

A J Heinrichs

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

5,791
citations

81839

39
h-index

76872

74
g-index

97
all docs

97
docs citations

97
times ranked

2890
citing authors

#	ARTICLE	IF	CITATIONS
1	Invited review: The importance of colostrum in the newborn dairy calf. <i>Journal of Dairy Science</i> , 2022, 105, 2733-2749.	1.4	39
2	Replacing soybean hulls with grass hay on growth, intake, total tract digestibility, and rumen microbial nitrogen production of weaned Holstein dairy calves from 8 to 16 weeks of age. <i>Journal of Dairy Science</i> , 2021, 104, 1714-1727.	1.4	3
3	Relationship of body weight at first calving with milk yield and herd life. <i>Journal of Dairy Science</i> , 2021, 104, 397-404.	1.4	7
4	Starch-protein interaction in the rumen of weaned dairy calves. <i>Journal of Dairy Science</i> , 2021, 104, 5445-5456.	1.4	3
5	Short communication: Relationships between physical form of oats in starter, rumen pH, and volatile fatty acids on hepatic expression of genes involved in metabolism and inflammation in dairy calves. <i>Journal of Dairy Science</i> , 2020, 103, 439-446.	1.4	11
6	Symposium review: Colostrum management and calf nutrition for profitable and sustainable dairy farms. <i>Journal of Dairy Science</i> , 2020, 103, 5694-5699.	1.4	11
7	Feeding various forages and live yeast culture on weaned dairy calf intake, growth, nutrient digestibility, and ruminal fermentation. <i>Journal of Dairy Science</i> , 2020, 103, 8880-8897.	1.4	8
8	Increasing grass hay inclusion level on weaned dairy calf growth, intake, digestibility, and ruminal fermentation. <i>Journal of Dairy Science</i> , 2020, 103, 9012-9023.	1.4	7
9	Effect of converting weaned dairy calves from a component-fed diet to a total mixed ration on growth and nutrient digestibility. <i>Journal of Dairy Science</i> , 2020, 103, 6190-6199.	1.4	7
10	Symposium review: Strategies to improve the efficiency and profitability of heifer raising. <i>Journal of Dairy Science</i> , 2020, 103, 5700-5708.	1.4	8
11	Comparison of immunoglobulin G absorption in calves fed maternal colostrum, a commercial whey-based colostrum replacer, or supplemented maternal colostrum. <i>Journal of Dairy Science</i> , 2020, 103, 4838-4845.	1.4	17
12	Consensus recommendations on calf- and herd-level passive immunity in dairy calves in the United States. <i>Journal of Dairy Science</i> , 2020, 103, 7611-7624.	1.4	132
13	Effects of once- versus twice-a-day feeding of pasteurized milk supplemented with yeast-derived feed additives on growth and health in female dairy calves. <i>Journal of Dairy Science</i> , 2019, 102, 3654-3660.	1.4	17
14	Effect of different heating times of high-, medium-, and low-quality colostrum on immunoglobulin G absorption in dairy calves. <i>Journal of Dairy Science</i> , 2019, 102, 2068-2074.	1.4	23
15	Effects of ad libitum or restricted access to total mixed ration with supplemental long hay on production, intake, and rumination. <i>Journal of Dairy Science</i> , 2018, 101, 10922-10928.	1.4	22
16	Comparison of immune responses in calves fed heat-treated or unheated colostrum. <i>Journal of Dairy Science</i> , 2017, 100, 4090-4101.	1.4	18
17	Short communication: Glucose kinetics in dairy heifers limit-fed a low- or high-forage ration at 4 levels of nitrogen intake. <i>Journal of Dairy Science</i> , 2017, 100, 3718-3724.	1.4	1
18	Short communication: Verifying Holstein heifer heart girth to body weight prediction equations. <i>Journal of Dairy Science</i> , 2017, 100, 8451-8454.	1.4	18

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19	A 100-Year Review: A century of dairy heifer research. <i>Journal of Dairy Science</i> , 2017, 100, 10173-10188.	1.4	21
20	A 100-Year Review: Calf nutrition and management. <i>Journal of Dairy Science</i> , 2017, 100, 10151-10172.	1.4	108
21	A meta-analysis of the effects of preweaned calf nutrition and growth on first-lactation performance. <i>Journal of Dairy Science</i> , 2016, 99, 6206-6214.	1.4	112
22	Association of calf growth traits with production characteristics in dairy cattle. <i>Journal of Dairy Science</i> , 2016, 99, 8347-8355.	1.4	48
23	Efficiency and rumen responses in younger and older Holstein heifers limit-fed diets of differing energy density. <i>Journal of Dairy Science</i> , 2016, 99, 2825-2836.	1.4	20
24	Straw particle size in calf starters: Effects on digestive system development and rumen fermentation. <i>Journal of Dairy Science</i> , 2016, 99, 341-353.	1.4	32
25	Effects of corn silage particle size, supplemental hay, and forage-to-concentrate ratio on rumen pH, feed preference, and milk fat profile of dairy cattle. <i>Journal of Dairy Science</i> , 2015, 98, 4850-4868.	1.4	20
26	Effect of colostrum heat treatment and bacterial population on immunoglobulin G absorption and health of neonatal calves. <i>Journal of Dairy Science</i> , 2015, 98, 4640-4645.	1.4	64
27	Digestive development in neonatal dairy calves with either whole or ground oats in the calf starter. <i>Journal of Dairy Science</i> , 2015, 98, 3417-3431.	1.4	29
28	Effect of corn silage particle size and supplemental hay on rumen pH and feed preference by dairy cows fed high-starch diets. <i>Journal of Dairy Science</i> , 2015, 98, 373-385.	1.4	25
29	Feeding lactating dairy cattle long hay separate from the total mixed ration can maintain dry matter intake during incidents of low rumen pH. <i>Journal of Dairy Science</i> , 2014, 97, 7175-7184.	1.4	15
30	Heat treatment of colostrum increases immunoglobulin G absorption efficiency in high-, medium-, and low-quality colostrum. <i>Journal of Dairy Science</i> , 2014, 97, 2355-2360.	1.4	31
31	Chewing activities and particle size of rumen digesta and feces of precision-fed dairy heifers fed different forage levels with increasing levels of distillers grains. <i>Journal of Dairy Science</i> , 2013, 96, 5184-5193.	1.4	17
32	Subacute ruminal acidosis and total mixed ration preference in lactating dairy cows. <i>Journal of Dairy Science</i> , 2013, 96, 6610-6620.	1.4	32
33	Identifying efficient dairy heifer producers using production costs and data envelopment analysis. <i>Journal of Dairy Science</i> , 2013, 96, 7355-7362.	1.4	50
34	Effects of varying forage particle size and fermentable carbohydrates on feed sorting, ruminal fermentation, and milk and component yields of dairy cows. <i>Journal of Dairy Science</i> , 2013, 96, 3085-3097.	1.4	29
35	Effect of forage particle length on rumen fermentation, sorting and chewing activity of late-lactation and non-lactating dairy cows. <i>Animal</i> , 2013, 7, 272-278.	1.3	15
36	A prospective study of calf factors affecting first-lactation and lifetime milk production and age of cows when removed from the herd. <i>Journal of Dairy Science</i> , 2011, 94, 336-341.	1.4	166

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37	Effect of varying total mixed ration particle size on rumen digesta and fecal particle size and digestibility in lactating dairy cows. <i>Journal of Dairy Science</i> , 2011, 94, 3527-3536.	1.4	69
38	Effects of including corn distillers dried grains with solubles in dairy calf feeds. <i>Journal of Dairy Science</i> , 2011, 94, 3037-3044.	1.4	38
39	Effect of heat treatment of bovine colostrum on bacterial counts, viscosity, and immunoglobulin G concentration. <i>Journal of Dairy Science</i> , 2010, 93, 961-967.	1.4	51
40	Technical note: Evaluation of procedures for analyzing ration sorting and rumen digesta particle size in dairy cows. <i>Journal of Dairy Science</i> , 2010, 93, 3784-3788.	1.4	10
41	Genetic parameters of feed intake, production, body weight, body condition score, and selected type traits of Holstein cows in commercial tie-stall barns. <i>Journal of Dairy Science</i> , 2010, 93, 4892-4901.	1.4	71
42	Effect of feed sorting on chewing behavior, production, and rumen fermentation in lactating dairy cows. <i>Journal of Dairy Science</i> , 2010, 93, 4791-4803.	1.4	37
43	Short communication: Analysis of milk yield and composition for dairy heifers limit-fed lower forage diets during the rearing period. <i>Journal of Dairy Science</i> , 2010, 93, 4730-4734.	1.4	4
44	Effect of limit feeding high- and low-concentrate diets with <i>Saccharomyces cerevisiae</i> on digestibility and on dairy heifer growth and first-lactation performance. <i>Journal of Dairy Science</i> , 2009, 92, 5100-5110.	1.4	36
45	Feeding heat-treated colostrum to neonatal dairy heifers: Effects on growth characteristics and blood parameters. <i>Journal of Dairy Science</i> , 2009, 92, 3265-3273.	1.4	39
46	Feeding heat-treated colostrum or unheated colostrum with two different bacterial concentrations to neonatal dairy calves. <i>Journal of Dairy Science</i> , 2009, 92, 4565-4571.	1.4	41
47	Analysis of Nitrogen Utilization and Excretion in Growing Dairy Cattle. <i>Journal of Dairy Science</i> , 2008, 91, 1519-1533.	1.4	32
48	Effects of Nucleotide Supplementation in Milk Replacer on Small Intestinal Absorptive Capacity in Dairy Calves. <i>Journal of Dairy Science</i> , 2008, 91, 2759-2770.	1.4	20
49	Rumen Digestion and Nutritional Efficiency of Dairy Heifers Limit-Fed a High Forage Ration to Four Levels of Dry Matter Intake. <i>Journal of Dairy Science</i> , 2008, 91, 3579-3588.	1.4	34
50	A Survey of Bacteriological Quality and the Occurrence of <i>Salmonella</i> in Raw Bovine Colostrum. <i>Foodborne Pathogens and Disease</i> , 2008, 5, 853-858.	0.8	42
51	A Survey of Bovine Colostrum Composition and Colostrum Management Practices on Pennsylvania Dairy Farms. <i>Journal of Dairy Science</i> , 2007, 90, 4108-4116.	1.4	225
52	The Effects of Controlled Feeding of a High-Forage or High-Concentrate Ration on Heifer Growth and First-Lactation Milk Production. <i>Journal of Dairy Science</i> , 2007, 90, 3388-3396.	1.4	56
53	Nutrient Utilization of Differing Forage-to-Concentrate Ratios by Growing Holstein Heifers. <i>Journal of Dairy Science</i> , 2007, 90, 5580-5586.	1.4	51
54	Variability in Holstein heifer heart-girth measurements and comparison of prediction equations for live weight. <i>Preventive Veterinary Medicine</i> , 2007, 78, 333-338.	0.7	52

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55	Effects of Adding Extra Molasses to a Texturized Calf Starter on Rumen Development, Growth Characteristics, and Blood Parameters in Neonatal Dairy Calves. <i>Journal of Dairy Science</i> , 2005, 88, 411-418.	1.4	57
56	A Prospective Study of Calf Factors Affecting Age, Body Size, and Body Condition Score at First Calving of Holstein Dairy Heifers. <i>Journal of Dairy Science</i> , 2005, 88, 2828-2835.	1.4	65
57	Prediction of Manure and Nutrient Excretion from Dairy Cattle. <i>Journal of Dairy Science</i> , 2005, 88, 3721-3733.	1.4	173
58	Meta-Analysis to Assess Effect of Prepubertal Average Daily Gain of Holstein Heifers on First-Lactation Production. <i>Journal of Dairy Science</i> , 2005, 88, 3860-3867.	1.4	110
59	Development and Analysis of a Rumen Tissue Sampling Procedure. <i>Journal of Dairy Science</i> , 2004, 87, 1336-1344.	1.4	120
60	Effects of Supplemental Yeast (<i>Saccharomyces cerevisiae</i>) Culture on Rumen Development, Growth Characteristics, and Blood Parameters in Neonatal Dairy Calves. <i>Journal of Dairy Science</i> , 2004, 87, 1832-1839.	1.4	155
61	Effects of Corn Processing on Growth Characteristics, Rumen Development, and Rumen Parameters in Neonatal Dairy Calves. <i>Journal of Dairy Science</i> , 2004, 87, 3439-3450.	1.4	174
62	Dietary Protein to Metabolizable Energy Ratios on Feed Efficiency and Structural Growth of Prepubertal Holstein Heifers. <i>Journal of Dairy Science</i> , 2003, 86, 268-274.	1.4	38
63	The Effect of Reducing Alfalfa Haylage Particle Size on Cows in Early Lactation. <i>Journal of Dairy Science</i> , 2003, 86, 1445-1457.	1.4	115
64	Modification of the Penn State Forage and Total Mixed Ration Particle Separator and the Effects of Moisture Content on its Measurements. <i>Journal of Dairy Science</i> , 2003, 86, 1858-1863.	1.4	406
65	Altering Soluble and Potentially Rumen Degradable Protein for Prepubertal Holstein Heifers. <i>Journal of Dairy Science</i> , 2003, 86, 2122-2130.	1.4	13
66	Effects of Increasing Dietary Protein on Nutrient Utilization in Heifers. <i>Journal of Dairy Science</i> , 2003, 86, 2170-2177.	1.4	36
67	The Effect of Corn Silage Particle Size and Cottonseed Hulls on Cows in Early Lactation. <i>Journal of Dairy Science</i> , 2003, 86, 2438-2451.	1.4	103
68	The Effect of Corn Silage Particle Size on Eating Behavior, Chewing Activities, and Rumen Fermentation in Lactating Dairy Cows. <i>Journal of Dairy Science</i> , 2003, 86, 3343-3353.	1.4	177
69	Effects of Mannan Oligosaccharide or Antibiotics in Neonatal Diets on Health and Growth of Dairy Calves. <i>Journal of Dairy Science</i> , 2003, 86, 4064-4069.	1.4	130
70	Technical Note—A Comparison of Methods Used to Measure Eating and Ruminating Activity in Confined Dairy Cattle. <i>Journal of Dairy Science</i> , 2002, 85, 1801-1803.	1.4	55
71	What Affects the Costs of Raising Replacement Dairy Heifers: A Multiple-Component Analysis. <i>Journal of Dairy Science</i> , 2001, 84, 1836-1844.	1.4	139
72	Development of a Cost Analysis Spreadsheet for Calculating the Costs to Raise a Replacement Dairy Heifer. <i>Journal of Dairy Science</i> , 2000, 83, 1104-1109.	1.4	89

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73	Processing, mixing, and particle size reduction of forages for dairy cattle.. Journal of Animal Science, 1999, 77, 180.	0.2	50
74	Feed Bunk Length Requirements for Holstein Dairy Heifers. Journal of Dairy Science, 1999, 82, 99-109.	1.4	35
75	The Effects of Accelerated Growth Rates and Estrogen Implants in Prepubertal Holstein Heifers on Growth, Feed Efficiency, and Blood Parameters. Journal of Dairy Science, 1999, 82, 1746-1752.	1.4	31
76	The Effects of Accelerated Growth Rates and Estrogen Implants in Prepubertal Holstein Heifers on Estimates of Mammary Development and Subsequent Reproduction and Milk Production. Journal of Dairy Science, 1999, 82, 1753-1764.	1.4	59
77	The Effects of Disease, Management, and Nutrition on Average Daily Gain of Dairy Heifers from Birth to Four Months. Journal of Dairy Science, 1998, 81, 1004-1009.	1.4	45
78	Management practices associated with high mortality among preweaned dairy heifers. Journal of Dairy Research, 1997, 64, 1-11.	0.7	58
79	A Comparison of Milk Protein Sources in Diets of Calves up to Eight Weeks of Age. Journal of Dairy Science, 1997, 80, 2977-2983.	1.4	29
80	An analysis of age and body weight at first calving for Holsteins in the United States. Preventive Veterinary Medicine, 1997, 32, 193-205.	0.7	12
81	Dairy Operation Management Practices and Herd Milk Production. Journal of Dairy Science, 1996, 79, 506-514.	1.4	28
82	A Simple Method for the Analysis of Particle Sizes of Forage and Total Mixed Rations. Journal of Dairy Science, 1996, 79, 922-928.	1.4	421
83	Management variables associated with high mortality rates attributable to respiratory tract problems in female calves prior to weaning. Journal of the American Veterinary Medical Association, 1996, 209, 1756-9.	0.2	8
84	A Study of the Use of Milk Replacers for Dairy Calves in the United States. Journal of Dairy Science, 1995, 78, 2831-2837.	1.4	53
85	Standards of Weight and Height for Ayrshire, Brown Swiss, and Milking Shorthorn Heifers. Journal of Dairy Science, 1994, 77, 1676-1681.	1.4	10
86	The National Dairy Heifer Evaluation Project: A Profile of Heifer Management Practices in the United States. Journal of Dairy Science, 1994, 77, 1548-1555.	1.4	52
87	Initial Results of a Statewide Extension Program in Calf and Heifer Management in Pennsylvania. Journal of Dairy Science, 1994, 77, 338-342.	1.4	5
88	Raising Dairy Replacements to Meet the Needs of the 21st Century. Journal of Dairy Science, 1993, 76, 3179-3187.	1.4	139
89	Postweaning Age Effects on Rumen Fermentation End-Products and Digesta Kinetics in Calves Weaned at 5 Weeks of Age. Journal of Dairy Science, 1993, 76, 2742-2748.	1.4	36
90	Predicting Body Weight and Withers Height in Holstein Heifers Using Body Measurements. Journal of Dairy Science, 1992, 75, 3576-3581.	1.4	222

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91	Effect of Monensin on Growth, Reproductive Performance, and Estimated Body Composition in Holstein Heifers. <i>Journal of Dairy Science</i> , 1992, 75, 257-261.	1.4	23
92	Effects of Varying Dietary Undegradable Protein on Dry Matter Intake, Growth, and Carcass Composition of Holstein Calves. <i>Journal of Dairy Science</i> , 1991, 74, 3884-3890.	1.4	32
93	Evaluation of Decoquinatate or Lasalocid Against Coccidiosis from Natural Exposure in Neonatal Dairy Calves. <i>Journal of Dairy Science</i> , 1991, 74, 3223-3227.	1.4	10
94	Replacement Nutrition Management. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 1991, 7, 585-597.	0.5	2
95	Influence of Decoquinatate Fed to Neonatal Dairy Calves on Early and Conventional Weaning Systems. <i>Journal of Dairy Science</i> , 1990, 73, 1851-1856.	1.4	13
96	Survey of Calf and Heifer Housing on Pennsylvania Dairy Farms. <i>Journal of Dairy Science</i> , 1987, 70, 1952-1957.	1.4	16
97	Standards of Weight and Height for Holstein Heifers. <i>Journal of Dairy Science</i> , 1987, 70, 653-660.	1.4	153