogenication on multiple darge-solutiant strains of Staphylococcus aurous and Escherichia coli: an authorized approach for antistached labergori of multiple in sheep 533 Slime-producing staphylococci as causal agonts of nabelinical mastitis in sheep	2018 J Dairy Sci 2018 Ind J Anim Sci 2018 Can Vet J 2018 Vet World 2015 Vet Microbiol	Akdag Awosile Alekish Vasileiou	4 McClure 4 Nawasrah 9 Fthenakis	CDN JOD GRE	U Prince Edward Island Jordan U Science Technology U Thessaly			Original Original Original	Laboratory Field Field	Treatment Treatment Aetiology	Epidemiology	Dairy Dairy Dairy
A attainstructule rotation to mustific, requiratory and entoric bacteria isolated from numinant animals from the Atlantic Provinces of Canada from 1999-2013 in vitros authocheral differs of zine oxide manageridade on multiple drog-ensistant strains of Staphylococcus aurous and Escherichia coli: an alternativity approach for authocheral diverger of mustific in sheep 513 Sinne-producing staphylococci as causal agents of subclinical mastific in sheep 524 Lachderrin and IgG levels in ovine milk throughout lactation: Correlation with milk quality parameters	2018 J Dairy Sci 2018 Ind J Anim Sci 2018 Can Vet J 2018 Vet World	Akdag Awosile Alekish	4 McClure 4 Nawasrah	CDN JOD GRE ESP	U Prince Edward Island Jordan U Science Technology	U Los Andes		Original Original	Laboratory Field	Treatment	Epidemiology	Dairy Dairy Dairy Dairy
A attinuischeld redutero in multita, requiratory and enteric bacteria isolated from runniant animals from the Atlantic Provinces of Canada from 1994/2013 In vitro authocterial effects of zite code nanograficade on multiple drug-sestatast strains of Raphylecoccus aurous and Eacherichia coli: an alternative approach for authocterial theory of multiple in deep 533 Slime-producing ataphylococci as causal agonts of studelinical masifitis in sheep	2018 J Dairy Sci 2018 Ind J Anim Sci 2018 Can Vet J 2018 Vet World 2015 Vet Microbiol	Akdag Awosile Alekish Vasileiou	4 McClure 4 Nawasrah 9 Fthenakis	CDN JOD GRE	U Prince Edward Island Jordan U Science Technology U Thessaly			Original Original Original	Laboratory Field Field	Treatment Treatment Aetiology	Epsdemiology	Dairy Dairy Dairy

Woo

534 Milk cellularity and intramammary infections in primiparous and multiparous Lacaune ewes during early lactation New mastitis phenotypes suitable for genomic selection in meat sheep and their genetic relationships with udder conformation and lamb	2018 Small Rumin Res 2018 Animal	Takano McLaren	12	Blagitz	BRA	U Sao Paolo		Original	Field	Epidemiology Risk factors	Diagnosis	Dairy Meat
335 live weights			ь	Conington	GBR	Scotland's Rural College						
536 Mammary gland health of Santa Ines ewes at the drying and puerperium and evaluation of a dry-off terapy with gentamicin Use of geographical information system and ecological niche modelling for predicting potential space distribution of	2018 Pesq Vet Brazil	Pereira	8	Muller	BRA	U Londrina		Original	Field	Control		Dairy
337 subclinical mastitis in ewes	2019 Vet Microbiol	Giannokopoulos	10	Fthenakis	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	Kordalis	7	Fthenakis	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	Kenyon	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	Kenyon	NZL	U Massey		Original	Field	Effects		Meat
541 Milk electrical conductivity in Manchega 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 terpinen-4-ol based dipping for post-milking teat disinfection in the prevention of mastitis in dairy sheep	2019 J Essential Oil Res	Dore	7	Cannas	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	Fthenakis	GRE	U Thessaly		Original	Field	Risk factors		Dairy
544 An approach for the estimation of somatic cells' effect in Sarda sheep milk based on the analysis of milk traits and coagulation properties	2019 Small Rumin Res	Paschino	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 Zooprofilatico 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 Microbial Drug Res	Vasileiou	8	Fthenakis	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 samoles	2019 Small Rumin Res	Abbondio	5	Tola	ITL.	Inst zooprofilatico Sardegna		Original	Laboratory	Pathogenesis		Dairy
549 Differences between Staphylococcus aureus lineages isolated from ovine and caprine mastitis but not between isolates from clinical or cubellineal maximize	2019 J Dairy Sci	Hoekstra	6	Koop	NED	U Utrecht		Original	Laboratory	Actiology		Dairy
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 Breedind Gansu China	Original	Laboratory	Pathogenesis		Meat
mean savep 551 Antimicrobial resistance and distribution of Staphylococcus spp. pulsotypes 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	Tsioli	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	U Toulouse	INRA	Review				
554 Somatic cell counts in sheep milk	2019 Small Rumin Res	Albenzio	6	Santillo	ITL.	U Foggia		Review				
555 Millking routines and cluster detachment levels in small ruminants	2019 Animal	Dzidic	5	Marnet	CRO	U Zagrob	Agrocampus Ouest	Review				
556 Digital gene expression analyses of mammary glands from meat ewes naturally infected with clinical mastitis	2019 R Soc Open Sci	ц		Ma	CHN	U Gansu	10 · · · · · · · · · · · · · · · · · · ·	Original	Laboratory	Risk factors		Most
555 The relationship between lactoferrin gene polymorphism and subclinical mastitis in Awassi ewes	2019 J Anim Plant Sci	Alekish		Alshehabat	IOD	Jordan U Science Technology		Original	Field	Risk factors		Dairy
559 Heritability of phenotypic udder traits to improve resilience to mastitis in Texal ewes	2019 Animal	Crump		Green	GBR	U Warwick		Original	Field	Risk factors		Meat
559 Piertatouny of pieronypic under trains to improve resintence to massins in Texer eves 559 Role of staphylococci in mastlilis in sheep	2019 J Dairy Res	Vasileiou	3	Fthenakis	GRE	U Thessaly		Review	Piese	RISK factors		Mean
509 Rote of supplyococci in mastitis in sincep 560 Proteomics data of ovine mastitis associated with Mannheimia haemolytica	2019 D Brief	Katsafadou	-	Fthenakis	GRE	U Thessaly	Academy Athens Greece	Original	Field	Pathogenesis		Dairy
			9									
561 Differential quantitative proteomics study of experimental Mannheimia haemolytica mastitis in sheep	2019 J Proteom	Katsafadou	9	Fthenakis	GRE	U Thessaly	Academy Athens Greece	Original	Experimental	Pathogenesis		Dairy
562 Predisposing factors for bacterial mastitis in eves	2019 Reprod Dom Anim	Vasileiou	4	Fthenakis	GRE	U Thessaly		Review				
563 Use of proteomics in the study of mastitis in ewes	2019 Pathogens	Katsafadou	3	Fthenakis	GRE	U Thessaly		Review				
564 Anti-staphylococcal biofilm antibodies in ewes and association with subclinical mastitis Bulk tank somatic cell count and total bacterial count are affected by target practices and milking machine features in dairy sheep flocks in	2019 Small Rumin Res	Vasileiou	6	Fthenakis	GRE	U Thessaly		Original	Laboratory	Pathogenesis		Dairy
565 built tank somatic ceil count and total bacterial count are attected by target practices and minking 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 Evaluation of efficacy of a biofilm-ombedded bacteria-based vaccine against staphylococcal mastitis in sheep-A randomized, placebo-	2019 BMC Genomics	Oget	5	Rupp	FRA	U Toulouse	INRA	Original	Field	Risk factors		Dairy
367 controlled field study	2019 J Dairy Sci	Vasileiou	15	Fthenakis	GRE	U Thessaly		Original	Field	Control		Dairy
568 Metataxonomic and immunological analysis of milk from ewes with or without a history of masilitis	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 defences and immunity against mastitis in sheep	2019 Animals	Katsafadou	7	Fragkou	GRE	U Thessaly		Review				
Clinical and subclinical intrammamay 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				
573 Interactions between parasitism and milk production - mastitis in sheep	2019 Small Rumin Res	Vasileiou	7	Papadopoulos	GRE	U Thessaly	Aristotle U Thessaloniki	Review				
574 Comparison of PCR-RFLP, API (R) 20 Strep and MALDI-TOF MS for identification of Streptococcus spp. collected from sheep and goat milk samples	2019 Small Rumin Res	Rosa	4	Tola	ITL.	Inst zooprofilatico Sardegna		Original	Laboratory	Actiology		Dairy
575 Udder surgery in ewes	2019 Small Rumin Res	Tsioli	2	Fthenakis	GRE	U Thessaly		Review				
576 Mammary involution and relevant udder health management in sheep	2019 Small Rumin Res	Petridis	2	Fthenakis	GRE	U Thessaly		Review				
577 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				
Subclinical mastitis in Lacaune sheep: causative agents, impacts on milk production, milk quality, oxidative profiles and treatment efficacy of ceflicfur	2019 Microb Pathogen	Alba	10	da Silva	BRA	U Santa Catarina		Original	Field	Aetiology	Treatment	Dairy
or centour Experimental study for evaluation of the efficacy of a biofilm-embedded bacteria-based vaccine against Staphylococcus chromogenes- associated mostlifs in cheen	2019 Vet Microbiol	Vasileiou	13	Fthenakis	GRE	U Thessaly		Original	Experimental	Control		Dairy
associated mastitis in sheep 580 Detection of cathelicidin-1 in the milk as an early indicator of mastitis in ewes	2019 Pathogens	Katsafadou	12	Fthenakis	GRE	U Thessaly	Academy Athens Greece	Original	Experimental	Diagnosis		Dairy
Subclinical mastitis in sheep: etiology and association with milk somatic cell count and ewe productivity in three research flocks in the	2019 Translational Anim Sci	Knuth	10	Murphy	USA	U Montana State	Ministry of Agriculture USA	Original	Field	Aetiology	Effects	Dairy
361 Western United States							· ·					-

APSA: French Agency of Selfry of Foods, AGES Studgers, Agenchanal Rossach Agency of Studius Baly, ANSES Monitoral Agency for Food, Environmental and Computational Hardh & Salefy Trance, GSBD: Commonwealth Scientific and Industrial Rossach Organization Astrolina, IRAN, Monitoral Institutor of Agenchanal Immergiations on of Transing Syncis, IRA: Astronomical Institute of Agenchanal Transis, Institution, ARISER Basey Institution of Agenchanal Investigations Spatia, SAA-DCA Zaraguara, Agricultural Rossach Service of Arague Spatia, TEB Technological Educational Institution, U: University

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 S2. Alphabetical list of countries from which 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 Ouest	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
Zooprophylactic Institute of Sardinia	Italy	14

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

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.

			Aetiology n=2							
			Control n=7							
			Diagnosis n=2							
		Experimental n=43 Experimental n=44 Experimental								
			Experimental n=43 Control n=7 Diagnosis n=7 Diagnosis n=7 Control n=1 Diagnosis n=2 Experimental n=43 Control n=6 Diagnosis n=2 Experimental n=43 Control n=6 Diagnosis n=16 Aetiology n=17 Control n=6 Experimental n=43 Control n=1 Pathogenesis n=16 Aetiology n=17 Control n=6 Experimental n=43 Control n=1 Pathogenesis n=16 Aetiology n=17 Control n=1 Pathogenesis n=16 Control n=1 Control n=1 Pathogenesis n=16 Control n=1 Control n=1 Pathogenesis n=16 Control n=1 Control n=1 Pathogenesis n=16 Control n=1 Control n=1 Control n=1 Control n=1 Control n=1 Control n=6 Control n=1 Control n=6 Control n=1 Control n=1 Control n=1 Control n=1 Control n=1 Control n=6 Control n=1 Control n=							
			Control n=7 Diagnosis n=2 Effects n=5 Pathogenesis n=22 Risk factors n=7 Treatment n=3 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 Aetiology n=51 Control n=1 Diagnosis n=9 Effects n=2 Pathogenesis n=27 Risk factors n=6 Treatment n=27 Control n=6 Diagnosis n=2 Effects n=1 Pathogenesis n=16 Aetiology n=17 Control n=3 D. epidemiology n=4 Diagnosis n=11							
	-		tental n=43 Control n=7 Diagnosis n=2 Effects n=5 Pathogenesis n=22 Risk factors n=7 Treatment n=3 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 Aetiology n=51 Control n=1 Diagnosis n=9 Effects n=2 Pathogenesis n=27 Risk factors n=6 Treatment n=27 Control n=6 Diagnosis n=2							
			Field n=272 Field n=273 Field n=273 Field n=16 Field n=17 Field n=17 Field n=16 Field n=17 Field n=							
	Aetiology n= Control n=1 D. epidemiology Dairy production n=428 Field n=272 Diagnosis n= Effects n=4 Pathogenesis n Risk factors n Treatment n=									
	Dairy production n=428	28 Field n=272 Diagnosis n=4 Effects n=44 Pathogenesis n								
		Dairy production n=428 Field n=272 Effects n=44 Pathogenesis n= Risk factors n= Treatment n=							Pathogenes	Pathogenesis n=18
	-									
	Risk factors Treatment r Aetiology n Control ne									
		Field n=272 Field n=272 Diagnosis n=63 Effects n=44 Pathogenesis n=18 Risk factors n=73 Treatment n=16 Aetiology n=51 Control n=1 Diagnosis n=9 Laboratory n=113 Effects n=2 Pathogenesis n=27 Risk factors n=6 Treatment n=27								
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	-		erimental n=43 erimental n=272 Field n=27 Field n=58							
	Diagnosis Laboratory n=113 Effects n Pathogenesis Risk factors Treatment Control n Diagnosis Experimental n=43 Experimental n=43 Pathogenesis Aetiology n Control n D. epidemiolo D. epidemiolo									
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	-									
			65							
		Laboraterre								
		Laboratory n=31	ē							
-	XA7 1 1 1 1	E. 11 4	Treatment n=4							
	Wool production n=1	Field n=1	Effects n=1							
Review papers n=41										

	Paper	type	Production	on system 1	referred to	St	udy type				Ma	astitis aspect	covered			
Country	Original	Review	Dairy	Meat	Wool	Experim- ental	Field	Labora- tory	Aetiology	Control	D. epide- miology	Diagnosis	Effects	Patho- genesis	Risk factors	Treat- ment
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
Р	0.0	071		< 0.0001			< 0.0001					< 0.0001	1			

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.

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

(a) Countr	y origin of papers published in the most used journals			
Journal	Two countries with the most papers published therein			
Journal of Dairy Resea	Greece n=10, Italy n=4			
Journal of Dairy Scien	nce Spain n=26, Italy n=9			
Journal of Veterinary Mea	<i>licine B</i> Greece / Spain n=2 (each)			
Pesquisa Veterinária Bra	sileira Brazil n=14			
Small Ruminant Resea	arch Greece n=28, Italy n=21			
The Veterinary Journ	United Kingdom n=6, Greece n=2			
The Veterinary Reco	rd United Kingdom n=6, France / Greece / Spain n=4 (each)			
Veterinary Microbiolo	Greece n=8, Spain n=6			
(b) Most used journals by a	authors from the 11 countries with highest number of papers published			
Country	Two journals with most papers published therein			
Australia	Research in Veterinary Science / Veterinary Microbiology n=4 (each)			
Austria	Wiener Tierärztliche Monatsschrift n=4			
D 1	Pesquisa Veterinária Brasileira n=14,			
Brazil	Arquivo Brasileiro de Medicina Veterinária e Zootecnia n=5			
France	Small Ruminant Research n=5, Journal of Dairy Science n=4			
Greece	Small Ruminant Research n=28, Journal of Dairy Research n=10			
Israel	Small Ruminant Research n=8, South African Journal of Animal Science n=3			
Italy	Small Ruminant Research n=21, Italian Journal of Animal Science n=3			
Spain	Journal of Dairy Science n=26, Small Ruminant Research n=11			
	Kafkas Üniversitesi Veteriner Fakültesi Dergisi n=4, Bulletin of the Veterinary			
Turkey	Institute in Pulawy / Tropical Animal Health and Production / Turkish Journa			
	of Veterinary and Animal Sciences n=2 (each)			
United Vinadam	Journal of Dairy Science /The Veterinary Record /			
United Kingdom	The Veterinary Journal n=6 (each)			
United States of America	Journal of Animal Science n=5, Small Ruminant Research n=4			

Publications 2020

	Paper	type	Productio	on system 1	referred to	St	udy type				Ma	astitis aspect	covered			
Journal	Original	Review	Dairy	Meat	Wool	Experim- ental	Field	Labora- tory	Aetiology	Control	D. epide- miology	Diagnosis	Effects	Patho- genesis	Risk factors	Treat- ment
Journal of Dairy Research	20	2	18	2	0	3	13	4	4	2	0	5	3	4	4	0
Journal of Dairy Science	54	0	48	6	0	5	38	11	13	3	0	13	9	3	19	2
Journal of Veterinary Medicine B	11	0	7	4	0	3	4	4	5	0	0	1	0	6	0	0
Pesquisa Veterinária Brasileira	14	0	13	1	0	2	8	4	3	2	0	3	2	2	1	4
Small Ruminant Research	76	14	71	5	1	4	60	12	20	6	12	18	10	9	14	4
The Veterinary Journal	10	1	4	6	0	4	4	2	1	0	2	3	2	2	0	0
The Veterinary Record	13	1	7	6	0	1	11	1	3	1	1	2	1	2	2	2
Veterinary Microbiology	24	5	18	6	0	5	3	16	16	2	2	1	0	5	2	2
P	0.0	445		0.0007			< 0.0001					0.0001				

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.

Year of publication	References per paper (<i>x</i> ±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}		
Р	< 0.0001		
Country of origin	References per paper (x±se)		
Australia	27.5±2.5ª		
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 ^{c,g}		
United States of America	28.4±3.1 ^d		
P	0.0002		
Establishment of origin	References per paper (x±se)		
Aristotle University of Thessaloniki	39.6±7.8		
ommonwealth Scientific and Industrial Research	57.017.0		
Organisation	27.1±3.2		
Complutense University of Madrid	25.7±2.3		
	25.7±2.5		
Jordan University of Science and Technology			
Kimron Veterianry 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		
Zooprophylactic Institute of Sardinia	26.9±2.9		
Zooprophylactic Institute of Sardinia P	26.9±2.9 <0.0001		
Р	< 0.0001		
P Journal	<0.0001 References per paper (x±se)		
P Journal Journal of Dairy Research	<0.0001 References per paper (x±se) 35.5±6.0		
P Journal Journal of Dairy Research Journal of Dairy Science	<0.0001 References per paper (x±se) 35.5±6.0 35.4±3.6		
P Journal Journal of Dairy Research Journal of Dairy Science Journal of Veterinary Medicine B	<0.0001 References per paper (x±se) 35.5±6.0 35.4±3.6 20.2±2.3		
P Journal Journal of Dairy Research Journal of Dairy Science Journal of Veterinary Medicine B Pesquisa Veterinária Brasileira	<0.0001 References per paper (x±se) 35.5±6.0 35.4±3.6 20.2±2.3 44.9±3.7		
P Journal Journal of Dairy Research Journal of Dairy Science Journal of Veterinary Medicine B Pesquisa Veterinária Brasileira Small Ruminant Research The Veterinary Journal	<0.0001 References per paper (x±se) 35.5±6.0 35.4±3.6 20.2±2.3 44.9±3.7 36.3±2.6		
P Journal Journal of Dairy Research Journal of Dairy Science Journal of Veterinary Medicine B Pesquisa Veterinária Brasileira Small Ruminant Research	<0.0001 References per paper (x±se) 35.5±6.0 35.4±3.6 20.2±2.3 44.9±3.7 36.3±2.6 19.3±3.4		

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.

Type of paper			
Original	29.6±0.7		
Review	81.8±7.1		
Р	<0.0001		
Production system			
Dairy	31.4±0.8		
Meat	22.5±0.8		
Wool	21.0		
Р	< 0.0001		
Type of work			
Experimental	30.7±2.3		
Field	28.2 ± 0.8^{a}		
Laboratory	32.2 ± 1.4^{a}		
Р	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		
Р	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 -		mago categ		Citations per	Citations per	Total cites	
	Q1	Q2	≥Q3	paper (x±se)	paper yearly	i otal cites	
Year of publications		(n)		$(x \pm se)$	(x±se)	(n)	
1970s	6	0	2	13.7±5.5	0.3±0.1	109	
1980s	9	9	4	19.8±3.0	0.6 ± 0.1^{a}	435	
1990s	42	45	21	22.1±2.3ª	0.9±0.1 ^{b,c}	2407	
2000s	70	73	25	26.8±2.9 ^b	1.8±0.2 ^b	4495	
2010s	113	103	57	$8.4 \pm 0.6^{a,b}$	1.9±0.1 ^{a,c}	2300	
Р		0.37		< 0.0001	0.0001		
Country of origin		(n)		$(x \pm se)$	(x±se)	(n)	
Australia	13	9	2	15.3±1.8ª	1.0±0.2 ^a	368	
Austria	4	5	8	12.8±2.5 ^b	0.7±0.1 ^b	217	
Brazil	2	13	25	6.4±1.3 ^{c,d}	1.0±0.2°	254	
France	23	6	2	$38.6 \pm 11.1^{a,b,c,e,f,g}$	$3.2\pm0.7^{a,b,c,d,e,f}$	1196	
Greece	34	50	3	13.1±1.9 ^{d,e}	2.2±0.3	1143	
Israel	10	10	3	28.0±6.4	2.5±0.5	643	
Italy	34	41	3	14.5 ± 1.8^{f}	1.8±0.2	1132	
Spain	55	25	7	24.7±3.2	1.7 ± 0.2^{d}	2148	
Turkey	1	7	9	7.2±1.6 ^g	0.8 ± 0.2^{e}	123	
United Kingdom	26	23	1	19.3±3.4	1.6±0.3 ^f	965	
United States of America	16	7	3	30.4±5.4	1.8 ± 0.4	791	
Р		< 0.0001		0.0001	0.0004		
Establishment of origin		(n)		(x±se)	(x±se)	(n)	
Aristotle U. of Thessaloniki	6	13	2	13.5±2.8	1.3±0.3	284	
CSIRO	6	9	1	20.0±1.7	1.1±0.3	321	
Complutense U. of Madrid	10	7	1	20.9±3.1	1.2±0.3	376	
Jordan U. of Science and		,			.		
Technology	3	6	3	8.2±3.5	0.9±0.2	98	
Kimron Vet. Inst.	7	8	2	28.8±8.3	2.9±0.6	490	
INRA	18	2	1	28.7±6.2	2.8±0.4	603	
Polytechnic U. of Valencia	6	2	3	10.5±2.7	0.9±0.3	116	
U. of Foggia	4	8	1	30.6±7.1	2.2±0.4	398	
U. of Leon	17	7	1	43.4±8.7	2.8±0.6	1085	
U. of London	9	17	0	18.2±4.4	0.9±0.2	474	
U. of Palermo	8	7	0	7.4±1.6	1.1±0.2	111	
U. of Sassari	5	7	0	13.6±2.4	2.6±0.6	163	
U. of Thessaly	28	35	1	11.8±1.6	2.5±0.4	756	
U. of Toulouse	8	2	0	48.7 ±25.2	4.3±1.4	633	
Veterinary U. of Vienna	4	5	9	12.6±2.3	0.7±0.1	226	
Zooprophylactic Inst. of		-					
Sardinia	4	8	2	12.2±3.7	1.9±0.5	171	
<u>_</u>		< 0.0001		< 0.0001	0.0435		
Type of paper		(n)		(<i>x</i> ±se)	(x±se)	(n)	
JI I I	227	209	103	15.4±0.8	1.4±0.1	8296	
Review	13	20)	7	35.4±9.9	3.6±0.7	1450	
P	10	0.28	'	<0.0001	<0.0001	1100	

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

Table S9	(continued)
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	Sci	mago categ	gory	Citations per	Citations per	
Classification -	Q1	Q2	≥Q3	paper (x±se)	paper yearly	Total cites (n)
Production system		(n)		(x±se)	(x±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
Р		0.085		0.083	0.0031	
Type of study		(n)		$(x \pm se)$	(x±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
Р		0.0006		0.595	0.610	
Aspect of mastitis covered		(n)		$(x \pm se)$	(x±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
Р		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 (x±se)	Yearly citations per paper (x±se)	Total cites (n)
J. Dairy Res.	13.5±2.4	1.6±0.2	296
J. Dairy Sci.	28.9±8.4	2.8±0.8	1556
J. Vet. Med. B	12.2±3.4	0.6±0.2	134
Pesq. Vet. Brasil.	7.2±1.6	0.8±0.2	43
Small Rumin. Res.	22.8±3.3	2.0±0.2	2051
Vet. J.	15.1±3.5	0.9±0.2	404
Vet. Rec.	36.7±8.4	1.5±0.2	212
Vet Microbiol.	18.4±4.0	2.8±0.6	533
Р	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



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