

A J Heinrichs

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11158436/publications.pdf>

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	A Simple Method for the Analysis of Particle Sizes of Forage and Total Mixed Rations. <i>Journal of Dairy Science</i> , 1996, 79, 922-928.	1.4	421
2	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
3	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
4	Predicting Body Weight and Wither Height in Holstein Heifers Using Body Measurements. <i>Journal of Dairy Science</i> , 1992, 75, 3576-3581.	1.4	222
5	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
6	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
7	Prediction of Manure and Nutrient Excretion from Dairy Cattle. <i>Journal of Dairy Science</i> , 2005, 88, 3721-3733.	1.4	173
8	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
9	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
10	Standards of Weight and Height for Holstein Heifers. <i>Journal of Dairy Science</i> , 1987, 70, 653-660.	1.4	153
11	Raising Dairy Replacements to Meet the Needs of the 21st Century. <i>Journal of Dairy Science</i> , 1993, 76, 3179-3187.	1.4	139
12	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
13	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
14	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
15	Development and Analysis of a Rumen Tissue Sampling Procedure. <i>Journal of Dairy Science</i> , 2004, 87, 1336-1344.	1.4	120
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	A 100-Year Review: Calf nutrition and management. <i>Journal of Dairy Science</i> , 2017, 100, 10151-10172.	1.4	108
20	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
21	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
22	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
23	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
24	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
25	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
26	The Effects of Accelerated Growth Rates and Estrogen Implants in Prepubertal Holstein Heifers on Estimates of Mammary Development and Subsequent Reproduction and Milk Production. <i>Journal of Dairy Science</i> , 1999, 82, 1753-1764.	1.4	59
27	Management practices associated with high mortality among preweaned dairy heifers. <i>Journal of Dairy Research</i> , 1997, 64, 1-11.	0.7	58
28	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
29	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
30	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
31	A Study of the Use of Milk Replacers for Dairy Calves in the United States. <i>Journal of Dairy Science</i> , 1995, 78, 2831-2837.	1.4	53
32	The National Dairy Heifer Evaluation Project: A Profile of Heifer Management Practices in the United States. <i>Journal of Dairy Science</i> , 1994, 77, 1548-1555.	1.4	52
33	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
34	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
35	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
36	Processing, mixing, and particle size reduction of forages for dairy cattle.. <i>Journal of Animal Science</i> , 1999, 77, 180.	0.2	50

#	ARTICLE	IF	CITATIONS
37	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
38	Association of calf growth traits with production characteristics in dairy cattle. <i>Journal of Dairy Science</i> , 2016, 99, 8347-8355.	1.4	48
39	The Effects of Disease, Management, and Nutrition on Average Daily Gain of Dairy Heifers from Birth to Four Months. <i>Journal of Dairy Science</i> , 1998, 81, 1004-1009.	1.4	45
40	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
41	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
42	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
43	Invited review: The importance of colostrum in the newborn dairy calf. <i>Journal of Dairy Science</i> , 2022, 105, 2733-2749.	1.4	39
44	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
45	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
46	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
47	Postweaning Age Effects on Rumen Fermentation End-Products and Digesta Kinetics in Calves Weaned at 5 Weeks of Age. <i>Journal of Dairy Science</i> , 1993, 76, 2742-2748.	1.4	36
48	Effects of Increasing Dietary Protein on Nutrient Utilization in Heifers. <i>Journal of Dairy Science</i> , 2003, 86, 2170-2177.	1.4	36
49	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
50	Feed Bunk Length Requirements for Holstein Dairy Heifers. <i>Journal of Dairy Science</i> , 1999, 82, 99-109.	1.4	35
51	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
52	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
53	Analysis of Nitrogen Utilization and Excretion in Growing Dairy Cattle. <i>Journal of Dairy Science</i> , 2008, 91, 1519-1533.	1.4	32
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	The Effects of Accelerated Growth Rates and Estrogen Implants in Prepubertal Holstein Heifers on Growth, Feed Efficiency, and Blood Parameters. <i>Journal of Dairy Science</i> , 1999, 82, 1746-1752.	1.4	31
57	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
58	A Comparison of Milk Protein Sources in Diets of Calves up to Eight Weeks of Age. <i>Journal of Dairy Science</i> , 1997, 80, 2977-2983.	1.4	29
59	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
60	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
61	Dairy Operation Management Practices and Herd Milk Production. <i>Journal of Dairy Science</i> , 1996, 79, 506-514.	1.4	28
62	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
63	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
64	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
65	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
66	A 100-Year Review: A century of dairy heifer research. <i>Journal of Dairy Science</i> , 2017, 100, 10173-10188.	1.4	21
67	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
68	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
69	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
70	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
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	Survey of Calf and Heifer Housing on Pennsylvania Dairy Farms. <i>Journal of Dairy Science</i> , 1987, 70, 1952-1957.	1.4	16
76	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
77	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
78	Influence of Decoquinat Fed to Neonatal Dairy Calves on Early and Conventional Weaning Systems. <i>Journal of Dairy Science</i> , 1990, 73, 1851-1856.	1.4	13
79	Altering Soluble and Potentially Rumen Degradable Protein for Prepubertal Holstein Heifers. <i>Journal of Dairy Science</i> , 2003, 86, 2122-2130.	1.4	13
80	An analysis of age and body weight at first calving for Holsteins in the United States. <i>Preventive Veterinary Medicine</i> , 1997, 32, 193-205.	0.7	12
81	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
82	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
83	Evaluation of Decoquinat or Lasalocid Against Coccidiosis from Natural Exposure in Neonatal Dairy Calves. <i>Journal of Dairy Science</i> , 1991, 74, 3223-3227.	1.4	10
84	Standards of Weight and Height for Ayrshire, Brown Swiss, and Milking Shorthorn Heifers. <i>Journal of Dairy Science</i> , 1994, 77, 1676-1681.	1.4	10
85	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
86	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
87	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
88	Management variables associated with high mortality rates attributable to respiratory tract problems in female calves prior to weaning. <i>Journal of the American Veterinary Medical Association</i> , 1996, 209, 1756-9.	0.2	8
89	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
90	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

#	ARTICLE	IF	CITATIONS
91	Relationship of body weight at first calving with milk yield and herd life. Journal of Dairy Science, 2021, 104, 397-404.	1.4	7
92	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
93	Short communication: Analysis of milk yield and composition for dairy heifers limit-fed lower forage diets during the rearing period. Journal of Dairy Science, 2010, 93, 4730-4734.	1.4	4
94	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. Journal of Dairy Science, 2021, 104, 1714-1727.	1.4	3
95	Starch-protein interaction in the rumen of weaned dairy calves. Journal of Dairy Science, 2021, 104, 5445-5456.	1.4	3
96	Replacement Nutrition Management. Veterinary Clinics of North America - Food Animal Practice, 1991, 7, 585-597.	0.5	2
97	Short communication: Glucose kinetics in dairy heifers limit-fed a low- or high-forage ration at 4 levels of nitrogen intake. Journal of Dairy Science, 2017, 100, 3718-3724.	1.4	1