

# Andrea Minuti

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,047  
citations

236833

25  
h-index

265120

42  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2455  
citing authors

#	ARTICLE	IF	CITATIONS
1	A heritable subset of the core rumen microbiome dictates dairy cow productivity and emissions. <i>Science Advances</i> , 2019, 5, eaav8391.	4.7	218
2	Assessment of the innate immune response in the periparturient cow. <i>Research in Veterinary Science</i> , 2018, 116, 47-54.	0.9	112
3	Rumination time around calving: An early signal to detect cows at greater risk of disease. <i>Journal of Dairy Science</i> , 2014, 97, 3635-3647.	1.4	98
4	Postoperative Changes in Fecal Bacterial Communities and Fermentation Products in Obese Patients Undergoing Bilio-Intestinal Bypass. <i>Frontiers in Microbiology</i> , 2016, 7, 200.	1.5	94
5	Experimental acute rumen acidosis in sheep: Consequences on clinical, rumen, and gastrointestinal permeability conditions and blood chemistry <sup>1</sup> . <i>Journal of Animal Science</i> , 2014, 92, 3966-3977.	0.2	83
6	Parturient dietary energy intake alters adipose tissue transcriptome profiles during the periparturient period in Holstein dairy cows. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 1.	2.1	80
7	Abundance of ruminal bacteria, epithelial gene expression, and systemic biomarkers of metabolism and inflammation are altered during the periparturient period in dairy cows. <i>Journal of Dairy Science</i> , 2015, 98, 8940-8951.	1.4	71
8	Pro-Inflammatory Cytokine Profile in Dairy Cows: Consequences for New Lactation. <i>Italian Journal of Animal Science</i> , 2015, 14, 3862.	0.8	67
9	What we have lost: Mastitis resistance in Holstein Friesians and in a local cattle breed. <i>Research in Veterinary Science</i> , 2018, 116, 88-98.	0.9	65
10	Gut response induced by weaning in piglet features marked changes in immune and inflammatory response. <i>Functional and Integrative Genomics</i> , 2014, 14, 657-671.	1.4	56
11	Assessment of the main plasma parameters included in a metabolic profile of dairy cow based on Fourier Transform mid-infrared spectroscopy: preliminary results. <i>BMC Veterinary Research</i> , 2016, 12, 4.	0.7	54
12	Role of nutraceuticals during the transition period of dairy cows: a review. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 96.	2.1	52
13	Supplementation with rumen-protected methionine or choline during the transition period influences whole-blood immune response in periparturient dairy cows. <i>Journal of Dairy Science</i> , 2017, 100, 3958-3968.	1.4	47
14	<i>In Vivo</i> Expansion of the Mammary Stem/ Progenitor Cell Population by Xanthosine Infusion. <i>Experimental Biology and Medicine</i> , 2009, 234, 475-482.	1.1	45
15	Immune system, inflammation and nutrition in dairy cattle. <i>Animal Production Science</i> , 2015, 55, 943.	0.6	45
16	Effect of dietary starch level and high rumen-undegradable protein on endocrine-metabolic status, milk yield, and milk composition in dairy cows during early and late lactation. <i>Journal of Dairy Science</i> , 2014, 97, 7788-7803.	1.4	42
17	Differential effects of coconut versus soy oil on gut microbiota composition and predicted metabolic function in adult mice. <i>BMC Genomics</i> , 2018, 19, 808.	1.2	42
18	The role of altered immune function during the dry period in promoting the development of subclinical ketosis in early lactation. <i>Journal of Dairy Science</i> , 2019, 102, 9241-9258.	1.4	42

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19	Relation of inflammation and liver function with the plasma cortisol response to adrenocorticotropin in early lactating dairy cows. <i>Journal of Dairy Science</i> , 2013, 96, 5712-5722.	1.4	41
20	Impact of cystic fibrosis disease on archaea and bacteria composition of gut microbiota. <i>FEMS Microbiology Ecology</i> , 2017, 93, fiw230.	1.3	40
21	Assessment of immune response in periparturient dairy cows using ex vivo whole blood stimulation assay with lipopolysaccharides and carrageenan skin test. <i>Veterinary Immunology and Immunopathology</i> , 2015, 165, 119-126.	0.5	39
22	Immunometabolic status and productive performance differences between periparturient Simmental and Holstein dairy cows in response to pegbovigrastim. <i>Journal of Dairy Science</i> , 2019, 102, 9312-9327.	1.4	28
23	Inflammatory status and metabolic changes at dry-off in high-yield dairy cows. <i>Italian Journal of Animal Science</i> , 2020, 19, 51-65.	0.8	28
24	A mycotoxin-deactivating feed additive counteracts the adverse effects of regular levels of Fusarium mycotoxins in dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 11314-11331.	1.4	27
25	Short-term modifications in the distal gut microbiota of weaning mice induced by a high-fat diet. <i>Microbiology (United Kingdom)</i> , 2012, 158, 983-992.	0.7	26
26	Early post-partum hematological changes in Holstein dairy cows with retained placenta. <i>Animal Reproduction Science</i> , 2015, 152, 17-25.	0.5	25
27	Reference intervals for hematological and biochemical parameters, acute phase proteins and markers of oxidation in Holstein dairy cows around 3 and 30 days after calving. <i>Research in Veterinary Science</i> , 2017, 114, 322-331.	0.9	25
28	Acute mammary and liver transcriptome responses after an intramammary <i>Escherichia coli</i> lipopolysaccharide challenge in postpartal dairy cows. <i>Physiological Reports</i> , 2015, 3, e12388.	0.7	24
29	Plasma albumin-to-globulin ratio before dry-off as a possible index of inflammatory status and performance in the subsequent lactation in dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 8228-8242.	1.4	23
30	Evaluation of circulating leukocyte transcriptome and its relationship with immune function and blood markers in dairy cows during the transition period. <i>Functional and Integrative Genomics</i> , 2020, 20, 293-305.	1.4	20
31	Daily rumination pattern recorded by an automatic rumination-monitoring system in pre-weaned calves fed whole bulk milk and ad libitum calf starter. <i>Livestock Science</i> , 2018, 212, 127-130.	0.6	19
32	Dietary supplement of conjugated linoleic acids or polyunsaturated fatty acids suppressed the mobilization of body fat reserves in dairy cows at early lactation through different pathways. <i>Journal of Dairy Science</i> , 2018, 101, 7954-7970.	1.4	18
33	The Transition Period Updated: A Review of the New Insights into the Adaptation of Dairy Cows to the New Lactation. <i>Dairy</i> , 2021, 2, 617-636.	0.7	18
34	In Vitro Rumen Fermentation Characteristics of Some Naturally Occurring and Synthetic Sugars. <i>Italian Journal of Animal Science</i> , 2013, 12, e57.	0.8	16
35	Plasma fructosamine during the transition period and its relationship with energy metabolism and inflammation biomarkers in dairy cows. <i>Livestock Science</i> , 2018, 216, 138-147.	0.6	15
36	Innate immune responses to metabolic stress can be detected in rumen fluids. <i>Research in Veterinary Science</i> , 2018, 117, 65-73.	0.9	15

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37	Effect of hot season on blood parameters, fecal fermentative parameters, and occurrence of <i>Clostridium tyrobutyricum</i> spores in feces of lactating dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 4437-4447.	1.4	13
38	Application of a NIR device for precision feeding in dairy farms: effect on metabolic conditions and milk production. <i>Italian Journal of Animal Science</i> , 2019, 18, 754-765.	0.8	13
39	Effects of Linoleic Acid on Gut-Derived <i>Bifidobacterium breve</i> DSM 20213: A Transcriptomic Approach. <i>Microorganisms</i> , 2019, 7, 710.	1.6	13
40	Association of postpartum uterine diseases with lying time and metabolic profiles of multiparous Holstein dairy cows in the transition period. <i>Veterinary Journal</i> , 2020, 263, 105533.	0.6	12
41	Assessment of gastrointestinal permeability by lactulose test in sheep after repeated indomethacin treatment <sup>1</sup> . <i>Journal of Animal Science</i> , 2013, 91, 5646-5653.	0.2	11
42	Post-weaning rumen fermentation of Simmental calves in response to weaning age and relationship with rumination time measured by the Hr-Tag rumination-monitoring system. <i>Livestock Science</i> , 2020, 232, 103918.	0.6	11
43	Changes of Plasma Analytes Reflecting Metabolic Adaptation to the Different Stages of the Lactation Cycle in Healthy Multiparous Holstein Dairy Cows Raised in High-Welfare Conditions. <i>Animals</i> , 2021, 11, 1714.	1.0	11
44	Short communication: Inflammation, migration, and cell-cell interaction-related gene network expression in leukocytes is enhanced in Simmental compared with Holstein dairy cows after calving. <i>Journal of Dairy Science</i> , 2020, 103, 1908-1913.	1.4	11
45	The nutrigenomic investigation of C57BL/6N mice fed a short-term high-fat diet highlights early changes in clock genes expression. <i>Genes and Nutrition</i> , 2013, 8, 465-474.	1.2	10
46	Metabolic and biochemical changes in plasma of the periparturient rabbit does with different litter size. <i>Animal</i> , 2015, 9, 614-621.	1.3	10
47	The effect of parity number on the metabolism, inflammation, and oxidative status of dairy sheep during the transition period. <i>Journal of Dairy Science</i> , 2020, 103, 8564-8575.	1.4	10
48	Pegbovigrastim Treatment around Parturition Enhances Postpartum Immune Response Gene Network Expression of whole Blood Leukocytes in Holstein and Simmental Cows. <i>Animals</i> , 2020, 10, 621.	1.0	10
49	In-line near-infrared analysis of milk coupled with machine learning methods for the daily prediction of blood metabolic profile in dairy cattle. <i>Scientific Reports</i> , 2022, 12, 8058.	1.6	10
50	Administration of <i>Aloe arborescens</i> homogenate to cattle: interaction with rumen fermentation and gut absorption of aloin. <i>Italian Journal of Animal Science</i> , 2016, 15, 233-240.	0.8	8
51	Effect of Pegbovigrastim on Hematological Profile of Simmental Dairy Cows during the Transition Period. <i>Animals</i> , 2019, 9, 841.	1.0	8
52	Monensin controlled-release capsule administered in late-pregnancy differentially affects rumination patterns, metabolic status, and cheese-making properties of the milk in primiparous and multiparous cows. <i>Italian Journal of Animal Science</i> , 2019, 18, 1271-1283.	0.8	8
53	Administration of an Immune Stimulant during the Transition Period Improved Lipid Metabolism and Rumination without Affecting Inflammatory Status. <i>Animals</i> , 2019, 9, 619.	1.0	7
54	Effects of <i>Aloe arborescens</i> Whole Plant Homogenate on Lipid Metabolism, Inflammatory Conditions and Liver Function of Dairy Cows during the Transition Period. <i>Animals</i> , 2020, 10, 917.	1.0	7

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55	Age-related metabolic changes of pre-weaned Simmental calves fed whole bulk milk and ad libitum calf starter. <i>Research in Veterinary Science</i> , 2021, 135, 237-243.	0.9	7
56	Methyl donor supply to heat stress-challenged polymorphonuclear leukocytes from lactating Holstein cows enhances 1-carbon metabolism, immune response, and cytoprotective gene network abundance. <i>Journal of Dairy Science</i> , 2020, 103, 10477-10493.	1.4	7
57	Change of digesta passage rate in dairy cows after different acute stress situations. <i>Italian Journal of Animal Science</i> , 2007, 6, 377-379.	0.8	6
58	Adrenal responsiveness to a low-dose ACTH challenge in early and late lactating dairy cows. <i>Italian Journal of Animal Science</i> , 2009, 8, 661-663.	0.8	6
59	Genetic and environmental influences on in vitro digestibility of alfalfa. <i>Italian Journal of Animal Science</i> , 2007, 6, 251-253.	0.8	5
60	Estimation of dry matter intake by n-alkanes in dairy cows fed TMR: effect of dosing technique and faecal collection time. <i>Animal Production Science</i> , 2014, 54, 1747.	0.6	5
61	Breed and adaptive response modulate bovine peripheral blood cells' transcriptome. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 11.	2.1	5
62	Technical note: Capillary electrophoresis as a rapid test for the quantification of immunoglobulin G in serum of newborn lambs. <i>Journal of Dairy Science</i> , 2020, 103, 6583-6587.	1.4	5
63	Drying-off cows with low somatic cell count with or without antibiotic therapy: A pilot study addressing the effects on immunometabolism and performance in the subsequent lactation. <i>Livestock Science</i> , 2021, 254, 104740.	0.6	5
64	Gene network expression of whole blood leukocytes in dairy cows with different milk yield at dry-off. <i>PLoS ONE</i> , 2021, 16, e0260745.	1.1	5
65	Associations between Milk Fatty Acid Profile and Body Condition Score, Ultrasound Hepatic Measurements and Blood Metabolites in Holstein Cows. <i>Animals</i> , 2022, 12, 1202.	1.0	5
66	Effects of Hybrid and Maturity Stage on in Vitro Rumen Digestibility of Immature Corn Grain. <i>Italian Journal of Animal Science</i> , 2014, 13, 3149.	0.8	4
67	Can a single rumen sample really diagnose SARA in commercial farms?. <i>Animal Production Science</i> , 2014, 54, 1268.	0.6	4
68	Effect of litter size on prepartum metabolic and amino acidic profile in rabbit does. <i>Animal</i> , 2020, 14, 2109-2115.	1.3	4
69	Suitability of rumination time during the first week after calving for detecting metabolic status and lactation performance in simmental dairy cows: a cluster-analytic approach. <i>Italian Journal of Animal Science</i> , 2021, 20, 1909-1923.	0.8	4
70	Effect of stage of lactation and dietary starch content on endocrine-metabolic status, blood amino acid concentrations, milk yield, and composition in Holstein dairy cows. <i>Journal of Dairy Science</i> , 2022, 105, 1131-1149.	1.4	4
71	Variations of some blood parameters in rabbit reared under different environmental conditions. <i>Italian Journal of Animal Science</i> , 2005, 4, 535-537.	0.8	3
72	Effects of defoliation on whole plant maize characteristics as forage and energy crop. <i>Grass and Forage Science</i> , 2019, 74, 65-77.	1.2	3

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73	Genetic Regulation of Biomarkers as Stress Proxies in Dairy Cows. <i>Genes</i> , 2021, 12, 534.	1.0	3
74	Effects of supplementing <i>Saccharomyces cerevisiae</i> fermentation products to dairy cows from the day of dry-off through early lactation. <i>Journal of Dairy Science</i> , 2021, 104, 11673-11685.	1.4	3
75	Effects of an Intravenous Infusion of Emulsified Fish Oil Rich in Long-Chained Omega-3 Fatty Acids on Plasma Total Fatty Acids Profile, Metabolic Conditions, and Performances of Postpartum Dairy Cows During the Early Lactation. <i>Frontiers in Veterinary Science</i> , 2022, 9, .	0.9	3
76	<i>In vitro</i> digestibility of field pea as influenced by processing methods. <i>Italian Journal of Animal Science</i> , 2009, 8, 259-261.	0.8	2
77	1716 Effects of protected methionine supplementation during dry period of seasonally synchronized goats on blood parameters and the subsequent lactation. <i>Journal of Animal Science</i> , 2016, 94, 836-836.	0.2	2
78	Nutrition and Ageing. <i>Studies in Health Technology and Informatics</i> , 2014, 203, 112-21.	0.2	2
79	Exploring Fourier transform mid-infra-red spectrometry to predict biochemical parameters in horse's blood. <i>Italian Journal of Animal Science</i> , 2019, 18, 1223-1230.	0.8	1
80	Effects of Weaning Age on Plasma Biomarkers and Growth Performance in Simmental Calves. <i>Animals</i> , 2022, 12, 1168.	1.0	1
81	Effect of a feed additive containing yeast cell walls, clove and coriander essential oils and <i>Hibiscus sabdariffa</i> administered to mid-lactating dairy cows on productive performance, rumen fluid composition and metabolic conditions. <i>Italian Journal of Animal Science</i> , 2022, 21, 86-96.	0.8	0