

Bruno Stefanon

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.

103
papers

1,578
citations

22
h-index

33
g-index

107
ext. papers

1,810
ext. citations

2.6
avg. IF

4.68
L-index

#	Paper	IF	Citations
103	Determination of volatile compounds in cow's milk using headspace GC-MS. <i>Journal of Dairy Research</i> , 2002 , 69, 569-77	1.6	106
102	Mammary apoptosis and lactation persistency in dairy animals. <i>Journal of Dairy Research</i> , 2002 , 69, 37-52	1.6	99
101	Raw meat based diet influences faecal microbiome and end products of fermentation in healthy dogs. <i>BMC Veterinary Research</i> , 2017 , 13, 65	2.7	70
100	Genetic diversity of <i>Streptococcus thermophilus</i> strains isolated from Italian traditional cheeses. <i>International Dairy Journal</i> , 2002 , 12, 141-144	3.5	58
99	A rapid method for detection of fumonisins B1 and B2 in corn meal using Fourier transform near infrared (FT-NIR) spectroscopy implemented with integrating sphere. <i>Food Chemistry</i> , 2012 , 135, 1608-12	8.5	46
98	Determination of volatile compounds in San Daniele ham using headspace GC-MS. <i>Meat Science</i> , 2008 , 80, 204-9	6.4	41
97	Nitrogen balance and partitioning of some nitrogen catabolites in milk and urine of lactating cows. <i>Livestock Science</i> , 1995 , 44, 207-219		37
96	Sustainable ruminant production to help feed the planet. <i>Italian Journal of Animal Science</i> , 2017 , 16, 140-171	17.1	36
95	Microbial biodiversity of the liquid fraction of rumen content from lactating cows. <i>Animal</i> , 2014 , 8, 572-93	9.1	34
94	Transcriptome modification of white blood cells after dietary administration of curcumin and non-steroidal anti-inflammatory drug in osteoarthritic affected dogs. <i>Veterinary Immunology and Immunopathology</i> , 2012 , 147, 136-46	2	32
93	The effect of energy and protein intake on the excretion of purine derivatives. <i>Journal of Agricultural Science</i> , 1994 , 123, 257-265	1	32
92	Oxidative Stress and Nutraceuticals in the Modulation of the Immune Function: Current Knowledge in Animals of Veterinary Interest. <i>Antioxidants</i> , 2019 , 8,	7.1	31
91	Biochemical and molecular responses to antioxidant supplementation in sheep. <i>Small Ruminant Research</i> , 2006 , 64, 143-151	1.7	30
90	Aspects of lignin degradation by rumen microorganisms. <i>Journal of Biotechnology</i> , 1993 , 30, 141-148	3.7	28
89	Salivary cortisol concentration in healthy dogs is affected by size, sex, and housing context. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2015 , 10, 302-306	1.9	27
88	Rumen degradability of organic matter, nitrogen and fibre fractions in forages. <i>Animal Science</i> , 1990 , 51, 515-526		27
87	Influence of grassland management in Alpine regions and concentrate level on N excretion and milk yield of dairy cows. <i>Livestock Science</i> , 1999 , 61, 155-170		24

86	Use of milk fatty acids composition to discriminate area of origin of bulk milk. <i>Journal of Dairy Science</i> , 2010 , 93, 3417-26	4	23
85	Effects of including silage in the diet on volatile compound profiles in Montasio cheese and their modification during ripening. <i>Journal of Dairy Research</i> , 2004 , 71, 58-65	1.6	23
84	Factors affecting milk cortisol in mid lactating dairy cows. <i>BMC Veterinary Research</i> , 2015 , 11, 259	2.7	22
83	Administration of botanicals with the diet regulates gene expression in peripheral blood cells of Sarda sheep during ACTH challenge. <i>Domestic Animal Endocrinology</i> , 2012 , 43, 213-26	2.3	22
82	Immunomodulatory activity of plant residues on ovine neutrophils. <i>Veterinary Immunology and Immunopathology</i> , 2008 , 126, 54-63	2	22
81	Change in amino acid composition of different protein sources after rumen incubation. <i>Animal Science</i> , 1989 , 49, 375-383		22
80	Usefulness of nutraceuticals in controlling oxidative stress in dairy cows around parturition. <i>Veterinary Research Communications</i> , 2005 , 29 Suppl 2, 387-90	2.9	21
79	Variation of starch and fat in the diet affects metabolic status and oxidative stress in ewes. <i>Small Ruminant Research</i> , 2008 , 74, 123-129	1.7	20
78	Original Research: Hydroxytyrosol, an ingredient of olive oil, reduces triglyceride accumulation and promotes lipolysis in human primary visceral adipocytes during differentiation. <i>Experimental Biology and Medicine</i> , 2016 , 241, 1796-802	3.7	19
77	Effects of Two Different <i>Rhodiola rosea</i> Extracts on Primary Human Visceral Adipocytes. <i>Molecules</i> , 2015 , 20, 8409-28	4.8	18
76	Searching new signals for production traits through gene-based association analysis in three Italian cattle breeds. <i>Animal Genetics</i> , 2015 , 46, 361-70	2.5	17
75	Effect of plant extracts on H2O2-induced inflammatory gene expression in macrophages. <i>Journal of Inflammation Research</i> , 2014 , 7, 103-12	4.8	17
74	Administration of branched-chain amino acids to standardbred horses in training. <i>Journal of Equine Veterinary Science</i> , 2000 , 20, 115-119	1.2	17
73	Apoptotic cell death, bax and bcl-2 expression during sheep mammary gland involution. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 1999 , 28, 257-64	1.1	17
72	Digestibility and allantoin excretion in cows fed diets differing in nitrogen content. <i>Livestock Science</i> , 1994 , 39, 97-99		17
71	Interpretation of rumen degradability of concentrate feeds with a Gompertz model. <i>Animal Feed Science and Technology</i> , 1999 , 79, 223-237	3	16
70	In vitro solubility and degradability of nitrogen in concentrate ruminant feeds. <i>Animal Feed Science and Technology</i> , 1993 , 42, 1-13	3	16
69	Different anti-adipogenic effects of bio-compounds on primary visceral pre-adipocytes and adipocytes. <i>EXCLI Journal</i> , 2016 , 15, 362-77	2.4	16

68	Effect of <i>Arctium lappa</i> (burdock) extract on canine dermal fibroblasts. <i>Veterinary Immunology and Immunopathology</i> , 2013 , 156, 159-66	2	15
67	Effects of <i>Rosmarinus officinalis</i> extract on human primary omental preadipocytes and adipocytes. <i>Experimental Biology and Medicine</i> , 2015 , 240, 884-95	3.7	15
66	Modulation of ovine neutrophil function and apoptosis by standardized extracts of <i>Echinacea angustifolia</i> , <i>Butea frondosa</i> and <i>Curcuma longa</i> . <i>Veterinary Immunology and Immunopathology</i> , 2009 , 128, 366-73	2	15
65	Effect of natural antioxidants on superoxide dismutase and glutathione peroxidase mRNA expression in leukocytes from periparturient dairy cows. <i>Veterinary Research Communications</i> , 2006 , 30, 19-27	2.9	15
64	Differential expression of miRNAs in milk exosomes of cows subjected to group relocation. <i>Research in Veterinary Science</i> , 2019 , 122, 148-155	2.5	15
63	MicroRNA Milk Exosomes: From Cellular Regulator to Genomic Marker. <i>Animals</i> , 2020 , 10,	3.1	14
62	Variations of salivary cortisol in dogs exposed to different cognitive and physical activities. <i>Italian Journal of Animal Science</i> , 2018 , 17, 1030-1037	2.2	13
61	Grape polyphenols affect mRNA expression of PGHS-2, TIS11b and FOXO3 in endometrium of heifers under ACTH-induced stress. <i>Theriogenology</i> , 2007 , 68, 1022-30	2.8	13
60	Functional expression of bcl-2 protein family and AIF in bovine mammary tissue in early lactation. <i>Journal of Dairy Research</i> , 2004 , 71, 20-7	1.6	13
59	N losses, purine N derivatives excretion and intestinal digestible protein requirements of cows at maintenance. <i>Livestock Science</i> , 1993 , 36, 213-222		13
58	Substitution of a commercial diet with raw meat complemented with vegetable foods containing chickpeas or peas affects faecal microbiome in healthy dogs. <i>Italian Journal of Animal Science</i> , 2019 , 18, 1205-1214	2.2	12
57	Analysis of candidate SNPs affecting milk and functional traits in the dual-purpose Italian Simmental cattle. <i>Livestock Science</i> , 2015 , 173, 1-8	1.7	12
56	Immune system response to stress factors. <i>Italian Journal of Animal Science</i> , 2009 , 8, 287-299	2.2	12
55	Mammary cell turnover in lactating ewes is modulated by changes of energy fuels. <i>Research in Veterinary Science</i> , 2005 , 78, 53-9	2.5	12
54	Rumen fermentation characteristics and digestibility of cattle diets containing different whey:maize ratios. <i>Animal Feed Science and Technology</i> , 1995 , 53, 81-89	3	12
53	A new approach in association study of single nucleotide polymorphism of genes for carcass and meat quality traits in commercial pigs. <i>Italian Journal of Animal Science</i> , 2004 , 3, 177-189	2.2	11
52	Effect of forage and concentrate intake level on rumen degradability of protein sources having different in vitro rates of N solubilisation. <i>Animal Feed Science and Technology</i> , 1989 , 26, 231-249	3	11
51	Interplay between Neuroendocrine Biomarkers and Gut Microbiota in Dogs Supplemented with Grape Proanthocyanidins: Results of Dietary Intervention Study. <i>Animals</i> , 2020 , 10,	3.1	10

50	Growth, Carcass and Meat Quality of Casertana, Italian Large White and Duroc x (Landrace x Italian Large White) Pigs Reared Outdoors. <i>Italian Journal of Animal Science</i> , 2013 , 12, e69	2.2	10
49	Genetic aspects of enteric methane emission in ruminants livestock. <i>Italian Journal of Animal Science</i> , 2013 , 12,	2.2	10
48	Learning machine approach reveals microbial signatures of diet and sex in dog. <i>PLoS ONE</i> , 2020 , 15, e0237874	3.7	10
47	Transcriptome profiles of whole blood in Italian Holstein and Italian Simmental lactating cows diverging for genetic merit for milk protein. <i>Journal of Dairy Science</i> , 2015 , 98, 6119-27	4	9
46	Muscle transcriptome profiling in divergent phenotype swine breeds during growth using microarray and RT-PCR tools. <i>Animal Genetics</i> , 2011 , 42, 501-9	2.5	9
45	Dietary grape polyphenols modulate oxidative stress in ageing rabbits. <i>Italian Journal of Animal Science</i> , 2005 , 4, 541-543	2.2	9
44	Ability of mathematical models to predict faecal output with a pulse dose of indigestible marker. <i>British Journal of Nutrition</i> , 1996 , 75, 521-32	3.6	9
43	Performance of lactating simmental cows fed two diets differing in the content of digestible intestinal protein (PDI). <i>Livestock Science</i> , 1991 , 27, 157-175		9
42	Milk cortisol response to group relocation in lactating cows. <i>Journal of Dairy Research</i> , 2017 , 84, 36-38	1.6	8
41	Expression of NGF, BDNF and their receptors in subcutaneous adipose tissue of lactating cows. <i>Research in Veterinary Science</i> , 2015 , 102, 196-9	2.5	8
40	Nutrigenomic activity of plant derived compounds in health and disease: Results of a dietary intervention study in dog. <i>Research in Veterinary Science</i> , 2016 , 109, 142-148	2.5	8
39	Detection of apoptosis-inducing factor in involuting mammary tissue by immunoelectron microscopy. <i>Micron</i> , 2004 , 35, 307-10	2.3	8
38	Effect of NDF concentration and physical form of fescue hay on rumen degradability, intake and rumen turn-over of cows. <i>Animal Science</i> , 1991 , 53, 305-313		8
37	Gut Microbiome of Healthy and Arthritic Dogs. <i>Veterinary Sciences</i> , 2020 , 7,	2.4	8
36	Factors Affecting the Patterns of Total Amount and Proportions of Leukocytes in Bovine Milk. <i>Animals</i> , 2020 , 10,	3.1	7
35	Association of Index of Welfare and Metabolism with the Genetic Merit of Holstein and Simmental Cows After the Peak of Lactation. <i>Italian Journal of Animal Science</i> , 2015 , 14, 3841	2.2	7
34	Productive Response of Duroc x Large White and Commercial Hybrid x Large White Crosses Fed High and Low Protein Diets. <i>Italian Journal of Animal Science</i> , 2013 , 12, e82	2.2	7
33	Dietary administration of Curcumin modifies transcriptional profile of genes involved in inflammatory cascade in horse leukocytes. <i>Italian Journal of Animal Science</i> , 2009 , 8, 84-86	2.2	7

32	Using artificial neural networks to model the urinary excretion of total and purine derivative nitrogen fractions in cows. <i>Journal of Nutrition</i> , 2001 , 131, 3307-15	4.1	7
31	Effect of different starch sources in a raw meat-based diet on fecal microbiome in dogs housed in a shelter. <i>Animal Nutrition</i> , 2020 , 6, 353-361	4.8	7
30	Sfamare un mondo di nove miliardi di persone: le sfide per una zootecnia sostenibile. <i>Italian Journal of Agronomy</i> , 2011 , 6, 7	1.4	6
29	Evaluation of gene expression profiles of pig skeletal muscle in response to energy content of the diets using human microarrays. <i>Italian Journal of Animal Science</i> , 2007 , 6, 45-59	2.2	6
28	Genome-Wide DNA Methylation and Gene Expression Profiles in Cows Subjected to Different Stress Level as Assessed by Cortisol in Milk. <i>Genes</i> , 2020 , 11,	4.2	6
27	Blood Microbiome: A New Marker of Gut Microbial Population in Dogs?. <i>Veterinary Sciences</i> , 2020 , 7,	2.4	5
26	Determination of RNA and ATP in the rumen liquid of cows fed with diets differing in forage to concentrate ratio. <i>Journal of the Science of Food and Agriculture</i> , 1993 , 63, 39-45	4.3	5
25	Exosome cargo in milk as a potential marker of cow health. <i>Journal of Dairy Research</i> , 2020 , 87, 79-83	1.6	5
24	Dynamics of mammary secretory cells in lactating dairy ewes. <i>Small Ruminant Research</i> , 2013 , 113, 251-253	2.5	4
23	Biological and chemical assessment of feed proteins before and after rumen exposure. <i>Animal Feed Science and Technology</i> , 1994 , 49, 119-132	3	4
22	Characterization of Microbiome on Feces, Blood and Milk in Dairy Cows with Different Milk Leucocyte Pattern. <i>Animals</i> , 2021 , 11,	3.1	4
21	Concentration of elements in the hair of growing and adult dogs. <i>Italian Journal of Animal Science</i> , 2019 , 18, 1126-1134	2.2	3
20	Association Analysis between Single Nucleotide Polymorphisms in the Promoter Region of LEP, MYF6, MYOD1, OPN, SCD Genes and Carcass Traits in Heavy Pigs. <i>Italian Journal of Animal Science</i> , 2013 , 12, e13	2.2	3
19	Action of larch bark in the regulation of cortisol induced stress in sheep. <i>Italian Journal of Animal Science</i> , 2009 , 8, 162-164	2.2	3
18	Influence of dietary starch contents on milk composition of Friesian cows in early lactation. <i>Italian Journal of Animal Science</i> , 2005 , 4, 35-47	2.2	3
17	Investigation of rumen metagenome in Italian Simmental and Italian Holstein cows using a whole-genome shotgun sequencing technique. <i>Italian Journal of Animal Science</i> , 2018 , 17, 890-898	2.2	3
16	Mwol and Smal RFLPs polymorphisms of porcine obese gene and their association with carcass and meat characteristics of heavy pigs. <i>Italian Journal of Animal Science</i> , 2004 , 3, 211-218	2.2	2
15	The estimation of the rumen rate of passage of dietary NDF from degradability and digestibility data in cows. <i>Livestock Science</i> , 1999 , 60, 71-79		2

14	Pattern of some internal and external markers along the gastrointestinal tract of cattle. <i>Animal Feed Science and Technology</i> , 1992 , 37, 143-159	3	2
13	A technique to screen plant extracts for anti-inflammatory activity on ovine neutrophils. <i>Italian Journal of Animal Science</i> , 2007 , 6, 548-550	2.2	2
12	Genetic Regulation of Biomarkers as Stress Proxies in Dairy Cows. <i>Genes</i> , 2021 , 12,	4.2	2
11	Use of multivariate factor analysis of detailed milk fatty acid profile to perform a genome-wide association study in Italian Simmental and Italian Holstein. <i>Journal of Applied Genetics</i> , 2020 , 61, 451-463 ^{2.5}		1
10	Exome Capture with Heterologous Enrichment in Pig (<i>Sus scrofa</i>). <i>PLoS ONE</i> , 2015 , 10, e0139328	3.7	1
9	Transcriptome of pig muscle assessed by erial analysis of gene expression (SAGE). <i>Italian Journal of Animal Science</i> , 2005 , 4, 88-90	2.2	1
8	Genomic prediction for latent variables related to milk fatty acid composition in Holstein, Simmental and Brown Swiss dairy cattle breeds. <i>Journal of Animal Breeding and Genetics</i> , 2021 , 138, 389-402 ^{2.0}		1
7	Investigating the Features of PDO Green Hams during Salting: Insights for New Markers and Genomic Regions in Commercial Hybrid Pigs. <i>Animals</i> , 2021 , 11,	3.1	1
6	Proliferation and apoptosis in subcutaneous adipose tissue of lactating cows with different genetic merit for milk yield. <i>Tissue and Cell</i> , 2017 , 49, 72-77	2.7	0
5	Determination of volatile fractions in raw milk and ripened cheese by means of GC-MS. Results of a survey performed in the marginal area between Italy and Slovenia. <i>Italian Journal of Animal Science</i> , 2009 , 8, 377-390	2.2	0
4	Serial Analysis of Gene Expression (SAGE) in the Skeletal Muscle of Pig. <i>Italian Journal of Animal Science</i> , 2009 , 8, 417-429	2.2	
3	Apoptosis and expression of related proteins in mammary gland of heifers during early lactation. <i>Veterinary Research Communications</i> , 2003 , 27 Suppl 1, 225-7	2.9	
2	Activity of plant wastes on acute phase proteins in cows. <i>Italian Journal of Animal Science</i> , 2007 , 6, 472-474		
1	An application of nuclear magnetic resonance spectroscopy to study faecal canine metabolome. <i>Italian Journal of Animal Science</i> , 2021 , 20, 887-895	2.2	