

Bruno Stefanon

List of Publications by Year in descending order

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107
papers

2,073
citations

257101

24
h-index

315357

38
g-index

107
all docs

107
docs citations

107
times ranked

2474
citing authors

#	ARTICLE	IF	CITATIONS
1	Raw meat based diet influences faecal microbiome and end products of fermentation in healthy dogs. BMC Veterinary Research, 2016, 13, 65.	0.7	128
2	Determination of volatile compounds in cows' milk using headspace GC-MS. Journal of Dairy Research, 2002, 69, 569-577.	0.7	120
3	Mammary apoptosis and lactation persistency in dairy animals. Journal of Dairy Research, 2002, 69, 37-52.	0.7	111
4	Genetic diversity of Streptococcus thermophilus strains isolated from Italian traditional cheeses. International Dairy Journal, 2002, 12, 141-144.	1.5	64
5	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. Food Chemistry, 2012, 135, 1608-1612.	4.2	63
6	Determination of volatile compounds in San Daniele ham using headspace GC-MS. Meat Science, 2008, 80, 204-209.	2.7	58
7	Sustainable ruminant production to help feed the planet. Italian Journal of Animal Science, 2017, 16, 140-171.	0.8	56
8	Oxidative Stress and Nutraceuticals in the Modulation of the Immune Function: Current Knowledge in Animals of Veterinary Interest. Antioxidants, 2019, 8, 28.	2.2	48
9	Nitrogen balance and partitioning of some nitrogen catabolites in milk and urine of lactating cows. Livestock Science, 1995, 44, 207-219.	1.2	43
10	Salivary cortisol concentration in healthy dogs is affected by size, sex, and housing context. Journal of Veterinary Behavior: Clinical Applications and Research, 2015, 10, 302-306.	0.5	40
11	Transcriptome modification of white blood cells after dietary administration of curcumin and non-steroidal anti-inflammatory drug in osteoarthritic affected dogs. Veterinary Immunology and Immunopathology, 2012, 147, 136-146.	0.5	38
12	Microbial biodiversity of the liquid fraction of rumen content from lactating cows. Animal, 2014, 8, 572-579.	1.3	38
13	Aspects of lignin degradation by rumen microorganisms. Journal of Biotechnology, 1993, 30, 141-148.	1.9	37
14	Biochemical and molecular responses to antioxidant supplementation in sheep. Small Ruminant Research, 2006, 64, 143-151.	0.6	37
15	Factors affecting milk cortisol in mid lactating dairy cows. BMC Veterinary Research, 2015, 11, 259.	0.7	36
16	The effect of energy and protein intake on the excretion of purine derivatives. Journal of Agricultural Science, 1994, 123, 257-265.	0.6	35
17	Change in amino acid composition of different protein sources after rumen incubation. Animal Science, 1989, 49, 375-383.	1.3	31
18	Differential expression of miRNAs in milk exosomes of cows subjected to group relocation. Research in Veterinary Science, 2019, 122, 148-155.	0.9	31

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19	Rumen degradability of organic matter, nitrogen and fibre fractions in forages. <i>Animal Science</i> , 1990, 51, 515-526.	1.3	30
20	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.	0.7	30
21	Immunomodulatory activity of plant residues on ovine neutrophils. <i>Veterinary Immunology and Immunopathology</i> , 2008, 126, 54-63.	0.5	28
22	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, 1796-1802.	1.1	28
23	Use of milk fatty acids composition to discriminate area of origin of bulk milk. <i>Journal of Dairy Science</i> , 2010, 93, 3417-3426.	1.4	26
24	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.	1.2	25
25	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.	0.6	24
26	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, 213-226.	0.8	24
27	MicroRNA Milk Exosomes: From Cellular Regulator to Genomic Marker. <i>Animals</i> , 2020, 10, 1126.	1.0	24
28	Effects of Two Different <i>Rhodiola rosea</i> Extracts on Primary Human Visceral Adipocytes. <i>Molecules</i> , 2015, 20, 8409-8428.	1.7	23
29	Interpretation of rumen degradability of concentrate feeds with a Gompertz model. <i>Animal Feed Science and Technology</i> , 1999, 79, 223-237.	1.1	22
30	Usefulness of Nutraceuticals in Controlling Oxidative Stress in Dairy Cows Around Parturition. <i>Veterinary Research Communications</i> , 2005, 29, 387-390.	0.6	22
31	Effect of plant extracts on H2O2-induced inflammatory gene expression in macrophages. <i>Journal of Inflammation Research</i> , 2014, 7, 103.	1.6	22
32	Digestibility and allantoin excretion in cows fed diets differing in nitrogen content. <i>Livestock Science</i> , 1994, 39, 97-99.	1.2	20
33	Administration of branched-chain amino acids to standardbred horses in training. <i>Journal of Equine Veterinary Science</i> , 2000, 20, 115-119.	0.4	20
34	Searching new signals for production traits through gene-based association analysis in three Italian cattle breeds. <i>Animal Genetics</i> , 2015, 46, 361-370.	0.6	20
35	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, 257-264.	0.3	18
36	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.	0.6	18

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37	Effects of <i>Rosmarinus officinalis</i> extract on human primary omental preadipocytes and adipocytes. <i>Experimental Biology and Medicine</i> , 2015, 240, 884-895.	1.1	18
38	Learning machine approach reveals microbial signatures of diet and sex in dog. <i>PLoS ONE</i> , 2020, 15, e0237874.	1.1	18
39	Different anti-adipogenic effects of bio-compounds on primary visceral pre-adipocytes and adipocytes. <i>EXCLI Journal</i> , 2016, 15, 362-77.	0.5	18
40	In vitro solubility and degradability of nitrogen in concentrate ruminant feeds. <i>Animal Feed Science and Technology</i> , 1993, 42, 1-13.	1.1	17
41	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, 366-373.	0.5	17
42	Immune system response to stress factors. <i>Italian Journal of Animal Science</i> , 2009, 8, 287-299.	0.8	17
43	Effect of <i>Arctium lappa</i> (burdock) extract on canine dermal fibroblasts. <i>Veterinary Immunology and Immunopathology</i> , 2013, 156, 159-166.	0.5	17
44	Variations of salivary cortisol in dogs exposed to different cognitive and physical activities. <i>Italian Journal of Animal Science</i> , 2018, 17, 1030-1037.	0.8	17
45	Gut Microbiome of Healthy and Arthritic Dogs. <i>Veterinary Sciences</i> , 2020, 7, 92.	0.6	17
46	Genetic aspects of enteric methane emission in ruminants livestock. <i>Italian Journal of Animal Science</i> , 2013, 12, .	0.8	17
47	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.	0.9	16
48	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.	0.8	16
49	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.	0.8	15
50	Grape polyphenols affect mRNA expression of PGHS-2, TIS11b and FOXO3 in endometrium of heifers under ACTH-induced stress. <i>Theriogenology</i> , 2007, 68, 1022-1030.	0.9	15
51	Analysis of candidate SNPs affecting milk and functional traits in the dual-purpose Italian Simmental cattle. <i>Livestock Science</i> , 2015, 173, 1-8.	0.6	15
52	Interplay between Neuroendocrine Biomarkers and Gut Microbiota in Dogs Supplemented with Grape Proanthocyanidins: Results of Dietary Intervention Study. <i>Animals</i> , 2020, 10, 531.	1.0	15
53	N losses, purine N derivatives excretion and intestinal digestible protein requirements of cows at maintenance. <i>Livestock Science</i> , 1993, 36, 213-222.	1.2	14
54	Functional expression of bcl-2 protein family and AIF in bovine mammary tissue in early lactation. <i>Journal of Dairy Research</i> , 2004, 71, 20-27.	0.7	14

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55	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, 6119-6127.	1.4	14
56	Exosome cargo in milk as a potential marker of cow health. <i>Journal of Dairy Research</i> , 2020, 87, 79-83.	0.7	14
57	Characterization of Microbiome on Feces, Blood and Milk in Dairy Cows with Different Milk Leucocyte Pattern. <i>Animals</i> , 2021, 11, 1463.	1.0	14
58	Rumen fermentation characteristics and digestibility of cattle diets containing different whey:maize ratios. <i>Animal Feed Science and Technology</i> , 1995, 53, 81-89.	1.1	13
59	Mammary cell turnover in lactating ewes is modulated by changes of energy fuels. <i>Research in Veterinary Science</i> , 2005, 78, 53-59.	0.9	13
60	Blood Microbiome: A New Marker of Gut Microbial Population in Dogs?. <i>Veterinary Sciences</i> , 2020, 7, 198.	0.6	13
61	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.	0.8	12
62	Expression of NGF, BDNF and their receptors in subcutaneous adipose tissue of lactating cows. <i>Research in Veterinary Science</i> , 2015, 102, 196-199.	0.9	12
63	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.	1.1	11
64	Dietary grape polyphenols modulate oxidative stress in ageing rabbits. <i>Italian Journal of Animal Science</i> , 2005, 4, 541-543.	0.8	11
65	Growth, Carcass and Meat Quality of Casertana, Italian Large White and Duroc x (Landrace x Italian) Tj ETQq1 1 0.784314 rgBT /Overloc 0.8 11	0.8	11
66	Milk cortisol response to group relocation in lactating cows. <i>Journal of Dairy Research</i> , 2017, 84, 36-38.	0.7	11
67	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, 850.	1.0	11
68	Factors Affecting the Patterns of Total Amount and Proportions of Leukocytes in Bovine Milk. <i>Animals</i> , 2020, 10, 992.	1.0	11
69	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.	1.3	10
70	Sfamare un mondo di nove miliardi di persone: le sfide per una zootecnia sostenibile. <i>Italian Journal of Agronomy</i> , 2011, 6, 7.	0.4	10
71	Muscle transcriptome profiling in divergent phenotype swine breeds during growth using microarray and RT-PCR tools. <i>Animal Genetics</i> , 2011, 42, 501-509.	0.6	10
72	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.	1.2	9

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73	Ability of mathematical models to predict faecal output with a pulse dose of indigestible marker. <i>British Journal of Nutrition</i> , 1996, 75, 521-532.	1.2	9
74	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.	0.8	9
75	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.	2.1	9
76	Detection of apoptosis-inducing factor in involuting mammary tissue by immunoelectron microscopy. <i>Micron</i> , 2004, 35, 307-310.	1.1	8
77	Effect of total and differential somatic cell count on yield, composition and predicted coagulation properties from individual dairy cows. <i>International Journal of Dairy Technology</i> , 2022, 75, 298-307.	1.3	8
78	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, 3307-3315.	1.3	7
79	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.	0.8	7
80	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.	0.8	6
81	Single-Step Genome Wide Association Study Identifies QTL Signals for Untrimmed and Trimmed Thigh Weight in Italian Crossbred Pigs for Dry-Cured Ham Production. <i>Animals</i> , 2021, 11, 1612.	1.0	6
82	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.	1.7	5
83	Dynamics of mammary secretory cells in lactating dairy ewes. <i>Small Ruminant Research</i> , 2013, 113, 251-253.	0.6	5
84	Association Analysis between Single Nucleotide Polymorphisms in the Promoter Region of <i>LEP</i> , <i>MYF6</i> , <i>MYOD1</i> , <i>OPN</i> , <i>SCD</i> Genes and Carcass Traits in Heavy Pigs. <i>Italian Journal of Animal Science</i> , 2013, 12, e13.	0.8	5
85	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, 68.	1.0	5
86	Biological and chemical assessment of feed proteins before and after rumen exposure. <i>Animal Feed Science and Technology</i> , 1994, 49, 119-132.	1.1	4
87	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.	0.8	4
88	Concentration of elements in the hair of growing and adult dogs. <i>Italian Journal of Animal Science</i> , 2019, 18, 1126-1134.	0.8	4
89	A technique to screen plant extracts for anti-inflammatory activity on ovine neutrophils. <i>Italian Journal of Animal Science</i> , 2007, 6, 548-550.	0.8	4
90	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.	0.8	3

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91	Action of larch bark in the regulation of cortisol induced stress in sheep. Italian Journal of Animal Science, 2009, 8, 162-164.	0.8	3
92	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. Italian Journal of Animal Science, 2009, 8, 377-390.	0.8	3
93	Use of multivariate factor analysis of detailed milk fatty acid profile to perform a genome-wide association study in Italian Simmental and Italian Holstein. Journal of Applied Genetics, 2020, 61, 451-463.	1.0	3
94	Genetic Regulation of Biomarkers as Stress Proxies in Dairy Cows. Genes, 2021, 12, 534.	1.0	3
95	Pattern of some internal and external markers along the gastrointestinal tract of cattle. Animal Feed Science and Technology, 1992, 37, 143-159.	1.1	2
96	The estimation of the rumen rate of passage of dietary NDF from degradability and digestibility data in cows. Livestock Science, 1999, 60, 71-79.	1.2	2
97	Mwol and Smal RFLPs polymorphisms of porcine obese gene and their association with carcass and meat characteristics of heavy pigs. Italian Journal of Animal Science, 2004, 3, 211-218.	0.8	2
98	Transcriptome of pig muscle assessed by serial analysis of gene expression (SAGE). Italian Journal of Animal Science, 2005, 4, 88-90.	0.8	2
99	Exome Capture with Heterologous Enrichment in Pig (<i>Sus scrofa</i>). PLoS ONE, 2015, 10, e0139328.	1.1	1
100	Proliferation and apoptosis in subcutaneous adipose tissue of lactating cows with different genetic merit for milk yield. Tissue and Cell, 2017, 49, 72-77.	1.0	1
101	Genomic prediction for latent variables related to milk fatty acid composition in Holstein, Simmental and Brown Swiss dairy cattle breeds. Journal of Animal Breeding and Genetics, 2021, 138, 389-402.	0.8	1
102	Workplace safety management in dairy farms – from risk assessment to design of the workplace (results of a study performed in Friuli Venezia Giulia region). Contemporary Engineering Sciences, 0, 8, 1267-1277.	0.2	1
103	Apoptosis and Expression of Related Proteins in Mammary Gland of Heifers during Early Lactation. Veterinary Research Communications, 2003, 27, 225-227.	0.6	0
104	Serial Analysis of Gene Expression (SAGE) in the Skeletal Muscle of Pig. Italian Journal of Animal Science, 2009, 8, 417-429.	0.8	0
105	An application of nuclear magnetic resonance spectroscopy to study faecal canine metabolome. Italian Journal of Animal Science, 2021, 20, 887-895.	0.8	0
106	Activity of plant wastes on acute phase proteins in cows. Italian Journal of Animal Science, 2007, 6, 472-474.	0.8	0
107	Incubation of canine dermal fibroblasts with serum from dogs with atopic dermatitis activates extracellular matrix signalling and represses oxidative phosphorylation. Veterinary Research Communications, 0, , .	0.6	0