

Paul M Fricke

List of Publications by Year in descending order

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76
papers

4,084
citations

94269
37
h-index

118652
62
g-index

76
all docs

76
docs citations

76
times ranked

2072
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of increasing GnRH and PGF2 α dose during Double-Ovsynch on ovulatory response, luteal regression, and fertility of lactating dairy cows. <i>Theriogenology</i> , 2013, 80, 773-783.	0.9	346
2	Effect of dietary organic zinc, manganese, copper, and cobalt supplementation on milk production, follicular growth, embryo quality, and tissue mineral concentrations in dairy cows. <i>Journal of Animal Science</i> , 2010, 88, 3856-3870.	0.2	323
3	Follicular Deviation and Acquisition of Ovulatory Capacity in Bovine Follicles1. <i>Biology of Reproduction</i> , 2001, 65, 1403-1409.	1.2	305
4	Evaluation of Growth, Cell Proliferation, and Cell Death in Bovine Corpora Lutea throughout the Estrous Cycle1. <i>Biology of Reproduction</i> , 1994, 51, 623-632.	1.2	123
5	Effect of milk production on the incidence of double ovulation in dairy cows. <i>Theriogenology</i> , 1999, 52, 1133-1143.	0.9	121
6	Relationships between fertility and postpartum changes in body condition and body weight in lactating dairy cows. <i>Journal of Dairy Science</i> , 2014, 97, 3666-3683.	1.4	119
7	Increased fertility in lactating dairy cows resynchronized with Double-Ovsynch compared with Ovsynch initiated 32 d after timed artificial insemination. <i>Journal of Dairy Science</i> , 2012, 95, 639-653.	1.4	108
8	Effect of progesterone on magnitude of the luteinizing hormone surge induced by two different doses of gonadotropin-releasing hormone in lactating dairy cows. <i>Journal of Dairy Science</i> , 2012, 95, 3781-3793.	1.4	106
9	Assessment of an accelerometer system for detection of estrus and treatment with gonadotropin-releasing hormone at the time of insemination in lactating dairy cows. <i>Journal of Dairy Science</i> , 2012, 95, 7115-7127.	1.4	106
10	Association of changes among body condition score during the transition period with NEFA and BHBA concentrations, milk production, fertility, and health of Holstein cows. <i>Theriogenology</i> , 2017, 104, 30-36.	0.9	92
11	Efficacy of decreasing the dose of GnRH used in a protocol for synchronization of ovulation and timed AI in lactating dairy cows. <i>Theriogenology</i> , 1998, 50, 1275-1284.	0.9	90
12	An economic decision-making support system for selection of reproductive management programs on dairy farms. <i>Journal of Dairy Science</i> , 2011, 94, 6216-6232.	1.4	78
13	Detection of Anovulation by Heatmount Detectors and Transrectal Ultrasonography Before Treatment with Progesterone in a Timed Insemination Protocol. <i>Journal of Dairy Science</i> , 2008, 91, 2901-2915.	1.4	76
14	Factors associated with pregnancy-associated glycoprotein (PAG) levels in plasma and milk of Holstein cows during early pregnancy and their effect on the accuracy of pregnancy diagnosis. <i>Journal of Dairy Science</i> , 2015, 98, 2502-2514.	1.4	76
15	Development of fertility programs to achieve high 21-day pregnancy rates in high-producing dairy cows. <i>Theriogenology</i> , 2018, 114, 165-172.	0.9	75
16	A daily herd Markov-chain model to study the reproductive and economic impact of reproductive programs combining timed artificial insemination and estrus detection. <i>Journal of Dairy Science</i> , 2012, 95, 5442-5460.	1.4	74
17	Prediction of insemination outcomes in Holstein dairy cattle using alternative machine learning algorithms. <i>Journal of Dairy Science</i> , 2014, 97, 731-742.	1.4	74
18	Accuracy of a Pregnancy-Associated Glycoprotein ELISA to Determine Pregnancy Status of Lactating Dairy Cows Twenty-Seven Days After Timed Artificial Insemination. <i>Journal of Dairy Science</i> , 2007, 90, 4612-4622.	1.4	73

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19	Supplementation of progesterone via controlled internal drug release inserts during ovulation synchronization protocols in lactating dairy cows. <i>Journal of Dairy Science</i> , 2010, 93, 922-931.	1.4	70
20	Genetic parameters for anovulation and pregnancy loss in dairy cattle. <i>Journal of Dairy Science</i> , 2009, 92, 5739-5753.	1.4	67
21	Reproductive performance of lactating dairy cows managed for first service using timed artificial insemination with or without detection of estrus using an activity-monitoring system. <i>Journal of Dairy Science</i> , 2014, 97, 2771-2781.	1.4	67
22	Effect of human chorionic gonadotropin administered early in the estrous cycle on ovulation and subsequent luteal function in cows. <i>Journal of Animal Science</i> , 1993, 71, 1242-1246.	0.2	66
23	Effects of twinning on the subsequent reproductive performance and productive lifespan of high-producing dairy cows. <i>Theriogenology</i> , 2012, 78, 2061-2070.	0.9	59
24	Analysis of Reproductive Performance of Lactating Cows on Large Dairy Farms Using Machine Learning Algorithms. <i>Journal of Dairy Science</i> , 2006, 89, 4703-4722.	1.4	58
25	Factors affecting pregnancy loss for single and twin pregnancies in a high-producing dairy herd. <i>Theriogenology</i> , 2009, 71, 1462-1471.	0.9	56
26	Effect of dry period length on reproduction during the subsequent lactation. <i>Journal of Dairy Science</i> , 2009, 92, 3081-3090.	1.4	56
27	Changes in serum pregnancy-associated glycoprotein, pregnancy-specific protein B, and progesterone concentrations before and after induction of pregnancy loss in lactating dairy cows. <i>Journal of Dairy Science</i> , 2012, 95, 683-697.	1.4	50
28	Methods for and Implementation of Pregnancy Diagnosis in Dairy Cows. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2016, 32, 165-180.	0.5	50
29	In vitro production of bovine embryos using sex-sorted sperm. <i>Theriogenology</i> , 2006, 65, 1007-1015.	0.9	49
30	Effect of timing of initiation of resynchronization and presynchronization with gonadotropin-releasing hormone on fertility of resynchronized inseminations in lactating dairy cows. <i>Journal of Dairy Science</i> , 2013, 96, 3788-3798.	1.4	49
31	Modifications to Ovsynch improve fertility during resynchronization: Evaluation of presynchronization with gonadotropin-releasing hormone 6 d before initiation of Ovsynch and addition of a second prostaglandin F2I± treatment. <i>Journal of Dairy Science</i> , 2015, 98, 8741-8752.	1.4	46
32	Observed frequency of monozygotic twinning in Holstein dairy cattle. <i>Theriogenology</i> , 2006, 66, 1292-1299.	0.9	44
33	The association between occurrence and severity of subclinical and clinical mastitis on pregnancies per artificial insemination at first service of Holstein cows. <i>Journal of Dairy Science</i> , 2015, 98, 3791-3805.	1.4	44
34	Economics of resynchronization strategies including chemical tests to identify nonpregnant cows. <i>Journal of Dairy Science</i> , 2013, 96, 949-961.	1.4	41
35	Manipulation of progesterone to increase ovulatory response to the first GnRH treatment of an Ovsynch protocol in lactating dairy cows receiving first timed artificial insemination. <i>Journal of Dairy Science</i> , 2015, 98, 8800-8813.	1.4	40
36	Assessment of a Practical Method for Identifying Anovular Dairy Cows Synchronized for First Postpartum Timed Artificial Insemination. <i>Journal of Dairy Science</i> , 2007, 90, 3255-3262.	1.4	39

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37	Effect of interval to resynchronization of ovulation on fertility of lactating Holstein cows when using transrectal ultrasonography or a pregnancy-associated glycoprotein enzyme-linked immunosorbent assay to diagnose pregnancy status. <i>Journal of Dairy Science</i> , 2009, 92, 3643-3650.	1.4	39
38	Effect of gonadotropin treatment on size, number, and cell proliferation of antral follicles in cows. <i>Domestic Animal Endocrinology</i> , 1997, 14, 171-180.	0.8	37
39	Management of Dry and Transition Cows to Improve Energy Balance and Reproduction. <i>Journal of Reproduction and Development</i> , 2010, 56, S22-S28.	0.5	35
40	Use of a single injection of long-acting recombinant bovine FSH to superovulate Holstein heifers: A preliminary study. <i>Theriogenology</i> , 2014, 82, 481-489.	0.9	35
41	Effect of Pretreatment with Prostaglandin F2 β Before Resynchronization of Ovulation on Fertility of Lactating Dairy Cows. <i>Journal of Dairy Science</i> , 2007, 90, 5509-5517.	1.4	34
42	Supplemental progesterone and timing of resynchronization on pregnancy outcomes in lactating dairy cows. <i>Journal of Dairy Science</i> , 2013, 96, 7032-7042.	1.4	33
43	Fertility of lactating Holstein cows submitted to a Double-Ovsynch protocol and timed artificial insemination versus artificial insemination after synchronization of estrus at a similar day in milk range. <i>Journal of Dairy Science</i> , 2017, 100, 8507-8517.	1.4	33
44	Effect of presynchronization with human chorionic gonadotropin or gonadotropin-releasing hormone 7 days before resynchronization of ovulation on fertility in lactating dairy cows. <i>Journal of Dairy Science</i> , 2012, 95, 5612-5625.	1.4	32
45	Short communication: Effect of adding a second prostaglandin F2 β injection during the Ovsynch protocol on luteal regression and fertility in lactating dairy cows: A meta-analysis. <i>Journal of Dairy Science</i> , 2018, 101, 8566-8571.	1.4	32
46	Presynchronization using a modified Ovsynch protocol or a single gonadotropin-releasing hormone injection 7 d before an Ovsynch-56 protocol for submission of lactating dairy cows to first timed artificial insemination. <i>Journal of Dairy Science</i> , 2014, 97, 6305-6315.	1.4	30
47	Adding a second prostaglandin F2 β treatment to but not reducing the duration of a PRID-Synch protocol increases fertility after resynchronization of ovulation in lactating Holstein cows. <i>Journal of Dairy Science</i> , 2016, 99, 3869-3879.	1.4	28
48	An economic evaluation of management strategies to mitigate the negative effect of twinning in dairy herds. <i>Journal of Dairy Science</i> , 2018, 101, 8335-8349.	1.4	25
49	Growth and cellular proliferation of antral follicles throughout the follicular phase of the estrous cycle in Meishan gilts. <i>Biology of Reproduction</i> , 1996, 54, 879-887.	1.2	24
50	Effects of twin pregnancy and dry period feeding strategy on milk production, energy balance, and metabolic profiles in dairy cows ¹ . <i>Journal of Animal Science</i> , 2010, 88, 1048-1060.	0.2	24
51	Effect of treatment with human chorionic gonadotropin 7 days after artificial insemination or at the time of embryo transfer on reproductive outcomes in nulliparous Holstein heifers. <i>Journal of Dairy Science</i> , 2019, 102, 2593-2606.	1.4	24
52	Effect of manipulating progesterone before timed artificial insemination on reproductive and endocrine parameters in seasonal-calving, pasture-based Holstein-Friesian cows. <i>Journal of Dairy Science</i> , 2016, 99, 6780-6792.	1.4	23
53	Characterization of luteal dynamics in lactating Holstein cows for 32 days after synchronization of ovulation and timed artificial insemination. <i>Journal of Dairy Science</i> , 2017, 100, 9851-9860.	1.4	23
54	Symposium review: The implications of spontaneous versus synchronized ovulations on the reproductive performance of lactating dairy cows. <i>Journal of Dairy Science</i> , 2022, 105, 4679-4689.	1.4	21

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55	Economics of Twin Pregnancies in Dairy Cattle. <i>Animals</i> , 2021, 11, 552.	1.0	19
56	Effects of deep-horn AI on fertilization and embryo production in superovulated cows and heifers. <i>Theriogenology</i> , 2013, 80, 1074-1081.	0.9	18
57	Effect of timing of Cosynch on fertility of lactating Holstein cows after first postpartum and Resynch timed-AI services. <i>Theriogenology</i> , 2007, 67, 1211-1216.	0.9	17
58	Effect of dose and timing of prostaglandin F2 \pm treatments during a Resynch protocol on luteal regression and fertility to timed artificial insemination in lactating Holstein cows. <i>Journal of Dairy Science</i> , 2018, 101, 1730-1736.	1.4	17
59	Potential Applications and Pitfalls of Reproductive Ultrasonography in Bovine Practice. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2005, 21, 419-436.	0.5	16
60	Temporarily decreasing progesterone after timed artificial insemination decreased expression of interferon-tau stimulated gene 15 (ISG15) in blood leukocytes, serum pregnancy-specific protein B concentrations, and embryo size in lactating Holstein cows. <i>Journal of Dairy Science</i> , 2017, 100, 3233-3242.	1.4	16
61	Involvement of lipopolysaccharide in ovarian cystic follicles in dairy cow: Expressions of LPS receptors and steroidogenesis-related genes in follicular cells of cystic follicles. <i>Animal Reproduction Science</i> , 2018, 195, 89-95.	0.5	15
62	Effects of acute feed restriction combined with targeted use of increasing luteinizing hormone content of follicle-stimulating hormone preparations on ovarian superstimulation, fertilization, and embryo quality in lactating dairy cows. <i>Journal of Dairy Science</i> , 2014, 97, 764-778.	1.4	14
63	Short communication: Economic impact among 7 reproductive programs for lactating dairy cows, including a sensitivity analysis of the cost of hormonal treatments. <i>Journal of Dairy Science</i> , 2020, 103, 5654-5661.	1.4	14
64	Effect of manipulating progesterone before timed artificial insemination on reproductive and endocrine outcomes in high-producing multiparous Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 7509-7521.	1.4	13
65	Optimization of reproductive management programs using lift chart analysis and cost-sensitive evaluation of classification errors. <i>Journal of Dairy Science</i> , 2015, 98, 3717-3728.	1.4	11
66	Studies of FSH-P induced follicular growth in cows. <i>Theriogenology</i> , 1994, 42, 43-53.	0.9	10
67	Effect of feeding rolled flaxseed on milk fatty acid profiles and reproductive performance of dairy cows1. <i>Journal of Animal Science</i> , 2010, 88, 3739-3748.	0.2	10
68	Short communication: Effect of timing of induction of ovulation relative to timed artificial insemination using sexed semen on pregnancy outcomes in primiparous Holstein cows. <i>Journal of Dairy Science</i> , 2020, 103, 10856-10861.	1.4	9
69	Human chorionic gonadotropin dose response for induction of ovulation 7 days after a synchronized ovulation in lactating Holstein cows. <i>JDS Communications</i> , 2021, 2, 35-40.	0.5	9
70	Strategic treatment of anovular dairy cows with GnRH. <i>Theriogenology</i> , 2009, 71, 534-542.	0.9	8
71	Genetic Analysis of the Twenty-One-Day Pregnancy Rate in US Holsteins Using an Ordinal Censored Threshold Model with Unknown Voluntary Waiting Period. <i>Journal of Dairy Science</i> , 2007, 90, 1987-1997.	1.4	6
72	Economic impact of adding a second prostaglandin F2 \pm treatment during an Ovsynch protocol using a meta-analytical assessment and a stochastic simulation model. <i>Journal of Dairy Science</i> , 2021, 104, 12153-12163.	1.4	5

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73	Replacing the first gonadotropin-releasing hormone treatment in an Ovsynch protocol with human chorionic gonadotropin decreased pregnancies per artificial insemination in lactating dairy cows. Journal of Dairy Science, 2021, 104, 8290-8300.	1.4	4
74	Comparison of reproductive management programs for submission of Holstein heifers for first insemination with conventional or sexed semen based on expression of estrus, pregnancy outcomes, and cost per pregnancy. Journal of Dairy Science, 2021, 104, 12953-12967.	1.4	4
75	Effect of route of administration of dinoprost tromethamine on plasma profiles of 13,14-dihydro-15-keto-prostaglandin F2I± and progesterone in lactating Holstein cows. JDS Communications, 2021, 2, 421-425.	0.5	1
76	Reproductive programs to maximize fertility of dairy cows. , 0, , 503-520.		0