

# Miel Hostens

## List of Publications by Year in descending order

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67  
papers

1,653  
citations

257357

24  
h-index

315616

38  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1642  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-Wide Association Study for Lactation Performance in the Early and Peak Stages of Lactation in Holstein Dairy Cows. <i>Animals</i> , 2022, 12, 1541.	1.0	0
2	Predicting the milk yield curve of dairy cows in the subsequent lactation period using deep learning. <i>Computers and Electronics in Agriculture</i> , 2021, 180, 105904.	3.7	17
3	Association between age at first calving and lactation performance, lactation curve, calving interval, calf birth weight, and dystocia in Holstein dairy cows. <i>PLoS ONE</i> , 2021, 16, e0244825.	1.1	29
4	Relationships between metabolic profiles and gene expression in liver and leukocytes of dairy cows in early lactation. <i>Journal of Dairy Science</i> , 2021, 104, 3596-3616.	1.4	19
5	Associations between body condition score, locomotion score, and sensor-based time budgets of dairy cattle during the dry period and early lactation. <i>Journal of Dairy Science</i> , 2021, 104, 4746-4763.	1.4	16
6	Genetic parameters for milk urea and its relationship with milk yield and compositions in Holstein dairy cows. <i>PLoS ONE</i> , 2021, 16, e0253191.	1.1	5
7	Genetic Aspects of Somatic Cell Count in Holstein Dairy Cows in Iran. <i>Animals</i> , 2021, 11, 1637.	1.0	4
8	Pressure measurement in the reticulum to detect different behaviors of healthy cows. <i>PLoS ONE</i> , 2021, 16, e0254410.	1.1	4
9	Prediction of Calving to Conception Interval Length Using Algorithmic Analysis of Endometrial mRNA Expression in Bovine. <i>Animals</i> , 2021, 11, 236.	1.0	2
10	Associations between Circulating IGF-1 Concentrations, Disease Status and the Leukocyte Transcriptome in Early Lactation Dairy Cows. <i>Ruminants</i> , 2021, 1, 147-177.	0.4	10
11	Leveraging sequential information from multivariate behavioral sensor data to predict the moment of calving in dairy cattle using deep learning. <i>Computers and Electronics in Agriculture</i> , 2021, 191, 106566.	3.7	7
12	Between- and within-herd variation in blood and milk biomarkers in Holstein cows in early lactation. <i>Animal</i> , 2020, 14, 1067-1075.	1.3	17
13	Genome-wide association for milk production and lactation curve parameters in Holstein dairy cows. <i>Journal of Animal Breeding and Genetics</i> , 2020, 137, 292-304.	0.8	36
14	Assessment of associations between transition diseases and reproductive performance of dairy cows using survival analysis and decision tree algorithms. <i>Preventive Veterinary Medicine</i> , 2020, 176, 104908.	0.7	21
15	High temperature-humidity index compromises sperm quality and fertility of Holstein bulls in temperate climates. <i>Journal of Dairy Science</i> , 2020, 103, 9502-9514.	1.4	16
16	Potential of milk mid-infrared spectra to predict nitrogen use efficiency of individual dairy cows in early lactation. <i>Journal of Dairy Science</i> , 2020, 103, 4435-4445.	1.4	29
17	Predicting physiological imbalance in Holstein dairy cows by three different sets of milk biomarkers. <i>Preventive Veterinary Medicine</i> , 2020, 179, 105006.	0.7	12
18	A Genome-Wide Association Study for Calving Interval in Holstein Dairy Cows Using Weighted Single-Step Genomic BLUP Approach. <i>Animals</i> , 2020, 10, 500.	1.0	8

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19	Genome-wide association for metabolic clusters in early-lactation Holstein dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 6392-6406.	1.4	3
20	Leveraging latent representations for milk yield prediction and interpolation using deep learning. <i>Computers and Electronics in Agriculture</i> , 2020, 175, 105600.	3.7	9
21	Potential of milk mid-IR spectra to predict metabolic status of cows through blood components and an innovative clustering approach. <i>Animal</i> , 2019, 13, 649-658.	1.3	48
22	Frozen-thawed ampullary cell monolayer improves bovine embryo in vitro development and quality. <i>Zygote</i> , 2019, 27, 337-346.	0.5	7
23	Prediction of metabolic clusters in early-lactation dairy cows using models based on milk biomarkers. <i>Journal of Dairy Science</i> , 2019, 102, 2631-2644.	1.4	36
24	Influence of adipocyte size and adipose depot on the number of adipose tissue macrophages and the expression of adipokines in dairy cows at the end of pregnancy. <i>Journal of Dairy Science</i> , 2018, 101, 6542-6555.	1.4	16
25	Cytological endometritis diagnosed at artificial insemination in repeat breeder dairy cows. <i>Reproduction in Domestic Animals</i> , 2018, 53, 559-561.	0.6	5
26	Reproductive management in dairy cows - the future. <i>Irish Veterinary Journal</i> , 2018, 71, 1.	0.8	74
27	Association between metabolic diseases and the culling risk of high-yielding dairy cows in a transition management facility using survival and decision tree analysis. <i>Journal of Dairy Science</i> , 2018, 101, 9419-9429.	1.4	36
28	Interpretation and visualisation of data from dairy herds. <i>In Practice</i> , 2018, 40, 195-203.	0.1	5
29	Relationship between serum adiponectin concentration, body condition score, and peripheral tissue insulin response of dairy cows during the dry period. <i>Domestic Animal Endocrinology</i> , 2017, 59, 100-104.	0.8	31
30	Risk factors associated with cytological endometritis diagnosed at artificial insemination in dairy cows. <i>Theriogenology</i> , 2017, 92, 1-5.	0.9	20
31	Short communication: Limitations of glucose tolerance tests in the assessment of peripheral tissue insulin sensitivity during pregnancy and lactation in dairy heifers. <i>Journal of Dairy Science</i> , 2017, 100, 2381-2387.	1.4	14
32	Novel approaches to assess the quality of fertility data stored in dairy herd management software. <i>Journal of Dairy Science</i> , 2017, 100, 4078-4089.	1.4	9
33	Flow cytometric assessment of myeloperoxidase in bovine blood neutrophils and monocytes. <i>Journal of Dairy Science</i> , 2017, 100, 7638-7647.	1.4	16
34	Cytological endometritis at artificial insemination in dairy cows: Prevalence and effect on pregnancy outcome. <i>Journal of Dairy Science</i> , 2017, 100, 588-597.	1.4	40
35	Reproductive performance parameters in a large population of game-ranched white rhinoceroses ( <i>Ceratotherium simum simum</i> ). <i>PLoS ONE</i> , 2017, 12, e0187751.	1.1	11
36	109 REPRODUCTIVE PERFORMANCE PARAMETERS IN A LARGE HERD OF CONFINED FREE-ROAMING WHITE RHINOCEROSSES ( <i>CERATOTHERIUM SIMUM</i> ). <i>Reproduction, Fertility and Development</i> , 2017, 29, 163.	0.1	0

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37	Evidence for placental compensation in cattle. <i>Animal</i> , 2016, 10, 1342-1350.	1.3	27
38	Comparison between cytology and histopathology to evaluate subclinical endometritis in dairy cows. <i>Theriogenology</i> , 2016, 86, 1550-1556.	0.9	36
39	Prevalence of cytological endometritis and effect on pregnancy outcomes at the time of insemination in nulliparous dairy heifers. <i>Journal of Dairy Science</i> , 2016, 99, 9051-9056.	1.4	19
40	Distribution of inflammation and association between active and chronic alterations within the endometrium of dairy cows. <i>Reproduction in Domestic Animals</i> , 2016, 51, 751-757.	0.6	13
41	Validation of different measures of insulin sensitivity of glucose metabolism in dairy cows using the hyperinsulinemic euglycemic clamp test as the gold standard. <i>Domestic Animal Endocrinology</i> , 2016, 57, 117-126.	0.8	30
42	Holding equine oocytes in a commercial embryo-holding medium: New perspective on holding temperature and maturation time. <i>Theriogenology</i> , 2016, 86, 1361-1368.	0.9	15
43	Influence of adipocyte size and adipose depot on the in vitro lipolytic activity and insulin sensitivity of adipose tissue in dairy cows at the end of the dry period. <i>Journal of Dairy Science</i> , 2016, 99, 2319-2328.	1.4	34
44	Comparison of PUFA Profiles in the Blood and in Follicular Fluid and its Association with Follicular Dynamics after PGF <sub>2α</sub> Induced Luteolysis in Dairy Cows. <i>Macedonian Veterinary Review</i> , 2016, 39, 175-183.	0.2	0
45	Environmental factors and dam characteristics associated with insulin sensitivity and insulin secretion in newborn Holstein calves. <i>Animal</i> , 2015, 9, 1490-1499.	1.3	13
46	Effect of $\beta$ -hydroxybutyric acid, parity, and body condition score on phenotype and proliferative capacity of colostrum mononuclear leukocytes of high-yielding dairy cows. <i>Journal of Dairy Science</i> , 2015, 98, 6782-6791.	1.4	3
47	A novel cytologic sampling technique to diagnose subclinical endometritis and comparison of staining methods for endometrial cytology samples in dairy cows. <i>Theriogenology</i> , 2015, 84, 1438-1446.	0.9	46
48	Effect of uterine lavage on neutrophil counts in postpartum dairy cows. <i>Animal Reproduction Science</i> , 2015, 158, 25-30.	0.5	17
49	Insulin response of the glucose and fatty acid metabolism in dry dairy cows across a range of body condition scores. <i>Journal of Dairy Science</i> , 2015, 98, 4580-4592.	1.4	49
50	Non-invasive indicators associated with the milk yield response after anthelmintic treatment at calving in dairy cows. <i>BMC Veterinary Research</i> , 2014, 10, 264.	0.7	19
51	A Field Study to Unravel Factors that are Significantly Associated with the Secretory Activity of the Corpus Luteum During the First Three Postpartum Cycles in High Yielding Dairy Cows, Based on the Amount of Steroidogenic and Endothelial Cells Present in the Luteal Tissue. <i>Reproduction in Domestic Animals</i> , 2014, 49, 881-893.	0.6	2
52	Feeding soybean meal increases the blood level of isoflavones and reduces the steroidogenic capacity in bovine corpora lutea, without affecting peripheral progesterone concentrations. <i>Animal Reproduction Science</i> , 2014, 144, 79-89.	0.5	21
53	Age at calving in heifers and level of milk production during gestation in cows are associated with the birth size of Holstein calves. <i>Journal of Dairy Science</i> , 2014, 97, 5448-5458.	1.4	53
54	Maternale en omgevingsfactoren die significant geassocieerd zijn met het geboortegewicht van holsteinkalveren. <i>Vlaams Diergeneeskundig Tijdschrift</i> , 2014, 83, .	0.1	0

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55	Impact of respiratory disease, diarrhea, otitis and arthritis on mortality and carcass traits in white veal calves. <i>BMC Veterinary Research</i> , 2013, 9, 79.	0.7	93
56	Milk fat saturation and reproductive performance in dairy cattle. <i>Animal Reproduction Science</i> , 2013, 141, 116-123.	0.5	6
57	Topographic Distribution of the Different Cell Types, Connective Tissue and Vascular Tissue/Lumina Within a Functional Bovine Corpus Luteum and its Association with Breed, Type of Fixation Protocol and Stage During the Cycle. <i>Reproduction in Domestic Animals</i> , 2013, 48, 627-635.	0.6	4
58	Prospective study on quantitative and qualitative antimicrobial and anti-inflammatory drug use in white veal calves. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 1027-1038.	1.3	157
59	On-farm evaluation of the effect of metabolic diseases on the shape of the lactation curve in dairy cows through the MilkBot lactation model. <i>Journal of Dairy Science</i> , 2012, 95, 2988-3007.	1.4	24
60	The fatty acid profile of subcutaneous and abdominal fat in dairy cows with left displacement of the abomasum. <i>Journal of Dairy Science</i> , 2012, 95, 3756-3765.	1.4	45
61	Longitudinal study on morbidity and mortality in white veal calves in Belgium. <i>BMC Veterinary Research</i> , 2012, 8, 26.	0.7	128
62	Integrating Fasciolosis Control in the Dry Cow Management: The Effect of Closantel Treatment on Milk Production. <i>PLoS ONE</i> , 2012, 7, e43216.	1.1	36
63	Natural antibodies related to metabolic and mammary health in dairy cows. <i>Preventive Veterinary Medicine</i> , 2012, 103, 287-297.	0.7	23
64	Influence of a marine algae supplementation on the oxidative status of plasma in dairy cows during the periparturient period. <i>Preventive Veterinary Medicine</i> , 2012, 103, 298-303.	0.7	33
65	Sera from dams of calves with bovine neonatal pancytopenia contain alloimmune antibodies directed against calf leukocytes. <i>Veterinary Immunology and Immunopathology</i> , 2011, 141, 293-300.	0.5	27
66	The effect of marine algae in the ration of high-yielding dairy cows during transition on metabolic parameters in serum and follicular fluid around parturition. <i>Journal of Dairy Science</i> , 2011, 94, 4603-4615.	1.4	15
67	Teaching Transrectal Palpation of the Internal Genital Organs in Cattle. <i>Journal of Veterinary Medical Education</i> , 2009, 36, 451-460.	0.4	32