

Andrea Minuti

List of Publications by Citations

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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.

77
papers

1,164
citations

20
h-index

31
g-index

81
ext. papers

1,668
ext. citations

3.1
avg, IF

4.66
L-index

#	Paper	IF	Citations
77	A heritable subset of the core rumen microbiome dictates dairy cow productivity and emissions. <i>Science Advances</i> , 2019 , 5, eaav8391	14.3	87
76	Rumination time around calving: an early signal to detect cows at greater risk of disease. <i>Journal of Dairy Science</i> , 2014 , 97, 3635-47	4	71
75	Postoperative Changes in Fecal Bacterial Communities and Fermentation Products in Obese Patients Undergoing Bilio-Intestinal Bypass. <i>Frontiers in Microbiology</i> , 2016 , 7, 200	5.7	67
74	Experimental acute rumen acidosis in sheep: consequences on clinical, rumen, and gastrointestinal permeability conditions and blood chemistry. <i>Journal of Animal Science</i> , 2014 , 92, 3966-77	0.7	56
73	Assessment of the innate immune response in the periparturient cow. <i>Research in Veterinary Science</i> , 2018 , 116, 47-54	2.5	54
72	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, 8940-51	4	48
71	Pro-Inflammatory Cytokine Profile in Dairy Cows: Consequences for New Lactation. <i>Italian Journal of Animal Science</i> , 2015 , 14, 3862	2.2	46
70	In vivo expansion of the mammary stem/ progenitor cell population by xanthosine infusion. <i>Experimental Biology and Medicine</i> , 2009 , 234, 475-82	3.7	38
69	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	2.5	38
68	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	2.7	36
67	Gut response induced by weaning in piglet features marked changes in immune and inflammatory response. <i>Functional and Integrative Genomics</i> , 2014 , 14, 657-71	3.8	36
66	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, 5712-22	4	35
65	Prepartum 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	6	32
64	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	4	31
63	Immune system, inflammation and nutrition in dairy cattle. <i>Animal Production Science</i> , 2015 , 55, 943	1.4	30
62	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, 119-26	2	28
61	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	4.5	26

60	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, 7788-803	4	24
59	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	2.9	24
58	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	4	23
57	Impact of cystic fibrosis disease on archaea and bacteria composition of gut microbiota. <i>FEMS Microbiology Ecology</i> , 2017 , 93,	4.3	20
56	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	4	19
55	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	2.6	17
54	Early post-partum hematological changes in Holstein dairy cows with retained placenta. <i>Animal Reproduction Science</i> , 2015 , 152, 17-25	2.1	15
53	In Vitro Rumen Fermentation Characteristics of Some Naturally Occurring and Synthetic Sugars. <i>Italian Journal of Animal Science</i> , 2013 , 12, e57	2.2	13
52	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	1.7	12
51	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	3.8	12
50	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	1.7	11
49	Reference intervals for hematological and biochemical parameters, acute phase proteins and markers of oxidation in Holstein dairy cows around 3 and 30days after calving. <i>Research in Veterinary Science</i> , 2017 , 114, 322-331	2.5	11
48	Inflammatory status and metabolic changes at dry-off in high-yield dairy cows. <i>Italian Journal of Animal Science</i> , 2020 , 19, 51-65	2.2	11
47	Role of nutraceuticals during the transition period of dairy cows: a review. <i>Journal of Animal Science and Biotechnology</i> , 2020 , 11, 96	6	11
46	Assessment of gastrointestinal permeability by lactulose test in sheep after repeated indomethacin treatment. <i>Journal of Animal Science</i> , 2013 , 91, 5646-53	0.7	10
45	Innate immune responses to metabolic stress can be detected in rumen fluids. <i>Research in Veterinary Science</i> , 2018 , 117, 65-73	2.5	10
44	A mycotoxin-deactivating feed additive counteracts the adverse effects of regular levels of <i>Fusarium</i> mycotoxins in dairy cows. <i>Journal of Dairy Science</i> , 2020 , 103, 11314-11331	4	10
43	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	4	9

42	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	4	8
41	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	2.2	7
40	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	4	7
39	Metabolic and biochemical changes in plasma of the periparturient rabbit does with different litter size. <i>Animal</i> , 2015 , 9, 614-21	3.1	7
38	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, 465-74	4.3	7
37	Change of digesta passage rate in dairy cows after different acute stress situations. <i>Italian Journal of Animal Science</i> , 2007 , 6, 377-379	2.2	6
36	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	4	6
35	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	4	6
34	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,	3.1	6
33	Administration of Aloe arborescens homogenate to cattle: interaction with rumen fermentation and gut absorption of aloin. <i>Italian Journal of Animal Science</i> , 2016 , 15, 233-240	2.2	5
32	Effect of Pegbovigrastim on Hematological Profile of Simmental Dairy Cows during the Transition Period. <i>Animals</i> , 2019 , 9,	3.1	5
31	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	1.4	5
30	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	1.7	5
29	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	2.5	5
28	Effects of Linoleic Acid on Gut-Derived DSM 20213: A Transcriptomic Approach. <i>Microorganisms</i> , 2019 , 7,	4.9	5
27	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	2.2	4
26	Effects of Whole Plant Homogenate on Lipid Metabolism, Inflammatory Conditions and Liver Function of Dairy Cows during the Transition Period. <i>Animals</i> , 2020 , 10,	3.1	4
25	Can a single rumen sample really diagnose SARA in commercial farms?. <i>Animal Production Science</i> , 2014 , 54, 1268	1.4	4

24	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	2.2	4
23	Effect of litter size on prepartum metabolic and amino acidic profile in rabbit does. <i>Animal</i> , 2020 , 14, 2109-2115	3.1	3
22	Breed and adaptive response modulate bovine peripheral blood cells' transcriptome. <i>Journal of Animal Science and Biotechnology</i> , 2017 , 8, 11	6	3
21	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,	3.1	3
20	Administration of an Immune Stimulant during the Transition Period Improved Lipid Metabolism and Rumination without Affecting Inflammatory Status. <i>Animals</i> , 2019 , 9,	3.1	2
19	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	4	2
18	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	2.2	2
17	In vitro digestibility of field pea as influenced by processing methods. <i>Italian Journal of Animal Science</i> , 2009 , 8, 259-261	2.2	2
16	Genetic and environmental influences on in vitro digestibility of alfalfa. <i>Italian Journal of Animal Science</i> , 2007 , 6, 251-253	2.2	2
15	Variations of some blood parameters in rabbit reared under different environmental conditions. <i>Italian Journal of Animal Science</i> , 2005 , 4, 535-537	2.2	2
14	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	0.7	2
13	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	4	2
12	Genetic Regulation of Biomarkers as Stress Proxies in Dairy Cows. <i>Genes</i> , 2021 , 12,	4.2	2
11	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	2.5	2
10	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	4.9	2
9	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	2.2	1
8	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	2.6	1
7	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	1.7	1

6	Effects of defoliation on whole-plant maize characteristics as forage and energy crop. <i>Grass and Forage Science</i> , 2019 , 74, 65-77	2.3	1
5	Nutrition and Ageing. <i>Studies in Health Technology and Informatics</i> , 2014 , 203, 112-21	0.5	1
4	Gene network expression of whole blood leukocytes in dairy cows with different milk yield at dry-off. <i>PLoS ONE</i> , 2021 , 16, e0260745	3.7	1
3	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	2.2	0
2	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	4	0
1	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	2.2	