

# Kerst Stelwagen

## List of Publications by Year in descending order

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64  
papers

3,234  
citations

159525

30  
h-index

149623

56  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mammary Gland, Milk Biosynthesis and Secretion: Milk Protein. , 2022, , 198-205.		1
2	Effect of zeolite administration on nitrogen metabolism and excretion in lactating dairy cows offered pasture herbage. <i>Animal Production Science</i> , 2021, 61, 560.	0.6	2
3	Temporal and spatial heterogeneity in milk and immune-related gene expression during mammary gland involution in dairy cows. <i>Journal of Dairy Science</i> , 2017, 100, 7669-7685.	1.4	11
4	Tight Junction Protein Abundance and Apoptosis During Involution of Rat Mammary Glands. <i>Journal of Cellular Physiology</i> , 2017, 232, 2075-2082.	2.0	10
5	Mammary Gland, Milk Biosynthesis and Secretion: Milk Protein $\alpha^{\dagger}$ . , 2016, , .		1
6	Cell survival signaling in the bovine mammary gland during the transition from lactation to involution. <i>Journal of Dairy Science</i> , 2016, 99, 7523-7543.	1.4	23
7	Primary cilia distribution and orientation during involution of the bovine mammary gland. <i>Journal of Dairy Science</i> , 2016, 99, 3966-3978.	1.4	5
8	The effects of milking frequency on insulin-like growth factor I signaling within the mammary gland of dairy cows. <i>Journal of Dairy Science</i> , 2015, 98, 5422-5428.	1.4	15
9	Activation of signal transducer and activator of transcription 5 (STAT5) is linked to $\beta$ 21-integrin protein abundance in unilaterally milked bovine mammary glands. <i>Journal of Dairy Science</i> , 2015, 98, 3133-3142.	1.4	15
10	The effect of milking reinitiation following extended nonmilking periods on lactation in primiparous dairy cows. <i>Journal of Dairy Science</i> , 2015, 98, 7666-7674.	1.4	10
11	The effects of milking frequency in early lactation on milk yield, mammary cell turnover, and secretory activity in grazing dairy cows. <i>Journal of Dairy Science</i> , 2015, 98, 305-311.	1.4	26
12	The Role of Tight Junctions in Mammary Gland Function. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2014, 19, 131-138.	1.0	112
13	Host defence related responses in bovine milk during an experimentally induced <i>Streptococcus uberis</i> infection. <i>Proteome Science</i> , 2014, 12, 19.	0.7	40
14	Invited review: Reduced milking frequency: Milk production and management implications. <i>Journal of Dairy Science</i> , 2013, 96, 3401-3413.	1.4	81
15	Impact of Dietary Dairy Polar Lipids on Lipid Metabolism of Mice Fed a High-Fat Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2729-2738.	2.4	22
16	Host-defence-related proteins in cows' milk. <i>Animal</i> , 2012, 6, 415-422.	1.3	67
17	Foreword: Lactation biology. <i>Animal</i> , 2012, 6, 353-354.	1.3	0
18	Epigenetics: a possible role in acute and transgenerational regulation of dairy cow milk production. <i>Animal</i> , 2012, 6, 375-381.	1.3	93

#	ARTICLE	IF	CITATIONS
19	Mammary Gland, Milk Biosynthesis and Secretion   Milk Protein. , 2011, , 359-366.		7
20	Direct analysis of fatty acid profile from milk by thermochemolysisâ€“gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2011, 1218, 316-323.	1.8	24
21	Epigenetic Regulation of Milk Production in Dairy Cows. Journal of Mammary Gland Biology and Neoplasia, 2010, 15, 101-112.	1.0	92
22	The acute-phase protein serum amyloid A3 is expressed in the bovine mammary gland and plays a role in host defence. Biomarkers, 2009, 14, 26-37.	0.9	78
23	Immune components of bovine colostrum and milk1. Journal of Animal Science, 2009, 87, 3-9.	0.2	375
24	Transcriptome profiling of Streptococcus uberis-induced mastitis reveals fundamental differences between immune gene expression in the mammary gland and in a primary cell culture model. Journal of Dairy Science, 2009, 92, 117-129.	1.4	114
25	Effect of milking interval on milk yield and quality and rate of recovery during subsequent frequent milking. Livestock Science, 2008, 114, 176-180.	0.6	16
26	cDNA Microarray Analysis Reveals that Antioxidant and Immune Genes Are Upregulated During Involution of the Bovine Mammary Gland. Journal of Dairy Science, 2008, 91, 2236-2246.	1.4	60
27	Characterisation of Host Defence Proteins in Milk Using a Proteomic Approach. Journal of Proteome Research, 2007, 6, 207-215.	1.8	253
28	Modifying milk composition to increase use of dairy products in healthy diets. Animal Feed Science and Technology, 2006, 131, 149-153.	1.1	22
29	Milk accumulation decreases expression of genes involved in cellâ€“extracellular matrix communication and is associated with induction of apoptosis in the bovine mammary gland. Livestock Science, 2005, 98, 67-78.	1.2	34
30	Assessment of a bioactive compound for its potential antiinflammatory property by tight junction permeability. Phytotherapy Research, 2005, 19, 1009-1012.	2.8	8
31	Reduction in heat-induced gastrointestinal hyperpermeability in rats by bovine colostrum and goat milk powders. Journal of Applied Physiology, 2004, 96, 650-654.	1.2	73
32	Expression of a Î²-Defensin mRNA, Lingual Antimicrobial Peptide, in Bovine Mammary Epithelial Tissue Is Induced by Mastitis. Infection and Immunity, 2004, 72, 7311-7314.	1.0	125
33	Regulation of mammary tight junctions through parathyroid hormone-related peptide-induced activation of apical calcium channels. Journal of Endocrinology, 2003, 178, 257-264.	1.2	10
34	Effects of stage of lactation and time of year on plasmin-derived proteolytic activity in bovine milk in New Zealand. Journal of Dairy Research, 2002, 69, 533-540.	0.7	25
35	Effect of Milking Frequency on Mammary Functioning and Shape of the Lactation Curve. Journal of Dairy Science, 2001, 84, E204-E211.	1.4	111
36	Milking interval, milk production and milk flow-rate in an automatic milking system. Livestock Science, 2001, 72, 157-167.	1.2	96

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37	Short Communication: Effects of Isolation Stress on Mammary Tight Junctions in Lactating Dairy Cows. <i>Journal of Dairy Science</i> , 2000, 83, 48-51.	1.4	28
38	Regulation of yield loss and milk composition during once-daily milking: a review. <i>Livestock Science</i> , 1999, 59, 77-94.	1.2	120
39	Alteration of the Sodium to Potassium Ratio in Milk and the Effect on Milk Secretion in Goats. <i>Journal of Dairy Science</i> , 1999, 82, 52-59.	1.4	22
40	Effect of Milking Frequency and Pasture Intake on Milk Yield and Composition of Late Lactation Cows. <i>Journal of Dairy Science</i> , 1999, 82, 1232-1239.	1.4	67
41	Prolactin, alone or in combination with glucocorticoids, enhances tight junction formation and expression of the tight junction protein occludin in mammary cells. <i>Molecular and Cellular Endocrinology</i> , 1999, 156, 55-61.	1.6	73
42	An anti-inflammatory component derived from milk of hyperimmunised cows reduces tight junction permeability in vitro. <i>Inflammation Research</i> , 1998, 47, 384-388.	1.6	17
43	No Evidence for Basolateral Secretion of Milk Protein in the Mammary Gland of Lactating Goats. <i>Journal of Dairy Science</i> , 1998, 81, 434-437.	1.4	11
44	Elevated plasma cortisol reduces permeability of mammary tight junctions in the lactating bovine mammary epithelium. <i>Journal of Endocrinology</i> , 1998, 159, 173-178.	1.2	51
45	Partitioning of milk accumulation between cisternal and alveolar compartments of the bovine udder: relationship to production loss during once daily milking. <i>Journal of Dairy Research</i> , 1998, 65, 1-8.	0.7	74
46	Effect of unilateral once or twice daily milking of cows on milk yield and udder characteristics in early and late lactation. <i>Journal of Dairy Research</i> , 1997, 64, 487-494.	0.7	61
47	Effect of cortisol on mammary tight junction (TJ) permeability in lactating dairy cows. <i>Livestock Science</i> , 1997, 50, 39-40.	1.2	3
48	17. Elevated sodium content in milk affects milk synthesis, but not mammary tight junction (TJ) integrity in goats. <i>Livestock Science</i> , 1997, 50, 170-171.	1.2	0
49	Time course of milk accumulation-induced opening of mammary tight junctions, and blood clearance of milk components. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1997, 273, R379-R386.	0.9	60
50	An Improved Method for the Routine Biopsy of Bovine Mammary Tissue. <i>Journal of Dairy Science</i> , 1996, 79, 543-549.	1.4	142
51	Continuous versus single drainage of milk from the bovine mammary gland during a 24 hour period. <i>Experimental Physiology</i> , 1996, 81, 141-149.	0.9	19
52	Effect of milking frequency on milk somatic cell count characteristics and mammary secretory cell damage in cows. <i>American Journal of Veterinary Research</i> , 1996, 57, 902-5.	0.3	32
53	EGTA-induced disruption of epithelial cell tight junctions in the lactating caprine mammary gland. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1995, 269, R848-R855.	0.9	37
54	Effect of bovine somatotropin administration during the last trimester of gestation on maternal growth, and foetal and placental development in primigravid ewes. <i>Animal Science</i> , 1994, 58, 87-94.	1.3	10

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55	Effect of Once Daily Milking and Concurrent Somatotropin on Mammary Tight Junction Permeability and Yield of Cows. <i>Journal of Dairy Science</i> , 1994, 77, 2994-3001.	1.4	75
56	Effect of Milking Frequency and Somatotropin on the Activity of Plasminogen Activator, Plasminogen, and Plasmin in Bovine Milk. <i>Journal of Dairy Science</i> , 1994, 77, 3577-3583.	1.4	50
57	Mammary Epithelial Cell Tight Junction Integrity and Mammary Blood Flow During an Extended Milking Interval in Goats. <i>Journal of Dairy Science</i> , 1994, 77, 426-432.	1.4	94
58	Mammary-derived growth inhibitor in bovine milk: Effect of milking frequency and somatotropin administration. <i>Canadian Journal of Animal Science</i> , 1994, 74, 695-698.	0.7	6
59	Effect of Prepartum Bovine Somatotropin in Primigravid Ewes on Mammogenesis, Milk Production, and Hormone Concentrations. <i>Journal of Dairy Science</i> , 1993, 76, 992-1001.	1.4	37
60	Effect of plane of nutrition between 6 and 16 months of age on body composition, plasma hormone concentrations and first-lactation milk production in Holstein heifers. <i>Canadian Journal of Animal Science</i> , 1992, 72, 337-346.	0.7	14
61	Growth and Subsequent Lactation in Primigravid Holstein Heifers After Prepartum Bovine Somatotropin Treatment. <i>Journal of Dairy Science</i> , 1992, 75, 463-471.	1.4	31
62	Applications of recombinant DNA technology to improve milk production: a review. <i>Livestock Science</i> , 1992, 31, 153-178.	1.2	9
63	NUCLEAR MAGNETIC RESONANCE IMAGING AND PROTON SPECTROSCOPY USED AS A TECHNIQUE TO ASSESS MAMMARY GLAND COMPOSITION IN HOLSTEIN HEIFERS. <i>Canadian Journal of Animal Science</i> , 1990, 70, 1151-1154.	0.7	8
64	Effect of Plane of Nutrition on Growth and Mammary Gland Development in Holstein Heifers. <i>Journal of Dairy Science</i> , 1990, 73, 2333-2341.	1.4	26