List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Animal board invited review: advances in proteomics for animal and food sciences. Animal, 2015, 9, 1-17.	3.3	143
2	"Muscle to meat―molecular events and technological transformations: The proteomics insight. Journal of Proteomics, 2012, 75, 4275-4289.	2.4	115
3	The Colostrum Proteome, Ruminant Nutrition and Immunity: A Review. Current Protein and Peptide Science, 2014, 15, 64-74.	1.4	74
4	Tick-borne diseases in cattle: Applications of proteomics to develop new generation vaccines. Journal of Proteomics, 2012, 75, 4232-4250.	2.4	71
5	Pig proteomics: A review of a species in the crossroad between biomedical and food sciences. Journal of Proteomics, 2012, 75, 4296-4314.	2.4	70
6	Mass spectrometry and animal science: Protein identification strategies and particularities of farm animal species. Journal of Proteomics, 2012, 75, 4190-4206.	2.4	68
7	Differential proteomics of dehydration and rehydration in bryophytes: evidence towards a common desiccation tolerance mechanism. Plant, Cell and Environment, 2014, 37, 1499-1515.	5.7	68
8	Differential protein expression in two bivalve species; Mytilus galloprovincialis and Corbicula fluminea; exposed to Cylindrospermopsis raciborskii cells. Aquatic Toxicology, 2011, 101, 109-116.	4.0	65
9	The mammary gland in small ruminants: major morphological and functional events underlying milk production $\hat{a} \in \hat{a}$ a review. Journal of Dairy Research, 2014, 81, 304-318.	1.4	64
10	Dairy science and health in the tropics: challenges and opportunities for the next decades. Tropical Animal Health and Production, 2019, 51, 1009-1017.	1.4	63
11	Transformation of tobacco with an Arabidopsis thaliana gene involved in trehalose biosynthesis increases tolerance to several abiotic stresses. Euphytica, 2005, 146, 165-176.	1.2	58
12	Proteomics and the search for welfare and stress biomarkers in animal production in the one-health context. Molecular BioSystems, 2016, 12, 2024-2035.	2.9	56
13	The Effect of Tannins on Mediterranean Ruminant Ingestive Behavior: The Role of the Oral Cavity. Molecules, 2011, 16, 2766-2784.	3.8	54
14	Muscle and meat: New horizons and applications for proteomics on a farm to fork perspective. Journal of Proteomics, 2013, 88, 58-82.	2.4	53
15	The Damara in the context of Southern Africa fat-tailed sheep breeds. Tropical Animal Health and Production, 2011, 43, 1427-1441.	1.4	51
16	Proteomic investigation of the effects of weight loss in the gastrocnemius muscle of wild and NZW rabbits via 2Dâ€electrophoresis and MALDIâ€TOF MS. Animal Genetics, 2010, 41, 260-272.	1.7	47
17	The effect of colostrum intake on blood plasma proteome profile in newborn lambs: low abundance proteins. BMC Veterinary Research, 2014, 10, 85.	1.9	46
18	Camelids: new players in the international animal production context. Tropical Animal Health and Production, 2020, 52, 903-913.	1.4	46

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19	The effect of supplementation on productive performance of Boer goat bucks fed winter veld hay. Tropical Animal Health and Production, 2006, 38, 443-449.	1.4	44
20	Proteomics, a new tool for farm animal science. Journal of Proteomics, 2012, 75, 4187-4189.	2.4	44
21	First identification of tanninâ€binding proteins in saliva of <i>Papio hamadryas</i> using MS/MS mass spectrometry. American Journal of Primatology, 2011, 73, 896-902.	1.7	43
22	Does the Fat Tailed Damara Ovine Breed Have a Distinct Lipid Metabolism Leading to a High Concentration of Branched Chain Fatty Acids in Tissues?. PLoS ONE, 2013, 8, e77313.	2.5	42
23	A proteomics study of colostrum and milk from the two major small ruminant dairy breeds from the Canary Islands: a bovine milk comparison perspective. Journal of Dairy Research, 2016, 83, 366-374.	1.4	42
24	Factors Influencing Livestock Productivity. , 2012, , 19-51.		41
25	The effect of chronic kidney disease on the urine proteome in the domestic cat (Felis catus). Veterinary Journal, 2015, 204, 73-81.	1.7	41
26	Trehalose and its applications in plant biotechnology. In Vitro Cellular and Developmental Biology - Plant, 2007, 43, 167-177.	2.1	38
27	Assessing carcass and meat characteristics of Damara, Dorper and Australian Merino lambs under restricted feeding. Tropical Animal Health and Production, 2013, 45, 1305-1311.	1.4	38
28	The mammary gland in domestic ruminants: A systems biology perspective. Journal of Proteomics, 2013, 94, 110-123.	2.4	38
29	Colostrum protein uptake in neonatal lambs examined by descriptive and quantitative liquid chromatography-tandem mass spectrometry. Journal of Dairy Science, 2015, 98, 135-147.	3.4	38
30	Influence of feed restriction on the wool proteome: A combined iTRAQ and fiber structural study. Journal of Proteomics, 2014, 103, 170-177.	2.4	37
31	The goat (Capra hircus) mammary gland secretory tissue proteome as influenced by weight loss: A study using label free proteomics. Journal of Proteomics, 2016, 145, 60-69.	2.4	36
32	The hepatic and skeletal muscle ovine metabolomes as affected by weight loss: a study in three sheep breeds using NMR-metabolomics. Scientific Reports, 2016, 6, 39120.	3.3	35
33	Body live weight and milk production parameters in the Majorera and Palmera goat breeds from the Canary Islands: influence of weight loss. Tropical Animal Health and Production, 2013, 45, 1731-1736.	1.4	34
34	Live weight parameters and feed intake in Dorper, Damara and Australian Merino lambs exposed to restricted feeding. Small Ruminant Research, 2013, 109, 101-106.	1.2	34
35	Establishment of the biochemical and endocrine blood profiles in the <i>Majorera</i> and <i>Palmera</i> dairy goat breeds: the effect of feed restriction. Journal of Dairy Research, 2015, 82, 416-425.	1.4	34
36	Responses to water withdrawal of tobacco plants genetically engineered with the AtTPS1 gene: a special reference to photosynthetic parameters. Euphytica, 2007, 154, 113-126.	1.2	33

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37	Scrotal, testicular and semen characteristics of young Boer bucks fed winter veld hay: The effect of nutritional supplementation. Small Ruminant Research, 2007, 73, 216-220.	1.2	32
38	A proteomics study of the induction of somatic embryogenesis in <i>Medicago truncatula</i> using 2DE and MALDI‶OF/TOF. Physiologia Plantarum, 2012, 146, 236-249.	5.2	32
39	Omics Application in Animal Science—A Special Emphasis on Stress Response and Damaging Behaviour in Pigs. Genes, 2020, 11, 920.	2.4	31
40	Understanding regeneration through proteomics. Proteomics, 2013, 13, 686-709.	2.2	29
41	Response to oxidative stress induced by cadmium and copper in tobacco plants (Nicotiana tabacum) engineered with the trehalose-6-phosphate synthase gene (AtTPS1). Acta Physiologiae Plantarum, 2014, 36, 755-765.	2.1	29
42	Characterisation of Zea mays L. plastidial transglutaminase: interactions with thylakoid membrane proteins. Plant Biology, 2010, 12, 708-716.	3.8	28
43	The Effect of Weight Loss on the Muscle Proteome in the Damara, Dorper and Australian Merino Ovine Breeds. PLoS ONE, 2016, 11, e0146367.	2.5	28
44	The sheep (Ovis aries) muscle proteome: Decoding the mechanisms of tolerance to Seasonal Weight Loss using label-free proteomics. Journal of Proteomics, 2017, 161, 57-67.	2.4	28
45	Fatty acid composition of the ovine <i>longissimus dorsi</i> muscle: effect of feed restriction in three breeds of different origin. Journal of the Science of Food and Agriculture, 2016, 96, 1777-1782.	3.5	27
46	NMR-metabolomics profiling of mammary gland secretory tissue and milk serum in two goat breeds with different levels of tolerance to seasonal weight loss. Molecular BioSystems, 2016, 12, 2094-2107.	2.9	27
47	Biomarkers of fitness and welfare in dairy cattle: healthy productivity. Journal of Dairy Research, 2020, 87, 4-13.	1.4	27
48	Proteomic analysis of the probiotic Lactobacillus reuteri CRL1098 reveals novel tolerance biomarkers to bile acid-induced stress. Food Research International, 2015, 77, 599-607.	6.2	26
49	The Rabbit as an Experimental and Production Animal: From Genomics to Proteomics. Current Protein and Peptide Science, 2014, 15, 134-145.	1.4	26
50	Urinary proteome and metabolome in dogs (Canis lupus familiaris): The effect of chronic kidney disease. Journal of Proteomics, 2020, 222, 103795.	2.4	25
51	Fatty Acid Composition of Muscle, Adipose Tissue and Liver from Muskoxen (Ovibos moschatus) Living in West Greenland. PLoS ONE, 2015, 10, e0145241.	2.5	25
52	Using Microalgae as a Sustainable Feed Resource to Enhance Quality and Nutritional Value of Pork and Poultry Meat. Foods, 2021, 10, 2933.	4.3	25
53	Animal production and genetic resources in Guinea Bissau: I – Northern Cacheu Province. Tropical Animal Health and Production, 2008, 40, 529-536.	1.4	24
54	Protein extraction and twoâ€dimensional gel electrophoresis of proteins in the marine mussel <i>Mytilus galloprovincialis</i> : an important tool for protein expression studies, food quality and safety assessment. Journal of the Science of Food and Agriculture, 2013, 93, 1779-1787.	3.5	24

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55	An overview of food safety and bacterial foodborne zoonoses in food production animals in the Caribbean region. Tropical Animal Health and Production, 2016, 48, 1095-1108.	1.4	24
56	Extensive Sheep and Goat Production: The Role of Novel Technologies towards Sustainability and Animal Welfare. Animals, 2022, 12, 885.	2.3	24
57	Differential proteomics reveals the hallmarks of seed development in common bean ( Phaseolus) Tj ETQq1 1 0.78	4314 rgBT 2.4	7/Overlock 1 23
58	The application of omics in ruminant production: a review in the tropical and sub-tropical animal production context. Journal of Proteomics, 2020, 227, 103905.	2.4	23
59	Animal production and genetic resources in Guinea Bissau: Il–Tombali province. Tropical Animal Health and Production, 2008, 40, 537-543.	1.4	22
60	The longissimus thoracis muscle proteome in Alentejana bulls as affected by growth path. Journal of Proteomics, 2017, 152, 206-215.	2.4	22
61	Purification and in vitro refolding of maize chloroplast transglutaminase over-expressed in Escherichia coli. Biotechnology Letters, 2007, 29, 1255-1262.	2.2	21
62	The Goat (Capra hircus) Mammary Gland Mitochondrial Proteome: A Study on the Effect of Weight Loss Using Blue-Native PAGE and Two-Dimensional Gel Electrophoresis. PLoS ONE, 2016, 11, e0151599.	2.5	21
63	Differential Proteomic Analysis of Lactic Acid Bacteria—Escherichia coli O157:H7 Interaction and Its Contribution to Bioprotection Strategies in Meat. Frontiers in Microbiology, 2018, 9, 1083.	3.5	20
64	Establishment of a proteomic reference map for the gastrocnemius muscle in the rabbit (Oryctolagus) Tj ETQq0 (	) 0 rgBT /C 1.9	Verlock 10 T
65	Proteomic analyses of Ehrlichia ruminantium highlight differential expression of MAP1-family proteins. Veterinary Microbiology, 2012, 156, 305-314.	1.9	19
66	Portuguese traditional sausages: different types, nutritional composition, and novel trends. Journal of Ethnic Foods, 2016, 3, 51-60.	1.9	19
67	Mineral profiling of muscle and hepatic tissues of Australian Merino, Damara and Dorper lambs: Effect of weight loss. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 823-830.	2.2	19
68	"By endurance we conquer― fat tailed sheep in the twenty-first century. Tropical Animal Health and Production, 2011, 43, 1233-1235.	1.4	18
69	Abiotic Stress Responses in Plants: Unraveling the Complexity of Genes and Networks to Survive. , 0, , .		17
70	Increased intramuscular fat induced by reduced dietary protein in finishing pigs: effects on the longissimus lumborum muscle proteome. Molecular BioSystems, 2016, 12, 2447-2457.	2.9	17
71	Ovine liver proteome: Assessing mechanisms of seasonal weight loss tolerance between Merino and Damara sheep. Journal of Proteomics, 2019, 191, 180-190.	2.4	17
72	OMICs Approaches in Diarrhetic Shellfish Toxins Research. Toxins, 2020, 12, 493.	3.4	17

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73	Effect of dietary inclusion of Spirulina on production performance, nutrient digestibility and meat quality traits in postâ€weaning piglets. Journal of Animal Physiology and Animal Nutrition, 2021, 105, 247-259.	2.2	17
74	Serum amino acid and myofibrillar protein profiles in Boer goat bucks following undernutrition. Small Ruminant Research, 2004, 55, 141-147.	1.2	16
75	Gene expression of regulatory enzymes involved in the intermediate metabolism of sheep subjected to feed restriction. Animal, 2013, 7, 439-445.	3.3	16
76	Biomarkers of fitness and welfare in dairy animals: healthy living. Journal of Dairy Research, 2019, 86, 379-387.	1.4	16
77	The effect of the Naked Neck genotype (Nana), feeding and outdoor rearing on growth and carcass characteristics of free range broilers in a hot climate. Tropical Animal Health and Production, 2010, 42, 99-107.	1.4	15
78	Mammary gland and milk fatty acid composition of two dairy goat breeds under feed-restriction. Journal of Dairy Research, 2017, 84, 264-271.	1.4	15
79	Assessing mineral status in edible tissues of domestic and game animals: a review with a special emphasis in tropical regions. Tropical Animal Health and Production, 2019, 51, 1019-1032.	1.4	15
80	A viewpoint on the use of microalgae as an alternative feedstuff in the context of pig and poultry feeding—a special emphasis on tropical regions. Tropical Animal Health and Production, 2021, 53, 396.	1.4	15
81	Characterisation of white and black merino wools: a proteomics study. Animal, 2019, 13, 659-665.	3.3	14
82	The dairy sector in the Azores Islands: possibilities and main constraints towards increased added value. Tropical Animal Health and Production, 2021, 53, 40.	1.4	14
83	Influence of Dietary Supplementation with an Amino Acid Mixture on Inflammatory Markers, Immune Status and Serum Proteome in LPS-Challenged Weaned Piglets. Animals, 2021, 11, 1143.	2.3	14
84	Free fatty acids and fatty acids of triacylglycerols profiles in muscle and plasma of fed and underfed Boer goats. Nutrition Research, 2003, 23, 1447-1452.	2.9	13
85	Immunogold localization of trehalose-6-phosphate synthase in leaf segments of wild-type and transgenic tobacco plants expressing the AtTPS1 gene from Arabidopsis thaliana. Protoplasma, 2007, 230, 41-49.	2.1	13
86	Effects of Chlorella vulgaris as a Feed Ingredient on the Quality and Nutritional Value of Weaned Piglets' Meat. Foods, 2021, 10, 1155.	4.3	13
87	Domestic animal proteomics in the 21st century: A global retrospective and viewpoint analysis. Journal of Proteomics, 2021, 241, 104220.	2.4	13
88	Influence of Chlorella vulgaris on growth, digestibility and gut morphology and microbiota of weaned piglet. Scientific Reports, 2022, 12, 6012.	3.3	13
89	Quality Traits and Nutritional Value of Pork and Poultry Meat from Animals Fed with Seaweeds. Foods, 2021, 10, 2961.	4.3	13
90	Top-Down Proteomics and Farm Animal and Aquatic Sciences. Proteomes, 2016, 4, 38.	3.5	12

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91	Characterization of circulating plasma proteins in dairy cows with cytological endometritis. Journal of Proteomics, 2019, 205, 103421.	2.4	12
92	Influence of Feeding Weaned Piglets with Laminaria digitata on the Quality and Nutritional Value of Meat. Foods, 2022, 11, 1024.	4.3	12
93	The effect of Nannochloropsis oceanica feed inclusion on rabbit muscle proteome. Journal of Proteomics, 2020, 222, 103783.	2.4	11
94	Exploitation of complement regulatory proteins by Borrelia and Francisella. Molecular BioSystems, 2015, 11, 1684-1695.	2.9	10
95	The wool proteome and fibre characteristics of three distinct genetic ovine breeds from Portugal. Journal of Proteomics, 2020, 225, 103853.	2.4	10
96	Metabolome and proteome changes in skeletal muscle and blood of pre-weaning calves fed leucine and threonine supplemented diets. Journal of Proteomics, 2020, 216, 103677.	2.4	10
97	Water buffalo production in the Brazilian Amazon Basin: a review. Tropical Animal Health and Production, 2021, 53, 343.	1.4	10
98	Identification of novel genes for bitter taste receptors in sheep (Ovis aries). Animal, 2013, 7, 547-554.	3.3	9
99	Skeletal muscle metabolomics and blood biochemistry analysis reveal metabolic changes associated with dietary amino acid supplementation in dairy calves. Scientific Reports, 2018, 8, 13850.	3.3	9
100	Physiological and proteomic response of Escherichia coli O157:H7 to a bioprotective lactic acid bacterium in a meat environment. Food Research International, 2019, 125, 108622.	6.2	9
101	The muscular, hepatic and adipose tissues proteomes in muskox (Ovibos moschatus): Differences between males and females. Journal of Proteomics, 2019, 208, 103480.	2.4	9
102	The effect of weight loss on protein profiles of gastrocnemius muscle in rabbits: a study using 1D electrophoresis and peptide mass fingerprinting. Journal of Animal Physiology and Animal Nutrition, 2010, 94, 174-185.	2.2	8
103	Barbados Blackbelly: the Caribbean ovine genetic resource. Tropical Animal Health and Production, 2018, 50, 239-250.	1.4	8
104	Amino acid profiles of muscle and liver tissues of Australian Merino, Damara and Dorper lambs under restricted feeding. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 1295-1302.	2.2	8
105	Agroecological practices to support tropical livestock farming systems: a Caribbean and Latin American perspective. Tropical Animal Health and Production, 2021, 53, 111.	1.4	8
106	Influence of dietary Spirulina inclusion and lysozyme supplementation on the longissimus lumborum muscle proteome of newly weaned piglets. Journal of Proteomics, 2021, 244, 104274.	2.4	8
107	Stress response of lettuce (Lactuca sativa) to environmental contamination with selected pharmaceuticals: A proteomic study. Journal of Proteomics, 2021, 245, 104291.	2.4	8
108	Rabbit muscle proteomics: A great leap forward. Proteomics, 2013, 13, 2225-2226.	2.2	7

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109	The effects of improving low dietary protein utilization on the proteome of lamb tissues. Journal of Proteomics, 2020, 223, 103798.	2.4	7
110	Serum amino acid and myofibrillar protein profiles of fed and underfed laboratory rats. Nutrition Research, 2002, 22, 1453-1459.	2.9	6
111	The fat-tail of Damara sheep: an assessment of mineral content as influenced by weight loss. Animal Production Science, 2016, 56, 1492.	1.3	6
112	Understanding seasonal weight loss tolerance in dairy goats: a transcriptomics approach. BMC Genomics, 2020, 21, 629.	2.8	6
113	Preliminary Analysis of the Proteome of Exhaled Breath Condensate in Bottlenose Dolphins (Tursiops) Tj ETQq1 1	0,784314 0.7	rgBT /Overl
114	Free fatty acids and fatty acids of triacylglycerols profiles in muscle and plasma of fed and underfed laboratory rats. Nutrition Research, 2003, 23, 1685-1690.	2.9	5
115	The Queen Conch (Lobatus gigas) Proteome: A Valuable Tool for Biological Studies in Marine Gastropods. Protein Journal, 2019, 38, 628-639.	1.6	5
116	Effect of dietary incorporation of Chlorella vulgaris and CAZyme supplementation on the hepatic proteome of finishing pigs. Journal of Proteomics, 2022, 256, 104504.	2.4	5
117	Digestibility of Meat Mineral and Proteins from Broilers Fed with Graded Levels of Chlorella vulgaris. Foods, 2022, 11, 1345.	4.3	5
118	The ovine hepatic mitochondrial proteome: Understanding seasonal weight loss tolerance in two distinct breeds. PLoS ONE, 2019, 14, e0212580.	2.5	4
119	The Portuguese Serrana goat breed: a review. Tropical Animal Health and Production, 2021, 53, 114.	1.4	4
120	Sequence Analysis of Bitter Taste Receptor Gene Repertoires in Different Ruminant Species. PLoS ONE, 2015, 10, e0124933.	2.5	4
121	Plasma Proteome and Clinical Biochemistry Associated with Performance-Based Physical Activity in Bottlenose Dolphins (Tursiops truncatus). Aquatic Mammals, 2017, 43, 453-464.	0.7	4
122	Total Lipids, Fatty Acid Composition, Total Cholesterol and Lipid-Soluble Antioxidant Vitamins in the longissimus lumborum Muscle of Water Buffalo (Bubalus bubalis) from Different Production Systems of the Brazilian Eastern Amazon. Animals, 2022, 12, 595.	2.3	4
123	Electroporation of maize embryogenic calli with the trehalose-6-phosphate synthase gene from Arabidopsis thaliana. Acta Physiologiae Plantarum, 2007, 29, 273-281.	2.1	3
124	Proteomics in Argentina - limitations and future perspectives: A special emphasis on meat proteomics. Proteomics, 2015, 15, 3676-3687.	2.2	3
125	Partial replacement of soybean meal with Chlorella vulgaris in broiler diets influences performance and improves breast meat quality and fatty acid composition. Poultry Science, 2022, 101, 101955.	3.4	3

Proteomics in Skeletal Muscle Research., 2018, , 195-217.

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127	Proteomics and Mammary Gland Research in Dairy Species. , 2018, , 255-280.		2
128	Improving animal production and health in the tropics—the challenge of humankind. Tropical Animal Health and Production, 2018, 50, 1177-1179.	1.4	2
129	Systems Biology Approaches to Improve Drought Stress Tolerance in Plants: State of the Art and Future Challenges. , 2016, , 433-471.		1
130	Poultry and Rabbit Meat Proteomics. , 2017, , 215-223.		1
131	Proteomics in Domestic Animals on a Farm to Systems Biology Perspective: Introductory Note. , 2018, , 1-5.		1
132	NMR Metabolomics pari passu with Proteomics: Two Relevant Tools for Animal Sciences Combined. , 2018, , 447-462.		1
133	Sample Preparation for 2DE Using Samples of Animal Origin. , 2018, , 37-53.		1
134	Across the great divide: Proteomics becoming an essential tool for animal and veterinary sciences. Journal of Proteomics, 2021, 241, 104225.	2.4	1
135	Editorial (Thematic Issue: Proteomics in Farm Animals: Quo Vadis? (PART 1)). Current Protein and Peptide Science, 2014, 15, 2-3.	1.4	1
136	LuÃs Manuel Justino Schwalbach (1966–2011). Tropical Animal Health and Production, 2012, 44, 205-206.	1.4	0
137	Identification of a Bitter-Taste Receptor Gene Repertoire in Different Lagomorphs Species. Frontiers in Genetics, 2016, 7, 55.	2.3	0
138	Rabbit research in the post-genomic era: transcriptome, proteome and metabolome analyses , 2021, , 250-270.		0
139	In vitro digestibility of four high moisture grains used in liquid pig feeding. Tropical Animal Health and Production, 2022, 54, 136.	1.4	0