

R Michael Akers

List of Publications by Year in descending order

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41
papers

1,557
citations

331538

21
h-index

315616

38
g-index

42
all docs

42
docs citations

42
times ranked

1088
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of mammary gland growth and morphogenesis by the mammary fat pad: a species comparison. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 1999, 4, 53-68.	1.0	190
2	Mammary involution in dairy animals. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 1999, 4, 137-144.	1.0	172
3	Lactogenic Hormones: Binding Sites, Mammary Growth, Secretory Cell Differentiation, and Milk Biosynthesis in Ruminants. <i>Journal of Dairy Science</i> , 1985, 68, 501-519.	1.4	122
4	Mastitis and its Impact on Structure and Function in the Ruminant Mammary Gland. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2011, 16, 275-289.	1.0	114
5	Effect of Exogenous Bovine Somatotropin on Pubertal Mammary Development in Heifers. <i>Journal of Dairy Science</i> , 1986, 69, 1528-1535.	1.4	94
6	Hormonal Regulation of $\hat{\iota}$ -Lactalbumin Secretion from Bovine Mammary Tissue Cultured in Vitro*. <i>Endocrinology</i> , 1983, 112, 1324-1330.	1.4	82
7	The origin and evolution of lactation. <i>Journal of Biology</i> , 2009, 8, 37.	2.7	61
8	A 100-Year Review: Mammary development and lactation. <i>Journal of Dairy Science</i> , 2017, 100, 10332-10352.	1.4	59
9	Modulation of protein adsorption and cell adhesion by poly(allylamine hydrochloride) heparin films. <i>Biomaterials</i> , 2005, 26, 2975-2981.	5.7	56
10	Local IGF-I axis in peripubertal ruminant mammary development. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2000, 5, 43-51.	1.0	52
11	Alpha-Lactalbumin in Bovine Serum: Relationships with Udder Development and Function. <i>Journal of Dairy Science</i> , 1987, 70, 259-264.	1.4	47
12	Radioimmunoassay for measurement of bovine $\hat{\iota}$ -lactalbumin in serum, milk and tissue culture media. <i>Journal of Dairy Research</i> , 1986, 53, 419-429.	0.7	46
13	Biochemical and ultrastructural aspects of milk synthesis and secretion. <i>International Journal of Biochemistry & Cell Biology</i> , 1984, 16, 855-865.	0.8	40
14	Expression of Ovine Insulin-Like Growth Factor-1 (IGF-1) Stimulates Alveolar Bud Development in Mammary Glands of Transgenic Mice. <i>Endocrine</i> , 1998, 8, 251-260.	2.2	39
15	Is Oxytocin Really Necessary for Efficient Milk Removal in Dairy Cows?. <i>Journal of Dairy Science</i> , 1983, 66, 2251-2259.	1.4	29
16	IGF-I-Induced IGFBP-3 potentiates the mitogenic actions of IGF-I in mammary epithelial MD-IGF-I cells. <i>Molecular and Cellular Endocrinology</i> , 1994, 102, 131-139.	1.6	29
17	Effect of Induced Leucocyte Migration on Mammary Cell Morphology and Milk Component Biosynthesis. <i>Journal of Dairy Science</i> , 1987, 70, 1685-1695.	1.4	27
18	Relationship of Milk Proteins in Blood with Somatic Cell Counts in Milk of Dairy Cows. <i>Journal of Dairy Science</i> , 1988, 71, 826-834.	1.4	27

#	ARTICLE	IF	CITATIONS
19	Methionine-Containing Peptides Can Be Used As Methionine Sources for Protein Accretion in Cultured C2C12 and MAC-T Cells. <i>Journal of Nutrition</i> , 1996, 126, 232-241.	1.3	25
20	Effects of Intermittent Electrical Shock on Responses Related to Milk Ejection. <i>Journal of Dairy Science</i> , 1985, 68, 391-401.	1.4	23
21	Effect of Presence of Calf on Milking-Induced Release of Prolactin and Oxytocin During Early Lactation of Dairy Cows. <i>Journal of Dairy Science</i> , 1984, 67, 115-122.	1.4	22
22	Reduced Serum Insulin-Like Growth Factor (IGF) I Is Associated with Reduced Liver IGF-I mRNA and Liver Growth Hormone Receptor mRNA in Food-Deprived Cattle. <i>Journal of Nutrition</i> , 2003, 133, 2555-2560.	1.3	20
23	Cytoplasmic organization and quantitation of microtubules in bovine mammary epithelial cells during lactation and involution. <i>Cell and Tissue Research</i> , 1982, 223, 421-430.	1.5	19
24	Clearance and Secretion Rates of Prolactin in Dairy Cattle in Various Physiological States. <i>Experimental Biology and Medicine</i> , 1980, 164, 115-119.	1.1	18
25	Influence of Breed and Hormones on Production of Milk Proteins by Mammary Explants from Prepubertal Heifers. <i>Journal of Dairy Science</i> , 1989, 72, 1754-1763.	1.4	18
26	Effect of prepartum blockade of microtubule formation on ultrastructural differentiation of the mammary epithelium in holstein heifers. <i>International Journal of Biochemistry & Cell Biology</i> , 1983, 15, 777-788.	0.8	16
27	Characterization of Lactogenic Hormone Binding to Membranes from Ovine and Bovine Mammary Gland and Liver. <i>Journal of Dairy Science</i> , 1984, 67, 2224-2235.	1.4	15
28	Insulin-like growth factor (IGF) binding protein-3 regulation of IGF-I is altered in an acidic extracellular environment. <i>Journal of Cellular Physiology</i> , 2001, 189, 356-365.	2.0	15
29	Lactogenic hormones and extracellular matrix regulate expression of IGF-1 linked to MMTV-LTR in mammary epithelial cells. <i>Molecular and Cellular Endocrinology</i> , 1993, 96, 147-157.	1.6	14
30	Effect of feeding level on serum IGF1 response to GH injection. <i>Journal of Endocrinology</i> , 2010, 206, 37-45.	1.2	11
31	Alginate Encapsulation Impacts the Insulin-like Growth Factor-I System of Monolayer-Expanded Equine Articular Chondrocytes and Cell Response to Interleukin-1 β . <i>Tissue Engineering</i> , 2007, 13, 1333-1345.	4.9	8
32	Management and Environmental Influences on Mammary Gland Development and Milk Production. , 2009, , 259-292.		8
33	Milk Protein Secretion by Explants of Prepubertal Bull Mammary Tissue: Breed Differences. <i>Journal of Dairy Science</i> , 1988, 71, 2904-2914.	1.4	7
34	Transcriptional and proteolytic regulation of the insulin-like growth factor-I system of equine articular chondrocytes by recombinant equine interleukin-1 β . <i>Journal of Cellular Physiology</i> , 2006, 209, 542-550.	2.0	7
35	Increased degradation of insulin-like growth factor-I in serum from feed-deprived steers. <i>Domestic Animal Endocrinology</i> , 2008, 35, 343-351.	0.8	7
36	The influence of postnatal nutrition on reproductive tract and endometrial gland development in dairy calves. <i>Journal of Dairy Science</i> , 2017, 100, 3243-3256.	1.4	6

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37	Circannual changes in progesterone secretion in intact ewes, luteinizing hormone secretion in ovariectomized estradiol-implanted ewes, and prolactin secretion in three sheep breeds anticipated to differ in seasonality of reproduction. <i>Animal Reproduction Science</i> , 2013, 138, 194-202.	0.5	5
38	One or More Serum Factors Promote Peptide Utilization in Cultured Animal Cells , , <i>Journal of Nutrition</i> , 1998, 128, 744-750.	1.3	4
39	Real-Time Detection of Insulin-Like Growth Factor-1 Stimulation of the MAC-T Bovine Mammary Epithelial Cell Line. <i>Endocrine</i> , 2000, 13, 345-352.	2.2	3
40	IGF-I Stimulation of Extracellular Acidification Is Not Linked to Cell Proliferation for Autocrine Cells. <i>Endocrine</i> , 2001, 15, 205-212.	2.2	0
41	Bovine mammary anatomy and function. , 0, , 51-56.		0