

Paul M Fricke

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

3,004
citations

34
h-index

53
g-index

76
ext. papers

3,566
ext. citations

3.3
avg, IF

5.02
L-index

#	Paper	IF	Citations
74	Economic impact of adding a second prostaglandin F 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	4.1	12163
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. <i>Journal of Dairy Science</i> , 2021 , 104, 8290-8300	4	0
72	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	1.4	2
71	Economics of Twin Pregnancies in Dairy Cattle. <i>Animals</i> , 2021 , 11,	3.1	4
70	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. <i>Journal of Dairy Science</i> , 2021 , 104, 12953-12967	4	0
69	Effect of route of administration of dinoprost tromethamine on plasma profiles of 13,14-dihydro-15-keto-prostaglandin F _{2α} and progesterone in lactating Holstein cows. <i>JDS Communications</i> , 2021 ,	1.4	1
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	4	4
67	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	4	7
66	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	4	12
65	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	4	6
64	Development of fertility programs to achieve high 21-day pregnancy rates in high-producing dairy cows. <i>Theriogenology</i> , 2018 , 114, 165-172	2.8	42
63	Short communication: Effect of adding a second prostaglandin F 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	4	22
62	Effect of dose and timing of prostaglandin F 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	4	12
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	2.1	11
60	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	4	17
59	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	4	15
58	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	4	16

57	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	2.8	45
56	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	4	14
55	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	4	20
54	Methods for and Implementation of Pregnancy Diagnosis in Dairy Cows. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2016 , 32, 165-80	4.6	34
53	Adding a second prostaglandin F ₂ 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	4	19
52	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, 2502-14	4	57
51	Optimization of reproductive management programs using lift chart analysis and cost-sensitive evaluation of classification errors. <i>Journal of Dairy Science</i> , 2015 , 98, 3717-28	4	7
50	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, 3791-805	4	29
49	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, 8800-13	4	28
48	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 F ₂ treatment. <i>Journal of Dairy Science</i> , 2015 , 98, 8741-52	4	31
47	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, 2771-81	4	48
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, 6305-15	4	24
45	Prediction of insemination outcomes in Holstein dairy cattle using alternative machine learning algorithms. <i>Journal of Dairy Science</i> , 2014 , 97, 731-42	4	47
44	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, 764-78	4	10
43	Relationships between fertility and postpartum changes in body condition and body weight in lactating dairy cows. <i>Journal of Dairy Science</i> , 2014 , 97, 3666-83	4	68
42	Use of a single injection of long-acting recombinant bovine FSH to superovulate Holstein heifers: a preliminary study. <i>Theriogenology</i> , 2014 , 82, 481-9	2.8	22
41	Effects of deep-horn AI on fertilization and embryo production in superovulated cows and heifers. <i>Theriogenology</i> , 2013 , 80, 1074-81	2.8	14
40	Effect of increasing GnRH and PGF ₂ dose during Double-Ovsynch on ovulatory response, luteal regression, and fertility of lactating dairy cows. <i>Theriogenology</i> , 2013 , 80, 773-83	2.8	261

39	Economics of resynchronization strategies including chemical tests to identify nonpregnant cows. <i>Journal of Dairy Science</i> , 2013 , 96, 949-61	4	35
38	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, 3788-98	4	37
37	Supplemental progesterone and timing of resynchronization on pregnancy outcomes in lactating dairy cows. <i>Journal of Dairy Science</i> , 2013 , 96, 7032-7042	4	26
36	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, 639-53	4	87
35	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, 3784-93	4	73
34	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, 683-97	4	37
33	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	4	56
32	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, 5612-25	4	26
31	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, 7115-27	4	73
30	Effects of twinning on the subsequent reproductive performance and productive lifespan of high-producing dairy cows. <i>Theriogenology</i> , 2012 , 78, 2061-70	2.8	46
29	An economic decision-making support system for selection of reproductive management programs on dairy farms. <i>Journal of Dairy Science</i> , 2011 , 94, 6216-32	4	55
28	Effects of twin pregnancy and dry period feeding strategy on milk production, energy balance, and metabolic profiles in dairy cows. <i>Journal of Animal Science</i> , 2010 , 88, 1048-60	0.7	23
27	Effect of feeding rolled flaxseed on milk fatty acid profiles and reproductive performance of dairy cows. <i>Journal of Animal Science</i> , 2010 , 88, 3739-48	0.7	10
26	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, 922-31	4	56
25	Management of dry and transition cows to improve energy balance and reproduction. <i>Journal of Reproduction and Development</i> , 2010 , 56 Suppl, S22-8	2.1	26
24	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, 3856-70	0.7	241
23	Strategic treatment of anovular dairy cows with GnRH. <i>Theriogenology</i> , 2009 , 71, 534-42	2.8	5
22	Factors affecting pregnancy loss for single and twin pregnancies in a high-producing dairy herd. <i>Theriogenology</i> , 2009 , 71, 1462-71	2.8	47

21	Genetic parameters for anovulation and pregnancy loss in dairy cattle. <i>Journal of Dairy Science</i> , 2009 , 92, 5739-53	4	48
20	Effect of dry period length on reproduction during the subsequent lactation. <i>Journal of Dairy Science</i> , 2009 , 92, 3081-90	4	44
19	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, 3643-50	4	33
18	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, 2901-15	4	68
17	Effect of timing of Cosynch on fertility of lactating Holstein cows after first postpartum and Resynch timed-AI services. <i>Theriogenology</i> , 2007 , 67, 1211-6	2.8	16
16	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, 1987-97	4	5
15	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, 3255-62	4	35
14	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, 4612-22	4	59
13	Effect of pretreatment with prostaglandin F2alpha before resynchronization of ovulation on fertility of lactating dairy cows. <i>Journal of Dairy Science</i> , 2007 , 90, 5509-17	4	29
12	Analysis of reproductive performance of lactating cows on large dairy farms using machine learning algorithms. <i>Journal of Dairy Science</i> , 2006 , 89, 4703-22	4	37
11	In vitro production of bovine embryos using sex-sorted sperm. <i>Theriogenology</i> , 2006 , 65, 1007-15	2.8	43
10	Observed frequency of monozygotic twinning in Holstein dairy cattle. <i>Theriogenology</i> , 2006 , 66, 1292-9	2.8	35
9	Potential applications and pitfalls of reproductive ultrasonography in bovine practice. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2005 , 21, 419-36	4.6	12
8	Follicular deviation and acquisition of ovulatory capacity in bovine follicles. <i>Biology of Reproduction</i> , 2001 , 65, 1403-9	3.9	230
7	Effect of milk production on the incidence of double ovulation in dairy cows. <i>Theriogenology</i> , 1999 , 52, 1133-43	2.8	100
6	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, 1275-84	2.8	75
5	Effect of gonadotropin treatment on size, number, and cell proliferation of antral follicles in cows. <i>Domestic Animal Endocrinology</i> , 1997 , 14, 171-80	2.3	34
4	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, 879-87	3.9	23

3	Evaluation of growth, cell proliferation, and cell death in bovine corpora lutea throughout the estrous cycle. <i>Biology of Reproduction</i> , 1994 , 51, 623-32	3.9	109
2	Studies of FSH-P induced follicular growth in cows. <i>Theriogenology</i> , 1994 , 42, 43-53	2.8	6
1	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, 1242-6	0.7	55