

## 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.

59 papers	2,056 citations	23 h-index	44 g-index
77 ext. papers	2,851 ext. citations	3.4 avg, IF	5.4 L-index

#	Paper	IF	Citations
59	Early-life establishment of the swine gut microbiome and impact on host phenotypes. <i>Environmental Microbiology Reports</i> , <b>2015</b> , 7, 554-69	3.7	216
58	Exercise-induced stress behavior, gut-microbiota-brain axis and diet: a systematic review for athletes. <i>Journal of the International Society of Sports Nutrition</i> , <b>2016</b> , 13, 43	4.5	176
57	Phylogenetic network analysis applied to pig gut microbiota identifies an ecosystem structure linked with growth traits. <i>ISME Journal</i> , <b>2016</b> , 10, 2973-2977	11.9	167
56	Endurance exercise and gut microbiota: A review. <i>Journal of Sport and Health Science</i> , <b>2017</b> , 6, 179-197	8.2	151
55	The Crosstalk between the Gut Microbiota and Mitochondria during Exercise. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 319	4.6	145
54	Effects of crude glycerin supplementation on performance and meat quality of Holstein bulls fed high-concentrate diets. <i>Journal of Animal Science</i> , <b>2009</b> , 87, 632-8	0.7	121
53	Association between animal, transportation, slaughterhouse practices, and meat pH in beef. <i>Meat Science</i> , <b>2008</b> , 78, 232-8	6.4	103
52	Liver transcriptome profile in pigs with extreme phenotypes of intramuscular fatty acid composition. <i>BMC Genomics</i> , <b>2012</b> , 13, 547	4.5	89
51	Role of Vitamin D in the Hygiene Hypothesis: The Interplay between Vitamin D, Vitamin D Receptors, Gut Microbiota, and Immune Response. <i>Frontiers in Immunology</i> , <b>2016</b> , 7, 627	8.4	75
50	Developing a 670k genotyping array to tag ~2M SNPs across 24 horse breeds. <i>BMC Genomics</i> , <b>2017</b> , 18, 565	4.5	66
49	Increasing the amount of n-3 fatty acid in meat from young Holstein bulls through nutrition. <i>Journal of Animal Science</i> , <b>2006</b> , 84, 3039-48	0.7	62
48	Burdizzo pre-pubertal castration effects on performance, behaviour, carcass characteristics, and meat quality of Holstein bulls fed high-concentrate diets. <i>Meat Science</i> , <b>2009</b> , 81, 329-34	6.4	37
47	The Effects of Weaning Methods on Gut Microbiota Composition and Horse Physiology. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 535	4.6	34
46	Integrated mRNA and miRNA expression profiling in blood reveals candidate biomarkers associated with endurance exercise in the horse. <i>Scientific Reports</i> , <b>2016</b> , 6, 22932	4.9	34
45	Strongyle Infection and Gut Microbiota: Profiling of Resistant and Susceptible Horses Over a Grazing Season. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 272	4.6	29
44	The peripheral blood transcriptome reflects variations in immunity traits in swine: towards the identification of biomarkers. <i>BMC Genomics</i> , <b>2013</b> , 14, 894	4.5	29
43	Alteration of gene expression in mammary gland tissue of dairy cows in response to dietary unsaturated fatty acids. <i>Animal</i> , <b>2011</b> , 5, 1217-30	3.1	28

42	Integration of GWAS, pathway and network analyses reveals novel mechanistic insights into the synthesis of milk proteins in dairy cows. <i>Scientific Reports</i> , <b>2018</b> , 8, 566	4.9	27
41	Micronutrient Deficiencies and the Human Gut Microbiota. <i>Trends in Microbiology</i> , <b>2017</b> , 25, 607-610	12.4	24
40	Housing Horses in Individual Boxes Is a Challenge with Regard to Welfare. <i>Animals</i> , <b>2019</b> , 9,	3.1	24
39	Understanding the response to endurance exercise using a systems biology approach: combining blood metabolomics, transcriptomics and miRNomics in horses. <i>BMC Genomics</i> , <b>2017</b> , 18, 187	4.5	23
38	Identification of rumen microbial biomarkers linked to methane emission in Holstein dairy cows. <i>Journal of Animal Breeding and Genetics</i> , <b>2020</b> , 137, 49-59	2.9	23
37	Extensive expression differences along porcine small intestine evidenced by transcriptome sequencing. <i>PLoS ONE</i> , <b>2014</b> , 9, e88515	3.7	21
36	Endurance Exercise Ability in the Horse: A Trait with Complex Polygenic Determinism. <i>Frontiers in Genetics</i> , <b>2017</b> , 8, 89	4.5	20
35	Lactobacillus rhamnosus CNCMI-4317 Modulates Fiaf/Angptl4 in Intestinal Epithelial Cells and Circulating Level in Mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138880	3.7	19
34	Comparative proteomic profiling of 2 muscles from 5 different pure pig breeds using surface-enhanced laser desorption/ionization time-of-flight proteomics technology. <i>Journal of Animal Science</i> , <b>2010</b> , 88, 1522-34	0.7	18
33	Novel equine tissue miRNAs and breed-related miRNA expressed in serum. <i>BMC Genomics</i> , <b>2016</b> , 17, 831	4.5	18
32	Dietary effects of linseed on fatty acid composition of milk and on liver, adipose and mammary gland metabolism of periparturient dairy cows. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2013</b> , 97 Suppl 1, 89-104	2.6	17
31	SNP co-association and network analyses identify E2F3, KDM5A and BACH2 as key regulators of the bovine milk fatty acid profile. <i>Scientific Reports</i> , <b>2017</b> , 7, 17317	4.9	17
30	RNA sequencing-based analysis of the spleen transcriptome following infectious bronchitis virus infection of chickens selected for different mannose-binding lectin serum concentrations. <i>BMC Genomics</i> , <b>2016</b> , 17, 82	4.5	16
29	Pleiotropic effects of polymorphism of the gene diacylglycerol-O-transferase 1 (DGAT1) in the mammary gland tissue of dairy cows. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 4989-5000	4	16
28	Progressive habituation to separation alleviates the negative effects of weaning in the mother and foal. <i>Psychoneuroendocrinology</i> , <b>2018</b> , 97, 59-68	5	14
27	Unraveling the effects of the gut microbiota composition and function on horse endurance physiology. <i>Scientific Reports</i> , <b>2019</b> , 9, 9620	4.9	14
26	Therapeutic potential of Hibiscus sabdariffa: A review of the scientific evidence. <i>Endocrinología Y Nutrición (English Edition)</i> , <b>2014</b> , 61, 274-295		14
25	The effect of polyunsaturated fatty acids on obesity through epigenetic modifications. <i>Endocrinología Y Nutrición: Organo De La Sociedad Espanola De Endocrinología Y Nutrición</i> , <b>2015</b> , 62, 338-49		12

24	Inter-breed diversity and temporal dynamics of the faecal microbiota in healthy horses. <i>Journal of Animal Breeding and Genetics</i> , <b>2020</b> , 137, 103-120	2.9	12
23	Surface-enhanced laser desorption/ionisation time-of-flight mass spectrometry: a tool to predict pork quality. <i>Meat Science</i> , <b>2013</b> , 95, 688-93	6.4	11
22	Priming for welfare: gut microbiota is associated with equitation conditions and behavior in horse athletes. <i>Scientific Reports</i> , <b>2020</b> , 10, 8311	4.9	9
21	Analysis of raw hams using SELDI-TOF-MS to predict the final quality of dry-cured hams. <i>Meat Science</i> , <b>2013</b> , 93, 233-9	6.4	9
20	Transcriptomic Changes in Liver of Young Bulls Caused by Diets Low in Mineral and Protein Contents and Supplemented with n-3 Fatty Acids and Conjugated Linoleic Acid. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167747	3.7	8
19	The effect of polyunsaturated fatty acids on obesity through epigenetic modifications. <i>Endocrinología Y Nutrición (English Edition)</i> , <b>2015</b> , 62, 338-349		7
18	A First Step Toward Unraveling the Energy Metabolism in Endurance Horses: Comparison of Plasma Nuclear Magnetic Resonance Metabolomic Profiles Before and After Different Endurance Race Distances. <i>Frontiers in Molecular Biosciences</i> , <b>2019</b> , 6, 45	5.6	7
17	Relationship between milk fatty acid composition and the expression of lipogenic genes in the mammary gland of dairy cows. <i>Livestock Science</i> , <b>2013</b> , 151, 92-96	1.7	7
16	The miRNA-targeted transcriptome of porcine alveolar macrophages upon infection with Porcine Reproductive and Respiratory Syndrome Virus. <i>Scientific Reports</i> , <b>2019</b> , 9, 3160	4.9	6
15	Dietary unsaturated fatty acids affect the mammary gland integrity and health in lactating dairy cows. <i>BMC Proceedings</i> , <b>2011</b> , 5 Suppl 4, S35	2.3	6
14	Understanding the Holobiont: Crosstalk Between Gut Microbiota and Mitochondria During Long Exercise in Horse. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 656204	5.6	5
13	Gut microbiota resilience in horse athletes following holidays out to pasture. <i>Scientific Reports</i> , <b>2021</b> , 11, 5007	4.9	5
12	Inferring the evolution of the major histocompatibility complex of wild pigs and peccaries using hybridisation DNA capture-based sequencing. <i>Immunogenetics</i> , <b>2018</b> , 70, 401-417	3.2	4
11	Papel de los antioxidantes en la prevención del cáncer. <i>Revista Española De Nutrición Humana Y Dietética</i> , <b>2012</b> , 16, 16-24	1.2	3
10	Effects of a temporary period on pasture on the welfare state of horses housed in individual boxes. <i>Applied Animal Behaviour Science</i> , <b>2020</b> , 228, 105027	2.2	3
9	Efectos de los ácidos grasos omega 3 y otros suplementos alimenticios en procesos patológicos relacionados con la tercera edad. <i>Revista Española De Nutrición Humana Y Dietética</i> , <b>2011</b> , 15, 20-29	1.2	2
8	Efectos del té verde sobre el riesgo de cáncer de mama. <i>Revista Española De Nutrición Humana Y Dietética</i> , <b>2014</b> , 18, 25	1.2	2
7	The Airway Pathobiome in Complex Respiratory Diseases: A Perspective in Domestic Animals. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 583600	5.9	2

6	Flavonoides como agentes quimiopreventivos y terapéuticos contra el cáncer de pulmón. <i>Revista Espanola De Nutricion Humana Y Dietetica</i> , <b>2012</b> , 16, 143-153	1.2	1
5	Papel de los ácidos grasos omega 3 en la prevención del cáncer de colon. <i>Revista Espanola De Nutricion Humana Y Dietetica</i> , <b>2011</b> , 15, 47-55	1.2	1
4	Integrative biology defines novel biomarkers of resistance to strongylid infection in horses. <i>Scientific Reports</i> , <b>2021</b> , 11, 14278	4.9	0
3	Efecto del consumo de soja en relación con los síntomas de la menopausia. <i>Revista Espanola De Nutricion Humana Y Dietetica</i> , <b>2012</b> , 16, 69-76	1.2	
2	Efecto de los probióticos en el control de la obesidad en humanos: hipótesis no demostradas. <i>Revista Espanola De Nutricion Humana Y Dietetica</i> , <b>2012</b> , 16, 100-107	1.2	
1	Efecto de los ácidos grasos poliinsaturados omega-3 y omega-6 en el riesgo de cáncer de mama. <i>Revista Espanola De Nutricion Humana Y Dietetica</i> , <b>2011</b> , 15, 189-193	1.2	