

# Aser Garcia-Rodriguez

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

613  
citations

623188

14  
h-index

642321

23  
g-index

43  
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43  
docs citations

43  
times ranked

619  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Mothur and QIIME for the Analysis of Rumen Microbiota Composition Based on 16S rRNA Amplicon Sequences. <i>Frontiers in Microbiology</i> , 2018, 9, 3010.	1.5	67
2	Use of chitosans to modulate ruminal fermentation of a 50:50 forage-to-concentrate diet in sheep <sup>1</sup> . <i>Journal of Animal Science</i> , 2010, 88, 749-755.	0.2	59
3	Short communication: Signs of host genetic regulation in the microbiome composition in 2 dairy breeds: Holstein and Brown Swiss. <i>Journal of Dairy Science</i> , 2018, 101, 2285-2292.	1.4	36
4	Mitigation of greenhouse gases in dairy cattle via genetic selection: 1. Genetic parameters of direct methane using noninvasive methods and proxies of methane. <i>Journal of Dairy Science</i> , 2020, 103, 7199-7209.	1.4	35
5	Dose-response effects of chitosans on in vitro rumen digestion and fermentation of mixtures differing in forage-to-concentrate ratios. <i>Animal Feed Science and Technology</i> , 2009, 151, 215-227.	1.1	32
6	Structural equation models to disentangle the biological relationship between microbiota and complex traits: Methane production in dairy cattle as a case of study. <i>Journal of Animal Breeding and Genetics</i> , 2020, 137, 36-48.	0.8	30
7	Effect of chitosan on mixed ruminal microorganism fermentation using the rumen simulation technique (Rusitec). <i>Animal Feed Science and Technology</i> , 2009, 152, 92-102.	1.1	25
8	Effect of chitosans on in vitro rumen digestion and fermentation of maize silage. <i>Animal Feed Science and Technology</i> , 2009, 148, 276-287.	1.1	24
9	Microbial and Functional Profile of the Ceca from Laying Hens Affected by Feeding Prebiotics, Probiotics, and Synbiotics. <i>Microorganisms</i> , 2019, 7, 123.	1.6	22
10	Feeding broilers with dry whey powder and whey protein concentrate affected productive performance, ileal digestibility of nutrients and cecal microbiota community. <i>Animal</i> , 2018, 12, 692-700.	1.3	21
11	Comparison Between Non-Invasive Methane Measurement Techniques in Cattle. <i>Animals</i> , 2019, 9, 563.	1.0	21
12	A gas production technique as a tool to predict organic matter digestibility of grass and maize silage. <i>Animal Feed Science and Technology</i> , 2005, 123-124, 267-276.	1.1	16
13	Rapeseed and sunflower oilcake as supplements for dairy sheep: animal performance and milk fatty acid concentrations. <i>Journal of Dairy Research</i> , 2014, 81, 410-416.	0.7	16
14	Spent coffee ground as second-generation feedstuff for dairy cattle. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 589-599.	2.9	16
15	Ruminal biohydrogenation of unsaturated fatty acids in vitro as affected by chitosan. <i>Animal Feed Science and Technology</i> , 2010, 159, 35-40.	1.1	15
16	Effect of Feeding Cold-Pressed Sunflower Cake on Ruminal Fermentation, Lipid Metabolism and Bacterial Community in Dairy Cows. <i>Animals</i> , 2019, 9, 755.	1.0	15
17	Productive performance and cecal microbial counts of floor housed laying hens supplemented with dry whey powder alone or combined with <i>Pediococcus acidilactici</i> in the late phase of production. <i>Livestock Science</i> , 2017, 195, 9-12.	0.6	14
18	valorisation of spent coffee grounds as functional feed ingredient improves productive performance of Latxa dairy ewes. <i>Animal Feed Science and Technology</i> , 2020, 264, 114461.	1.1	14

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19	Assessing the potential use of a feed additive based on biochar on broilers feeding upon productive performance, pH of digestive organs, cecum fermentation and bacterial community. <i>Animal Feed Science and Technology</i> , 2021, 279, 115039.	1.1	14
20	Holobiont effect accounts for more methane emission variance than the additive and microbiome effects on dairy cattle. <i>Livestock Science</i> , 2021, 250, 104538.	0.6	13
21	Fungal and ciliate protozoa are the main rumen microbes associated with methane emissions in dairy cattle. <i>GigaScience</i> , 2022, 11, .	3.3	12
22	Effects of feeding UFA-rich cold-pressed oilseed cakes and sainfoin on dairy ewes' milk fatty acid profile and curd sensory properties. <i>Small Ruminant Research</i> , 2019, 175, 96-103.	0.6	10
23	A dimensional reduction approach to modulate the core ruminal microbiome associated with methane emissions via selective breeding. <i>Journal of Dairy Science</i> , 2021, 104, 8135-8151.	1.4	10
24	Effect of type and inclusion level of cold-pressed oilseed cakes on in vitro rumen fermentation. <i>Animal Production Science</i> , 2014, 54, 1709.	0.6	8
25	Characterisation of the rumen resistome in Spanish dairy cattle. <i>Animal Microbiome</i> , 2021, 3, 63.	1.5	8
26	Effect of replacing palm fat with high-linoleic cold-pressed rapeseed or sunflower cakes on fatty acid biohydrogenation in an artificial rumen (Rusitec). <i>Animal Production Science</i> , 2018, 58, 499.	0.6	6
27	Use of Cold-Pressed Sunflower Cake in the Concentrate as a Low-Input Local Strategy to Modify the Milk Fatty Acid Profile of Dairy Cows. <i>Animals</i> , 2019, 9, 803.	1.0	6
28	Spent Coffee Grounds Alter Bacterial Communities in Latxa Dairy Ewes. <i>Microorganisms</i> , 2020, 8, 1961.	1.6	6
29	Solid State Fermentation as a Tool to Stabilize and Improve Nutritive Value of Fruit and Vegetable Discards: Effect on Nutritional Composition, In Vitro Ruminal Fermentation and Organic Matter Digestibility. <i>Animals</i> , 2021, 11, 1653.	1.0	6
30	Effects of dry whey powder alone or combined with calcium butyrate on productive performance, duodenal morphometry, nutrient digestibility, and ceca bacteria counts of broiler chickens. <i>Livestock Science</i> , 2017, 206, 65-70.	0.6	5
31	Integrating heterogeneous across-country data for proxy-based random forest prediction of enteric methane in dairy cattle. <i>Journal of Dairy Science</i> , 2022, 105, 5124-5140.	1.4	5
32	Rumen eukaryotes are the main phenotypic risk factors for larger methane emissions in dairy cattle.. <i>Livestock Science</i> , 2022, 263, 105023.	0.6	5
33	Changes in broiler performance, duodenal histomorphometry, and caeca microbiota composition in response to wheat-barley based diets supplemented with non-antibiotic additives. <i>Animal Feed Science and Technology</i> , 2017, 234, 1-9.	1.1	4
34	Evaluating the Inclusion of Cold-Pressed Rapeseed Cake in the Concentrate for Dairy Cows upon Ruminal Biohydrogenation Process, Ruminal Microbial Community and Milk Production and Acceptability. <i>Animals</i> , 2021, 11, 2553.	1.0	4
35	Short communication: Production performance and plasma metabolites of dairy ewes in early lactation as affected by chitosan. <i>Spanish Journal of Agricultural Research</i> , 2015, 13, e06SC04.	0.3	4
36	The effects of rapeseed cake intake during the finishing period on the fatty-acid composition of the longissimus muscle of Limousin steers and changes in meat colour and lipid oxidation during storage. <i>Animal Production Science</i> , 2020, 60, 1103.	0.6	3

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37	Pre-Partum Supplementation with Polyunsaturated Fatty Acids on Colostrum Characteristics and Lamb Immunity and Behavior after a Mild Post-Weaning Aversive Handling Period. <i>Animals</i> , 2022, 12, 1780.	1.0	3
38	Apparent nutrient digestibility, nitrogen metabolism and microbial protein synthesis in sheep supplemented with different vegetable fats. <i>Animal Production Science</i> , 2020, 60, 790.	0.6	1
39	Effect of concentrate quantity and administration pattern on milk parameters and grazing time in a rationed dairy sheep grazing system. , 2012, , 135-138.		0
40	Relation between the distribution of time spent on pasture and protein content of the concentrate on milk yield and grazing behaviour. , 2012, , 139-142.		0
41	Effects of crude protein level in the concentrate and time allotment on pasture on milk yield, urinary nitrogen, and purine derivative excretion in lactating Latxa ewes. <i>Animal Production Science</i> , 2015, 55, 1025.	0.6	0