Chantal Farmer

List of Publications by Year
in descending order

90 papers	1,901 citations	279701 23 h-index	289141 40 g-index
90 all docs	90 docs citations	90 times ranked	921 citing authors

#	Article	IF	Citations
1	Variability of colostrum yield and colostrum intake in pigs. Animal, 2007, 1, 1033-1041.	1.3	191
2	Nutritional, hormonal, and environmental effects on colostrum in sows1. Journal of Animal Science, 2009, 87, 56-64.	0.2	119
3	Relationships between colostrum production by primiparous sows and sow physiology around parturition1. Journal of Animal Science, 2010, 88, 1672-1683.	0.2	111
4	Dietary fiber for pregnant sows: Influence on sow physiology and performance during lactation1. Journal of Animal Science, 2009, 87, 532-543.	0.2	101
5	Effects of high fiber intake during late pregnancy on sow physiology, colostrum production, and piglet performance1. Journal of Animal Science, 2013, 91, 5269-5279.	0.2	95
6	Bromocriptine given orally to periparturient of lactating sows inhibits milk production.. Journal of Animal Science, 1998, 76, 750.	0.2	83
7	Inhibition of prolactin in the last trimester of gestation decreases mammary gland development in gilts.. Journal of Animal Science, 2000, 78, 1303.	0.2	48
8	Prepartum nest-building has an impact on postpartum nursing performance and maternal behaviour in early lactating sows. Applied Animal Behaviour Science, 2014, 160, 31-37.	0.8	48
9	Hormonal changes following an acute stress in control and somatostatin-immunized pigs. Domestic Animal Endocrinology, 1991, 8, 527-536.	0.8	42
10	Lactation performance of sows fed a bulky diet during gestation and receiving growth hormone-releasing factor during lactation.. Journal of Animal Science, 1996, 74, 1298.	0.2	42
11	Administering exogenous porcine prolactin to lactating sows: milk yield, mammary gland composition, and endocrine and behavioral responses.. Journal of Animal Science, 1999, 77, 1851.	0.2	42
12	Review: nutritional and endocrine control of colostrogenesis in swine. Animal, 2019, 13, s26-s34.	1.3	42
13	Farrowing induction induces transient alterations in prolactin concentrations and colostrum composition in primiparous sows1. Journal of Animal Science, 2011, 89, 3048-3059.	0.2	36
14	The effect of intake on protein metabolism across splanchnic tissues in growing beef steers. British Journal of Nutrition, 1999, 81, 457-466.	1.2	35
15	Specific window of prolactin inhibition in late gestation decreases mammary parenchymal tissue development in gilts1,2. Journal of Animal Science, 2003, 81, 1823-1829.	0.2	35
16	Dietary supplementation with different forms of flax in late gestation and lactation: Effects on sow and litter performances, endocrinology, and immune response1,2. Journal of Animal Science, 2010, 88, 225-237.	0.2	32
17	Impacts of dietary protein level and feed restriction during prepuberty on mammogenesis in gilts12. Journal of Animal Science, 2004, 82, 2343-2351.	0.2	31
18	Lactation performance of sows injected with growth hormone-releasing factor during gestation and(or) lactation. Journal of Animal Science, 1992, 70, 2636-2642.	0.2	25

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19	Effects of dietary supplementation with different forms of flax in late-gestation and lactation on fatty acid profiles in sows and their piglets1,2. Journal of Animal Science, 2009, 87, 2600-2613.	0.2	25
20	Effect of supplementing the diet of lactating sows with NuProÂ® on sow lactation performance and piglet growth. Canadian Journal of Animal Science, 2011, 91, 295-300.	0.7	25
21	Milk production in sows from a teat in second parity is influenced by whether it was suckled in first parity1. Journal of Animal Science, 2012, 90, 3743-3751.	0.2	25
22	Review: Improving the performance of neonatal piglets. Animal, 2022, 16, 100350.	1.3	25
23	Impact of diet deprivation and subsequent over-allowance during prepuberty. Part 1. Effects on growth performance, metabolite status, and mammary gland development in gilts1. Journal of Animal Science, 2012, 90, 863-871.	0.2	24
24	Nutritional impact on mammary development in pigs: a review. Journal of Animal Science, 2018, 96, 3748-3756.	0.2	24
25	Mammary gland development and hormone levels in pregnant Upton-Meishan and Large White giltsâ˜†,â˜†â˜†. Domestic Animal Endocrinology, 2000, 18, 241-251.	0.8	23
26	Effects of the plant extract silymarin on prolactin concentrations, mammary gland development, and oxidative stress in gestating gilts1. Journal of Animal Science, 2014, 92, 2922-2930.	0.2	23
27	Exogenous prolactin stimulates mammary development and alters expression of prolactin-related genes in prepubertal gilts1,2. Journal of Animal Science, 2005, 83, 825-832.	0.2	22
28	Colostrum yield and piglet growth during lactation are related to gilt metabolic and hepatic status prepartum1. Journal of Animal Science, 2014, 92, 2931-2941.	0.2	21
29	Review: Mammary development in swine: effects of hormonal status, nutrition and management. Canadian Journal of Animal Science, 2013, 93, 1-7.	0.7	20
30	Mammary gland involution and endocrine status in sows: Effects of weaning age and lactation heat stress. Canadian Journal of Animal Science, 2007, 87, 35-43.	0.7	19
31	Effects of dietary supplementation with flax during prepuberty on fatty acid profile, mammogenesis, and bone resorption in gilts1,2. Journal of Animal Science, 2007, 85, 1675-1686.	0.2	19
32	Mammary development in prepubertal gilts fed restrictively or ad libitum in two sub-periods between weaning and puberty. Livestock Science, 2006, 99, 249-255.	0.6	18
33	Dietary genistein stimulates mammary hyperplasia in gilts. Animal, 2010, 4, 454-465.	1.3	17
34	Effects of an oat-based high-fibre diet on insulin, glucose, cortisol and free fatty acid concentrations in gilts. Animal Science, 1999, 69, 395-401.	1.3	16
35	Impact of diet deprivation and subsequent overallowance during gestation on mammary gland development and lactation performance1. Journal of Animal Science, 2014, 92, 141-151.	0.2	16
36	Relative prolactin-to-progesterone concentrations around farrowing influence colostrum yield in primiparous sows. Domestic Animal Endocrinology, 2015, 53, 35-41.	0.8	16

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37	Body condition of gilts at the end of gestation affects their mammary development1. Journal of Animal Science, 2016, 94, 1897-1905.	0.2	16
38	Altering prolactin concentrations in sows. Domestic Animal Endocrinology, 2016, 56, S155-S164.	0.8	16
39	TRIENNIAL LACTATION SYMPOSIUM/BOLFA: Adipokines affect mammary growth and function in farm animals1,2. Journal of Animal Science, 2017, 95, 5689-5700.	0.2	16
40	Review: Physiology and nutrition of late gestating and transition sows. Journal of Animal Science, 2022, 100, .	0.2	16
41	Differences in body condition of gilts that are maintained from mating to the end of gestation affect mammary development1. Journal of Animal Science, 2016, 94, 3206-3214.	0.2	15
42	Greater milk yield is related to increased DNA and RNA content but not to mRNA abundance of selected genes in sow mammary tissue. Canadian Journal of Animal Science, 2010, 90, 379-388.	0.7	14
43	Providing the plant extract silymarin to lactating sows: effects on litter performance and oxidative stress in sows. Animal, 2017, 11, 405-410.	1.3	14
44	Effects of active immunization against somatostatin (SRIF) and/or injections of growth hormone-releasing factor (GRF) during gestation on hormonal and metabolic profiles in sows. Domestic Animal Endocrinology, 1991, 8, 415-422.	0.8	13
45	Review: Mammary development in lactating sows: the importance of suckling. Animal, 2019, 13, s20-s25.	1.3	13
46	Oxytocin injections in the postpartal period affect mammary tight junctions in sows1. Journal of Animal Science, 2017, 95, 3532-3539.	0.2	12
47	Comparative study on the relations between backfat thickness in late-pregnant gilts, mammary development and piglet growth1. Translational Animal Science, 2017, 1, 154-159.	0.4	12
48	The combination of nutraceuticals and functional feeds as additives modulates gut microbiota and blood markers associated with immune response and health in weanling piglets. Journal of Animal Science, 2020, 98, .	0.2	12
49	Exogenous porcine somatotropin stimulates mammary development in late-pregnant gilts. Journal of Animal Science, 2019, 97, 2433-2440.	0.2	11
50	Carcass Composition and Resistance to Fasting in Neonatal Piglets Born of Sows Immunized against Somatostatin and/or Receiving Growth Hormone-Releasing Factor Injections during Gestation. Neonatology, 1992, 61, 110-117.	0.9	10
51	Impact of diet deprivation and subsequent over-allowance during prepuberty. Part 2. Effects on mammary gland development and lactation performance of sows1. Journal of Animal Science, 2012, 90, 872-880.	0.2	10
52	Short Communication: Effect of silymarin (Silybum marianum) treatment on prolactin concentrations in cyclic sows. Canadian Journal of Animal Science, 2013, 93, 227-230.	0.7	10
53	Current knowledge on the control of onset and cessation of colostrogenesis in swine. Journal of Animal Science, 2020, 98, S133-S139.	0.2	10
54	Mammary arteriovenous differences of glucose, insulin, prolactin and IGF-I in lactating sows under different protein intake levels. Domestic Animal Endocrinology, 2008, 34, 54-62.	0.8	9

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55	Effects of supplementing processed straw during late gestation on sow physiology, lactation feed intake, and offspring body weight and carcass quality1. Journal of Animal Science, 2019, 97, 3958-3971.	0.2	9
56	Mammary gland development of sows injected with growth hormone-releasing factor during gestation and(or) lactation. Canadian Journal of Animal Science, 1997, 77, 335-338.	0.7	8
57	Short Communication: Relations between peripartum concentrations of prolactin and progesterone in sows and piglet growth in early lactation. Canadian Journal of Animal Science, 2013, 93, 109-112.	0.7	8
58	Using domperidone to induce and sustain hyperprolactinemia in late-pregnant gilts. Domestic Animal Endocrinology, 2019, 66, 14-20.	0.8	8
59	Effects of sustained hyperprolactinemia in late gestation on mammary development of gilts. Domestic Animal Endocrinology, 2020, 72, 106408.	0.8	8
60	Oxytocin injections in the postpartal period affect mammary tight junctions in sows. Journal of Animal Science, 2017, 95, 3532.	0.2	8
61	Preweaning mortality in group-housed lactating sows: Hormonal differences between high risk and low risk sows. Journal of Animal Science, 2014, 92, 2603-2611.	0.2	7
62	Dietary supplementation with lysine (protein) stimulates mammary development in late pregnant gilts. Journal of Animal Science, 2022, 100, .	0.2	7
63	Effects of dose and route of administration of genistein on isoflavone concentrations in post-weaned and gestating sows. Animal, 2013, 7, 983-989.	1.3	6
64	Suckling effects in sows: importance for mammary development and productivity. Animal, 2013, 7, 1964-1968.	1.3	6
65	Plasma amino acids, prolactin, insulin and glucose concentrations in lactating sows following venous infusion of isoleucine, leucine, lysine, threonine or valine. Canadian Journal of Animal Science, 2014, 94, 323-330.	0.7	6
66	Presence of a Bioactive and Immunoreactive Growth-Hormone-Releasing-Factor-Like Substance in Porcine Placenta. Neonatology, 1997, 72, 363-369.	0.9	5
67	Hyperprolactinemia using domperidone in prepubertal gilts: Effects on hormonal status, mammary development and mammary and pituitary gene expression. Domestic Animal Endocrinology, 2021, 76, 106630.	0.8	5
68	Prolactin and the swine mammary gland. Domestic Animal Endocrinology, 2022, 78, 106672.	0.8	5
69	Behaviour of piglets weaned at three or six weeks of age. Acta Agriculturae Scandinavica - Section A: Animal Science, 2009, 59, 59-65.	0.2	4
70	Neonatal piglets are able to differentiate more productive from less productive teats. Applied Animal Behaviour Science, 2016, 174, 24-31.	0.8	4
71	Does duration of teat use in first parity affect milk yield and mammary gene expression in second parity?1. Journal of Animal Science, 2017, 95, 681-687.	0.2	4
72	In vivo growth hormone (GH) response to human GH-releasing factor (GRF) or somatostatin (SRIF) in foetal pigs. Journal of Developmental Physiology, 1992, 17, 93-7.	0.3	4

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73	Age-related changes in secretion rate and post-secretory metabolism of growth hormone in swine. Domestic Animal Endocrinology, 1993, 10, 249-255.	0.8	3
74	2. Lean and fat development in piglets. , 2020, , 41-69.		3
75	Providing domperidone throughout lactation enhances sow lactation performance. Journal of Animal Science, 2021, 99, .	0.2	3
76	Digestive Enzyme Development in Newborn Piglets Born of Sows Immunized against Somatostatin and/or Receiving Growth Hormone-Releasing Factor during Gestation. Neonatology, 1993, 64, 382-391.	0.9	3
77	14. Mammary blood flow and nutrient uptake. , 2015, , 319-334.		3
78	Does duration of teat use in first parity affect milk yield and mammary gene expression in second parity?. Journal of Animal Science, 2017, 95, 681.	0.2	3
79	Impact of diet deprivation and subsequent overallowance during gestation on lactation performance of primiparous sows1. Translational Animal Science, 2018, 2, 162-168.	0.4	2
80	Body condition of late pregnant gilts affects the expression of selected adipokines and their receptors in mammary fat and backfat tissues1. Journal of Animal Science, 2019, 97, 220-230.	0.2	1
81	Impact of arginine supplementation on serum prolactin and mRNA abundance of amino acid transporter genes in mammary tissue of lactating sows. Journal of Animal Science, 2020, 98, .	0.2	1
82	Metoclopramide induces preparturient, low-level hyperprolactinemia to increase milk production in primiparous sows. Domestic Animal Endocrinology, 2021, 74, 106517.	0.8	1
83	241 Metoclopramide induces low-level hyperprolactinemia to increase milk production in sows. Journal of Animal Science, 2020, 98, 179-180.	0.2	1
84	0859 Differences in body condition of gilts that are maintained from mating to the end of gestation affect their mammary development. Journal of Animal Science, 2016, 94, 413-413.	0.2	0
85	PSXVI-6 Diet deprivation followed by compensatory feeding of gestating gilts does not affect lactation performance.. Journal of Animal Science, 2018, 96, 337-337.	0.2	0
86	431 Increasing IGF-1 concentrations in late pregnancy stimulates mammary development of gilts. Journal of Animal Science, 2019, 97, 137-137.	0.2	0
87	PSI-7 Effects of sustained hyperprolactinemia in late gestation on mammary development of gilts. Journal of Animal Science, 2019, 97, 289-289.	0.2	0
88	244 The effect of a high-fiber feeding program for replacement gilts on body weight and composition at breeding. Journal of Animal Science, 2020, 98, 175-175.	0.2	0
89	155 Effects of sustained hyperprolactinemia in late gestation on the mammary parenchymal transcriptome of gilts. Journal of Animal Science, 2020, 98, 121-122.	0.2	0
90	PSVII-9 The Impact of Increasing Dietary Manganese on the Reproductive Performance of Sows. Journal of Animal Science, 2022, 100, 172-173.	0.2	0